

City of Flint, Michigan

*Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com*



Meeting Agenda - Final

Monday, September 27, 2021

5:30 PM

ELECTRONIC PUBLIC MEETING

CITY COUNCIL

*Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2*

*Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
Monica Galloway, Ward 7*

*Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8*

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

SPECIAL PUBLIC NOTICE -- ELECTRONIC PUBLIC MEETING**PUBLIC NOTICE
FLINT CITY COUNCIL ELECTRONIC PUBLIC MEETING**

On Friday, October 5, 2020, the Michigan Supreme Court (MSC) issued an order declaring that the Emergency Powers of Governor (EPG) Act as an unconstitutional delegation of legislative authority, which was the primary authority relied on by Governor Whitmer for her COVID-19 related executive orders. Subsequently, Governor Whitmer requested that the MSC clarify that their order does not go into effect until October 30, 2020. On Monday October 12, 2020, the Michigan Supreme Court rejected Governor Whitmer's request to delay the effect of its decision to strike down the EPG. On, Tuesday, October 13, 2020, Senate Bill 1108 passed, amending the Open Meetings Act to allow municipalities to hold electronic meetings. On Friday, October 16, 2020, Governor Whitmer signed into law Senate Bill 1108 amending the Open Meetings Act. Subsequently, on December 22, 2020, Public Act 267 of 1976 was amended through Senate Bill 1246 extending the electronic meetings with no reason through March 31, 2021. The act also allows that after March 31, 2021, electronic meetings may be held if a local state of emergency was declared. On March 23, 2020, the Flint City Council extended Mayor Neeley's declaration of emergency indefinitely due to the COVID-19 pandemic. Therefore, the following meeting will be held electronically:

**Flint City Council Meeting
Monday, September 27, 2021, at 5:30 p.m.**

The public and media may listen to the meeting online by live stream at <https://www.youtube.com/c/FlintCityCouncilMeetings> or through Start Meeting Solution by dialing (617) 944-8177. If unable to call in, please dial (206) 451-6011.

1. In order to speak during the PUBLIC HEARING PERIOD of the meeting by telephone, participants will also call (617) 944-8177 (if unable to call in, please dial (206) 451-6011):

- a. All callers will be queued and muted until the Public Hearing portion of the agenda;
- b. Public speakers will be unmuted in order and asked if they wish to address the City Council on THE SUBJECT OF THE PUBLIC HEARING SPECIFICALLY;

c. Public speakers should state and spell their name for the record and will be allowed ten (10) minutes to speak during the public hearing;

d. The speaker will be returned to mute after the 10 minutes have expired.

2. In order to speak during the PUBLIC SPEAKING PERIOD of the meeting by telephone, participants will also call (617) 944-8177. All callers will be queued and muted until the Public Speaking portion of the agenda;

a. Public speakers will be unmuted in order and asked if they wish to address the City Council ON ANY SUBJECT;

b. Public speakers should state and spell their name for the record and will be allowed three (3) minutes for public speaking;

c. The speaker will be returned to mute after the 3 minutes have expired;

d. After the telephonic public speakers are completed, emailed public comments will be read by the City Clerk. All emailed public comments will be timed for 3 minutes;

e. Per Rules Governing Meetings of the Council (Rule 7.1 VII), there will only be one speaking opportunity per speaker.

Consequently, public participants who call in and speak during the public speaking period of the meeting WILL NOT have written comments as submitted read by the City Clerk.

3. The public may send public comments by email to CouncilPublicComment@cityofflint.com no later than 10 minutes prior to the meeting start time of 5:30 p.m.

4. Persons with disabilities may participate in the meeting by the above-mentioned means or by emailing a request for an accommodation to CouncilPublicComment@cityofflint.com, with the subject line Request for Accommodation, or by contacting the City Clerk at (810) 766-7418 to request accommodation - including but not limited to interpreters.

If there are any questions concerning this notice, please direct them to City Council office at (810) 766-7418.

CALL TO ORDER**ROLL CALL****MEMBER REMOTE ANNOUNCEMENT**

Pursuant to the newly revised Open Meetings Act, each Council member shall state that they are attending the meeting remotely and shall state where he or she is physically located (county or city and state).

MEMBER CONTACT INFORMATION

Eric Mays - (810) 922-4860; Maurice Davis - mdavis@cityofflint.com; Santino Guerra - sguerra@cityofflint.com; Kate Fields - kfields@cityofflint.com; Jerri Winfrey-Carter - jwinfrey-carter@cityofflint.com; Herbert Winfrey - (810) 691-7463; Monica Galloway - mgalloway@cityofflint.com; Allan Griggs - agriggs@cityofflint.com; Eva Worthing - eworthing@cityofflint.com.

PROCEDURES ON CONDUCTING ELECTRONIC MEETINGS

All boards and commissions must adhere to all laws established under the Michigan Compiled Laws and in accordance with the revisions to the Open Meetings Act adopted in Senate Bill 1246, as passed on December 17, 2020, and signed into law on December 22, 2020, and subsequent amendments that may be adopted.

READING OF DISORDERLY PERSONS CITY CODE SUBSECTION

Any person that persists in disrupting this meeting will be in violation of Flint City Code Section 31-10, Disorderly Conduct, Assault and Battery, and Disorderly Persons, and will be subject to arrest for a misdemeanor. Any person who prevents the peaceful and orderly conduct of any meeting will be given one warning. If they persist in disrupting the meeting, that individual will be subject to arrest. Violators shall be removed from meetings.

PLEDGE OF ALLEGIANCE**PRAYER OR BLESSING****REQUEST FOR CHANGES AND/OR ADDITIONS TO AGENDA**

Council shall vote to adopt any amended agenda.

PRESENTATION OF MINUTES

210461 Summary Minutes/Special Flint City Council/July 6, 2021

Summary Minutes of the Special Flint City Council ELECTRONIC PUBLIC MEETING held Tuesday, July 6, 2021, at 4 p.m.

210462 Summary Minutes/Flint City Council/July 12, 2021

Summary Minutes of the Flint City Council ELECTRONIC PUBLIC MEETING held Monday, July 12, 2021, at 7:52 p.m.

210463 Summary Minutes/Flint City Council/July 26, 2021

Summary Minutes of the Flint City Council ELECTRONIC PUBLIC MEETING held Monday, July 26, 2021, at 7:32 p.m.

210464 Summary Minutes/Special Flint City Council/July 28, 2021

Summary Minutes of the Special Flint City Council ELECTRONIC PUBLIC MEETING held Wednesday, July 28, 2021, at 4:32 p.m.

210465 Summary Minutes/Flint City Council/August 9, 2021

Summary Minutes of the Flint City Council ELECTRONIC PUBLIC MEETING held Monday, August 9, 2021, at 8:19 p.m.

210466 Summary Minutes/Flint City Council/August 23, 2021

Summary Minutes of the Flint City Council ELECTRONIC PUBLIC MEETING held Monday, August 23, 2021, at 7:02 p.m.

210467 Summary Minutes/Special Flint City Council/August 13, 2021

Summary Minutes of the Special Flint City Council ELECTRONIC PUBLIC MEETING held Friday, August 13, 2021, at 5:30 p.m.

210468 Summary Minutes/Special Flint City Council/Investigative Hearing/August 25, 2021

Summary Minutes of the Special Flint City Council Investigative Hearing ELECTRONIC PUBLIC MEETING held Wednesday, August 25, 2021, at 5 p.m.

210469 Summary Minutes/Special Flint City Council/August 25, 2021

Summary Minutes of the Special Flint City Council ELECTRONIC PUBLIC MEETING held Wednesday, August 25, 2021, at 8:21 p.m.

SPECIAL ORDERS

210478 Special Order/Jack Minore

A Special Order to honor former 7th Ward Councilman and State Representative Jack Minore, who passed away on September 21, 2021.

210479 Special Order/Presentation

A Special Order to allow 9th Ward City Councilperson Eva Worthing to make a special presentation.

210446 Special Order/Priority Waste

A Special Order as requested by Council President Fields to discuss waste collection services with representatives of Priority Waste.

PUBLIC HEARINGS

210399.6 Ordinance 210399

An ordinance to amend the Flint City Code of Ordinances by amending Chapter 18, (Taxation; Funds; Purchasing); Article IV, (Purchases), by amending Section 18-21.14, (Sale of City Personal Property).

210423.6 Ordinance 210423

An ordinance to amend Chapter 46 (Utilities), Article II (Water Supply and Sewage Disposal System), Division 1 (Generally), of the Code of the City of Flint by adding Section 46-17.2 (Water Payment Assistance Program).

210424.6 Ordinance 210424

An ordinance to amend Chapter 46 (Utilities), Article II (Water Supply and Sewage Disposal System), Division 1 (Generally), of the Code of the City of Flint by adding Section 46-17 (Disputed Water Supply and Sewage Disposal Billing; Inspection; Consumer Hearing; Adjustment of Bill).

210426.6 Ordinance 210426

An ordinance to amend the Code of the City of Flint by amending Chapter 18, (Taxation; Funds; Purchasing); Article I, (In General); Section 18-4.1, (Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons) shall be amended by adding subsection (MM). [NOTE: The PILOT is for Clark Commons IIIB, LDHA LLC. The annual service charge for the class of persons of low and moderate income shall be equal to four (4) percent of the annual shelter rents, exclusive of charges for gas, electricity, heat or other utilities.]

210427.6 Ordinance 210427

An ordinance to amend the Code of the City of Flint by amending Chapter 18, (Taxation; Funds; Purchasing); Article I, (In General); Section 18-4.1, (Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons) shall be amended by adding subsection (NN). [NOTE: The PILOT is for 700 East Court Street Village Low Income Limited Dividend Housing Association, LP. The annual service charge for the class of persons of low and moderate income shall be equal to four (4) percent of the annual shelter rents, exclusive of charges for gas, electricity, heat or other utilities.]

PUBLIC SPEAKING

Per the amended Rules Governing Meetings of the Council (as adopted by the City Council on Monday, June 12, 2017), three (3) minutes per speaker. Only one speaking opportunity per speaker.

COUNCIL RESPONSE

Per the amended Rules Governing Meetings of the Council (as adopted by the City Council on Monday, June 12, 2017), Councilpersons may respond to any public speaker, but only one response and only when all public speakers have been heard. Individual council response is limited to two minutes.

PETITIONS AND UNOFFICIAL COMMUNICATIONS

210483 Press Release/Office of Gov. Gretchen Whitmer/Michigan's New Economy

Email dated September 22, 2021, from the office of Gov. Gretchen Whitmer, re: Michigan's economy is poised for a once-in-a-generation recovery.

210484 Press Release/Office of Gov. Gretchen Whitmer/Gov. Whitmer/Legislature/Agreement on Bipartisan Budget

Email dated September 22, 2021, from the office of Gov. Gretchen Whitmer, re: Gov. Whitmer and the State Legislature have come together on a bipartisan budget agreement that does not raise taxes on Michiganders.

210485 Press Release/Office of Gov. Gretchen Whitmer/New Economy Plan

Email dated September 22, 2021, from the office of Gov. Gretchen Whitmer, re: Gov. Whitmer detailed her economic agenda, a \$2.1 billion MI New Economy Plan, at the Mackinac Policy Conference.

COMMUNICATIONS (from Mayor and other City Officials)

210481 City of Flint/Press Release/Update on Water Connections for Commercial Property Owners

Press Release dated September 22, 2021, from the City of Flint, re: The City of Flint Treasury Department will resume water shut-offs at commercial properties considered "extreme(ly) delinquent."

210482 Traffic Engineering/Closure Permits

Sidewalk, Lane and Street Closure permits (4) dated August and September 2021, for requested activities/events, with noted responsibility for the placement of the required traffic control devices, and/or personnel, for the protection of traffic and event participants.

ADDITIONAL COMMUNICATIONS

APPOINTMENTS

210157 Appointment/Water System Advisory Council/Nancy Love

Resolution resolving that Mayor Neeley hereby appoints Nancy Love (1351 Beal Avenue, Ann Arbor, MI 48109) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.]

210229 Appointment/Water System Advisory Council/Shawn P. McElmurry

Resolution resolving that Mayor Neeley hereby appoints Shawn P. McElmurry (2153 Engineering Building, 5050 Anthony Wayne Drive, Detroit, MI 48202) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.]

210454 Appointment/Water System Advisory Council/Laura Sullivan

Resolution resolving that Mayor Neeley hereby appoints Laura Sullivan (3101 Hawthorne Drive, Flint, MI 48503) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.]

210455 Appointment/Water System Advisory Council/Nayyirah Shariff

Resolution resolving that Mayor Neeley hereby appoints Nayyirah Shariff (3628 Beecher Road, Flint, MI 48503) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.]

210456 Appointment/Water System Advisory Council/Diana Phillips

Resolution resolving that Mayor Neeley hereby appoints Diana Phillips (510 Dougherty Place, Flint, MI 48504) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint

community by developing materials and advising the water system on public awareness and education efforts.]

210457 Appointment/Water System Advisory Council/Wendy Braun

Resolution resolving that Mayor Neeley hereby appoints Wendy Braun (2015 Crooked Lane, Flint, MI 48503) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.]

RESOLUTIONS

210448 Ace-Saginaw Paving Co./Asphalt Paving Materials

Resolution resolving that the appropriate city officials, upon City Council's approval, are to do all things necessary to continue the current contract with Ace-Saginaw Paving Co. for asphalt paving materials, as requested by DPW, in an amount NOT-TO-EXCEED \$560,000.00 [Major Street Fund Acct. No. 202-449.201-782.000 = \$95,000.00; Acct. No. 202-449.201-782.000 = \$358,500.00; and Acct. No. 202-449.203-782.000 = \$13,500.00; and Local Street Fund Acct. No. 203-449.203-782.000 = \$12,000.00; Acct. No. 203-449.211-782.000 = \$9,000.00; and Acct. No. 203-449.211-782.000 = \$12,000.00, and Sewer Fund Acct. No. 590-540.208-782.000 = \$30,000.00 and Water Fund Acct. No. 591-540.202-782.000 = \$30,000.00.] [NOTE: This is the second year of a two-year contract.]

210449 Contract Extension/Duke's Root Control, Inc./Root Control Services

Resolution resolving that the appropriate city officials are to do all things necessary to extend the contract with Duke's Root Control, Inc. for sewer line chemical root control services, in an amount NOT-TO-EXCEED \$350,000.00, as requested by DPW [Sewer Fund Capital Improvement Fund Acct. No. 590-540.300-801.000.] [NOTE: The company agreed to extend its bid pricing for the next two years.]

210450 Contract/Ferguson Waterworks/Water Main & Service Connection Parts

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to enter into year two of the two-year contract with Ferguson Waterworks, as requested by the Water Service Center, for water main and service connection parts, in an amount NOT-TO-EXCEED \$110,000.00 [Water Fund Supplies Acct. No. 591-540.202-752.000.]

210451 CO#1/DLZ Michigan, Inc./Additional Engineering Oversight/Northwest Pump Station Bypass Diversion

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to enter into change order #1 with DLZ Michigan, Inc. for engineering

services for the additional engineering oversight required to complete the WPC Northwest Pumping Station bypass diversion project, as requested by Water Pollution Control, in an amount NOT-TO-EXCEED \$5,100.00, and a revised contract amount NOT-TO-EXCEED \$174,853.00 [Sewer Fund Acct. No. 590-550.300-801.000.]

210452 CO#1/Contract/Z Contractors, Inc./Northwest Pump Station Bypass Diversion

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to enter into change order #1 with Z Contractors, Inc. for the additional work required to complete the Northwest Pump Station bypass diversion project, as requested by Water Pollution Control, in an amount NOT-TO-EXCEED \$135,902.99, and a revised contract amount NOT-TO-EXCEED \$3,155,091.99 [Sewer Fund Acct. No. 590-550.413-801.075.] [NOTE: This project is part of Phase 1 of the Publicly Owned Treatment Works, DPW-WPC Improvements SRF Project Plan.]

210453 Approval/Resolution of Complaint/Public Nuisance/Cheers Market

Resolution resolving that the Mayor and Flint City Council stand with the residents of Flint, in making this declaration of Cheers Market as a public nuisance, AND, resolving that the Mayor and the Flint City Council do all things necessary to promote good, honest, hardworking, legitimate and law-abiding businesses throughout the City of Flint, AND, resolving that the Mayor and Flint City Council do all things necessary to submit this resolution to the Michigan Liquor Control Commission declaring Cheers Market as a public nuisance in the City of Flint and request that a complaint be opened against Cheers Market to revoke its licensure under the Michigan Liquor Control Code.

210458 Agreement/Genesee County Health Department/Genesee Healthy Start Grant

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to enter into an agreement with the Genesee County Health Department, in an amount NOT-TO-EXCEED \$454,795.00, over the final 12-month grant period, July 1, 2021, until June 30, 2022. [NOTE: The City of Flint was awarded a grant to identify and provide health services to determined cohort children and families, and continued coordination of parent advisory groups of those impacted by the Flint Water Emergency by promoting the recovery of various health barriers.]

RESOLUTIONS (May Be Referred from Special Affairs)

210429 Contract/Rehmann Robson, LLC/City of Flint/Audit/FY2021

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to engage the services of Rehmann Robson, LLC, for FY2021 auditing services, in the amount of \$236,000.00, for a total contract price of \$711,000.00, plus out-of-pocket expenses [General Fund City Council Acct. No. 101-101.100-801.000.] [NOTE: The City Council adopted Resolution No. 200258 on June 22, 2020, to enter into a three-year contract with Rehmann Robson for a total contract amount of \$701,000.00. On November 23,

2020, the City Council adopted Resolution No. 200479 authorizing an additional \$7,500.00 to cover single audit services. The \$236,000.00 requested this year represents an increase of \$2,500.00 to conform with the Government Financial Officers Association criteria, plus out-of-pocket expenses.]

- 210476** Approval/Request for Waiver/Potential Conflict of Interest/Attorney Richard M. Wilson, Jr.

Resolution resolving that the Flint City Council approves and consents to request for waiver of potential conflict of interest for Attorney Richard M. Wilson, Jr. [NOTE: Attorney Richard M. Wilson, Jr. has represented the Flint City Council in the review of water litigation, and he represents Consumers Energy in condemnation cases. Rule 1.7 of the Michigan Rules of Professional Conduct state that an attorney may not represent a client if that representation will be "directly adverse to another client" unless the client consents after consultation and the representation will not "adversely affect the relationship with the other client."]

- 210477** Settlement/Joshua Klier v City of Flint, et al/Genesee County Circuit Court Case No. 20-114721

Resolution resolving that the Flint City Council approves and consents to the city settling Joshua Klier v City of Flint, et al, Genesee County Circuit Court Case No. 20-114721, for an amount NOT-TO-EXCEED \$75,000.00, with payment drawn from appropriated funds in the Litigation and Suits Line Item No. 677-266.200-956.300. [NOTE: An Executive Session was requested on this matter on September 27, 2021.]

LIQUOR LICENSES

INTRODUCTION AND FIRST READING OF ORDINANCES

- 210332** Amendment/Ordinance/Chapter 9 (Animals and Fowl)/Article I (In General)/Section 9.1 (Cruelty to Animals Prohibited)/Addition of Sections 9-1.1 through 9-1.6

Ordinance to amend the Code of the City of Flint by amending Chapter 9 (Animals & Fowl), Article 1 (In General) by amending 9-1 (Cruelty to Animals Prohibited) by adding Sections 9-1.1 through 9-1.6.

INTRODUCTION AND FIRST READING OF ORDINANCES (May Be Referred from Special Affairs)

- 210397** Amendment/Ordinance/Chapter 18 (Taxation; Funds; Purchasing)/Article I (In General)/Section 18-4.1 (Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons)

The provisions of Chapter 18, (Taxation; Funds; Purchasing); Article I, (In General); Section 18-4.1, (Service Charge in Lieu of Taxes for Housing Facilities for Certain

Persons) shall be amended by adding subsection (CC). [NOTE: The PILOT is for the Grand Flint Limited Dividend Housing Association, LP, a Michigan Limited Partnership (The Grand on University). The annual service charge for the class of persons of low and moderate income shall be equal to four (4) percent of the annual shelter rents, exclusive of charges for gas, electricity, heat or other utilities furnished to the occupants.]

SECOND READING AND ENACTMENT OF ORDINANCES

210399 Ordinance/Chapter 18 (Taxation; Funds; Purchasing)/Article IV (Purchases)/Amending Section 18-21.14 (Sale of City Personal Property)

An ordinance to amend the Flint City Code of Ordinances by amending Chapter 18, (Taxation; Funds; Purchasing); Article IV, (Purchases), by amending Section 18-21.14, (Sale of City Personal Property).

210423 Amendment/Ordinance/Chapter 46 (Utilities)/Article II (Water Supply and Sewage Disposal System)/Division 1 (Generally)/Adding Section 46-17.2 (Water Payment Assistance Program)

An ordinance to amend Chapter 46 (Utilities), Article II (Water Supply and Sewage Disposal System), Division 1 (Generally), of the Code of the City of Flint by adding Section 46-17.2 (Water Payment Assistance Program).

210424 Amendment/Ordinance/Chapter 46 (Utilities)/Article II (Water Supply and Sewage Disposal System)/Division 1 (Generally)/Adding Section 46-17 (Disputed Water Supply and Sewage Disposal Billing; Inspection; Consumer Hearing; Adjustment of Bill)

An ordinance to amend Chapter 46 (Utilities), Article II (Water Supply and Sewage Disposal System), Division 1 (Generally), of the Code of the City of Flint by adding Section 46-17 (Disputed Water Supply and Sewage Disposal Billing; Inspection; Consumer Hearing; Adjustment of Bill).

210426 Amendment/Ordinance/Chapter 18 (Taxation; Funds; Purchasing)/Article I (In General)/Section 18-4.1 (Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons)

An ordinance to amend the Code of the City of Flint by amending Chapter 18, (Taxation; Funds; Purchasing); Article I, (In General); Section 18-4.1, (Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons) shall be amended by adding subsection (MM). [NOTE: The PILOT is for Clark Commons IIIB, LDHA LLC. The annual service charge for the class of persons of low and moderate income shall be equal to four (4) percent of the annual shelter rents, exclusive of charges for gas, electricity, heat or other utilities.]

210427 Amendment/Ordinance/Chapter 18 (Taxation; Funds; Purchasing)/Article I (In General)/Section 18-4.1 (Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons)

An ordinance to amend the Code of the City of Flint by amending Chapter 18,

(Taxation; Funds; Purchasing); Article I, (In General); Section 18-4.1, (Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons) shall be amended by adding subsection (NN). [NOTE: The PILOT is for 700 East Court Street Village Low Income Limited Dividend Housing Association, LP. The annual service charge for the class of persons of low and moderate income shall be equal to four (4) percent of the annual shelter rents, exclusive of charges for gas, electricity, heat or other utilities.]

ADDITIONAL DISCUSSION ITEMS

FINAL COUNCIL COMMENTS

ADJOURNMENT

210461

City of Flint, Michigan

*Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com*



Meeting Minutes - Draft

Tuesday, July 6, 2021

4:00 PM

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ELECTRONIC PUBLIC MEETING

SPECIAL CITY COUNCIL

*Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2*

*Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
Monica Galloway, Ward 7*

*Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8*

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

CALL TO ORDER

Council President Kate Fields called this meeting to order at 4 p.m.

ROLL CALL

Present: Councilperson Mays, Vice President Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, President Galloway, Councilperson Griggs and Councilperson Worthing

PLEDGE OF ALLEGIANCE

Councilperson Eva Worthing led the Pledge of Allegiance.

REQUEST FOR CHANGES AND/OR ADDITIONS TO AGENDA

Councilperson Mays asked to have a discussion of waste collection services before the vote on Resolution No. 210309. The motion passed 5-4 (No: Guerra, Fields, Griggs, Worthing).

PURPOSE OF MEETING

This Special City Council Meeting was called by Mayor Sheldon A. Neeley for the purpose of [considering] a resolution to approve Waste Collection Services.

MOTION TO RECESS

Councilperson Mays, with support from Councilperson Davis, made a motion to recess the meeting until 5 p.m. Wednesday, July 7, 2021. The vote was 4-5 (No: Guerra, Fields, Winfrey, Griggs, Worthing).

RESOLUTIONS

210309 CO#3/Contract/Republic Services/Waste Collection Services

Resolution resolving that the appropriate city officials are authorized to do all things necessary to enter into Change Order #3 to the contract with Republic Services to provide additional waste collection services, from July 1, 2021, to September 30, 2021, in an amount NOT-TO-EXCEED \$1,430,006.99, and an aggregate total of \$21,019,325.89 [Rubbish Collection Fund Acct. No. 226-528.201-801.000.]

A motion was made by Councilperson Worthing, seconded by Councilperson Guerra, that this matter be Adopted. The motion carried by the following vote:

Aye: 5 - Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

No: 4 - Councilperson Mays, Vice President Davis, Councilperson Winfrey-Carter and President Galloway

ADJOURNMENT

Council President Kate Fields adjourned the meeting at 6:26 p.m. after a motion by Councilperson Griggs and support from Councilperson Winfrey-Carter. The vote was

6-0 (Absent: Davis, Galloway, Worthing).

Respectfully transcribed & submitted,

Janell Johnson, City Council Administrative Secretary

City of Flint, Michigan

Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com



Meeting Minutes - Draft

Monday, July 12, 2021

7:52 PM

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ELECTRONIC PUBLIC MEETING

CITY COUNCIL

Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2

Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
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Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

CALL TO ORDER

Council President Kate Fields called this meeting to order at 7:52 p.m.

ROLL CALL

Present: Councilperson: Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Galloway and Councilperson Griggs

Absent: Councilperson: Winfrey and Councilperson Worthing

PLEDGE OF ALLEGIANCE

Councilperson Monica Galloway led the Pledge of Allegiance.

ROLL CALL

Councilperson Worthing arrived about 8:03 p.m. (in the middle of Agenda Changes).

Present: Councilperson: Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

Absent: Councilperson: Winfrey

REQUEST FOR CHANGES AND/OR ADDITIONS TO AGENDA

Councilperson Fields made a motion to postpone Special Orders. The motion passed 7-0. Councilperson Mays asked to have a Discussion Item about the Investigative Hearing/Garbage Contract before Final Council Comments. The vote was 6-2 (No: Fields, Worthing). Councilperson Mays made a motion to discuss Special Order No. 210171 (to schedule a Special Meeting to discuss the American Rescue Plan Act funds). The motion failed 4-4. Councilperson Galloway asked to have an update on a water main break in the College Cultural Area after Changes and/or Additions to Agenda. The vote was 8-0.

SPECIAL ORDERS

The following Special Orders -- 210172, 210171, 210167 and 210070 -- were postponed to the next City Council agenda (7-28-21) after a motion by Councilperson Fields during Agenda Changes. The vote was 7-0.

Special Order/Discussion/Finance Committee Vice Chair

A Special Order as requested by Councilperson Worthing to discuss the Finance Committee Vice Chair.

Special Order/Special Meeting/\$99 Million/COVID-19 Relief Funds

A Special Order as requested by Councilperson Mays to discuss having a special meeting to talk about the \$99 million in COVID-19 relief funds.

Special Order/Special Orders

A Special Order as requested by Council President Fields to discuss Special Orders.

Special Order/Hatch Act

A Special Order as requested by Council President Fields to discuss the Hatch Act of 1939, which prohibits some forms of political activity.

PUBLIC HEARINGS

The administration asked to have Public Hearing No. 210268.6 dropped. Councilperson Worthing, with support from Councilperson Winfrey-Carter, made the motion to drop. The vote was 8-0.

Public Hearing/Rezoning Request/448 South Saginaw Street/From D-4 Metropolitan Business District to D-5 Metropolitan Commercial Services District

A Public Hearing on the rezoning request for 448 South Saginaw Street. [NOTE: Shaltz Acquisitions, LLC requests a rezoning from D-4 Metropolitan Business District to D-5 Metropolitan Commercial Services District at 448 South Saginaw Street to use the property for a Provisioning Center. Provisioning Centers, a Group E Special Regulated Use, require properties to be located in D-5, D-6, E, F or G zoning districts.]

PETITIONS AND UNOFFICIAL COMMUNICATIONS

Financial Report/Karegnondi Water Authority (KWA)

Communication received June 17, 2021, re: The Karegnondi Water Authority (KWA) May 2021 Financial Report.

This Matter was Placed on File on the Consent Agenda.

Annual Financial Statements/Auditor's Report/Bishop International Airport Authority (BIAA)/Year Ended December 31, 2020

Communication dated June 23, 2021, from Dionne Griffin, Deputy Airport director, BIAA, to Flint City Clerk, re: Enclosed please find the Financial Statements for Bishop International Airport Authority for the calendar year ended December 31, 2020, and the associated report from independent auditors Plante Moran P.C.

This Matter was Placed on File on the Consent Agenda.

Notice of Public Hearing/Michigan Public Service Commission (MPSC)

Notice of Public Hearing received June 28, 2021, re: Michigan Public Service Commission (MPSC) notice of hearing for the gas customers of Consumers Energy Co., Case No. U-21080, to be held July 7, 2021, at 9:30 a.m., by Video/Teleconferencing.

This Matter was Placed on File on the Consent Agenda.

Notice of Public Hearing/Michigan Public Service Commission (MPSC)

Notice of Public Hearing received July 9, 2021, re: Michigan Public Service Commission (MPSC) notice of hearing for the gas customers of Consumers Energy Co., Case No. U-20865, to be held July 20, 2021, at 9:30 a.m., by Video/Teleconferencing.

This Matter was Placed on File on the Consent Agenda.

Proof of Service and Petition/Michigan Tax Tribunal/Sweco Flint, LLC v City of Flint/MTT Docket No. 21-001191

Communication received July 8, 2021, re: Proof of Service and Petition filed with the Michigan Tax Tribunal by Sweco Flint, LLC regarding Parcel No. 41-04-352-031.

This Matter was Placed on File on the Consent Agenda.

COMMUNICATIONS (from Mayor and Other City Officials)

Memo/Flint Neighborhoods United/Traffic Taming Taskforce/Speeding in Flint Neighborhoods

Memo received July 1, 2021, from Flint Neighborhoods United, re: The Traffic Taming Taskforce has placed radar signs to track the speed of vehicles in nine neighborhoods throughout the city. For more information, call Kate Cole, Traffic Taming Taskforce, at (810) 515-3470.

This Matter was Placed on File on the Consent Agenda.

Traffic Engineering/Closure Permits

Sidewalk, Lane and Street Closure permits (3) dated June and July 2021, for requested activities/events, with noted responsibility for the placement of the required traffic control devices, and/or personnel, for the protection of traffic and event participants.

This Matter was Placed on File on the Consent Agenda.

APPOINTMENTS

Appointment/Downtown Development Authority (DDA) Board/Casey Lester

Resolution resolving that the Flint City Council approves the appointment of Casey Lester (1950 Colchester Road, Flint, MI 48503) to serve a four-year term on the Downtown Development Authority (DDA) Board, commencing June 30, 2021, and expiring June 30, 2025. [By way of background, Mr. Lester is replacing Glenn Kelly, whose term expired in August 2016, although he continued to serve, until recently resigning.]

A motion was made by Councilperson Worthing, seconded by Councilperson Griggs, that this matter be Approved. The motion carried by the following vote:

Aye: 8 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

Absent: 1 - Councilperson Winfrey

RESOLUTIONS

Two-Year Contract/Complete Towing/Towing and Storage Services

Resolution resolving that the appropriate city officials are authorized to do all things necessary to enter into a contract with Complete Towing to provide towing and storage services, in an amount NOT-TO-EXCEED \$185,845.00 for FY2021 and \$242,400.00 for FY2022, pending budget adoption, [for an aggregate total of \$428,245.00], as requested by Police [General Fund Professional Services Acct. No. 101-305.206-801.000.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

Contract/SpyGlass/Technology Expense Management Consulting

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with SpyGlass to provide technology expense management consulting services for FY2022, in an amount NOT-TO-EXCEED \$846,105.24, as requested by Information Systems Information Systems Communications Acct. No. 636-228.100-850.000.] [NOTE: SpyGlass will perform an audit of the city's primary telecommunications service accounts to seek cost recovery, service elimination and cost reduction recommendations. The initial audit revealed potential annual savings of \$846,105.24.]

SEPARATED FROM MASTER RESOLUTION

Recognition of Revenue/Justice Assistance Grants (JAG)

Resolution resolving that the Flint City Council is authorized to recognize the interest earned from the 2017 Justice Assistance Grants (JAG), in the amount of \$89.64, AND, resolving that the aforementioned \$89.64 be recognized, and appropriation in like amount be made to the appropriate JAG accounts.

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

Settlement/Sewage Backup Events/Damage Claims

Resolution resolving that the Flint City Council approves and consents to the city settling damage claims [from 11 individuals, totaling \$64,600,] with payment to be drawn from appropriated funds in the Litigation and Suits Acct. No. 677-266.200-956.300.

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

RESOLUTIONS (MAY BE REFERRED FROM SPECIAL AFFAIRS)

Settlement/Frank Dotson v City of Flint

Resolution resolving that the City Administrator is hereby authorized to pay the settlement offer in the matter of Frank Dotson v City of Flint, in the amount of \$255.50, in satisfaction of any and all claims arising out of said matter, with payment drawn from appropriated funds in the Litigation and Suits Line Item No. 677-266.200-956.300. [NOTE: An Executive Session was held on this matter on June 23, 2021.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

Budget Amendment/Transfer of Funds/General Fund/Police

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to recognize revenue in the amount of \$510,920.00 in General Fund Acct. No. 101-315.100-671.300, and to appropriate budget in the amount of \$304,050.00 to the Police Department Professional Services Acct. No. 101-315.100-801.000, with the difference of \$202,870.00 going to the General Fund's Fund Balance. [NOTE: \$510,092.00 was collected over many years as a Statutory fee that was to be paid to the State of Michigan, which later determined that the money was not owed to them. \$304,050.00 will be used to cover helicopter and pilot service for three months to help assist officers on the ground.]

SEPARATED FROM MASTER RESOLUTION

Passed The Consent Agenda

A motion was made by Councilperson Worthing, seconded by Councilperson Griggs, including all the preceding items marked as having been adopted on a Consent Agenda. The motion carried by the following vote:

Aye: 8 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

Absent: 1 - Councilperson Winfrey

SEPARATED FROM MASTER RESOLUTION

Contract/SpyGlass/Technology Expense Management Consulting

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with SpyGlass to provide technology expense management consulting services for FY2022, in an

amount NOT-TO-EXCEED \$846,105.24, as requested by Information Systems Information Systems Communications Acct. No. 636-228.100-850.000.] [NOTE: SpyGlass will perform an audit of the city's primary telecommunications service accounts to seek cost recovery, service elimination and cost reduction recommendations. The initial audit revealed potential annual savings of \$846,105.24.]

A motion was made by Councilperson Galloway, seconded by Councilperson Davis, that this matter be REFERRED TO COMMITTEE to the FINANCE COMMITTEE, due back on July 21, 2021. The motion carried by the following vote:

Aye: 6 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter and Councilperson Galloway

No: 2 - Councilperson Griggs and Councilperson Worthing

Absent: 1 - Councilperson Winfrey

Budget Amendment/Transfer of Funds/General Fund/Police

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to recognize revenue in the amount of \$510,920.00 in General Fund Acct. No. 101-315.100-671.300, and to appropriate budget in the amount of \$304,050.00 to the Police Department Professional Services Acct. No. 101-315.100-801.000, with the difference of \$202,870.00 going to the General Fund's Fund Balance. [NOTE: \$510,092.00 was collected over many years as a Statutory fee that was to be paid to the State of Michigan, which later determined that the money was not owed to them. \$304,050.00 will be used to cover helicopter and pilot service for three months to help assist officers on the ground.]

A motion was made by Councilperson Galloway, seconded by Councilperson Winfrey-Carter, that this matter be REFERRED TO COMMITTEE to the FINANCE COMMITTEE, due back on July 21, 2021. The motion carried by the following vote:

Aye: 7 - Councilperson Mays, Councilperson Davis, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

No: 1 - Councilperson Guerra

Absent: 1 - Councilperson Winfrey

ADJOURNMENT

Vice President Maurice Davis adjourned this meeting at 12:05 a.m. after a motion by Councilperson Galloway and support from Councilperson Griggs. The vote was 6-0 (Absent: Fields, Winfrey, Worthing).

Respectfully transcribed & submitted,

Janell Johnson, Administrative Secretary to City Council

City of Flint, Michigan

*Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com*



Meeting Minutes - Draft

Monday, July 26, 2021

7:32 PM

*

ELECTRONIC PUBLIC MEETING

CITY COUNCIL

*Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2*

*Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
Monica Galloway, Ward 7*

*Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8*

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

CALL TO ORDER

Council President Kate Fields called this meeting to order at 7:32 p.m.

ROLL CALL

Present: Councilperson: Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Winfrey, Councilperson Griggs and Councilperson Worthing

Absent: Councilperson: Councilperson Winfrey-Carter and Councilperson Galloway

PLEDGE OF ALLEGIANCE

Councilperson Herbert J. Winfrey led the Pledge of Allegiance.

REQUEST FOR CHANGES AND/OR ADDITIONS TO AGENDA

Councilperson Fields asked to postpone Special Orders to the next City Council meeting. The vote was 4-3 (No: Mays, Davis, Winfrey). (Absent: Winfrey-Carter, Galloway). Councilperson Fields made a motion to move the First Reading of Ordinances before Appointments. The motion passed 5-2 (No: Mays, Davis). Councilperson Mays asked to have a Council discussion prior to Adjournment. The vote was 7-0. Councilperson Fields made a motion to combine Final Council Comments and Additional Council Discussion. The motion passed 5-2 (No: Mays, Davis).

SPECIAL ORDERS

210172 Special Order/Discussion/Finance Committee Vice Chair

A Special Order as requested by Councilperson Worthing to discuss the Finance Committee Vice Chair.

Discussed

210171 Special Order/Special Meeting/\$99 Million/COVID-19 Relief Funds

A Special Order as requested by Councilperson Mays to discuss having a special meeting to talk about the \$99 million in COVID-19 relief funds.

Discussed

210167 Special Order/Special Orders

A Special Order as requested by Council President Fields to discuss Special Orders.

Discussed

210070 Special Order/Hatch Act

A Special Order as requested by Council President Fields to discuss the Hatch Act of 1939, which prohibits some forms of political activity.

Discussed**PUBLIC HEARINGS****210331.6** Public Hearing/Switching to Even-Numbered Year Elections

A Public Hearing on Flint City Charter, Section 9-102, Election for Mayor and City Council Members, Subsection F, concerning a resolution required to switch to even-numbered year elections, as authorized by MCL 168.642 and 168.642a. [NOTE: After December 31, 2021, the city's regular election will take place at the even-year General Election and its primary election at the even-year Primary Election.]

HEARING HELD**PETITIONS AND UNOFFICIAL COMMUNICATIONS****210337** Proof of Service and Petition/Michigan Tax Tribunal/Court Center Inv, LLC v City of Flint/MOHR Docket No. 21-001466

Communication received July 13, 2021, re: Proof of Service and Petition filed with the Michigan Tax Tribunal by Court Center Inv, LLC regarding Parcel No. 41-16-228-096.

This Matter was Placed on File on the Consent Agenda.

210338 Proof of Service and Petition/Michigan Tax Tribunal/Fifth Third Bank, National Association v City of Flint/MOHR Docket No. 21-002120

Communication received July 13, 2021, re: Proof of Service and Petition filed with the Michigan Tax Tribunal by Fifth Third Bank, National Association regarding Parcel No. 41-15-276-014.

This Matter was Placed on File on the Consent Agenda.

210339 Notification of Meeting/Karegnondi Water Authority (KWA)

Notification of Meeting received July 10, 2021, re: The next meeting of the Karegnondi Water Authority (KWA) Board is scheduled for 10 a.m. August 16, 2021.

This Matter was Placed on File on the Consent Agenda.

210340 2021 Tax Rate Request/Michigan Department of Treasury/Flint Public Library

Form L-4029 dated June 4, 2021, re: Millage Request Report to the County Board of Commissioners for a Flint Public Library property tax levy.

This Matter was Placed on File on the Consent Agenda.

210341 2021 Tax Rate Request/Michigan Department of Treasury/Flint Community Schools

Form L-4029 dated June 1, 2021, re: Millage Request Report to the County Board of Commissioners for a Flint Community Schools property tax levy.

This Matter was Placed on File on the Consent Agenda.

210342 Notice of Public Hearing/Michigan Public Service Commission (MPSC)

Notice of Public Hearing received July 15, 2021, re: Michigan Public Service Commission (MPSC) notice of hearing for the electric customers of Consumers Energy Co., Case No. U-21090, to be held July 22, 2021, at 10 a.m., by Video/Teleconferencing.

This Matter was Placed on File on the Consent Agenda.

COMMUNICATIONS (from Mayor and Other City Officials)

210343 Traffic Engineering/Closure Permits

Sidewalk, Lane and Street Closure permits (10) dated July 2021, for requested activities/events, with noted responsibility for the placement of the required traffic control devices, and/or personnel, for the protection of traffic and event participants.

This Matter was Placed on File on the Consent Agenda.

INTRODUCTION AND FIRST READING OF ORDINANCES (MAY BE REFERRED FROM SPECIAL AFFAIRS)

210214.1 Amendment/Ordinance/Chapter 28 (Motor Vehicles & Traffic)/Article II (Operation of Vehicles)/Addition of Sections 28-65 (a) - (d), Section 28-65.1 and Section 28-65.2 (Drag Racing)

An amendment to the ordinance to amend Chapter 28 (Motor Vehicles and Traffic), Article II (Operation of Vehicles) of the Code of the City of Flint by adding Sections 28-65 (a) - (d), Section 28-65.1 and Section 28-65.2 (Drag Racing). [NOTE: Ordinance amended to correct typographical and technical errors.]

A motion was made by Councilperson Worthing, seconded by Councilperson Guerra, that this matter be ACKNOWLEDGED FOR FIRST READING. The motion carried by the following vote:

Aye: 5 - Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

No: 1 - Councilperson Davis

Abstain: 1 - Councilperson Mays

Absent: 2 - Councilperson Winfrey-Carter and Councilperson Galloway

- 210231** Amendment/Ordinance/Chapter 24 (Housing)/Article I (International Property Maintenance Code)/Addition of Section 24-5 (Landlords Removal and Disposal Process Regarding Evictions)

An ordinance to amend the Code of the City of Flint by amending Chapter 24 (Housing), Article I (International Property Maintenance Code), with the addition of Section 24-5 (Landlords Removal and Disposal Process Regarding Evictions).

A motion was made by Councilperson Winfrey, seconded by Councilperson Worthing, that this matter be ACKNOWLEDGED FOR FIRST READING. The motion carried by the following vote:

Aye: 5 - Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

No: 2 - Councilperson Mays and Councilperson Davis

Absent: 2 - Councilperson Winfrey-Carter and Councilperson Galloway

- 210332** Amendment/Ordinance/Chapter 9 (Animals and Fowl)/Article I (In General)/Section 9.1 (Cruelty to Animals Prohibited)/Addition of Sections 9-1.1 through 9-1.6

Ordinance to amend the Code of the City of Flint by amending Chapter 9 (Animals & Fowl), Article 1 (In General) by amending 9-1 (Cruelty to Animals Prohibited) by adding Sections 9-1.1 through 9-1.6.

A motion was made by Councilperson Griggs, seconded by Councilperson Winfrey, that this matter be ACKNOWLEDGED FOR FIRST READING. The motion carried by the following vote:

Aye: 5 - Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

No: 1 - Councilperson Davis

Abstain: 1 - Councilperson Mays

Absent: 2 - Councilperson Winfrey-Carter and Councilperson Galloway

- 210333** Amendment/Ordinance/Chapter 28 (Motor Vehicles & Traffic)/Addition of Section 28-95 (Loitering In or About a Motor Vehicle)

An ordinance to amend Chapter 28 (Motor Vehicles and Traffic), by the addition of Section 28-95 (Loitering In or About a Motor Vehicle).

A motion was made by Councilperson Worthing, seconded by Councilperson Griggs, that this matter be ACKNOWLEDGED FOR FIRST READING. The motion carried by the following vote:

Aye: 5 - Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

No: 1 - Councilperson Davis

Abstain: 1 - Councilperson Mays

Absent: 2 - Councilperson Winfrey-Carter and Councilperson Galloway

APPOINTMENTS

210335 Reappointment/Zoning Board of Appeals/Matthew Telliga (Ward 8)

Resolution resolving that Matthew Telliga (3330 Westwood Parkway, Flint, MI 48503 -- Ward 8) is reappointed to the Zoning Board of Appeals for a three-year term, beginning immediately and ending March 31, 2023. [By way of background, Mr. Telliga's term on the Zoning Board of Appeals expired March 31, 2020, however, he continued to serve.]

A motion was made by Councilperson Griggs, seconded by Councilperson Winfrey, that this matter be Approved. The motion carried by the following vote:

Aye: 7 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

Absent: 2 - Councilperson Winfrey-Carter and Councilperson Galloway

RESOLUTIONS

210290 Contract/SpyGlass/Technology Expense Management Consulting

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with SpyGlass to provide technology expense management consulting services for FY2022, in an amount NOT-TO-EXCEED \$846,105.24, as requested by Information Systems Information Systems Communications Acct. No. 636-228.100-850.000.] [NOTE: SpyGlass will perform an audit of the city's primary telecommunications service accounts to seek cost recovery, service elimination and cost reduction recommendations. The initial audit revealed potential annual savings of \$846,105.24.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210324 Approval/Deficit Elimination Plan/Downtown Development Authority (DDA)/Self-Insurance Fund

Resolution resolving that the City Council approves the Deficit Elimination Plan as outlined. The City of Flint's Chief Financial Officer is authorized to do all things necessary to submit the Deficit Elimination Plan to the Michigan Department of Treasury for certification. [NOTE: The Downtown Development Authority has a deficit balance of \$138,003.00 as of June 30, 2020. The DDA has taken all steps to reduce the costs associated with the component unit. Any costs not covered by the DDA will be covered by the city's General Fund. And the Self-Insurance Fund incurred numerous expenses related to insurance and legal costs, putting it in the red by \$922,563.00, as of June 30, 2020.

Allocations in the Self-Insurance Fund will be reviewed and increased to offset the costs and remove the fund deficit. Reimbursements will be made from the city's funds relative to their expenses in the Self-Insurance Fund.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210326 Budget Amendment/Transfer of Funds/General Fund/Police

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to recognize revenue in the amount of \$510,920.00 in General Fund Acct. No. 101-315.100-671.300, and to appropriate budget in the amount of \$304,050.00 to the Police Department Professional Services Acct. No. 101-315.100-801.000, with the difference of \$202,870.00 going to the General Fund's Fund Balance. [NOTE: \$510,092.00 was collected over many years as a Statutory fee that was to be paid to the State of Michigan, which later determined that the money was not owed to them. \$304,050.00 will be used to cover helicopter and pilot service for three months to help assist officers on the ground.]

SEPARATED FROM MASTER RESOLUTION

210327 Two-Year Contract/Pomp's Tire Service/Tires, Tire Repairs & Miscellaneous Tire Services

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with Pomp's Tire Service for tires, tire repairs and miscellaneous tire services, as requested by Fleet, in an amount NOT-TO-EXCEED \$100,000.00 per year for FY2022 and FY2023, pending adoption of the FY2023 budget, for a total of \$200,000.00 [Central Garage Inventories Fund Acct. No. 661-000.000-110.400.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210328 Three-Year Contract/Universal Lift Parts, Inc./Brake Parts, Bulbs, Breakers, Sprays and Filters

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with Universal Lift Parts, Inc. for miscellaneous brake parts, in an amount NOT-TO-EXCEED \$100,000.00 per year for FY2022, FY2023, and FY2024, pending adoption of the FY2023 and FY2024 budgets, for a total of \$300,000.00, as requested by Fleet [Fleet/Central Garage Fund Acct. No. 661-000.000-110.400].

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210329 Contract/Metron-Farnier, LLC/Commercial Water Meters

Resolution resolving that the appropriate city officials, upon City Council's approval,

are authorized to do all things necessary to enter into a contract with Metron-Farnier, LLC for commercial water meters, as requested by the Water Service Center, in an amount NOT-TO-EXCEED \$140,000.00 [Sewer Fund Acct. No. 590-540.207-752.000 = \$70,000.00 and Water Fund Acct. No. 591-540.200-752.000 = \$70,000.00].

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210330

Notice of Intent/Declaring Intent to Reimburse

Resolution resolving that 1. The City Clerk is hereby authorized and directed to publish a notice of intent to issue the Bonds in The Flint Journal, a newspaper of general circulation in the City.

2. The notice of intent shall be published as a display advertisement not less than one-quarter (1/4) page in size in substantially the form attached to this resolution as Exhibit A.

3. The City Council does hereby determine that the foregoing form of Notice of Intent to Issue Bonds, and the manner of publication directed, is adequate notice to the electors of the City and users of the System, and is the method best calculated to give them notice of the City's intent to issue the Bonds, the purpose of the Bonds, the security for the Bonds, and the right of referendum of the electors with respect thereto, and the newspaper named for publication is hereby determined to reach the largest number of persons to whom the notice is directed.

4. The City makes the following declarations for the purpose of complying with the reimbursement rules of Treas. Reg. § 1.150-2 pursuant to the Internal Revenue Code of 1986, as amended:

(a) As of the date hereof, the City reasonably expects to reimburse the City for the expenditures described in (b) below with proceeds of debt to be incurred by the City.

(b) The expenditures described in this paragraph (b) are for the costs of acquiring and constructing the Project, which were or will be paid subsequent to sixty (60) days prior to the date hereof.

(c) The maximum principal amount of debt expected to be issued for the Project, including issuance costs, is \$46,000,000.

5. The Mayor, City Clerk, Finance Director and City Treasurer of the City are each authorized to act as an authorized officer or designated representative in connection with the Project and execute and deliver such applications, documents or certificates with EGLE, the MFA or other entities as may be necessary or advisable to enable the City to issue and sell the Bonds as contemplated herein and to meet its obligations under the CWRF loan program.

6. The City hereby confirms the retention of PFM Financial Advisors LLC ("PFM") to provide financial advisory services in connection with the Bonds. The City has been advised that PFM has represented the MFA in the past and may be representing the MFA presently in connection with various matters, including the CWRF loan program, and the City consents to the representation of the MFA by PFM in connection with the CWRF loan program that may be utilized by the City in connection with the Bonds.

7. All resolutions and parts of resolutions insofar as they conflict with the Provisions of this resolution be and the same hereby are rescinded.

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210331 Resolution Switching to Even-Numbered Year Elections

Resolution resolving that the Flint City Council adopts this resolution switching to even-numbered year elections, AND, resolving that the City Clerk will file this resolution with the Secretary of State forthwith, AND, resolving that after December 31, 2021, the city's regular election will take place at the even-year General Election and its primary election at the even-year Primary Election. [The newly revised Flint City Charter, which became effective on January 1, 2018, states "The City Council shall adopt, in 2021, a resolution required to switch to even-numbered year elections as authorized by MCL 168-642 and 168.642a." A Public Hearing on the matter will be held at 5:30 p.m. Monday, July 26, 2021.]

SEPARATED FROM MASTER RESOLUTION

Passed The Consent Agenda

A motion was made by Councilperson Worthing, seconded by Councilperson Griggs, including all the preceding items marked as having been adopted on a Consent Agenda. The motion carried by the following vote:

Aye: 7 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

Absent: 2 - Councilperson Winfrey-Carter and Councilperson Galloway

SEPARATED FROM MASTER RESOLUTION

210326 Budget Amendment/Transfer of Funds/General Fund/Police

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to recognize revenue in the amount of \$510,920.00 in General Fund Acct. No. 101-315.100-671.300, and to appropriate budget in the amount of \$304,050.00 to the Police Department Professional Services Acct. No. 101-315.100-801.000, with the difference of \$202,870.00 going to the General Fund's Fund Balance. [NOTE: \$510,092.00 was collected over many years as a Statutory fee that was to be paid to the State of Michigan, which later determined that the money was not owed to them. \$304,050.00 will be used to cover helicopter and pilot service for three months to help assist officers on the ground.]

A motion was made by Councilperson Guerra, seconded by Councilperson Winfrey, that this matter be Adopted. The motion carried by the following vote:

Aye: 7 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

Absent: 2 - Councilperson Winfrey-Carter and Councilperson Galloway

210331 Resolution Switching to Even-Numbered Year Elections

Resolution resolving that the Flint City Council adopts this resolution switching to even-numbered year elections, AND, resolving that the City Clerk will file this resolution with the Secretary of State forthwith, AND, resolving that after December 31, 2021, the city's regular election will take place at the even-year General Election and its primary election at the even-year Primary Election. [The newly revised Flint City Charter, which became effective on January 1, 2018, states "The City Council shall adopt, in 2021, a resolution required to switch to even-numbered year elections as authorized by MCL 168-642 and 168.642a." A Public Hearing on the matter will be held at 5:30 p.m. Monday, July 26, 2021.]

A motion was made by Councilperson Griggs, seconded by Councilperson Worthing, that this matter be Adopted. The motion carried by the following vote:

Aye: 6 - Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

No: 1 - Councilperson Mays

Absent: 2 - Councilperson Winfrey-Carter and Councilperson Galloway

ADJOURNMENT

This meeting adjourned at 11:48 p.m. due to lack of a quorum. (Absent: Guerra, Fields, Winfrey-Carter, Galloway, Worthing).

Respectfully transcribed & submitted,

Janell Johnson. Administrative Secretary to City Council

210464

City of Flint, Michigan

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www.cityofflint.com*



Meeting Minutes - Draft

Wednesday, July 28, 2021

4:32 PM

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ELECTRONIC PUBLIC MEETING

SPECIAL CITY COUNCIL

*Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2*

*Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
Monica Galloway, Ward 7*

*Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8*

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

CALL TO ORDER

Council President Kate Fields called this meeting to order at 4:32 p.m.

ROLL CALL

Present: Councilperson Mays, Vice President Davis, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, President Galloway, Councilperson Griggs and Councilperson Worthing

Absent: Councilperson Guerra

PLEDGE OF ALLEGIANCE

Councilperson Maurice Davis led the Pledge of Allegiance.

PURPOSE OF MEETING

This Special City Council meeting was called by Mayor Sheldon A. Neeley to 1. Discuss the Gun Violence Declaration, and 2. To Schedule Town Hall Meetings for Community Input on Spending the American Rescue Plan Act (ARPA).

REQUEST FOR CHANGES AND/OR ADDITIONS TO AGENDA

Councilperson Mays asked that City Council discuss supplemental materials provided by the Administration before the vote on the Emergency Declaration, Resolution No. 210348. The vote was 8-0 (Absent: Guerra).

SPECIAL ORDERS

210344 Special Order/Gun Violence Declaration/Schedule of Town Hall Meetings

A Special Order as requested by Mayor Sheldon A. Neeley for *Discussion of the Gun Violence Declaration, and *Schedule of Town Hall meetings for community input on spending American Rescue Plan Act (ARPA).

Discussed

ROLL CALL

Councilperson Guerra arrived at 6:30 p.m. and Councilperson Winfrey-Carter left at 7:45 p.m.

Present: Councilperson Mays, Vice President Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, President Galloway, Councilperson Griggs and Councilperson Worthing

Absent: Councilperson Winfrey-Carter

MOTION TO RECESS

Councilperson Mays, with support from Councilperson Davis, made a motion to recess the meeting until Friday, July 30, 2021, after the vote on Resolution No. 210348. The vote was 4-4 (No: Guerra, Fields, Griggs, Worthing).

RESOLUTIONS

210348 Emergency Declaration Continuance/Gun Violence

Resolution resolving that the Flint City Council approves the continuation of a local State of Emergency as it relates to gun violence, in accordance with the Michigan Emergency Management Act 390 of 1976, to continue indefinitely after July 30, 2021.

A motion was made by Councilperson Worthing, seconded by Councilperson Guerra, that this matter be Adopted. The motion carried by the following vote:

Aye: 6 - Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, President Galloway, Councilperson Griggs and Councilperson Worthing

No: 1 - Vice President Davis

Abstain: 1 - Councilperson Mays

Absent: 1 - Councilperson Winfrey-Carter

ADJOURNMENT

Council President Kate Fields adjourned the meeting at 10:48 p.m. after a motion by Councilperson Guerra and support from Councilperson Griggs. The vote was 7-0 (Absent: Mays, Winfrey-Carter).

Respectfully transcribed & submitted,

Janell Johnson, City Council Administrative Secretary

City of Flint, Michigan

*Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com*



Meeting Minutes - Draft

Monday, August 9, 2021

8:19 PM

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ELECTRONIC PUBLIC MEETING

CITY COUNCIL

*Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2*

*Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
Monica Galloway, Ward 7*

*Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8*

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

CALL TO ORDER

Council President Kate Fields called this meeting to order at 8:19 p.m.

ROLL CALL

Present: Councilperson: Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

PLEDGE OF ALLEGIANCE

Councilperson Eva Worthing led the Pledge of Allegiance.

REQUESTS FOR CHANGES OR ADDITIONS TO AGENDA

Councilperson Fields asked if she could turn the floor over to Vice-President Davis prior to Public Speaking so she (Fields) can make a motion. The vote was 5-4 (No: Mays, Davis, Winfrey-Carter, Galloway). Councilperson Fields asked to have two ordinances (to repeal deputy director positions) added to the agenda. The motion passed 9-0.

PRESENTATION OF MINUTES

210388 Summary Minutes/Flint City Council/June 14, 2021

Summary Minutes of the Flint City Council ELECTRONIC PUBLIC MEETING held Monday, June 14, 2021, at 8:41 p.m.

The motion was to approve both 210388 and 210389 with any corrections.

A motion was made by Councilperson Mays, seconded by Councilperson Galloway, that this matter be Placed on File. The motion carried by the following vote:

Aye: 9 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

210389 Summary Minutes/Special Flint City Council/June 17, 2021

Summary Minutes of the Special Flint City Council ELECTRONIC PUBLIC MEETING held Monday, June 17, 2021, at 7:31 p.m.

A motion was made by Councilperson Mays, seconded by Councilperson Galloway, that this matter be Placed on File. The motion carried by the following vote:

Aye: 9 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

PUBLIC HEARINGS

210214.6 Public Hearing/Ordinance 210214.1

A Public Hearing for Ordinance 210214.1, an ordinance to amend Chapter 28 (Motor Vehicles and Traffic), Article II (Operation of Vehicles) by adding Sections 28-65 (a) - (d), Section 28-65.1 and Section 28-65.2 (Drag Racing)

HEARING HELD

210333.6 Public Hearing/Ordinance 210333

A Public Hearing to amend the Code of the City of Flint by amending Chapter 28 (Motor Vehicles and Traffic), by the addition of Section 28-95 (Loitering In or About a Motor Vehicle).

HEARING HELD

CANCELLATION OF PUBLIC HEARINGS

The following two public hearings were cancelled (and the ordinances were postponed back to committee) by 9-0 votes of the Council.

210231.6 Public Hearing/Ordinance 210231

A Public Hearing to amend the Code of the City of Flint by amending Chapter 24 (Housing), Article I (International Property Maintenance Code), with the addition of Section 24-5 (Landlords Removal and Disposal Process Regarding Evictions).

210332.6 Public Hearing/Ordinance 210332

A Public Hearing for Ordinance 210332, an ordinance to amend the Code of the City of Flint by amending Chapter 9 (Animals & Fowl), Article 1 (In General) by amending 9-1 (Cruelty to Animals Prohibited) by adding Sections 9-1.1 through 9-1.6.

DISCLOSURE MOTION

Vice-President Davis took over the meeting so President Fields could make the following motion (with support from Councilperson Worthing): She asked for a signed statement from each Council member as to 1. if he/she has been in communication with any of the waste collection bidders, and 2. if he/she has been offered and/or accepted money from any of the waste collection bidders. The vote was 2-6 (No: Mays, Davis, Guerra, Winfrey-Carter, Winfrey, Galloway). Absent: Worthing).

MOTION TO RECESS

Councilperson Guerra, with support from Councilperson Griggs, made a motion to recess the rest of the agenda until the Special City Council meeting tomorrow, August 10, 2021. The vote was 7-0 (Absent: Fields, Worthing).

PETITIONS AND UNOFFICIAL COMMUNICATIONS

All Communications were postponed to the Special Meeting scheduled for Tuesday, August 10, 2021.

- 210381** 2021 Tax Rate Request/Michigan Department of Treasury/Mass Transportation Authority
- Form L-4029 dated July 12, 2021, re: Millage Request Report to the County Board of Commissioners for a Mass Transportation Authority 2021 property tax levy.
- 210382** Communication/AT&T Michigan/Annual Video Report
- Communication dated July 14, 2021, from Michigan Bell Telephone Company, dba AT&T Michigan to City Clerk, re: AT&T's Fourteenth Annual Video Report to the Michigan Public Service Commission (MPSC) and franchising entities in the State of Michigan regarding its deployment progress.
- 210383** Proof of Service and Petition/Michigan Tax Tribunal/Flintstone Investment Group v City of Flint/MOHR Docket No. 21-000659
- Communication received June 21, 2021, re: Proof of Service and Petition filed with the Michigan Tax Tribunal by Flintstone Investment Group.
- 210384** Communication/The Disability Network/Americans with Disability Act/31st Anniversary
- Communication dated July 22, 2021, from The Disability Network, re: Celebration of the Americans with Disabilities Act from 11 a.m. to 2 p.m. Friday, July 23, at Powers High School.
- 210385** Proof of Service and Petition/Michigan Tax Tribunal/Axis Properties II LLC v City of Flint/MOHR Docket No. 21-002461
- Communication received July 23, 2021, re: Proof of Service and Petition filed with the Michigan Tax Tribunal by Axis Properties II LLC regarding Parcel No. 41-30-101-025.
- 210386** Financial Report/Karegnondi Water Authority (KWA)
- Communication dated July 26, 2021, re: The Karegnondi Water Authority (KWA) June 2021 Financial Report.

COMMUNICATIONS (from Mayor and other City Officials)

- 210387** Traffic Engineering/Closure Permits
- Sidewalk, Lane and Street Closure permits (6) dated July and August 2021, for requested activities/events, with noted responsibility for the placement of the required traffic control devices, and/or personnel, for the protection of traffic and event participants.

APPOINTMENTS (May be Referred from Special Affairs)

210313 Appointment/Hurley Board of Hospital Managers/Mildred Silva Zuccaro

Resolution approving that the Flint City Council approves the appointment of Mildred Silva Zuccaro (no address listed) to the Hurley Board of Hospital Managers to serve the remainder of a five-year term commencing immediately, and expiring April 30, 2022, as requested by Mayor Sheldon Neeley. [NOTE: Ms. Zuccaro is replacing the Rev. Daniel S. Scheid, who recently resigned from the board.]

POSTPONED

RESOLUTIONS

210233.1 Approval/City of Flint Brownfield Redevelopment Project Authority/Brownfield Plan for the James P. Cole Project (1809 James P. Cole Boulevard)

Resolution resolving that the [Brownfield Plan for the James P. Cole Project (1809 James P. Cole Boulevard)] as submitted is hereby approved and adopted, and a copy of the plan and all amendments thereto shall be maintained on file in the City Clerk's office. [NOTE: Once approved, the Brownfield plan will allow the reimbursement of eligible project expenses from the additional tax revenue realized as a result of the redevelopment. The reimbursement can occur over the life of the plan, which is normally 30 years. The eligible reimbursable expenses are estimated at around \$2,541,508.00.]

POSTPONED

210349 Contract/Office Depot/Office Supplies/Various Departments

Resolution resolving that the appropriate city officials are authorized to extend the contract with Office Depot to provide office supplies for F2022, in an amount NOT-TO-EXCEED \$112,850.00, under the same terms and conditions, as requested by various departments, AND, resolving that the Finance Department has the discretion to spend an additional amount of no more than five (5) percent of the annual requested spend amount to Office Depot for unanticipated requests that may be submitted during FY2022 [General Fund, Major Street Fund, Local Street Fund, Police Fund, Fire Fund, Information Technology Fund, Sewer Fund, Water Fund, Rubbish Collection Fund and Fleet/Central Garage Fund.]

POSTPONED

210350 Rescission/Contract/J&M Tree Service/Right-of-Way Mowing Services

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to rescind Resolution No. 210303, and do all things necessary to enter into a contract with J&M Tree Service for right-of-way mowing services, as requested by DPW, in an amount NOT-TO-EXCEED \$100,000.00 per year for FY2022, FY2023 and FY2024, pending adoption of each year's budget, for a total

of \$300,000.00 [Local Streets Professional Services Fund Acct. No. 203-449.201-801.000 and Major Streets Professional Services Acct. No. 202-449.201-801.000.] [NOTE: Resolution 210303 awarded the right-of-way mowing contract to Perfect Lawns. J&M Tree Service had the lower bid, but was incorrectly disqualified due to a misplaced equipment list.]

POSTPONED**210351** Contract/J&M Tree Service/Urban Forestry Services

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with J&M Tree Service for urban forestry services, as requested by Transportation, in an amount NOT-TO-EXCEED \$95,000.00 per year for FY2022, FY2023 and FY2024, pending adoption of each year's budget, for a total of \$285,000.00 [Local Streets Professional Services Fund Acct. No. 203-449.215-801.000 and Major Streets Professional Services Acct. No. 202-449.215-801.000.] [NOTE: Urban Forestry Services include removal of dead trees and regular tree trimming in rights-of-way.]

POSTPONED**210352** Contract/Great Lakes Tree Experts/Urban Forestry Services

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with Great Lakes Tree Experts for urban forestry services, as requested by Transportation, in an amount NOT-TO-EXCEED \$95,000.00 per year for FY2022, FY2023 and FY2024, pending adoption of each year's budget, for a total of \$285,000.00 [Local Streets Professional Services Fund Acct. No. 203-449.215-801.000 and Major Streets Professional Services Acct. No. 202-449.215-801.000.] [NOTE: Urban Forestry Services include removal of dead trees and regular tree trimming in rights-of-way.]

POSTPONED**210353** Contract/JB's Tree & Yard Services/Urban Forestry Services

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with JB's Tree & Yard Services for urban forestry services, as requested by Transportation, in an amount NOT-TO-EXCEED \$85,000.00 per year for FY2022, FY2023 and FY2024, pending adoption of each year's budget, for a total of \$255,000.00 [Local Streets Professional Services Fund Acct. No. 203-449.215-801.000 and Major Streets Professional Services Acct. No. 202-449.215-801.000.] [NOTE: Urban Forestry Services include removal of dead trees and regular tree trimming in rights-of-way___0.]

POSTPONED**210354** Contract/Owen Tree Service/Urban Forestry Services

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with Owen Tree Service for urban forestry services, as requested by Transportation, in an amount NOT-TO-EXCEED \$85,000.00 per year for FY2022, FY2023 and FY2024, pending adoption of each year's budget, for a total of \$255,000.00 [Local Streets Professional Services Fund Acct. No. 203-449.215-801.000 and Major Streets Professional Services Acct. No. 202-449.215-801.000.] [NOTE: Urban Forestry Services include removal of dead trees and regular tree trimming in rights-of-way.]

POSTPONED

- 210355** CO#1/Contract/The Garland Co./DBS, Inc./Roof Replacement/Brennan Community Center/Hasselbring Senior Center

Resolution resolving that the appropriate city officials, upon City Council's approval, are to do all things necessary to extend the contract with The Garland Co./DBS, Inc., for roof replacement at Brennan Community Center and Hasselbring Senior Center, in an amount NOT-TO-EXCEED \$3,077.10, for a contract total of \$180,082.10, as requested by DPW [Public Improvement Fund Acct. No. 402-753.200-976.000.]

POSTPONED

- 210356** Contract/Weinstein Electric/Electrical Services

Resolution resolving that the proper city officials, upon City Council's approval, are hereby authorized to enter into a contract with Weinstein Electric for electrical services, in an amount NOT-TO-EXCEED \$40,000.00 per year for FY2022 and FY2023, pending adoption of each year's budget, for a contract total of \$80,000.00 [General Fund Professional Services Acct. No. 101-753.200-801.000.]

POSTPONED

- 210357** Contract/Aldridge Trucking/Aggregates

Resolution authorizing the proper city officials, upon City Council's approval, to extend the contract with Aldridge Trucking for aggregates, as requested by DPW, in an amount NOT-TO-EXCEED \$111,000.00 [Major Street Fund Supplies Acct. No. 202-449.201-752.000 = \$24,500.00; Local Street Fund Supplies Acct. No. 203-449.201-752.000 = \$8,500.00; Sewer Fund R&M Supplies Acct. No. 590-550.202-775.000 = \$10,000.00; Sewer Fund Supplies Acct. No. 590-540.208-752.000 = \$26,000.00; Water Fund Supplies Acct. No. 591-540.202-752.000 = \$39,000.00; and Water Fund Supplies Acct. No. 591-545.201-752.000 = \$3,000.00.]

POSTPONED

- 210358** Contract Extension/Modern Concrete/Ready-Mix Concrete

Resolution resolving that the appropriate city officials, upon City Council's

approval, are authorized to do all things necessary to extend the contract with Modern Concrete to provide ready-mix concrete, in an amount NOT-TO-EXCEED \$182,300.00, [which includes a five-percent increase over FY2020,] as requested by Transportation [Major Street Fund Supplies Acct. No. 202-449.200-752.000 = \$2,700.00; Local Street Fund Supplies Acct. No. 202-449.200-752.000 = \$15,000.00; Major Street Fund Supplies Acct. No. 202-449.201-752.000 = \$32,000.00; Local Street Fund Supplies Acct. No. 203-449.201-752.000 = \$50,000.00; Major Street Fund Supplies Acct. No. 202-449.203-752.000 = \$6,000.00; Local Street Fund Supplies Acct. No. 203-449.203-752.000 = \$10,800.00; Major Street Fund Supplies Acct. No. 202-449.211-752.000 = \$12,800.00; Local Street Fund Supplies Acct. No. 203-449.211-752.000 = \$25,000.00; and Sewer Fund Supplies Acct. No. 590-540.208-752.000 = \$28,000.00.]

POSTPONED**210359** Contract Extension/Bearing Distributors, Inc./Non-Stock Mechanical Parts

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to extend the contract with Bearing Distributors, Inc., for non-stock mechanical parts, as requested by Water Pollution Control, in an amount NOT-TO-EXCEED \$75,000.00 [Sewer Fund Repair/Maintenance Supplies Acct. No. 590-550.202-775.000 = \$72,500.00 and Water Fund Supplies Acct. No. 591-545.201-752.000 = \$2,500.00.]

POSTPONED**210360** Contract Extension/Equipment Leases/National Cooperative Leasing

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to extend the contract with National Cooperative Leasing to provide seven (7) leased vehicles for FY2020, in the amount of \$272,943.78, as requested by Fleet [Fleet/Central Garage Rentals Fund Acct. No. 661-451.100-940.000.] [NOTE: According to the Staff Review, the leases are for seven (7) International HV607 plow trucks.]

POSTPONED**210361** Contract Extension/Equipment Leases/Navistar Capital

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to extend the contract with Navistar Capital to provide four (4) leased vehicles for FY2020, in the amount of \$146,979.74, as requested by Fleet [Fleet/Central Garage Rentals Fund Acct. No. 661-451.100-940.000.] [NOTE: According to the Staff Review, the leases are for four (4) tandem axle dump trucks.]

POSTPONED**210362** Contract Extension/Equipment Leases/Deere Credit

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to extend the contract with Deere Credit to provide leased vehicles for FY2020, in the amount of \$271,200.00, as requested by Fleet [Fleet/Central Garage Rentals Fund Acct. No. 661-451.100-940.000.] [NOTE: According to the Staff Review, the leases are for 13 pieces of heavy equipment.]

POSTPONED

210363 Contract Extension/Equipment Leases/Huntington Public Capital

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to extend the contract with Huntington Public Capital to provide four (4) leased vehicles for FY2020, in the amount of \$371,679.14, as requested by Fleet [Fleet/Central Garage Rentals Fund Acct. No. 661-451.100-940.000.] [NOTE: According to the Staff Review, the leases are for four (4) sewer cleaner vehicles.]

POSTPONED

210364 Contract/Test America Laboratories, Inc./Environmental Monitoring Services

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with Test America Laboratories, Inc., for environmental monitoring services, as requested by Water Pollution Control, in an amount NOT-TO-EXCEED \$40,000.00 per year for FY 2022, FY2023 and FY2024, pending adoption of each year's budget), for a contract total of \$120,000.00 [Sewer Fund Professional Services Acct. No. 590-550.100-801.000.]

POSTPONED

210365 Settlement/Timothy Brown v City of Flint/Case No. 20-113889-NI

Resolution resolving that the City Administrator is hereby authorized to pay the settlement offer in the matter of Timothy Brown v City of Flint, in the amount of \$30,000.00, in satisfaction of any and all claims arising out of said matter, with payment to be drawn from appropriated funds in the Litigation and Suits Acct. No. 677-266.200-956.300. [NOTE: An Executive Session was held on this matter on August 4, 2021.]

POSTPONED

210366 Settlement/Dawn Hawley v Scott et al/Case No. 19-112346-NI

Resolution resolving that the City Administrator is hereby authorized to pay the settlement offer in the matter of Dawn Hawley v Scott et al, in the amount of \$54,000.00, in satisfaction of any and all claims arising out of said matter, with payment to be drawn from appropriated funds in the Litigation and Suits Acct. No. 677-266.200-956.300. [NOTE: An Executive Session was held on this matter on August 4, 2021.]

POSTPONED

- 210371** Grant Acceptance/Financially Distressed Cities, Villages & Townships (FDCVT)
Grant/Public Safety

Resolution resolving that the proper city officials are hereby authorized to participate in the Financially Distressed Cities, Villages & Townships (FDCVT) Grant for Public Safety on behalf of the City of Flint. Proper city officials are hereby authorized to provide this resolution indicating its approval to the State of Michigan, and to submit and execute documents requested by the State relating to the FDCVT requirements, AND, resolving that the appropriate city officials are authorized to do all things necessary to abide by the terms of Grant No. 210098-21, in the amount of \$183,505.00, and to make the grant funds available in the current and any subsequent fiscal years that funding continues to remain available by the Grantor.

POSTPONED

- 210372** CO #2/Contract/Spalding DeDecker/Construction Engineering Services

Resolution resolving that the proper City Officials, upon City Council's approval, are hereby authorized to enter into change order #2 to the contract with Spalding DeDecker to provide design and construction services for ADA (American Disability Act) sidewalk ramps, as well as additional construction issues related to Court Street, in an amount NOT-TO-EXCEED \$30,000.00, and a revised aggregate amount of \$853,356.00 as requested by Transportation [Major Street Fund Acct. No. 202-449.200-801.000 = \$7,000.00 and Acct. No. 202-441.702-801.000 = \$23,000.00.]

POSTPONED

- 210373** CO#1/Contract/Commercial Contracting Corp./Influent Structure & Battery A Grit Rehabilitation/Water Pollution Control (WPC)

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to enter into Change Order No. 1 with Commercial Contracting Corp. for the additional structural work for the Water Pollution Control Influent Structure and Battery A Grit rehabilitation project, as requested by WPC, in an amount NOT-TO-EXCEED \$337,082.58, and a revised contract amount NOT-TO-EXCEED \$3,827,084.38 [Sewer Fund SRF-Influent Battery A Grit Project Acct. No. 590-550.412-801.074.] [NOTE: This project is part of Phase 1 of the Publicly Owned Treatment Works, DPW-WPC Improvements SRF Project Plan.]

POSTPONED

- 210374** Contract/J.R. Heineman & Sons, Inc./Third Avenue Pump Station Improvements/Water Pollution Control (WPC)

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to approve the issuance of a contract to J.R. Heineman & Sons, Inc.

for Third Avenue Pump Station improvements, as requested by Water Pollution Control, in an amount NOT-TO-EXCEED \$8,347,500.00, AND, resolving that this project will be paid with funds from the pending State of Michigan Revolving Fund Loan and is contingent upon final approval and acceptance of the loan application and bond issuance. [NOTE: This project is part of Phase 1 of the Publicly Owned Treatment Works, DPW-WPC Improvements SRF Project Plan.]

POSTPONED

- 210375** Contract/J.F. Cavanaugh Co./Secondary Clarifier Improvements/Water Pollution Control (WPC)

Resolution resolving that the proper city officials, upon City Council approval, are authorized to approve the issuance of a contract with J.F. Cavanaugh Co. for the Northwest Pump Station rehabilitation, as requested by Water Pollution Control, in an amount NOT-TO-EXCEED \$6,283,416.00, AND, resolving that this project will be paid with funds from the pending State of Michigan Revolving Fund Loan and is contingent upon final approval and acceptance of the loan application and bond issuance. [NOTE: This project is part of Phase 1 of the Publicly Owned Treatment Works, DPW-WPC Improvements SRF Project Plan.]

POSTPONED

- 210379** Contract/Sorensen Gross Co./Grit Battery B System/Primary Tank Improvements/Water Pollution Control (WPC)

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to approve the issuance of a contract to Sorensen Gross for the WPC Battery B Grit and Primary Settling Tank improvements, as requested by WPC, in an amount NOT-TO-EXCEED \$20,526,900.00, AND, resolving that this project will be paid with funds from the pending Michigan State Revolving Fund Loan and is contingent upon final approval and acceptance of the loan application and bond issuance [Sewer Fund Acct. No. 590-550.421-801.078.] [NOTE: This project is part of Phase 1 of the Publicly Owned Treatment Works, DPW-WPC Improvements SRF Project Plan.]

POSTPONED

RESOLUTIONS (May Be Referred from Special Affairs)

- 210376** Update/Support Operations Plan (SEOP)/City of Flint/Genesee County Emergency Management Program

Resolution resolving that the Flint City Council approves the adoption of the Support Operations Plan of the City of Flint and the appointment of the County Emergency Management Coordinator as the Emergency Management Coordinator for the City of Flint. [NOTE: The Genesee County Sheriff's Office has requested that the city adopt an updated Support Operations Plan, which was developed to identify the responsibilities between the City of Flint and Genesee County in regard

to pre-disaster emergency management activities, and provides for City of Flint government agencies to respond to various types of emergencies or disasters that affect the community.]

POSTPONED

210377 Objection/Installation & Operation/Ajax Materials, Corp./Hot Asphalt Plant

Resolution resolving that the Mayor and Flint City Council do all things necessary to submit their comments to Environment, Great Lakes and Energy (EGLE) no later than August 16, 2021, to object to the Permit to Install Application, APP-2021-0019, which is a request from Ajax Materials, Corp. to install and operate a new hot asphalt plant, to prevent neighborhoods and residents and other businesses from being negatively impacted. [NOTE: Ajax Materials, Corp. made application to EGLE for a permit to install and operate a new hot mix asphalt plant at 5088 Energy Drive, Flint.]

POSTPONED

210380 Budget Amendment/Transfer of Funds/Residential Waste Services/Rubbish Collection Fund

Resolution resolving that the appropriate city officials, upon City Council's approval, are hereby authorized to do all things necessary to amend the FY2021-2022 budget of the City of Flint to reflect the changes to the city's DPW-Rubbish Collection Fund, for a total change of \$715,555.00, as requested by DPW [Rubbish Collection Professional Services Fund Acct. NO. 226-528.201-801.000.] [NOTE: According to the Staff Review, the budget amendment is necessary to complete contractual work agreements for Residential Waste Services contract within the Waste Services Division.]

POSTPONED

210367 Contract/Priority Waste, LLC/Waste Collection Services

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to enter into a contract with Priority Waste, LLC for waste collection services for the period ending June 30, 2024, with an option to extend the contract for an additional two years, in an amount NOT-TO-EXCEED \$19,726,747.20, (\$4,785,547.50 for FY 2022, \$6,525,840.15 for FY2023, \$6,722,407.80 for FY2024 and \$1,692,951.75 for FY2025, pending adoption of each year's budget) [Rubbish Collection Fund Acct. No. 226-528.201-801.000.

POSTPONED

SECOND READING AND ENACTMENT OF ORDINANCES

210214.1 Amendment/Ordinance/Chapter 28 (Motor Vehicles & Traffic)/Article II (Operation of Vehicles)/Addition of Sections 28-65 (a) - (d), Section 28-65.1 and Section 28-65.2 (Drag Racing)

An amendment to the ordinance to amend Chapter 28 (Motor Vehicles and Traffic), Article II (Operation of Vehicles) of the Code of the City of Flint by adding Sections 28-65 (a) - (d), Section 28-65.1 and Section 28-65.2 (Drag Racing). [NOTE: Ordinance amended to correct typographical and technical errors.]

POSTPONED

- 210231** Amendment/Ordinance/Chapter 24 (Housing)/Article I (International Property Maintenance Code)/Addition of Section 24-5 (Landlords Removal and Disposal Process Regarding Evictions)

An ordinance to amend the Code of the City of Flint by amending Chapter 24 (Housing), Article I (International Property Maintenance Code), with the addition of Section 24-5 (Landlords Removal and Disposal Process Regarding Evictions).

POSTPONED

- 210332** Amendment/Ordinance/Chapter 9 (Animals and Fowl)/Article I (In General)/Section 9.1 (Cruelty to Animals Prohibited)/Addition of Sections 9-1.1 through 9-1.6

Ordinance to amend the Code of the City of Flint by amending Chapter 9 (Animals & Fowl), Article 1 (In General) by amending 9-1 (Cruelty to Animals Prohibited) by adding Sections 9-1.1 through 9-1.6.

POSTPONED

- 210333** Amendment/Ordinance/Chapter 28 (Motor Vehicles & Traffic)/Addition of Section 28-95 (Loitering In or About a Motor Vehicle)

An ordinance to amend Chapter 28 (Motor Vehicles and Traffic), by the addition of Section 28-95 (Loitering In or About a Motor Vehicle).

POSTPONED

ADJOURNMENT

Vice President Maurice Davis adjourned this meeting at 1:29 a.m. after a motion by Councilperson Mays and support from Councilperson Griggs. The vote was 7-0 (Absent: Fields, Worthing).

Respectfully transcribed & submitted,

Janell Johnson, Administrative Secretary to City Council

City of Flint, Michigan

*Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com*



Meeting Minutes - Draft

Monday, August 23, 2021

7:02 PM

*

ELECTRONIC PUBLIC MEETING

CITY COUNCIL

*Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2*

*Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
Monica Galloway, Ward 7*

*Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8*

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

CALL TO ORDER

Council President Kate Fields called this meeting to order at 7:02 p.m.

ROLL CALL

Present: Councilperson: Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

PLEDGE OF ALLEGIANCE

Councilperson Allan Griggs led the Pledge of Allegiance.

REQUESTS FOR CHANGES AND/OR ADDITIONS TO AGENDA

Councilperson Galloway asked for a Special Order on building permits and processes after Public Speaking/Council Response. The vote was 7-2 (No: Guerra, Griggs).

APPOINTMENTS

210313 Appointment/Hurley Board of Hospital Managers/Mildred Silva Zuccaro

Resolution approving that the Flint City Council approves the appointment of Mildred Silva Zuccaro (no address listed) to the Hurley Board of Hospital Managers to serve the remainder of a five-year term commencing immediately, and expiring April 30, 2022, as requested by Mayor Sheldon Neeley. [NOTE: Ms. Zuccaro is replacing the Rev. Daniel S. Scheid, who recently resigned from the board.]

A motion was made by Councilperson Galloway, seconded by Councilperson Davis, that this matter be REFERRED TO COMMITTEE to the GOVERNMENTAL OPERATIONS COMMITTEE, due back on September 8, 2021. The motion carried by the following vote:

Aye: 5 - Councilperson Mays, Councilperson Davis, Councilperson Winfrey-Carter, Councilperson Winfrey and Councilperson Galloway

No: 4 - Councilperson Guerra, Councilperson Fields, Councilperson Griggs and Councilperson Worthing

APPOINTMENTS (May Be Referred from Special Affairs)

210157 Appointment/Water System Advisory Council/Nancy Love

Resolution resolving that Mayor Neeley hereby appoints Nancy Love (1351 Beal Avenue, Ann Arbor, MI 48109) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.]

The motion was to send both 210157 and 210229 to Council in one motion.

A motion was made by Councilperson Mays, seconded by Councilperson Winfrey, that this matter be POSTPONED for September 13, 2021. The motion carried by the following vote:

Aye: 8 - Councilperson Mays, Councilperson Davis, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

No: 1 - Councilperson Guerra

210229 Appointment/Water System Advisory Council/Shawn P. McElmurry

Resolution resolving that Mayor Neeley hereby appoints Shawn P. McElmurry (2153 Engineering Building, 5050 Anthony Wayne Drive, Detroit, MI 48202) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.]

A motion was made by Councilperson Mays, seconded by Councilperson Winfrey, that this matter be POSTPONED for September 13, 2021. The motion carried by the following vote:

Aye: 8 - Councilperson Mays, Councilperson Davis, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

No: 1 - Councilperson Guerra

210395 Appointment/Water System Advisory Council/Jaron Houston

Resolution resolving that Mayor Neeley hereby appoints Jaron Houston (2621 East Court Street, Flint, MI 48503) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.]

A motion was made by Councilperson Winfrey, seconded by Councilperson Mays, that this matter be Adopted. The motion carried by the following vote:

Aye: 9 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

210396 Appointment/Water System Advisory Council/Gina Smith

Resolution resolving that Mayor Neeley hereby appoints Gina Smith (210 West Flint Park Boulevard, Flint, MI 48505) to serve on the Water System Advisory Council. [NOTE: Pursuant to the State of Michigan's administrative rules, water suppliers

serving a population of 50,000 or more, shall create a Water System Advisory Council. The purpose of the Council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.]

A motion was made by Councilperson Mays, seconded by Councilperson Griggs, that this matter be Adopted. The motion carried by the following vote:

Aye: 9 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

RESOLUTIONS

- 210233.1** Approval/City of Flint Brownfield Redevelopment Project Authority/Brownfield Plan for the James P. Cole Project (1809 James P. Cole Boulevard)

Resolution resolving that the [Brownfield Plan for the James P. Cole Project (1809 James P. Cole Boulevard)] as submitted is hereby approved and adopted, and a copy of the plan and all amendments thereto shall be maintained on file in the City Clerk's office. [NOTE: Once approved, the Brownfield plan will allow the reimbursement of eligible project expenses from the additional tax revenue realized as a result of the redevelopment. The reimbursement can occur over the life of the plan, which is normally 30 years. The eligible reimbursable expenses are estimated at around \$2,541,508.00.]

SEPARATED FROM MASTER RESOLUTION

- 210376** Update/Support Operations Plan (SEOP)/City of Flint/Genesee County Emergency Management Program

Resolution resolving that the Flint City Council approves the adoption of the Support Operations Plan of the City of Flint and the appointment of the County Emergency Management Coordinator as the Emergency Management Coordinator for the City of Flint. [NOTE: The Genesee County Sheriff's Office has requested that the city adopt an updated Support Operations Plan, which was developed to identify the responsibilities between the City of Flint and Genesee County in regard to pre-disaster emergency management activities and provides for City of Flint government agencies to respond to various types of emergencies or disasters that affect the community.]

SEPARATED FROM MASTER RESOLUTION

- 210380** Budget Amendment/Transfer of Funds/Residential Waste Services/Rubbish Collection Fund

Resolution resolving that the appropriate city officials, upon City Council's approval, are hereby authorized to do all things necessary to amend the FY2021-2022 budget of the City of Flint to reflect the changes to the city's DPW-Rubbish Collection Fund, for a total change of \$715,555.00, as requested by DPW [Rubbish Collection Professional Services Fund Acct. NO. 226-528.201-801.000.] [NOTE: According to the Staff Review, the budget amendment is necessary to complete

contractual work agreements for Residential Waste Services contract within the Waste Services Division.]

SEPARATED FROM MASTER RESOLUTION

210393 Contract/Granite Inliner LLC/Storm and Sewer Re-lining Services

Resolution resolving that the proper City Officials, upon City Council's approval, are authorized to do all things necessary to enter into a contract with Granite Inliner LLC (formerly Liquiforce Services, Inc.) for storm and sewer re-lining services for an additional year, as requested by the Water Service Center (WSC), in an amount NOT-TO-EXCEED \$2,300,000.00 [Sewer Fund Capital Improvement Acct. No. 590-540.300-801.000.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210394 MDOT Contract No. 21-5310/Job No. 207665CON/Construction Activities/Miller Road from Ballenger Highway to Hammerberg Road

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to enter into MDOT Contract No. 21-5310, Job No. 207665CON, including a local contribution of \$1,076,398.00, plus potential overruns in the amount of \$10,000.00 for a total of \$1,086,398.00, AND, resolving that Sheldon A. Neeley, Mayor, is the duly authorized City official authorized to sign MDOT Contract 21-5310 on behalf of the City of Flint [Major Street Fund Acct. No. 202-441.702-801.000.] [NOTE: The contract is for the purpose of fixing the rights and obligations of the parties in agreeing to the following: construction activities, including hot mix asphalt, cold milling and resurfacing, storm sewer, concrete curb and gutter and sidewalk ramps, permanent signing and pavement markings along Miller Road from Ballenger Highway to Hammerberg Road, and all together with necessary related work.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210403 Settlement/Robert Christensen v City of Flint, Worker's Compensation No. W08006001

Resolution resolving that the City Administrator, upon City Council's approval, hereby authorizes settlement in the matter of Robert Christensen v City of Flint, Worker's Compensation No. W08006001, in the amount of \$7,500.00, in satisfaction of any and all claims arising out of said matter, with payment to be drawn from appropriated funds in the Litigation and Suits Line Item No. 677-266.200-956.300. [NOTE: An Executive Session on this matter was held on August 9, 2021.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

RESOLUTIONS (May Be Referred from Special Affairs)

210401 Grant Acceptance/Budget Amendment/Transfer of Funds/Charles Stewart Mott Foundation Grant/Event Policing & Public Safety

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to accept the grant funds set forth in the grant agreement of C.S. Mott Grant #G-2019-04495, in the amount of \$134,187.00, to appropriate revenue and expenditure amounts, and to make the grant funds available from January 1, 2021, through December 31, 2021. [NOTE: The Charles Stewart Mott Foundation has awarded a grant to the City of Flint for Flint Police Department coverage at all downtown events, including traffic redirection and street closures. The amount awarded, \$100,000.00, will be combined with grant money carried over from last year (\$34,187.00) for a total this year of \$134,187.00.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210404 Budget Amendment/ReCAST (Resiliency in Communities After Stress & Trauma) Grant/U.S. Department of Health & Human Services (DHHS)/Substance Abuse & Mental Health Services Administration (SAMHSA)

Resolution resolving that the appropriate city officials, upon City Council's approval, are authorized to do all things necessary to abide by the terms and conditions of U.S. Department of Health and Human Services Substance Abuse and Mental Health Services Administration Grant #1H79SM084918-01, in the amount of \$1,000,000.00, renewable up to four (4) years, for a total of \$5,000,000.00, to appropriate revenue and expenditure amounts using Grant Code FHHS21RECAST, and make the grant funds available in the current year and any subsequent fiscal years that the funding continues to remain available by the grantor. [NOTE: The Flint ReCAST is intended to assist high-risk youth and families in the City of Flint impacted by the Flint Water Emergency.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

210407 Approval/Issuance of Sewage Disposal System Revenue Bond/Authorization/Publication of Notice

Resolution resolving that the Flint City Council adopted a resolution on July 26, 2021, authorizing the issuance of the City's Sewage Disposal System Revenue Bond, issued in one or more series, from time to time, in an aggregate principle amount not to exceed \$46,000,000.00, as follows: Section 1 -- Definitions; Section 2 -- Necessity, Public Purpose; Section 3 -- Estimated Cost; Period of Usefulness; Section 4 -- Issuance of Bonds; Section 5 -- Series 2021 Bond Terms; Section 6 -- Payment of Bonds; Pledge of Net Revenues; Section 7 -- Prior Redemption; Section 8 -- Paying Agent and Registration; Section 9 -- Sale of Bonds; Section 10 -- Bond Form; Section 11 -- Authorized Officer; Section 12 -- Execution of Bonds; Section 13 -- Rights of Bondholders; Section 14 -- Management of System; Section 15 -- Supervised Bank Accounts; Section 16 -- Funds and Accounts; Section 17 -- Investment of Funds; Section 18 -- Depository and Funds on Hand; Section 19 -- Rates and Charges; Section 20 -- Reimbursement; Section 21 -- No Free Service;

Section 24 -- Revenue Bond Covenants; Section 23 -- Additional Bonds; Section 23 -- Defeasance; Section 25 -- Revenue Sharing Pledge; Section 26 -- Fiscal Year of System; Section 27 -- Contract with Bondholders; Section 28 -- Tax Covenants; Section 29 -- Publication and Recordation; Section 30 -- Resolution Subject to Michigan Law; Section 31 -- Section Headings; Section 32 -- Severability; Section 33 -- Conflict; and Section 34 -- Effective Date of Resolution. [NOTE: Per Section 29, Publication and Recordation, this resolution shall be published once in full in a newspaper of general circulation in the Issuer qualified under state law to publish legal notices, and the same shall be recorded in the records of the Issuer and such recording authenticated by the signature of the Issuer Clerk.]

This Matter was ADOPTED BY THE MASTER RESOLUTION on the Consent Agenda.

Passed The Consent Agenda

A motion was made by Councilperson Winfrey, seconded by Councilperson Worthing, including all the preceding items marked as having been adopted on a Consent Agenda. The motion carried by the following vote:

Aye: 9 - Councilperson Mays, Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

SEPARATED FROM MASTER RESOLUTION

210233.1 Approval/City of Flint Brownfield Redevelopment Project Authority/Brownfield Plan for the James P. Cole Project (1809 James P. Cole Boulevard)

Resolution resolving that the [Brownfield Plan for the James P. Cole Project (1809 James P. Cole Boulevard)] as submitted is hereby approved and adopted, and a copy of the plan and all amendments thereto shall be maintained on file in the City Clerk's office. [NOTE: Once approved, the Brownfield plan will allow the reimbursement of eligible project expenses from the additional tax revenue realized as a result of the redevelopment. The reimbursement can occur over the life of the plan, which is normally 30 years. The eligible reimbursable expenses are estimated at around \$2,541,508.00.]

A motion was made by Councilperson Mays, seconded by Councilperson Winfrey, that this matter be REFERRED TO COMMITTEE to the LEGISLATIVE COMMITTEE, due back on September 8, 2021. The motion carried by the following vote:

Aye: 5 - Councilperson Mays, Councilperson Davis, Councilperson Winfrey-Carter, Councilperson Winfrey and Councilperson Galloway

No: 4 - Councilperson Guerra, Councilperson Fields, Councilperson Griggs and Councilperson Worthing

210376 Update/Support Operations Plan (SEOP)/City of Flint/Genesee County Emergency Management Program

Resolution resolving that the Flint City Council approves the adoption of the

Support Operations Plan of the City of Flint and the appointment of the County Emergency Management Coordinator as the Emergency Management Coordinator for the City of Flint. [NOTE: The Genesee County Sheriff's Office has requested that the city adopt an updated Support Operations Plan, which was developed to identify the responsibilities between the City of Flint and Genesee County in regard to pre-disaster emergency management activities and provides for City of Flint government agencies to respond to various types of emergencies or disasters that affect the community.]

A motion was made by Councilperson Griggs, seconded by Councilperson Worthing, that this matter be Adopted. The motion carried by the following vote:

Aye: 8 - Councilperson Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, Councilperson Galloway, Councilperson Griggs and Councilperson Worthing

Abstain: 1 - Councilperson Mays

210380

Budget Amendment/Transfer of Funds/Residential Waste Services/Rubbish Collection Fund

Resolution resolving that the appropriate city officials, upon City Council's approval, are hereby authorized to do all things necessary to amend the FY2021-2022 budget of the City of Flint to reflect the changes to the city's DPW-Rubbish Collection Fund, for a total change of \$715,555.00, as requested by DPW [Rubbish Collection Professional Services Fund Acct. NO. 226-528.201-801.000.] [NOTE: According to the Staff Review, the budget amendment is necessary to complete contractual work agreements for Residential Waste Services contract within the Waste Services Division.]

A motion was made by Councilperson Mays, seconded by Councilperson Davis, that this matter be POSTPONED for August 25, 2021. The motion failed by the following vote:

Aye: 4 - Councilperson Mays, Councilperson Davis, Councilperson Winfrey-Carter and Councilperson Galloway

No: 5 - Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

A motion was made by Councilperson Worthing, seconded by Councilperson Griggs, that this matter be Adopted. The motion carried by the following vote:

Aye: 5 - Councilperson Guerra, Councilperson Fields, Councilperson Winfrey, Councilperson Griggs and Councilperson Worthing

No: 4 - Councilperson Mays, Councilperson Davis, Councilperson Winfrey-Carter and Councilperson Galloway

ADJOURNMENT

President Kate Fields adjourned this meeting at 12:49 a.m. after a motion by Councilperson Mays and support from Councilperson Griggs. The vote was 9-0.

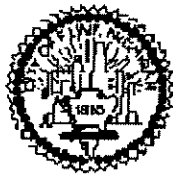
Respectfully transcribed & submitted,

Janell Johnson. Administrative Secretary to City Council

210467

City of Flint, Michigan

*Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com*



Meeting Minutes - Draft

Friday, August 13, 2021

5:30 PM

*

ELECTRONIC PUBLIC MEETING

SPECIAL CITY COUNCIL

*Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2*

*Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
Monica Galloway, Ward 7*

*Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8*

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

CALL TO ORDER

Vice President Maurice Davis called this meeting to order at 5:48 p.m.

ROLL CALL

Present: Councilperson Mays, Vice President Davis, Councilperson Winfrey-Carter, Councilperson Winfrey and President Galloway

Absent: Councilperson Guerra, Councilperson Fields, Councilperson Griggs and Councilperson Worthing

PURPOSE OF MEETING

To Discuss the Temporary Water Source Switch.

ADJOURNMENT

Councilperson Winfrey left at 6:38 p.m., which broke the quorum. The meeting ended at 7:37 p.m. due to lack of a quorum.

Respectfully transcribed & submitted,

Janell Johnson. Administrative Secretary to City Council

City of Flint, Michigan

*Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com*



Meeting Agenda - Final

Wednesday, August 25, 2021

5:00 PM

ELECTRONIC PUBLIC MEETING

INVESTIGATIVE HEARING

*Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2*

*Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
Monica Galloway, Ward 7*

*Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8*

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

SPECIAL PUBLIC NOTICE -- ELECTRONIC PUBLIC MEETING**PUBLIC NOTICE****FLINT CITY COUNCIL ELECTRONIC PUBLIC MEETING**

On Friday, October 5, 2020, the Michigan Supreme Court (MSC) issued an order declaring that the Emergency Powers of Governor (EPG) Act as an unconstitutional delegation of legislative authority, which was the primary authority relied on by Governor Whitmer for her COVID-19 related executive orders. Subsequently, Governor Whitmer requested that the MSC clarify that their order does not go into effect until October 30, 2020. On Monday October 12, 2020, the Michigan Supreme Court rejected Governor Whitmer's request to delay the effect of its decision to strike down the EPG. On, Tuesday, October 13, 2020, Senate Bill 1108 passed, amending the Open Meetings Act to allow municipalities to hold electronic meetings. On Friday, October 16, 2020, Governor Whitmer signed into law Senate Bill 1108 amending the Open Meetings Act. Subsequently, on December 22, 2020 Public Act 267 of 1976 was amended through Senate Bill 1246 extending the electronic meetings with no reason through March 31, 2021. The act also allows that after March 31, 2021, electronic meetings may be held if a local state of emergency was declared. On March 23, 2020, the Flint City Council extended Mayor Neeley's declaration of emergency indefinitely due to the COVID-19 pandemic. Therefore, the following meeting will be held electronically:

**Investigative Hearing - Waste Collection Services
5:00 p.m., Wednesday, August 25, 2021**

The Investigative Hearing will be held for the following purpose(s) :

- To plan and/or conduct an investigation regarding the City of Flint's waste collection services processes.

1. The public and media may listen to the meeting online by live stream at <https://www.youtube.com/c/FlintCityCouncilMeetings> or through Start Meeting Solution by dialing (617) 944-8177. (If unable to call in, please dial (206) 451-6011.)

2. Persons with disabilities may participate in the meeting by the above-mentioned means or by emailing a request for an accommodation to CouncilPublicComment @cityofflint.com, with the subject line Request for Accommodation, or by contacting the City Clerk at (810) 766-7418 to request accommodation - including but not limited to interpreters.

****THE INVESTIGATIVE HEARING WILL BE IMMEDIATELY FOLLOWED BY A SPECIAL CITY COUNCIL MEETING, SCHEDULED TO BEGIN AT 6:30 P.M. (re: Priority Waste, LLC - Waste Collection Services and Other General City Business). ****

If there are any questions concerning this notice, please direct them to the City Council office at (810) 766-7418.

This Investigative Hearing was called by Councilpersons Eric Mays and Herbert J. Winfrey for the following purpose: To establish the format and procedure, and to set a hearing date related to the opening of the past trash collection bid.

CALL TO ORDER**ROLL CALL****MEMBER REMOTE ANNOUNCEMENT**

Pursuant to the newly revised Open Meetings Act, each Council member shall state that they are attending the meeting remotely and shall state where he or she is physically located (county or city and state).

MEMBER CONTACT INFORMATION

Eric Mays - (810) 922-4860; Maurice Davis - mdavis@cityofflint.com; Santino Guerra - sguerra@cityofflint.com; Kate Fields - kfields@cityofflint.com; Jerri Winfrey-Carter - jwinfrey-carter@cityofflint.com; Herbert Winfrey - (810) 691-7463; Monica Galloway - mgalloway@cityofflint.com; Allan Griggs - agriggs@cityofflint.com; Eva Worthing - eworthing@cityofflint.com.

PROCEDURES ON CONDUCTING ELECTRONIC MEETINGS

All boards and commissions must adhere to all laws established under the Michigan Compiled Laws and in accordance with the revisions to the Open Meetings Act adopted in Senate Bill 1108, as passed on October 13, 2020, and signed into law on October 16, 2020.

READING OF DISORDERLY PERSONS CITY CODE SUBSECTION

Any person that persists in disrupting this meeting will be in violation of Flint City Code Section 31-10, Disorderly Conduct, Assault and Battery, and Disorderly Persons, and will be subject to arrest for a misdemeanor. Any person who prevents the peaceful and orderly conduct of any meeting will be given one warning. If they persist in disrupting the meeting, that individual will be subject to arrest. Violators shall be removed from meetings.

INTRODUCTION OF ATTORNEY F. JACK BELZER, P.C.

PURPOSE OF MEETING

To establish the format and procedure, and to set a hearing date related to the opening of the past trash collection bid.

COUNCIL DISCUSSION

ADJOURNMENT

210469

City of Flint, Michigan

*Third Floor, City Hall
1101 S. Saginaw Street
Flint, Michigan 48502
www.cityofflint.com*



Meeting Minutes - Draft

Wednesday, August 25, 2021

8:21 PM

*

ELECTRONIC PUBLIC MEETING

SPECIAL CITY COUNCIL

*Kate Fields, President, Ward 4
Maurice D. Davis, Vice President, Ward 2*

*Eric Mays, Ward 1
Jerri Winfrey-Carter, Ward 5
Monica Galloway, Ward 7*

*Santino J. Guerra, Ward 3
Herbert J. Winfrey, Ward 6
Allan Griggs, Ward 8*

Eva L. Worthing, Ward 9

Inez M. Brown, City Clerk

Davina Donahue, Deputy Clerk

CALL TO ORDER

Council President Kate Fields called this meeting to order at 8:21 p.m.

ROLL CALL

Present: Councilperson Mays, Vice President Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, President Galloway, Councilperson Griggs and Councilperson Worthing

PLEDGE OF ALLEGIANCE

Councilperson Herbert Winfrey led the Pledge of Allegiance.

PURPOSE OF MEETING

This Special City Council meeting was called by City Council members Eric Mays and Herbert J. Winfrey for the following purpose(s):

** To consider Resolution No. 210367, a resolution to enter into a contract with Priority Waste, LLC, for the city's Waste Collection Services;*

** To consider Resolution No. 210406, a resolution authorizing adoption of the 2023-2027 Vision, Mission and Goals of the City of Flint Strategic Plan; and*

** Other General City Business.*

RESOLUTIONS

210367 Contract/Priority Waste, LLC/Waste Collection Services

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to enter into a contract with Priority Waste, LLC for waste collection services for the period ending June 30, 2024, with an option to extend the contract for an additional two years, in an amount NOT-TO-EXCEED \$19,726,747.20, (\$4,785,547.50 for FY 2022, \$6,525,840.15 for FY2023, \$6,722,407.80 for FY2024 and \$1,692,951.75 for FY2025, pending adoption of each year's budget) [Rubbish Collection Fund Acct. No. 226-528.201-801.000.

Adopted

Substituted

MOTION TO CALL THE QUESTION

Prior to the vote, Councilperson Galloway, with support from Councilperson Davis, made a motion to Call the Question. The motion passed 6-3 (No: Fields, Griggs, Worthing).

210367 Contract/Priority Waste, LLC/Waste Collection Services

Resolution resolving that the proper city officials, upon City Council's approval, are authorized to enter into a contract with Priority Waste, LLC for waste collection services for the period ending June 30, 2024, with an option to extend the contract for an additional two years, in an amount NOT-TO-EXCEED \$19,726,747.20,

(\$4,785,547.50 for FY 2022, \$6,525,840.15 for FY2023, \$6,722,407.80 for FY2024 and \$1,692,951.75 for FY2025, pending adoption of each year's budget) [Rubbish Collection Fund Acct. No. 226-528.201-801.000.

A motion was made by Councilperson Mays, seconded by Vice President Davis, that this matter be POSTPONED for September 7, 2021. The motion carried by the following vote:

Aye: 5 - Councilperson Mays, Vice President Davis, Councilperson Winfrey-Carter, Councilperson Winfrey and President Galloway

No: 4 - Councilperson Guerra, Councilperson Fields, Councilperson Griggs and Councilperson Worthing

210406.1 Amendment/Approval/FY2023-FY2027 Vision, Mission, and Goals of the Strategic Plan

Amended resolution resolving that the City of Flint FY2023-FY2027 Vision, Mission, and Goals of the Strategic Plan are hereby approved as set forth in the attached document. [NOTE: Resolution amended to change "visits" to "visitors" in the first paragraph.]

A motion was made by Councilperson Mays, seconded by Councilperson Winfrey, that this matter be Adopted. The motion carried by the following vote:

Aye: 8 - Vice President Davis, Councilperson Guerra, Councilperson Fields, Councilperson Winfrey-Carter, Councilperson Winfrey, President Galloway, Councilperson Griggs and Councilperson Worthing

Abstain: 1 - Councilperson Mays

ADJOURNMENT

City Council Vice-President Maurice Davis adjourned this meeting at 11:35 p.m., after a motion by Councilperson Winfrey-Carter, and support from Councilperson Griggs. The vote was 6-0 (Absent: Guerra, Fields, Worthing).

Respectfully transcribed & submitted,

Janell Johnson, City Council Secretary



RESOLUTION NO.:

210157

PRESENTED:

APR - 7 2021

ADOPTED:

**RESOLUTION FOR THE APPOINTMENT OF DR. NANCY LOVE TO THE WATER
SYSTEM ADVISORY COUNCIL**

BY THE MAYOR:

WHEREAS, pursuant to the State of Michigan's administrative rules section 325.10410(7), water supplies serving a population of 50,000 or more, and consecutive systems serving a population of 50,000 or more, shall create a water system advisory council;

WHEREAS, the council shall consist of at least five members, appointed by the community supply;

WHEREAS, the purpose of this council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.

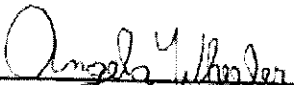
WHEREAS, to be eligible for appointment to the council, an individual shall have a demonstrated interest in or knowledge about lead in drinking water and its effects.;

WHEREAS, the council will develop plans for continuing public awareness about lead in drinking water, even when the action level is not exceeded.;; review public awareness campaign materials provided by the statewide drinking water advisory council to ensure the needs and interest of the community, considering the economic and cultural diversity of its residents, are addressed; advise and consult with the water supply on the development of appropriate plans for remediation and public education to be implemented if a lead action level is exceeded; advise and consult with the water supply on efforts to replace private lead service lines at locations where the owner declined service line replacement; assist in promoting transparency of all data and documents related to lead in drinking water within the water supply service area

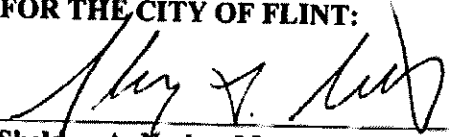
WHEREAS, Mayor Neeley desires to appoint Dr. Nancy Love to the Water System Advisory Council (See Attached Resume).

NOW THEREFORE BE IT RESOLVED, that Mayor Neeley hereby appoints Dr. Nancy Love address 1351 Beal Avenue, Ann Arbor, MI 48109 to serve on the Water System Advisory Council.

APPROVED AS TO FORM:


Angela Wheeler, City Attorney

FOR THE CITY OF FLINT:


Sheldon A. Neeley, Mayor

APPROVED BY CITY COUNCIL:

Kate Fields, City Council President

S:\AWO\Water System Advisory Council\Revised Documents\J.Gaskin (Clean Copy) Resolution to Appoint to the Water System Advisory Council (1).doc

NANCY G. LOVE, Ph.D., P.E., BCEE

Borchardt and Glysson Collegiate Professor

3BUniversity of Michigan, 4B183 EWRE, 1351 Beal Avenue, Ann Arbor, MI 48109-2125

0BVoice: (734) 763-9664; 2BE-mail: nglove@umich.edu; N-E-Wcycles.org (*under construction*)**RESEARCH OVERVIEW**

In collaboration with my students, I work at the interface of water, infrastructure, and public health in both domestic and global settings. My group advances public and environmental health using chemical, biological, and computational approaches applied to water systems, and co-design methods in partnership with communities. Specific project areas include: evaluating the fate of chemicals, pathogens and contaminants of emerging concern in water with relevance to public health and the environment; using technologies to sense and remove these constituents; advancing technologies that recover useful resources from water, and developing approaches that enable local decision-making around water quality, resource efficiency, and equity.

EDUCATION

Doctor of Philosophy Environmental Systems Engineering, Clemson University Advisor: C. P. Leslie Grady Jr.	1994
Masters of Science Civil Engineering, University of Illinois at Urbana-Champaign Advisor: John T. Pfeffer	1986
Bachelors of Science Civil Engineering, University of Illinois at Urbana-Champaign	1984

PROFESSIONAL EXPERIENCE AND LICENSURE

Professor Department of Civil & Environmental Engineering, University of Michigan (U-M) Co-Founder and Co-PI, Environmental Biotechnology Lab, U-M	2008-present
U-M Faculty Affiliate Graham Sustainability Institute (http://graham.umich.edu/); Energy Institute (https://energy.umich.edu/); Poverty Solutions Institute (https://poverty.umich.edu/); African Studies Center (https://ii.umich.edu/asc)	Present
Licensed Professional Engineer Environmental Engineering, State of Michigan, License No. 6201057483.	2010 - present
Adjunct Professor Institute of Biotechnology, Addis Ababa University, Ethiopia	2016 - 2019
Staff UNESCO-IHE (United Nations Water Education Institute), sabbatical	Feb – July 2014
Associate Dean for Academic Programs and Initiatives Horace H. Rackham School for Graduate Studies	2011 - 2012
Board Certified Environmental Engineer (BCEE) Certified by Eminence, American Academy of Environmental Engineers	2011-present
Department Chair Department of Civil and Environmental Engineering, University of Michigan	2008 – 2011
Professor Department of Civil and Environmental Engineering, Virginia Tech	2005 – 2007
Adjunct Professor Department of Biological Sciences, Virginia Tech	2002 – 2007

Associate Professor Department of Civil and Environmental Engineering, Virginia Tech	2000 – 2005
Assistant Professor Department of Civil and Environmental Engineering, Virginia Tech	1994 – 2000
Co-Founder and Co-Principal Investigator at Virginia Tech Environmental BioNanoTechnology Laboratory, Virginia Tech Fralin Environmental Biotechnology Laboratory, Virginia Tech	2005 – 2007 1995 – 1999
Project Engineer CH2M Hill, Inc. (now Jacobs Engineering Group), Dallas, Texas	1986 – 1989

ADMINISTRATIVE ACCOMPLISHMENTS

- | | |
|--|-------------------------|
| <ul style="list-style-type: none"> Became Diversity, Equity, and Inclusion (DEI) chair in the summer of 2020 to re-envision leadership around DEI and lead a collaborative team to develop an actionable roadmap for change. The committee was transformed to include voting members from across the department (students, staff, post-docs and faculty), all member categories were given equally visible leading positions in the committee, and structured the committee operating practices toward transparency and inclusion to serve as a model. A roadmap to drive systemic change was drafted, vetted, modified and is being finalized for publication. The roadmap includes efforts and goals across six pillars (recruiting a diverse community; building and valuing DEI skills; fostering a strong, connected, and successful community; developing a healthy and safe environment for mentoring, sponsorship, and advocacy; enabling an honest and transparent dialogue; and transforming our curriculum). In anticipation of an upcoming sabbatical and to ensure leadership continuity, I stepped down as lead once the roadmap was entering final production. This allows a new leader to be established in time for the public launch. | July 2020 - current |
| <ul style="list-style-type: none"> As a member of the board of the Association of Environmental Engineering and Science Professors (a position elected by the organization's membership), I was elected onto the Vice-President, President-Elect, and President path by the board. As president, I engaged international members by hosting the first AEESP-International Water Association (IWA) joint reception at the IWA World Congress in Quebec City, and appointed international members to key committee leadership positions. I also initiated the movement of the organization from being self-run to using a management company that continues to oversee the board's functions. This has allowed the board to act more as a visionary and less as a managing body. All these changes remain today. | 2007-2011 |
| <ul style="list-style-type: none"> As department chair of Civil and Environmental Engineering at the University of Michigan, I lead or oversaw: a significant transition in administrative staff; centralization of departmental operating management to enhance efficiencies; the development of procedures to achieve a balanced budget; the development of standard operating procedures and a governing document for the first time; the development of new strategic directions for the department; an increase in external funding of 40%; the doubling of student enrollments within a 5 year period; addition of \$8.5 million to the department's endowment; and hiring five faculty. | Jan 2008–
Aug 2011 |
| <ul style="list-style-type: none"> As a co-PI of the \$3.5 million Virginia Tech NSF Advance Institutional Transformation Grant focused on women's leadership in academia, I lead activities associated with graduate student and post-doctoral engagement toward the professoriate. | July 2003–
June 2008 |

MAJOR HONORS AND NOTABLE RECOGNITIONS

• American Society of Civil Engineers Wesley W. Horner Award for Daigger et al., Progress and Promise Transitioning to the One Water/Resource Recovery Integrated Urban Water Management Systems. <i>J Env Eng</i> , 2019.	2021
• American Academy of Environmental Engineers & Scientists Science Award	2020
• University of Illinois Urbana-Champaign Civil & Environmental Engineering Alumni Assoc. Distinguished Alumna Award	2020
• Kappe Lecture, American Academy of Environmental Engineers & Scientists	2019 - 2020
• AEESP/WEF Master Lecture: An Academic Perspective on Rethinking Urban Water Infrastructure Across the Classroom, Lab and Field. WEFTEC 2017, Chicago IL. October 2, 2017.	2017
• Distinguished Faculty Fellow in Sustainability, University of Michigan	2017-present
• Named Borchardt and Glysson Collegiate Professor, University of Michigan	2016
• Elected Fellow, Association of Environmental Engineering & Science Professors.	2015
• <i>Environmental Science and Technology Letters</i> , Best of the Best Paper Award for Delgado Vela et al. 2015 (see publications list).	2015
• Selected AEESP Distinguished Lecturer.	2015-2016
• Elected Fellow of the International Water Association.	2014
• Alec Gallimore Faculty Award from the Society of Minority Engineers and Scientists - Graduate (SMES-G) for being an effective advocate, ally and advisor to students of color, April 2012.	2012
• Gordon Maskew Fair Distinguished Engineering Educator, Water Environment Federation.	2011
• Elected Fellow of the Water Environment Federation. Inaugural class.	2011
• Certification by Eminence, Board Certified Environmental Engineer (BCEE). American Academy of Environmental Engineers.	2011
• President and Member of the Board, Association of Environmental Engineering and Science Professors. Position on Board of Directors is elected nationally, and position of president is then elected by the Board of Directors.	2007 - 2011
• Rudolfs Industrial Waste Management Medal for noteworthy accomplishments in industrial waste management research, Water Environment Federation. For Henriques et al. 2007. Activated sludge inhibition by chemical stressors – a comprehensive study. <i>Water Environment Research</i> 79(9):940-951.	2008
• CEE Alumni Teaching Excellence Award, Virginia Tech	2006
• Women's Center Advancing Women Award, Virginia Tech	2005
• Excellence in Research Award, College of Engineering, Virginia Tech	2005
• Faculty Fellow, \$15,000 over 3 years, College of Engineering, Virginia Tech	2003 – 2006
• Harrison Prescott Eddy Medal for outstanding contribution to wastewater principles/process research, Water Environment Federation. For Charles B. Bott and Nancy G. Love, for "Investigating a mechanistic cause for activated sludge deflocculation in response to shock loads of toxic electrophilic chemicals." <i>Water Environment Research</i> , 74:306-315 (2002).	2003
• Outstanding Young Alumni, College of Engineering & Science, Clemson Univ.	2002
• Paul L. Busch Award for Innovation in Applied Water Quality Research, Water Environment Research Foundation (\$100,000)	2001

- National Science Foundation CAREER Award Recipient 1995
- American Association of University Women Selected Professions Fellow 1993
- Chi Epsilon Civil Engineering Honor Society initiate 1985

PROFESSIONAL MEMBERSHIPS, ACTIVITIES AND APPOINTMENTS

Editorial Boards

- **ACS ES&T Engineering**, Associate Editor (inaugural) 2020 - present
- **Water Environment Research**
Editorial Board 2019 – present
Editor-in-Chief search committee 2009
Associate Editor 2002 - 2005
- **Environmental Engineering Science**, Editorial Board 2015 - present

Current Memberships and Activities

- **American Association for the Advancement of Science**
Member 2016 - present
- **American Academy of Environmental Engineers and Scientist (AAEES)**
Member 2011 – present
Board Certified Environmental Engineer (by eminence) 2012 – present
Environmental Engineering Science Awards Committee 2020 - present
Environmental Engineering and Science Foundation Board of Directors 2014-2016
- **American Chemical Society**
Member 2012 - present
- **American Society of Civil Engineers (ASCE)**
Member Discontinuous
Active participant: ASCE Department Chair's meetings 1980's – present
EWRE Sustainability subcommittee 2008-2011
2007 - 2009
- **American Society for Engineering Education**
Member Discontinuous
1994 - present
- **Association of Environmental Engineering and Science Professors**
Member and Fellow (2015) 1994 – present
Master's Thesis Awards Subcommittee (Chair, 1999) 1997 – 1999
Awards Committee (Chair, 2006-2007) 2004 – 2007
Board of Directors (Elected by membership; elected by board as Vice-President 2008-2009; President-Elect 2009-2010; President 2010-2011) 2007 – 2011
Co-Chair, AEESP 2017 Biannual Conference 2016-2017
AEESP Fellows Selection Committee 2018
- **International Water Association**
Member and Fellow (2014) 1989 – present
Environmental Engineering Education specialist's group, chair effective 2014 2006 - present
Microbial Ecology in Water Engineering (MEWE, formerly Activated Sludge Population Dynamics) Specialty Group member 1995 – present
MEWE program committee 2005 - 2019
Chair, MEWE2013 conference, Ann Arbor, Michigan USA 2012 - 2013
Leading Edge Technology (LET) Program Committee 2007 – 2009
Instrumentation, Control and Automation Group 2001 – 2007
Organizing Committee, Nutrient Management 2007 Workshop 2005 – 2007

MEGA working group member	2005 – 2008
Biofilms 2010 Conference Program Committee	2009 – 2010
• Water Environment Federation	
Member and Fellow (2011)	1986 – present
Awards Committee	2012 - present
Research Symposium Subcommittee	1999 – 2003
Virginia WEA Student Activities Committee	1997 – 2007
Work Force Task Force – WEF Presidential Appointment	2008 – 2009
Nutrient Specialty Conference Program Committee	2008 - 2009
Chair, Academic Committee	2009 – 2013
• Water Environment Research Foundation	
Leaders Innovation Forum for Technology (LIFT) Steering Committee	2015 – current
Chlorination Control and Monitoring Practices Project Advisory Committee	2000 - 2002
Wastewater Security Project Subcommittee	2003 – 2004
Sensors for Security in WWT Systems Project Advisory Committee	2005 – 2007
Paul L. Busch Award Selection Committee	2005 – 2011
Membrane Aerated Biofilm Reactor Project Advisory Committee, U2R14	2016-2018
Current Board Appointments	
• National Water Research Institute Independent Science Advisory Panel for Metropolitan Water District	2019-present
• ReNUWit Engineering Research Center Science Advisory Board, Stanford, UC-Berkeley, Colorado School of Mines, New Mexico State University	2015-2020
• University of Iowa NSF Sustainable Water Development Graduate Program Advisory Board Member	2017-2019
Prior Memberships, Activities and Board Appointments	
• American Society for Microbiology, Member	1991-2010
• Environmental Protection Agency EPA Science Advisory Board, Drinking Water Subcommittee	2010 - 2012
• Appointed Member, Michigan Department of Agriculture/Michigan Department of Environmental Quality Food Processors Working Group	2009 - 2010
• Michigan Economic Development Corporation (MEDC) Water Cluster Committee, establishing water-based technology investment goals for Michigan.	2008 – 2010
• National Society of Professional Engineers Member	Discontinuous 1987 - 2019
• Member, NSF's CLEANER (later, WATERS Network) Initiative as (a) planning phase participant, (b) Co-PI on environmental impacts to coastal margins planning grant and (c) Member, sensor sub-committee.	2002 – 2007
• Appointed by Governors Warner and Kaine (Virginia) to the Scientific and Technical Advisory Committee to the Chesapeake Executive Council Workshop co-chair and author, Establishing a Research Agenda for Assessing the Bioavailability of Wastewater-Derived Organic Nitrogen in Treatment Systems and Receiving Waters, September 27 and 28, 2007, Baltimore, Maryland. Hhttp://www.chesapeake.org/stac/Pubs/eonreport.pdf	2005 – 2007
• Women in Engineering Leadership Institute (WELI) Strategic Planning Committee	2004 – 2005

MAJOR COMMUNITY SERVICE AND OUTREACH ACTIVITIES

- **N95DECON.org.** A consortium of volunteer researchers from universities across the United States and world who worked to decipher, evaluate, and disseminate technically accurate information about N95 respirators as well as other kinds of masks and face coverings, in response the coronavirus pandemic. A key member of the Heat Treatment sub-team and participant in other subcommittees, as needed. April 2020 - present
- **City of Flint Technical Advisory Committee.** Appointed by Mayors Weaver (2017-2019) and Neeley (2019 – current) to provide guidance on behalf of the city's efforts in response to the Flint Water Crisis and other environmental and public health needs. 2017 – present
- **Train-the-Trainers.** Designed, developed, and delivered a curriculum about faucet-mounted point-of-use filters to Flint residents who became trainers for other Flint residents. Syndicated the curriculum to other communities with input from Flint community and partners. 2018 - present
- **K-12 Drinking Water Filtration.** Working with multiple organizations in the following ways: (a) developing and providing technical guidance on assessing the performance of point-of-use filters and advanced hydration stations used in schools (Flint Community Schools, Ann Arbor Public Schools); (b) provided technical input to the development of a model law by the National Resources Defense Council; (c) serving in a technical advisory role to the FilterFirst grassroots initiative that has successfully introduced bipartisan legislation in the State of Michigan to require point-of-use filtration of drinking water in schools and daycare centers throughout the state. 2018 - present
- **Partnerships around Research and Education in Ethiopia.** Partnering with faculty in various Institutes at Addis Ababa University in Ethiopia to advance graduate education as new Ph.D. programs are implemented. Create opportunities for AAU students to visit U-M for beneficial research experiences and partner those students with U-M Ph.D. students who serve as peer collaborators. Serve on the Ph.D. committees of AAU students. 2017 - 2019
- **Community-Targeted Scholarship**
N. G. Love, R. Jackson, S. P. McElmurry. Water Stays in the Pipes Longer in Shrinking Cities – A Challenge for Public Health. *The Conversation*, May 24, 2019. <http://theconversation.com/water-stays-in-the-pipes-longer-in-shrinking-cities-a-challenge-for-public-health-116119>
N. G. Love. We All Deserve to Have Confidence in Our Water. *Medium*. May 10, 2019. https://medium.com/@nglove/we-all-deserve-to-have-confidence-in-our-water-6994b2f7e00c?source=friends_link&sk=a1703f45b60797717658138319b971b1

MAJOR UNIVERSITY, COLLEGE & DEPARTMENT SERVICE/PROGRAMMATIC RESPONSIBILITIES

University of Michigan

- President's Public Health Advisory Committee on COVID Fall 2020-present
- UM Center for Global Health Equity Leadership Council, and co-chair of Climate Vulnerability and Health group. \$20 million center that is launching in 2021. Aug 2020-present
- University of Michigan Scientific Reviewer, Institutional Biosafety Committee (IBC), appointed by Vice President for Research July 1, 2020 – June 30, 2023
- CEE Diversity, Equity, and Inclusion Chair (through 2020), then committee member Aug 2020-present
- CEE Executive Committee (elected position) 2019-2021
- Undergraduate Recruitment Committee 2019-2020
- Richart Lecture Committee 2017-2018

• Advisory Group on University of Michigan activities in Ethiopia, Provost's office	2019-2020
• Advisory Group: U-M Lead and Copper Rule Project, Graham Institute overseeing Mott Foundation project.	2017-2019
• Civil and Environmental Engineering Strategic Plan Implementation and Development Committee, Revising plan in 2017-2018	2018-2019
• College of Engineering Graduate Recruitment, Retention & Summer Programs Advisory Group	2013-2018
• Internal Advisory Board Member, Center for Socially-Engaged Design	2017-2018
• Administrative Structure Working Group, School of the Environment and Sustainability Transition Subcommittee	2017-2020
• U-M ADVANCE LAUNCH Committee Chair	2017
• College of Engineering Promotion, Tenure and Reappointment Process Review Committee, Chair	2016-2017
• UM Energy Institute Faculty Affiliate (https://energy.umich.edu/)	2017
• College of Engineering Faculty Search Committee for positions in Engineering Education Research (EER)	2018-present
• Ethiopia – Michigan Collaborative Consortium (EMC2) Planning Committee, appointed by Assoc Provost James Holloway	2015-2016
• Provost's Committee on Environment and Sustainability	2015-2018
• Provost's Poverty Visioning Committee	2016
• Integrated Training in Microbial Systems (ITiMS) (Burroughs Wellcome Fund training program) Faculty Affiliate	2015-2016
• President's Advisory Commission on Women's Issues	2015 - present
• President's Postdoctoral Fellowship Advisory Committee	2014-2015
• Rackham Graduate School Dean Search Committee	2014-2015
• Provost's Promotion and Tenure Committee	2014
• Mentoring Others Results in Excellence (MORE) Committee, Rackham Graduate School, Member and Chair	2013
• Alumni Liaison Committee, Civil and Environmental Engineering	2012 - 2013
• Deans Advisory Committee on Female Faculty, College of Engineering	2012-2014
• Faculty Search Committee Co-Chair, Civil and Environmental Engineering	2012-2013
• Center for Molecular and Clinical Epidemiology of Infectious Diseases (MAC-EPID) Faculty Affiliate	2011-2012
• Graham Sustainability Institute Faculty Affiliate	2009 - present
• College of Engineering Alumni Awards Selection Committee	2009 - current
• Graham Environmental Sustainability Institute, Executive Committee	2011
• College of Engineering Dean's Advisory Committee on Faculty Diversity	2009 - 2011
• Provost's Office - Classroom Emergency Training Video Planning Group	2010 - 2012
• College of Engineering <i>ad hoc</i> Committee on Graduate Student Excellence	Fall 2008 -- 2009
	Summer 2008
Virginia Tech	
• Chair, College of Engineering "Think Tank" Committee (6 faculty)	2006 – 2007
• Space/Overhead Return Allocation <i>ad hoc</i> Committee, Provost apptmt	2005

- College of Engineering Dean's Search Committee 2005
- co-Coordinator, Via Academic Preparation Program for graduate student professional development, Dept of Civil and Environmental Engineering 2004 – 2007
- co-Principal Investigator and Advance Professor for \$3.5 million NSF Advance Institutional Transformation grant focused on increasing the participation and advancement of women in academic STEM careers. Chair: Advancing Women into the Profession 2003 – 2006
- Environmental Public Health Committee 2003 – 2004
- Provost's Implementation Committee, Biomedical & Public Health Institute 2002
- Board of Directors, WPI, Inc., a Virginia Tech affiliated company. 2001 – 2003
- Provost's Environmental Health Committee 2002
- Provost's Committee on Biomedical Research 2001 – 2002
- College of Engineering Diversity Committee 2001 – 2005
- Environmental Engineering Laboratory Coordinator & staff supervisor 1997 – 2005
- University Cross Cutting Initiatives Committee, Environment & Energy 1998 – 2000
- Fralin Biotechnology Center 5 Year Review Committee 2000
- Environmental Engineering Graduate Student Recruitment Officer 2000

UNIVERSITY TEACHING RESPONSIBILITIES

Introduction to Environmental Engineering; Models in Environmental Engineering; Water and Wastewater Treatment Design; Applied Biology of Environmental Systems; Biological Treatment Processes: Theory and Design; Environmental Microbiology; Introduction to Civil and Environmental Engineering; Engineering Solutions to Global Water Issues (Freshmen Design–Build–Test course); Decentralized Water Supply, Hygiene and Sanitation (co-produced with faculty at Addis Ababa University, Ethiopia); Urban Environmental Systems: Project-based Experiences for Students (focused on a diverse group of students in Engineering; Urban Planning, Public Health, Environment & Sustainability); Robots, Sensors and Smart Water Systems (co-developed Freshmen Design–Build–Test Course)

ADVISING RESPONSIBILITIES

Currently serving as advisor for 2 undergraduate research students, 1 master's students, and 8 Ph.D. students. Previously advised 44 M.S. students with thesis or significant project, 18 Ph.D. students, 7 post-doctoral research associates, and 36 undergraduate research projects/theses.

Major Undergraduate Research Projects

1. Harrison Suchyta. Summer 2019-current. Developing urine-derived fertilizers for flowering and woody plants at UM's Botanical Garden.
2. Leah Pifer. Fall 2019 – current. Developing an algorithm for a hand-held water quality monitoring strip.
3. Julia Ranese. Fall 2019 – Aug 2020. Building-Scale Urine Separation Systems.
4. Kensey Dahlquist. Spring 2019 – current. Projects in support of building-scale urine separation, collection and processing for nutrient-energy-water cycling.
5. Yen Jee Ooi. Summer 2018 (at Rich Earth Institute), then Fall 2018-2019. Nutrient analysis for NSF INFEWS project.
6. Brittany Brown. Summers 2017 and 2018. Characterization of *Stenotrophomonas maltophilia* from drinking water through culturing and qPCR, and bioavailability of high versus low water age carbon.
7. Myriam Sament. 2018 summer. Bioavailability of high versus low water age carbon in drinking water isolates.
8. Alexi Sinanaj. 2017 – 2018. Pharmaceutical removal from urine through activated carbon adsorption.
9. Brady Nishimiya. 2017-2018. Disinfection residual effectiveness of point-of-use product.
10. Nicholas Lowe. 2017-2018. Automated flushing device to improve water quality through point-of-use drinking water filters.

11. Dylan Raye-Leonard. 2016-2018. Urine-derived fertilizer project.
12. Brittany Brown. 2016. Microbial ecology of novel nitrogen removal systems.
13. Ishi Keenum. 2015 – 2016. Plasma treatment of source-separated urine for fertilizer development (co-mentor with K. Wigginton).
14. Mariah Gnegy. 2015-2016. DNA-based analysis of bacteria and viruses in source separated urine (co-mentor with K. Wigginton).
15. Weitian Wang. 2010-2011. Microaerobic Removal of Pharmaceuticals from Wastewater
16. Celine Saucier. 2010-2011. Nitrate Removal to Enable the Effluent Organic Nitrogen Bioassay
17. Bryan VanDuinen. 2009. Life Cycle Assessment of Various Disposal Methods for Unused Pharmaceuticals.
18. Shayan Sengupta. 2009: Assessing the Toxicity of Pharmaceuticals at Doses Expected from Secondary Infections Experienced During a Pandemic.
19. Genevieve Ho. 2008-2009: First project - Assessing a Thin-Film pH Biosensor. Second project – Abiotic Ammonia release from Effluent Organic Nitrogen Along Salinity Gradients.
20. Brian Harris. 2007: Assessing Oxidative Stress Response Function of Alginate-Immobilized Bacteria
21. Zachary Frye. 2006. Assessing the Feasibility of Nanostructure-Enhanced Nitrifying Microbial Fuel Cells
22. Brian Segal. 2006-2007. Evaluation of Ammonia Oxidizing Bacterial Biofilms.
23. Stephanie Harris. 2005-2006. Development of a Microfluidic Immunomagnetic Separation Biosensor for Detecting Bacterial Pathogens.
24. Beth McConnell. 2003-2004. The Affect of Physiology on Bacterial Responses to Oxidative Uncouplers
25. Suzanne Ayers. 2002. VIA Undergraduate Scholar: Evaluating the Impact of Toxic Shocks on Wastewater Treatment Performance
26. Felicia Glapion. 2001-2002. NEM-Induced Potassium Efflux in *Pseudomonas aeruginosa*
27. Monica Mace. 2000-2001. GE Scholarship: Denitrification of Aquaculture Wastewaters
28. Denise Gillam. 2000. Water Center Undergraduate Fellowship: The Impact of Potassium Efflux on Biofilm Treatment Systems Exposed to Electrophilic Toxins
29. Mike Gatza. 1999-2000. Using Two-Dimensional Gel Electrophoresis to Characterize Stress Proteins (Co-advised with Dr. Ann Stevens)
30. Bethany McRae. 1999-2000. NSF REU: Induction of the Glutathione-Gated Potassium Efflux System in *Sphingomonas capsulata* Exposed to HOCI
31. Jennifer Abrajano. 1999-2000. NSF REU: Assessing the Metabolism of Xenobiotic Compounds by Microaerobically-Grown Magnetotactic Bacteria
32. Scott Phipps. 1998-1999. Dewatering of Oily Wastewater Sludges. (Co-advised with Dr. John Novak)
33. Katya Bilyk. 1998-1999. NSF REU: Nitrite Inhibition and Toluene Degradation Under Denitrifying Conditions
34. Julie Wheeler. 1997-1998. NSF REU: Impact of Xenobiotic Stressors on Activated Sludge System Performance
35. Mary Rust. 1996-1997. Water Center Undergraduate Fellowship and NSF REU: Development and Isolation of Acetaldehyde Oxime and Methylethyl Ketoxime Degrading Cultures
36. Elliott Wheeler. 1995-1996. The Role of Various Cations in Settling and Dewatering of Biological Wastewater Treatment Sludges
37. Jon Treadway. 1995. Determination of Proteins in Activated Sludge Using Commercial Assays
38. Kevin Gilmore. Fall 1995: The Impact of Oximes on the Degree and Rate of Nitrification in Activated Sludge Cultures. Spring 1996: Evaluation of Chemical Oxidation as Pretreatment for Wastewaters Containing Aldicarb Oxime

Masters Students with Theses, Extensive Research Project, or Project Report

1. Julia Raneses. 2019 – current. Nutrient balances at the community scale.
2. Nick J. Lowe. 2018 – 2019. Toxicological monitoring of SWIFT effluent from Hampton Roads Sanitation District.

3. Avery Carlson. 2016 – 2018. Isolating and identifying comma-shaped nuisance bacteria in Traverse City's membrane bioreactor treatment system. (co-advised with Glen Daigger)
4. Enrique Rodriguez. 2016 – 2018. Plasma as a platform for advanced oxidation of urine to generate safe fertilizers (co-advised with Krista Wigginton)
5. Zixu Zhao. 2016-2017. Optimizing flushing to reduce microbial contamination of point-of-use filtered drinking water.
6. Andrea McFarland. 2015 – 2018. NSF Fellowship Recipient. Water quality benefits due to green infrastructure. (Co-advised with Larissa Larsen, Urban Planning). National Achievement: NSF Graduate Research Fellowship.
7. Samayyah Williams. 2014-2015. Modeling, understanding, and assessing technologies for the Detroit Water and Sewerage Department (DWSD) Wastewater Treatment Plant.
8. Nigel Beaton. 2014-2015. Low energy-demanding nitrogen removal from anaerobic effluents using biofilm technologies.
9. Anton Dapcic. 2013 -- 2014. A performance evaluation of the WASACTM energy recovery process.
10. Angelica Perez De La Rosa. 2010-2012. The impact of chlorinated phenols on the microbial ecology of point-of-use drinking water filters.
11. C. Davis Powell. 2011-2014. Evaluating the environmental impacts of urine source separation.
12. Chris Moline. 2010-2011. The fate of pharmaceuticals in microaerobic biological treatment processes.
13. Alexi Ernstoff. 2009 – 2011. The impact of culturing buffer on the ability of *Nitrosomonas europaea* to biotransform 17 α -ethinylestradiol. Current affiliation – Ph.D. student, Technical University of Denmark.
14. Sam Hardin. 2006-2011. The effectiveness of corrective action strategies on chemically stressed biological wastewater treatment systems. Current affiliation – environmental engineering consulting. National Achievement: WEFTEC Best Poster, 1st Place, 2008.
15. Romeo Capuno. 2005-2007. Modeling anaerobic ammonia oxidizing biofilms. Current affiliation – environmental engineering consulting.
16. Jason Beck. 2005-2007. Evaluating deammonification processes to achieve nitrogen removal from dairy waste. Current affiliation – environmental engineering consulting.
17. Jeremy Guest. 2005-2007. Laboratory testing of process controls for the mitigation of toxic shock events at enhanced biological phosphorus removal wastewater treatment plants. Current affiliation – Assistant Professor, University of Illinois.
18. Kaoru Ikuma. 2004-2007. The development of a bacterial biosensor designed to detect oxidative chemicals in water: correlating sensor relevance to mammalian brain cells and assessing bacterial cell immobilization strategies. Current affiliation – Assistant Professor, Iowa State University.
19. Mert Muftugil. 2004-2011. Enhanced Biological Phosphorus Removal of Dairy Manure using Sequencing Batch Reactors: Performance, Kinetics and Model Development. Current affiliation – environmental engineering consulting.
20. Anna Zaklikowski. 2004-2006. Evaluating the Effectiveness of Disinfection Strategies in the Inhibition and Inactivation of Ammonia Oxidizing Bacteria. Current affiliation – environmental engineering consulting.
21. Ka Man Chan. 2004-2005. Feasibility Study of In Situ Bioremediation of Bis(2-Chloroethyl) Ether and 1,2-Dichloroethane. Affiliation upon graduation – water utility.
22. Paul Sweetman. 2004-2005. Evaluating the Fate of Manure Nitrogen in Confined Dairy Waste Operations: A Full-Scale Waste Analysis and Start-up Protocol for an Anammox –Based Treatment Technology Applicable to Dairy Waste Management. Affiliation upon graduation – government position in Ireland.
23. Irina Chakraborty. (Degree from University of Helsinki, Finland) 2002-2005. Characterizing the Adaptation of a Subsurface Microbial Community using Biomolecular Tools (co-advised with Dr. Ann Stevens, Biology). Affiliation upon graduation – Ph.D. student in environmental microbiology.
24. Katharine Linares. 2002-2004. Development of a Biosensor for Detecting Toxic Electrophilic Chemicals in Waters. Current affiliation – environmental engineering consulting.

25. Jennifer Dauphinais. 2002-2003. Effects of Toxic Chemicals on Biological Wastewater Treatment Processes. Current affiliation – US government-based environmental services.
26. Rachelle Rhodes. 2002-2004. Subsurface Microbial Community Adaptation to Xenobiotic Influx. Current affiliation – environmental engineering consulting.
27. Susanna Leung. 2001-2003. Oxygen Transfer Efficiency in a Biological Aerated Filter (co-advised with John Little). Current affiliation – environmental engineering consulting.
28. Giacomo Sonzini. (Degree from Politecnico Di Milano, Italy) 2001. Investigation of K⁺ Efflux as Response to Intoxication for Nitrifying Activated Sludge. Affiliation upon graduating – financial analyst in Italy.
29. Kristina Yanosek (Biological Systems Engineering). 2000-2002. Enhanced Biological Phosphorus Removal from Dairy Manure to Meet Nitrogen and Phosphorus Crop Nutrient Requirements (co-advised with Dr. Mary Leigh Wolfe). Affiliation upon graduation – US Dept of Interior.
30. David Whichard. 2000-2001. Nitrogen Removal from Dairy Manure Wastewater Using Sequencing Batch Reactors. Affiliation upon graduating – environmental services in industry.
31. Kofi Asiedu. 2000-2001. Evaluating Biological Treatment Systems: I. Moving Bed Biofilm Reactor Versus Biological Aerated Filter. II. Sulfide-Induced Corrosion in Anaerobic Digester Gas Piping. Current affiliation – Engineer III, Prince William County, Virginia.
32. Melissa Fouratt (Biological Sciences). 1998-2001. Application of Molecular Techniques to the Characterization of a Nitrifying Bioaugmentation Culture (co-advised with Dr. Ann Stevens). Position upon graduation – pharmaceutical sales.
33. Scott Phipps. 1999-2001. Performance Evaluation and Yield Determination of a Full-Scale Biological Aerated Filter. Current affiliation – environmental engineering consulting.
34. Brian Brazil. 1999-2001. Evaluation of an Effluent Treatment Strategy to Control Nitrogen from a Recirculating Aquaculture Facility. Current affiliation – environmental engineering consulting.
35. Robert Wimmer. 1998-2001. Development of a Biosensor to Predict Activated Sludge Deflocculation and the Link Between Chlorination and Potassium Efflux. Current affiliation – environmental engineering consulting.
36. Arnaud Delahaye. 1997-1998. Distribution and Characteristics of Biomass in an Upflow Biological Aerated Filter. Affiliation upon graduation – Civil servant in France.
37. Karl Husovitz. 1997-1998. The Influence of Hydraulic Loading Rate on Nitrification Performance in a Two-Stage Biological Aerated Filter Pilot System. Current affiliation – environmental engineering consulting.
38. Kevin Gilmore. 1997-1999. Using Oligonucleotide Probes to Characterize Nitrification in a Two-Stage Pilot Plant Scale Biological Aerated Filter System. Current affiliation – Associate Professor, Bucknell University.
39. Jeff McGinnis. 1996-2003. Biodegradation and Dewatering of an Industrial Waste Oil. Current affiliation – environmental engineering consulting.
40. Jennifer Phillips. 1996-1997. Denitrification or Recirculating Aquaculture System Waters Using an Upflow Biofilter and a Fermented Substrate. Current affiliation – environmental engineering consulting.
41. Kristina Perri. 1996-1997. The Effectiveness of Multiple Redox Treatment Strategies on the Treatability of a High Strength Industrial Wastewater. Current affiliation – environmental engineering consulting.
42. James Drew Fettig. 1995-1998. A Study of the Patterns, Stoichiometry, and Kinetics of Microbial BTX Degradation Under Denitrifying Conditions by an Activated Sludge Consortium Receiving a Mixed Waste. Current affiliation – environmental engineering consulting.
43. Michelle Smith. 1995-1996. The Effect of Cation Addition on the Settling and Dewatering Properties of an Industrial Activated Sludge. Affiliation upon graduation – environmental engineering consulting in Canada.
44. Erika Lubkowitz (Bailey). 1995-1996. Biological Treatment Schemes for Preventing Oxime Inhibition of Nitrification. Current affiliation – environmental engineering consulting.

45. Patrick Brooks. 1995-1996. An Investigation of Temperature Effects on Denitrifying Bacterial Populations in a Biological Nutrient Removal System. Current affiliation – environmental engineering consulting.

Ph.D. Dissertations, Student Placement and Nationally Recognized Achievements by Mentees

1. Brittany Brown Hicks. 2019 – 2024 (anticipated). Project being defined. *National Achievement*: Ford Foundation Predoctoral Fellowship.
2. Alyssa Schubert. 2018 – 2023 (anticipated). Crowd-sourced water quality monitoring and community access to water monitoring.
3. Lucinda Li. 2018 – 2023 (anticipated). The impact of urine derived fertilizers on soil health (co-advised with Krista Wigginton).
4. Enrique Rodriguez. 2018 – 2022 (anticipated). Suspect screening, effect directed analysis and chemical risk of resource efficiency processes (co-advised with Krista Wigginton).
5. Hollie Adejumo. 2017 – 2022 (anticipated). The Toxicity and Transformation of Nitrogenated Disinfection Byproducts in the Human Gut (co-advised with Laura Rozek). *National Achievement*: NSF Graduate Research Fellowship.
6. Avery Carlson. 2018 – 2021 (anticipated). Project topic being developed (co-advised with Glen Daigger).
7. Brett Wagner. 2016 – 2021 (anticipated). Membrane aerated biofilm reactor technology (co-advised with Glen Daigger). *National Achievement*: NSF Graduate Research Fellowship.
8. Sara Troutman. 2015-2020. Integrated urban water infrastructure systems modeling at the green and grey infrastructure interface. (co-advised with Branko Kerkez). *Current Affiliation*: Xylem, Inc. *National Achievement*: NSF Graduate Research Fellowship.
9. Zerihun Bekele Alemayehu. 2015-2020. Use of sensor-mediated controls to achieve enhanced, low energy nitrogen removal during mainstream wastewater treatment. (Co-advised with Charles Bott, Hampton Roads Sanitation District). *Current Affiliation*: Engineer with BASF Corporation.
10. Chia-Chen Wu. 2013- 2018. Bacterial colonization of point-of-use (PoU) drinking water filters, selection of opportunistic pathogens and presence of antibiotic resistance genes. (Co-advised with Terese Olson). *Current Affiliation*: Postdoctoral Research Associate, Wayne State University
11. Heather Goetsch. 2014 –2018. Evaluating the benefits and risks of source separation as a nutrient management strategy. (Co-advised with Krista Wigginton). *Current Affiliation*: Department of Energy. *National Achievement*: AAAS Fellow with the Dept of Energy.
12. Jeseth Delgado-Vela. 2012 –2018. NSF Fellowship Recipient and Ford Foundation Fellow. Nitrogen and Sulfur Cycling During Wastewater Treatment. (Co-advised with Greg Dick). *Current Affiliation*: Assistant Professor, Howard University, Washington D.C. *National Achievements*: NSF Graduate Research Fellowship; Ford Foundation Fellowship; AEESP Conference Best Student Presentation.
13. Lauren Stadler. 2010 – 2015. Fate of trace contaminants in bacterial communities under low dissolved oxygen environments. *Current Affiliation*: Assistant Professor, Rice University, Houston. *National Achievement*: NSF Graduate Research Fellowship; 2016 CH2M/AEESP Best Dissertation Award; AEESP Conference Best Student Presentation.
14. Sherri M. Cook. 2008-2014. Sustainable Waste Management: Modeling and Decision Strategies for Unused Medications and Wastewater Solids (Co-advised with Steve Skerlos). *Current Affiliation*: Assistant Professor, University of Colorado, Boulder. *National Achievement*: NSF Graduate Research Fellowship
15. Jeremy S. Guest. 2007-2012. Sustainable design of wastewater treatment systems: Evaluations of operational flexibility and phototrophs for resource recovery. (Co-advised with Steve Skerlos). *Current Affiliation*: Associate Professor, University of Illinois, Urbana-Champaign. *National Achievements*: 2014 NSF CAREER Award Recipient; 2016 Paul L. Busch Award, Water Research Foundation.
16. Ameet J. Pinto. 2005-2009. Upset Events at Wastewater Treatment Plants: Implications for Mitigative Strategy Development and Bioreactor Microbial Ecology. *Current Affiliation*: Assistant Professor, Northeastern University, Boston. *National Achievements*: 2018 NSF CAREER Award Recipient; 2018 ISME/IWA Rising Star Bio Cluster Award; 2019 Paul L. Busch Award, Water Research Foundation .

17. Wendell Khunjar. 2004-2009. Elucidating Factors that Impact the Removal of Organic Microconstituents by Heterotrophic and Ammonia Oxidizing Bacteria. *Current Affiliation:* Hazen and Sawyer Consultants.
18. Martin Musabyimana. 2005-2008. Deammonification Process Kinetics and Inhibition Evaluation. *Current Affiliation:* East Bay Municipal Utility District, San Francisco, CA.
19. Kevin R. Gilmore. 2005-2008. Treatment of High-Strength Nitrogen Wastewater With a Hollow-Fiber Membrane-Aerated Biofilm Reactor: A Comprehensive Evaluation. *Current Affiliation:* Associate Professor, Bucknell University.
20. Jocelyn Fraga Muller. 2002-2006. The Role of Multidrug Efflux Pumps in the Stress Response of *Pseudomonas aeruginosa* to Organic Contamination. (Co-advised with Ann Stevens) *Current Affiliation:* Community College Instructor.
21. Ines D. S. Henriques. 2001-2006. The Response of Activated Sludge Cultures to Toxic Chemicals: Process Performance Effects, Role of Floc Structure, and Detection of Physiological Changes by Footprinting Methods. *Current Affiliation:* Business CEO, Portugal. *National Achievement:* WEFTEC Best Poster 1st Place, 2003.
22. Richard T. Kelly II. 2001-2005. Chemical Inhibition of Nitrification: Evaluating Methods to Detect and Characterize Inhibition and the Role of Selected Stress Responses Upon Exposure to Oxidative and Hydrophobic Toxins. *Current Affiliation:* Brown and Caldwell, Seattle, Washington.
23. R. David Holbrook. 2000-2003. The Role of Colloids in Defining the Fate of Endocrine System Disrupting Chemicals in Wastewater Treatment Systems (Co-advised with Dr. John Novak). *Current Affiliation:* Chief, Surface and Microanalysis Sciences Division, National Institute of Standards and Technology. *National Achievement:* 2010 PECASE (Presidential Early Career Award for Scientists and Engineers) recipient.
24. Charles B. Bott. 1997-2001. Elucidating the Role of Toxin-Induced Microbial Stress Responses in Biological Wastewater Treatment Process Upset. *Affiliation upon graduation:* environmental engineering consulting, then Assistant and Associate Professor at Virginia Military Institute. *Current Affiliation:* Director of Water Technology and Research, Hampton Roads Sanitation District, Virginia. *National Achievements:* Parsons Engineering Science/AEESP Doctoral Thesis Award; AEESP Fred Pohland Medal.
25. Guihua Ma. 1995-1999. The Kinetics, Biochemical Patterns, and Microbial Ecology in Multiredox Activated Sludge Systems Treating BTX Containing Wastewater. *Current Affiliation:* KCI, Inc., Baltimore, MD.

Post-Doctoral Research Associates

1. William Tarpeh, 2017-2018. Pharmaceutical transformation products through urine-derived fertilizer processing technologies. Co-advised with K. R. Wigginton. *Current Affiliation:* Assistant Professor of Chemical Engineering, Stanford University.
2. Rebecca Lahr, 2015-2016. Microbial fate in source-separated urine. Co-advised with K. R. Wigginton. *Prior Affiliation:* Assistant Professor, Michigan State University.
3. Dr. Kelly Martin. 2013 – 2015. Innovative, Low Energy Nitrogen Removal from Anaerobic Effluents. *Current Affiliation:* Black and Veatch, Inc.
4. Dr. Sudeshna Ghosh. 2008-2012. Chemical stressor-induced antibiotic resistance. *Current Affiliation:* Self Employed.
5. Dr. Kartik Chandran. 2004-2005. Chemical stress mechanisms in nitrifying bacteria. *Current Affiliation:* Associate Professor, Columbia University. *National Achievements:* NSF CAREER Award recipient; 2015 MacArthur Fellow; 2010 Paul L. Busch Award, Water Research Foundation.
6. Dr. Jane Duncan. 1998-1999. Heat shock protein expression in response to chemical stress in activated sludge. *Current Affiliation:* Research Scientist, Dept of Biochemistry, Virginia Tech.
7. Dr. Kathy Terlesky. 1996-1997. Heat shock protein expression in response to chemical stress in activated sludge. *Current Affiliation:* Vice President, Division Manager, SAIC, Inc., Charlottesville, Virginia.

PUBLICATIONS

Textbooks

1. Grady, C. P. L. Jr., G. T. Daigger, N. G. Love and C. Filipe. 2011. *Biological Wastewater Treatment*, 3rd Edition, Taylor and Francis Publishers.

Peer-Reviewed Journal Articles (undergraduate students; graduate students; post-doctoral research associates; *corresponding or senior author)

2. Wigginton, K. R., P. J. Arts, H. Clack, W. J. Fitzsimmons, M. Gamba, K. R. Harrison, W. LeBar, A. S. Luring, L. Li, W. W. Roberts, N. Rockey, J. Torreblanca, C. Young, L. G. Anderegg, A. M. Cohn, J. M. Doyle, C. M. Meisenholder, L. Raskin, N. G. Love*, and K. S. Kaye*. 2021. Validation of N95 filtering facepiece respirator decontamination methods available at a large university hospital. *Open Forum Infectious Diseases*. Accepted. DOI: 10.1093/ofid/ofaa610.
3. Delgado-Vela, J., L. A. Bristow, H. K. Marchant, N. G. Love and G. J. Dick*. 2021. Sulfide alters microbial functional potential in a methane and nitrogen cycling biofilm reactor. *Environmental Microbiology*. Accepted.
4. Hilton*, S., G. Keoleian, G. T. Daigger, B. Zhou, N. G. Love. 2021. Life-cycle assessment of urine diversion and conversion to fertilizer products at the city scale. *Environmental Science & Technology*. 55:593-603.
5. Anderegg, L., J. Doyle, M. L. Gardel, A. Gupta, C. Hallas, Y. Lensky, N. G. Love, B. A. Lucas, E. Mazenc, C. Meisenholder, A. Pillarsetti, D. Ranard, A. H. Squires, J. Vechakul, N. B. Vilas, S. Williams, D. Wilson, *Chen, T., and the N95DECON consortium. 2021. Heat and humidity for bioburden reduction of N95 filtering facepiece respirators. *Applied Biosafety*. In press. DOI:10.1089/apb.20.0053.
6. Rockey, N., P. J. Arts, L. Li, K. R. Harrison, K. Langenfeld, W. J. Fitzsimmons, A. S. Luring, N. G. Love, K. S. Kaye, L. Raskin, W. W. Roberts, B. Hegarty, K. R. Wigginton*. 2020. Humidity and deposition solution play a critical role in virus inactivation by heat treatment on N95 respirators. *mSphere*. 5(5):e00588-20. DOI:10.1128/mSphere.00588-20.
7. Admassu Abate, T., A. F. Desta, F. Assefa, N. G. Love*. 2020 The performance of an Ethiopian tannery wastewater treatment system based on chemical and microbiological water quality. *Water Environment Research*. In press. DOI:10.1002/wer.1364.
8. Segrè Cohen*, A., N. G. Love, J. Árvai. 2020. Communicating the risks and benefits of human urine-derived fertilizer. *Sustainability*. 12(23): 9973. DOI:10.3390/su12239973.
9. Troutman, S. C., N. G. Love and B. Kerkez*. 2020. Balancing water quality and flows in combined sewer systems using real-time control. *Environmental Science: Water Research & Technology*. 6:1357-1369. DOI: 10.1039/c9ew00882a.
10. Schreiber*, T., S. Opperman, K. Nace, A. N. Pallmeyer, N. Love and R. Hardin. 2020. Leveraging integrative research for inclusive innovation: urine diversion and re-use in agriculture. *Elementa Science of the Anthropocene*. 8:12. doi.org/10.1525/elementa.408
11. Cohen, A. S.*, N. G. Love, K. K. Nace and J. Arvai. 2020. Consumers' acceptance of agricultural fertilizers derived from diverted and recycled human urine. *Environmental Science & Technology*. 54(8):5297-5305. DOI:10.1021/acs.est.0c00576.
12. Carlson, A. L., G. T. Daigger*, N. G. Love and E. Hart. 2020. Multi-year diagnosis of unpredictable fouling occurrences in a full-scale membrane bioreactor. *Water Science and Technology*. 82(3):524-536. DOI: 10.2166/wst.2020.354.
13. Bekele, Z. A., J. Delgado Vela, C. B. Bott, N. G. Love*. 2020. Sensor-mediated granular sludge reactor for nitrogen removal and reduced aeration demand using a dilute wastewater. *Water Environment Research*. 92(7):1006-1016. DOI: 10.1002/wer.1296. Honor: Editor selected for issue cover art
14. Goetsch, H. E., N. G. Love, K. R. Wigginton*. 2020. Fate of extracellular DNA in the production of fertilizers from source-separated urine. *Environmental Science & Technology*. 54 (3):1808-1815. DOI:10.1021/acs.est.9b04263.
15. Brown, M., F. Karimova, N. Love, K. Pagilla, C. Bott, Z. He, B. Liner and S. Merther. 2020. University-utility partnerships: Best practices for water innovation and collaboration. *Water Environment Research*. 92(3):314-319. DOI:10.1002/wer.1252.

16. Brouwer, A. F., M. C. Eisenberg, N. G. Love, J. N. S. Eisenberg*. 2019. Phenotypic variations in persistence and infectivity between and within environmentally transmitted pathogen populations impact population-level epidemic dynamics. *BMC Infectious Diseases*, 19(1):449-461. DOI:10.1186/s12879-019-4054-8.
17. Daigger*, G. T., S. Sharvelle, M. Arabi, N. G. Love. 2019. Progress and Promise Transitioning to One Water/Resource Recovery Integrated Urban Water Management Systems. *Journal of Environmental Engineering*. 145 (10), 10 pages. DOI: 10.1061/(ASCE)EE.1943-7870.0001552. *Recipient of the ASCE Wesley W. Homer Award*.
18. McFarland, A. R., L. Larsen*, K. Yeshitela, A. N. Engida and N. G. Love. 2019. Guide for using green infrastructure in urban environments for stormwater management. *Environmental Science: Water Research & Technology*, 5(4):643-659. DOI:10.1039/C8EW00498F.
19. Liang, S., S. Qu, Q. T. Zhao, X. L. Zhang, G. T. Daigger, J. P. Newell, S. A. Miller, J. X. Johnson, N. G. Love, L. X. Zhang, Z. F. Yang, M. Xu*. 2019. Quantifying the urban food-energy-water nexus: The case of the Detroit Metropolitan Area. *Environmental Science & Technology*, 53(2):779-788. DOI:10.1021/acs.est.8b06240.
20. Stadler, L. B. and N. G. Love*. 2019. Oxygen half-saturation constants for pharmaceuticals in activated sludge and microbial community activity under varied oxygen levels. *Environmental Science & Technology*. 53(4):1918-1927. DOI:10.1021/acs.est.8b06051.
21. Delgado Vela, J., G. J. Dick and N. G. Love*. 2018. Sulfide inhibition of nitrite oxidation in activated sludge depends on microbial community composition. *Water Research*. 138:241-249, DOI:10.1016/j.watres.2018.03.047.
22. Byrne, B. G., S. McColm, S. P. McElmurry, P. E. Kilgore, J. Soback, R. Sadler, N. G. Love, M. S. Swanson*. 2018. Prevalence of infection-competent serogroup 6 *Legionella pneumophila* within premise plumbing in Southeast Michigan. *mBio*, 9(1): DOI: 10.1128/mBio.00016-18.
23. Zahran, S., S. P. McElmurry, P. E. Kilgore, D. Mushinski, J. Press, N. G. Love, R. C. Sadler, M. S. Swanson*. 2018. Assessment of the Legionnaires' Disease Outbreak in Flint, Michigan. *Proceedings of the National Academy of Sciences USA*, 115(8):E1730-E1739. DOI: 10.1073/pnas.1718679115.
24. Goetsch, H. E., L. B. Zhao, M. Gnagy, M. J. Imperiale, N. G. Love, K. R. Wigginton*. 2018. The fate of urinary tract virus BK human polyomavirus in source-separated urine. *Applied and Environmental Microbiology*, 84(7): DOI:10.1128/AEM.02374-17.
25. Stadler, L. B.†, J. Delgado Vela†, S. Jain, G. J. Dick, and N. G. Love*. 2017. Elucidating the impact of microbial community biodiversity on pharmaceutical biotransformation during wastewater treatment. *Microbial Biotechnology*, 11(6):995-1007. DOI: 10.1111/1751-7915.12870. †These authors contributed equally to this work.
26. Mullen, R. A., K. R. Wigginton, A. Noe-Hays, K. Nace, N. G. Love, C. B. Bott and D. S. Aga*. 2017. Optimizing extraction and analysis of pharmaceuticals in human urine, struvite, food crops, soil, and lysimeter water by liquid chromatography-tandem mass spectrometry. *Analytical Methods*. 9(41):5952-5962.
27. Troutman, S. C., N. Schambach, N. G. Love and B. Kerkez*. 2017. A self-calibrating framework for the sensor-driven and dynamical modeling of combined sewer systems. *Water Research*, 126:88-100. DOI: 10.1016/j.watres.2017.08.065
28. Wu, C.-C., S. Ghosh, K. J. Martin, A. J. Pinto, V. J. Denef, T. M. Olson, N. G. Love*. 2017. The microbial colonization of activated carbon block point-of-use (PoU) filters with and without chlorinated phenol disinfection byproducts. *Environmental Science: Water Research & Technology*, 3(5):830-843. DOI: 10.1039/C7EW00134G.
29. Cook, S.M., S. J. Skerlos, L. M. Raskin and N. G. Love*. 2017. A sustainability assessment tool for anaerobic digestion. *Water Research*. 112:19-28.
30. Daigger*, G. T., J. Sandino, S. Murthy, N. G. Love. 2017. Transforming environmental engineering and science education, research and practice. *Environmental Engineering Science*, 34(1):42-50.
31. Lahr, R.H., H. E. Goetsch, S. J. Haig, A. Noe-Hays, N. G. Love, D. S. Aga, C. B. Bott, B. Foxman, J. Jimenez, T. Luo, K. Nace, K. Ramadugu and K. R. Wigginton*. 2016. Urine bacterial community

- convergence through fertilizer production: storage, pasteurization, and struvite precipitation. *Environmental Science and Technology*, 50(21):11619-11626.
32. Lester, Y., D. Aga, N. G. Love, R. Singh, I. Morrissey and K. Linden*. 2016. Integrative advanced oxidation and biofiltration for treating pharmaceuticals in wastewater. *Water Environment Research*. 88(11):1985-1993. DOI:10.2175/106143016X14504669767454
 33. Stadler, L. B. and N. G. Love*. 2016. Impact of microbial physiology and microbial community structure on pharmaceutical fate driven by dissolved oxygen concentration in nitrifying bioreactors. *Water Research*, 104:189-199. DOI: 10.1016/j.watres.2016.08.001
 34. Keen, O., N. G. Love, D. S. Aga and K. Linden*. 2016. Biodegradability of iopromide products after UV/H2O2 advanced oxidation. *Chemosphere*, 144:989-994.
 35. Delgado Vela, J., L. B. Stadler, K. J. Martin, L. Raskin, C. B. Bott and N. G. Love*. 2015. Prospects for biological nitrogen removal from anaerobic effluents during mainstream wastewater treatment. *Environmental Science and Technology Letters*, 2(9):234-244. DOI: 10.1021/acs.estlett.5b00191.
 36. Muller, J. F., S. Ghosh, K. Ikuma, A. M. Stevens and N. G. Love*. 2015. Chlorinated phenol-induced physiological antibiotic resistance in *Pseudomonas aeruginosa*. *FEMS Microbiology Letters*, 362(21):fnv172, DOI: 10.1093/femsle/fnv172.
 37. Jimenez*, J., C. Bott, N. Love, and J. Bratby. 2015. Source separation of urine as an alternative solution to nutrient management in biological nutrient removal treatment plants. *Water Environment Research*. 87(12):2120-2129. DOI:10.2175/106143015X14212658613884.
 38. Singh, R., Y. Lester, K. Linden, N. G. Love, G. Ekin Atilla-Gokcumen, D. S. Aga*. 2015. Application of metabolite profiling tools and time-of flight mass spectrometry in the identification of transformation products of iopromide and iopamidol during advanced oxidation. *Environmental Science and Technology*, 49(5):2983-2990.
 39. Stadler, L. B., L. Su, C. J. Moline, A. S. Ernstoff, D. S. Aga, and N. G. Love*. 2015. Effect of redox conditions on pharmaceutical loss during biological wastewater treatment using sequencing batch reactors. *Journal of Hazardous Materials*, 282:106-115. DOI/10.1016/j.jhazmat.2014.08.002
 40. Smith†, A. L., L. B. Stadler†, L. Cao, N. G. Love, L. Raskin, and S. J. Skerlos*. 2014. Navigating wastewater energy recovery strategies: A life cycle comparison of anaerobic membrane bioreactor and conventional treatment systems with anaerobic digestion. *Environmental Science and Technology*, 48:5972-5981. DOI/10.1021/es5006169. †These authors contributed equally to this work.
 41. Syed, A. K., S. Ghosh, N. G. Love, B. R. Boles*, 2014. Triclosan promotes *Staphylococcus aureus* nasal colonization, *mBio*, 5(2):e01015-13. doi:10.1128/mBio.01015-13.
 42. Orfield, Nolan D., G. A. Keoleian* and N. G. Love. 2014. A GIS-based national assessment of algal bio-oil production potential through flue gas and wastewater co-utilization. *Biomass and Bioenergy*, 63:76-85.
 43. Cloutier, L., J.-M. Choubert, F. Cloutier, R. Goel, N. G. Love, H. Melcer, C. Ort, D. Patureau, B. G. Plósz, M. Pomiès and P. A. Vanrolleghem*. 2013. Perspectives on modeling micropollutants in wastewater treatment plants. *Water Science and Technology*. 68(2):448-461. DOI/10.2166/wst.2013.272.
 44. Guest, J., M.C.M vanLoosdrecht, S. J. Skerlos and N.G. Love*. 2013. A lumped pathway metabolic model of organic carbon accumulation and mobilization by the alga *Chlamydomonas reinhardtii*. *Environmental Science and Technology*, 47:3258-3267. DOI/10.1021/es304980y.
 45. Gilmore*, K.R., A. Terada, B. F. Smets, S. Lackner, J. L. Garland, and N. G. Love. 2013. Autotrophic nitrogen removal in a membrane-aerated biofilm reactor under continuous aeration: A demonstration. *Environmental Engineering and Science*, 30(1):38-45. DOI: 10.1089/ees.2012.0222.
 46. Smith, A. L., L. B. Stadler, N. G. Love, S. Skerlos, and L. Raskin*. 2012. Perspectives on anaerobic membrane bioreactor treatment of domestic wastewater: A critical review. *Bioresource Technology*, 122 (Special Issue, SI):149-159. DOI: 10.1016/j.biortech.2012.04.055
 47. Pinto, A.J. and N. G. Love*. 2012. Bioreactor function under perturbation scenarios is affected by interactions between bacteria and protozoa. *Environmental Science and Technology*, 46(14):7558-7566. DOI: 10.1021/es301220f

48. Keen, O., N. G. Love, and K. G. Linden*. 2012. The role of effluent nitrate in contaminant oxidation during UV disinfection. *Water Research*, 46(16):5224-5234. DOI:10.1016/j.watres.2012.06.052
49. Keen, O. S., S. Baik, K. G. Linden*, D. S. Aga and N. G. Love. 2012. Enhanced biodegradation of carbamazepine after UV/H₂O₂ advanced oxidation. *Environmental Science and Technology*, 46:6222-6227. DOI: 10.1021/es300897u.
50. Cook, S. M., B. J. VanDuinen, N. G. Love and S. J. Skerlos*. 2012. Life cycle comparison of environmental emissions from three disposal options for unused pharmaceuticals. *Environmental Science and Technology*, 46 (10):5535-5541. DOI: 10.1021/es203987b
51. R. Mesfioui, N. G. Love, D. A. Bronk, M. R. Mulholland, P. G. Hatcher*. 2012. Reactivity and chemical characterization of effluent organic nitrogen from wastewater treatment plants determined by Fourier transform ion cyclotron resonance mass spectrometry. *Water Research*, 46(3):622-634. DOI:10.1016/j.watres.2011.11.022
52. Lamp*, J. L., J. S. Guest†, S. Naha, K. A. Radavich, N. G. Love*, M. W. Ellis* and I. K. Puri. 2011. Flame synthesis of carbon nanostructures on stainless steel anodes for use in microbial fuel cells. *Journal of Power Sources*, 196(14):5829-5834. † These authors contributed equally to this work.
53. Khunjar, W. O., S. A. Mackintosh, J. Skotnicka-Pitak, S. Baik, D. S. Aga, N. G. Love*. 2011. Elucidating the relative roles of ammonia oxidizing and heterotrophic bacteria during the biotransformation of 17 α -ethinylestradiol and trimethoprim. *Environmental Science and Technology*, 45(8):3605-3612. DOI:10.1021/es1037035.
54. Ghosh, S., C. M. Cremers, U. Jakob, and N. G. Love*. 2011. Chlorinated phenols control the expression of the multi-drug resistance efflux pump MexAB-OprM in *Pseudomonas aeruginosa* by activating NaIC. *Molecular Microbiology*, 79(6):1547-1556. DOI:10.1111/j.1365-2958.2011.07544.x.
55. Filippino*, K. C., M. R. Mulholland, P. W. Bernhardt, G. E. Boneillo, R. E. Morse, M. Semcheski, H. Marshall, N. G. Love, Q. Roberts and D. A. Bronk. 2011. Bioavailability of effluent-derived organic nitrogen along an estuarine salinity gradient. *Estuaries and Coasts*. 34:269-280.
56. Zhao, Z., K. F. Knowlton*, N. G. Love, and J. A. Ogejo. 2011. Estrogen removal from dairy manure by pilot-scale treatment reactors. *Transactions of the American Society of Agricultural and Biological Engineers (ASABE)*. 53(4):1295-1301.
57. Khunjar, W. O. and N. G. Love*. 2011. Sorption of carbamazepine, 17 α -ethinylestradiol, iopromide and trimethoprim to biomass involves interactions with exocellular polymeric substances. *Chemosphere*, 82:917-922, doi:10.1016/j.chemosphere.2010.10.046.
58. Ghosh, S. and N. G. Love*. 2011. Molecular diversity of algae assemblages at wastewater treatment plants. *Bioresour. Technology*, 102: 3619-3622.
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Reviews, Discussions, Editorials and General Technical News Pieces

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Refereed Conference Presentations (presenter in bold)

145. Hicks, B., C. C. Wu, M. B. Perri, Z. Zhao, M. Zervos, S. P. McElmurry, N. G. Love. Isolating and characterizing *Stenotrophomonas maltophilia* from drinking water point-of-use filters in an aged distribution system. Poster presentation. International Water Association Microbial Ecology of Water Engineering (MEWE) Biannual Conference, Hiroshima, Japan, November 17-20, 2019.
146. Love, N. G. The International Water Association Specialists Group on Environmental Engineering Education: History and Background. Podium Presentation for pre-conference workshop. International Water Association Microbial Ecology of Water Engineering (MEWE) Biannual Conference, Hiroshima, Japan, November 17-20, 2019
147. Love, N.G., A. Noe-Hays, D. Aga, J. Arvai, A. Cohen, G. Daigger, A. Davis, R. Dickman, R. Hardin, S. Hilton, G. Keoleian, L. Li, N. Lowe, R. Mullen, K. Nace, E. Rodriguez, T. Schreiber, S. Skerlos, W. Tarpeh, K. Wigginton. Achieving Nutrient Resource Efficiency through Urine Separation, Processing and Reuse: A Comprehensive Study. Podium Presentation. 3rd IWA Resource Recovery Conference, Venice, Italy, September 2019.
148. Carma Lewis*, Elizabeth Burtch*, Nick J. Lowe, Audrey Rose Zarb, Alyssa Schubert, Janée Rankin*, Lydia Starrs*, Rochelle Kelly*, Richard Kelley*, Alyssa Schubert, Enrique Rodriguez, Lucinda Li, Audrey Pallmeyer, Shawn P. McElmurry, Nancy G. Love (*community collaborators from Flint, Ms. Lewis and Ms. Schubert gave the talk). Community-driven Train-the-Trainers program for point-of-use

- filter maintenance in communities affected by drinking water lead contamination. Podium Presentation. Association of Environmental Engineering and Science Professors Biannual Conference, Arizona State University, Tempe, Arizona. May 15-16, 2019.
149. **Tarpeh, W., Y. Du, C. Carpenter, D. Helbling, N. G. Love, K. R. Wigginton.** Suspect screening of pharmaceuticals during urine treatment processes. Podium Presentation. Association of Environmental Engineering and Science Professors Biannual Conference, Arizona State University, Tempe, Arizona. May 15-16, 2019.
 150. **Goetsch, H., L. Li, N. G. Love and K. R. Wigginton.** Understanding microbial agents in source-separated urine for the production of urine-derived fertilizers. Podium Presentation. Association of Environmental Engineering and Science Professors Biannual Conference, Arizona State University, Tempe, Arizona. May 15-16, 2019.
 151. **A. Noe-Hays, A. Davis, N. J. Lowe, J. Eraci, Y. J. Ooi, A. Sabido, K. Nace, E. Rodriguez, K. Wigginton, N. Love.** Onsite production of concentrated urine-derived fertilizer in building-scale systems using remote process monitoring and control. Poster Presentation. Association of Environmental Engineering and Science Professors Biannual Conference, Arizona State University, Tempe, Arizona. May 15-16, 2019.
 152. **Kerkez, B., N. G. Love, R. L. McCaffery, M. Bartos, J. Montgomery, E. TerBeek.** A First Year College Course on Smart Water Systems. Poster Presentation. Association of Environmental Engineering and Science Professors Biannual Conference, Arizona State University, Tempe, Arizona. May 15-16, 2019.
 153. **Cohen, A. S., N. G. Love, J. Árvai.** Consumers' preferences and perceptions regarding the use of urine-derived fertilizer for domestic agriculture. Poster Presentation. Association of Environmental Engineering and Science Professors Biannual Conference, Arizona State University, Tempe, Arizona. May 15-16, 2019.
 154. **Pallmeyer, A. and N. G. Love.** Achieving Resource Efficiency with Resource Recovery: Introduction the NSF INFEWS Project on Urine-Derived Fertilizers. Podium Presentation. 91st Annual Water Environment Federation Technical Exhibition and Conference, New Orleans, LA, October 1-3, 2018.
 155. **Bekele, Z., J. Delgado Vela, C. B. Bott, N. G. Love.** Sensor-mediated Control for Aerobic Granular Sludge Process Treating Mainstream Anaerobic Effluent. Podium presentation. 91st Annual Water Environment Federation Technical Exhibition and Conference, New Orleans, LA, October 1-3, 2018.
 156. **Troutman, S.C., N. G. Love and B. Kerkez.** Evaluating market-based algorithms for system-level TSS control. 13th International Conference on Hydroinformatics. Palermo, Italy, July 1-6, 2018.
 157. **Troutman, S. C., N. G. Love and B. Kerkez.** Market-based real-time control of TSS across large sewer systems. World Environmental & Water Resources Congress, EWRI. Minneapolis, MN, USA. June 3-7, 2018.
 158. **Tarpeh, W., D. S. Aga, N. G. Love, K. Wigginton.** Assessing Risks from Pharmaceuticals and Transformation Products in Urine-Derived Fertilizers. Podium presentation. American Chemical Society Annual Meeting. New Orleans, LA. March 2018.
 159. **Troutman, S.C., N. G. Love and B. Kerkez.** Evaluating market-based algorithms for system-level TSS control. Podium presentation. 13th International Conference on Hydroinformatics. Palermo, Italy, July 1-6, 2018.
 160. **Wagner, B., G. T. Daigger, N. G. Love.** Partial nitrification/anammox membrane aerated biofilm reactor for nitrogen removal from aerobic secondary effluent. Podium presentation. Water Environment Federation Nutrient Removal and Recovery Conference, Raleigh North Carolina, June 18-21, 2018. Presentation with associated conference paper.
 161. **Love, N. G., A. Noe-Hays, K. R. Wigginton, L. Macpherson, D. S. Aga, C. B. Bott, G. T. Daigger, A. P. Davis, J. Eisenberg, A. Gagnon, Z. Getaneh, H. Goetsch, P. Gooding, R. Hardin, S. Hilton, J. Jimenez, G. Keoleian, N. J. Lowe, W. Mui, R. Mullen, K. Nace, A. Pallmeyer, N. Patel, D. Raye-Leonard, E. E. Rodriguez, T. Schreiber, A. Sinanaj, W. Tarpeh, R. Wombacher, B. Zhou.** Advancing Nutrient Recovery through Urine-Derived Fertilizers (UDF) in the United States. Podium presentation. Water

- Environment Federation Nutrient Removal and Recovery Conference, Raleigh North Carolina, June 18-21, 2018. Presentation with associated conference paper.
162. **Troutman, S. C., N. G. Love and B. Kerkez.** Market-based real-time control of TSS across large sewer systems. Podium presentation. World Environmental & Water Resources Congress, EWRI. Minneapolis, MN, USA. June 3-7, 2018.
 163. **Rodriguez, E., W. Tarpeh, H. Clack, N. G. Love, K. Wigginton.** 2018. Degradation of pharmaceuticals in synthetic urine treated with plasma. Poster Presentation. American Chemical Society Meeting, New Orleans, LA, March 18-22, 2018.
 164. **Zerihun A. Bekele, Imre Takacs, Charles B. Bott, and Nancy G. Love.** Harnessing biofilm models to advance nitrogen removal from mainstream anaerobic wastewater treatment processes. Poster presentation. WRRMod2018 conference, Quebec, Canada, March 2018.
 165. **Tarpeh, W., D. S. Aga, N. G. Love, K. Wigginton.** Assessing Risks from Pharmaceuticals and Transformation Products in Urine-Derived Fertilizers. Podium presentation. American Chemical Society Annual Meeting. New Orleans, LA. March 2018.
 166. **Carlson, A., N. G. Love, G. T. Daigger and E. Hart.** Trouble-shooting long-term biofouling in full-scale membrane bioreactor. International Water Association Young Water Professionals Conference, South Africa. December 10-14, 2017.
 167. **Goetsch, H.E., Love, N.G., Imperiale, M.J., Wigginton, K.** Fate of Human BK polyomavirus through urine diverted for fertilizer. 2nd International Resource Recovery Conference: New York City, NY, USA August 5-9, 2017.
 168. **Delgado Vela, J., Dick, Gregory J., Love, N.G.** The Impact of Sulfide on Nitrification: Implications for Nitrification Processes. Fifth International Conference on Nitrification and Related Processes (ICoN5): Early Career and Graduate Student Workshop. Vienna, Austria, July 23-27, 2017.
 169. **Zerihun A. Bekele, Jeseth Delgado Vela, Kelly J. Martin, Charles B. Bott, and Nancy G. Love.** Using sensor-mediated control and modeling to develop an aerobic granular sludge technology for low energy nitrogen. Podium presentation. AEESP Biannual Conference, Ann Arbor, Michigan, June 20-22, 2017.
 170. **Troutman, S. C., N. G. Love, B. Kerkez.** 2017. Controlling a Sewer Network as an Extension of the Wastewater Treatment Plant. Podium presentation. AEESP Biannual Conference, Ann Arbor, Michigan, June 20-22, 2017
 171. **Chia-Chen Wu, Katie Stroh, Shawn P. McElmurry, Terese M. Olson, and Nancy G. Love.** Understanding the transmission of planktonic and sessile bacteria across point-of-use (PoU) filters. Podium presentation. AEESP Biannual Conference, Ann Arbor, Michigan, June 20-22, 2017
 172. **Delgado Vela, J., Dick, Gregory J., Love, N.G.** Managing Healthy Activated Sludge Communities: Understanding the Impact of Sulfide on Nitrogen Removal. Podium presentation. AEESP Biannual Conference, Ann Arbor, Michigan, June 20-22, 2017
 173. **Bekele, Z. A., Jeseth Delgado Vela, Kelly J. Martin, Charles B. Bott, and Nancy G. Love.** Aerobic granular sludge process optimization and modeling for mainstream anaerobically treated wastewater. Poster presented at IWA Biofilm Reactors Conference, Dublin. Ireland, May 2017
 174. **Troutman, S. C., N. G. Love, B. Kerkez.** 2017. Understanding Combined Sewer Flow Dynamics through Data-Driven Modeling. World Environmental & Water Resources Congress, EWRI. Sacramento, CA, USA. May 21-25 2017.
 175. **Zerihun A. Bekele, Jeseth Delgado Vela, Kelly J. Martin, Charles B. Bott, and Nancy G. Love.** Aerobic granular sludge process optimization and modeling for mainstream anaerobically treated wastewater. Poster presented at IWA Biofilm Reactors Conference, Dublin. Ireland, May 2017
 176. **Goetsch, H., M. Imperiale, N. G. Love, K. R. Wigginton.** 2017. Fate of human polyomavirus in urine diverted for fertilizer use. American Chemical Society 253rd National Meeting, San Francisco, CA, April 2017.

177. **Goetsch, H., M. Imperiale, N. G. Love, K. R. Wigginton.** Refining liquid gold: Fate of human polyomavirus in urine diverted for fertilizer use. Oral presentation. Borchardt conference, Ann Arbor, Michigan, February 2017.
178. **Troutman, S., N. G. Love, B. Kerkez.** Use of Real-Time Sensor Data in City-Scale Water Modeling. Poster presentation presented at two different conferences: Borchardt conference, Ann Arbor, Michigan, February 2017; and CUAHSI Biennial Symposium
179. **Zhao, Z., M. P. Runho, C.-C. Wu, A. Zarb, T. M. Olson, S. P. McElmurry, and Nancy G. Love.** 2017 Effect of flushing on microbiological quality of water effluent from point-of-use filters. Poster presentation, Borchardt conference, Ann Arbor, Michigan, February 2017.
180. **Alemayehu, Z., C. B. Bott and N. G. Love.** 2017. Achieving nitrogen removal from mainstream anaerobically treated wastewater using aerobic granular sludge with low aeration rate. Poster presentation, Borchardt conference, Ann Arbor, Michigan, February 2017.
181. **Delgado Vela, J., Z. A. Bekele, A. McFarland, A. Arcelay, K. J. Martin, C. B. Bott, G. J. Dick and N. G. Love.** 2016. The membrane aerated biofilm reactor for nitrogen removal from mainstream anaerobic processes. 89th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), New Orleans, LA, Sept 25-28, 2016.
182. **Desta, A. F., N. G. Love, K. R. Wigginton, H. Goetsch and R. Lahr.** 2016. Keynote lecture: Metagenomic analysis of biological contaminants in source-separated urine undergoing sanitization.: A way towards sustainable development in low-income countries. Microbial Ecology and Biofilm Specialists Conference, Copenhagen, Denmark, Sept 3-5, 2016.
183. **Stadler, L. and N. G. Love.** 2016. Associations between microbial community activity, pharmaceutical biotransformation rates, and DO concentration in wastewater treatment. Microbial Ecology and Biofilm Specialists Conference, Copenhagen, Denmark, Sept 3-5, 2016.
184. **Goetsch, H., M. Imperiale, N. G. Love and K. R. Wigginton.** 2016. Refining liquid gold: Fate of human polyomavirus in urine diverted for fertilizer use. Microbial Ecology and Biofilm Specialists Conference, Copenhagen, Denmark, Sept 3-5, 2016.
185. **Wu, C.-C., T. M. Olson and N. G. Love.** 2016. Prevalence of Antibiotic Resistance Genes (ARGs) in Point-of-Use (PoU) Drinking Water Filters. Microbial Ecology and Biofilm Specialists Conference, Copenhagen, Denmark, Sept 3-5, 2016.
186. **Troutman, S., N. G. Love, B. Kerkez.** 2016. Predicting combined sewer flow through use of real-time, city-scale sensor data. Oral presentation, World Environmental and Water Resources Congress, ASCE, West Palm Beach, Florida, May 2016.
187. **Goetsch, H., R. Mullen, R. Lahr, A. Noe-Hays, D. Aga, C. Bott, B. Foxman, J. Jimenez, N. Love, T. Luo, K. Nace, K. Ramadugu, K. Wigginton.** 2015. Fate of pharmaceutical and biological contaminants through the preparation and application of urine derived fertilizers. International Water Association First Resource Recovery Conference. Ghent, Belgium, Aug 30-Sept 2, 2015.
188. **Delgado Vela, J., Martin, K. J., McFarland, A., Beaton, N., Stadler, L.B., Skerlos, S.J., Raskin, L., Bott, C. B., Love, N.G.** Removing nitrogen from effluents of anaerobic wastewater treatment processes: Understanding control and operation through biofilm modeling. 250th American Chemical Society National Meeting and Exhibition. Boston, MA, August 16-20, 2015. (podium).
189. **Delgado Vela, J., K. J. Martin, A. R. McFarland, N. L. Beaton, L. B. Stadler, C. B. Bott, L. Raskin, S. J. Skerlos, N. G. Love, A. Salvesson, T. Rauch-Williams.** 2015. Advancing energy neutral wastewater treatment: removing nitrogen and dissolved methane from dilute anaerobic effluents. AEESP Biannual Conference, Yale University, June 14-16 (poster presentation).
190. **Stadler, L. B., J. Delgado Vela and N. G. Love.** 2015. Elucidating the relationship between wastewater treatment plant microbial diversity and pharmaceutical fate. AEESP Biannual Conference, Yale University, June 14-16 (podium presentation), *winner of best student paper award*.
191. **Goetsch, H., R., Lahr, R. Mullen, A. Noe-Hays, D. Aga, C. B. Bott, J. Jimenez, N. G. Love, K. Nace and K. Wigginton.** 2015. Fate of organic contaminants in urine-derived fertilizers. AEESP Biannual Conference, Yale University, June 14-16 (poster presentation).

192. **Lahr, R., H., Goetsch, A. Noe-Hays, D. Aga, C. B. Bott, B. Foxman, J. Jimenez, N. G. Love, T. Luo, R. Mullen, K. Nace, K. Ramadugu and K. Wigginton.** 2015. Microbial communities in urine separated for nutrient recovery. AEESP Biannual Conference, Yale University, June 14-16 (poster presentation).
193. **Stadler, L. B., J. Delgado Vela and N. G. Love.** 2015. Elucidating the relationship between wastewater treatment plant microbial diversity and pharmaceutical fate. American Society for Microbiology, New Orleans, LA, May 30-June 2 (Poster Presentation).
194. **Goetsch, H., R. Lahr, A. Desta, N. G. Love, C. Bott, A. Gagnon, K. Nace, A. Noe-Hays, D. S. Aga, R. Mullen, J. Jimenez, K. Wigginton,** 2015. Fate of pharmaceutical and biological contaminants through the preparation and application of urine-derived fertilizers. 88th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), Chicago, IL, Sept 27-30, 2015.
195. **Stadler, L., J. Delgado Vela and N. G. Love.** 2015. Impact of low dissolved oxygen and microbial community on pharmaceutical biotransformations during wastewater treatment. 88th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), Chicago, IL, Sept 27-30, 2015.
196. **Delgado-Vela, J., K. J. Martin, N. Beaton, A. McFarland, L. B. Stadler, C. B. Bott, S. J. Skerlos, L. Raskin, N. G. Love.** 2015. Nutrient removal from mainstream anaerobic processes using a membrane aerated biofilm reactor and a granular sludge sequencing batch reactor. 88th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), Chicago, IL, Sept 27-30, 2015.
197. **Delgado Vela J., Martin, K. J., Beaton, N., McFarland, A., Stadler, L., Bott, C. B., Raskin, L., Skerlos, S.J., and Love, N.G.** 2014. Nitrogen Removal Downstream of an Anaerobic Membrane Bioreactor for Domestic Wastewater Treatment. IWA Global Challenges: Sustainable Wastewater Treatment and Resource Recovery. Kathmandu, Nepal, October 26-30.
198. **Delgado Vela, J., Martin, K.J., Stadler, L.B., Bott, C. Skerlos, S.J., Raskin, L., Love, N.G.,** 2014. Nutrient Removal from Mainstream Anaerobic Effluents: Linking Biofilm Modeling to Experimental Design. 87th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), New Orleans, LA, September 28-October 1. (poster presentation)
199. **Stadler, L. B., Su, L., Aga, D. S., and Love, N. G.** 2014. Understanding the impact of low dissolved oxygen treatment on nitrifier community characteristics and micropollutant fate. 4th International Conference on Occurrence, Fate, Effects, and Analysis of Emerging Contaminants in the Environment. Iowa City, IA, August 19 – 22, 2014.
200. **Love, N. G.** 2014. Achieving resilience and sustainability in the global urban water sector – a role for environmental chemistry. Special Seminar Series: Women in Environmental Chemistry and Engineering, Abstract 312-ENVR, 248th American Chemical Society National Meeting. San Francisco, CA, August 10-14. (podium presentation)
201. **Stadler, L. B., Su, L., Aga, D. S., and Love, N. G.** 2014. Understanding the impact of low dissolved oxygen treatment on nitrifier community characteristics and micropollutant fate. Abstract 415-ENVR, 248th American Chemical Society National Meeting. San Francisco, CA, August 10 – 14, 2014. (podium presentation)
202. **Wu, C.-C., K. J. Martin, A. Perez De La Rosa, G. Ryskamp, N. G. Love and T. M. Olson.** 2014. Effect of disinfection by-products on antibiotic resistance in the bacterial communities of point-of-use (PoU) drinking water filters. Abstract 473-ENVR, 248th American Chemical Society National Meeting. San Francisco, CA, August 10 – 14, 2014. (podium presentation)
203. **Lester, Y., N. G. Love, D. S. Aga, R. Singh and K. G. Linden.** 2014. Demonstrating advanced oxidation/biofiltration to remove emerging contaminants from wastewater: A pilot study. Abstract 130-ENVR, 248th American Chemical Society National Meeting. San Francisco, CA, August 10 – 14, 2014. (podium presentation)
204. **Aga, D. S., K. G. Linden, N. G. Love, R. Singh, Y. Lester, O. S. Keen and S. Baik.** 2014. Identification of degradation products of carbamazepine and iopromide after UV/H₂O₂ advanced oxidation and

- biodegradation. 283-ENVR, 248th American Chemical Society National Meeting. San Francisco, CA, August 10 – 14, 2014. (podium presentation)
205. **Stadler, L. B., Smith, A. L., Jain, A. K., Martin, K. J., Delgado Vela, J., Puente, P., Cao, L., Frenette, S., Bott, C. B., Rauch-Williams, T., Shimada, T., Salveson, A., Love, N. G., Raskin, L., and Skerlos, S. J.** 2014. Integrating Life Cycle Assessment and Experimental Research: Evaluating Anaerobic Membrane Bioreactors in Domestic Wastewater Treatment for Energy Recovery. Borchardt Conference. Ann Arbor, MI, February 25 – 26, 2014. (podium presentation)
 206. **Stadler, L. B., Su, L., Aga, D. S., and Love, N. G.** 2014. Understanding the impact of low dissolved oxygen treatment on nitrifier community characteristics and micropollutant fate. 4th International Conference on Occurrence, Fate, Effects, and Analysis of Emerging Contaminants in the Environment. Iowa City, IA, August 19 – 22. (podium presentation)
 207. **Stadler, L. B., Smith, A. L., Cao, L., Love, N. G., Raskin, L., and Skerlos, S. J.** 2013. Life Cycle Comparison of Emerging and Established Wastewater Energy Recovery Systems. In Mainstream Anaerobic Treatment Systems for Energy Neutral Wastewater Management Workshop at the 86th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), Chicago, IL, October 5 – 9.
 208. **Stadler, L.B., A.L. Smith, L. Cao, N.G. Love, L. Raskin, and S.J. Skerlos,** 2013. Energy Recovery from Wastewater: Life Cycle Comparison of Carbon Removal Technologies Upstream of Autotrophic Nitrogen Removal. *WEF/IWA Nutrient Removal and Recovery 2013: Trends in Resource Recovery and Use*, July 28-31, Vancouver, British Columbia, Canada.
 209. **Smith, A.L., T. Shimada, and L. Raskin,** 2013. Syntrophic interactions in full-scale two-phase anaerobic digesters determined by pyrosequencing. *5th International Conference on Microbial Ecology and Water Engineering Conference*, July 7-10, Ann Arbor, Michigan.
 210. **Stadler, L.B., A.L. Smith, L. Cao, N.G. Love, L. Raskin, and S.J. Skerlos,** 2013. Life cycle comparison of emerging and established wastewater energy recovery systems. Poster presentation. *2013 AEESP Education & Research Conference*, July 14-16, Denver, Colorado.
 211. **Delgado-Vela, J., Stadler, L.B., and Love, N. G.** 2013. Elucidating Biotransformation of Pharmaceuticals by Methanotrophic Bacteria. Association of Environmental Engineering & Science Professors 50th Anniversary Conference. Golden, CO, July 14 – 16.
 212. **Moline, C. J., Stadler, L. B., Su, L., Ernstoff, A. S., Dapcic, A. D., Vela, J. D., Aga, D., and Love, N. G.** 2012. Pharmaceutical Fate Under Varying Redox Treatment Environments. Proceedings of the 85th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), New Orleans, LA, September 29 - October 3.
 213. **Smith, A. L., Stadler, L. B., Cao, L., Love, N. G., Raskin, L., and Skerlos, S. J.** 2012. Performance and environmental impacts of anaerobic membrane bioreactor for low-strength wastewater treatment, Proceedings of the 85th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), New Orleans, LA, September 29-October 3.
 214. **Jimenez, J., C. B. Bott, N. G. Love and J. Bratby.** 2012. Source separation of urine as an alternative solution to nutrient management in wastewater treatment plants: a model-based analysis. Water Environment Federation Technical Exhibition and Conference. New Orleans, LA. Sept 30-Oct 3, 2012. Podium presentation.
 215. **Love, N.G.** 2012. Challenges in predicting micropollutant fate in biological processes. WWTMod2012 workshop on modelling micropollutant fate in biological processes, Mont-Sainte-Anne, Québec, Canada, Feb 26-28, 2012. Podium presentation
 216. **Colby, A., Khunjar, W., Pinto, A., Ghosh, S., Raskin, L., Love, N.** Impact of Copper Stress on Nitrification Performance and the Ammonia Oxidizer Community Structure in Activated Sludge. *2011 AEESP Education & Research Conference*, Tampa, Florida, July 10-12, 2011.

217. **Smith, A.L., H.J. Dorer, N.G. Love, S.J. Skerlos, and L. Raskin.** 2011. Psychrophilic anaerobic membrane bioreactor for domestic wastewater treatment. *2011 AEESP Education & Research Conference*, Tampa, Florida, July 10-12, 2011.
218. **Smith, A.L., N.G. Love, S. Skerlos, and L. Raskin,** 2012. Effects of changes in temperature and hydraulic retention time on performance and environmental impacts of anaerobic membrane bioreactors for domestic wastewater treatment. *Leading-Edge Conference on Water and Wastewater Technologies*, June 3-7, Brisbane, Australia.
219. **Smith, A.L., Z. Li, H. Dorer, N.G. Love, S. Skerlos, and L. Raskin,** 2011. Energy recovery from domestic wastewater using anaerobic membrane bioreactors. *2011 Borchardt Conference*, February 23-24, Ann Arbor, Michigan.
220. **Guest, J. S., N. G. Love, S. Snowling, C. B. Bott, G. T. Daigger and S. J. Skerlos.** Quantitative sustainable design of wastewater treatment plants. *Water Environment Federation Technical Exhibition and Conference*. Los Angeles, CA. October 15-19, 2011. Podium presentation.
221. **Keen, O., S. Baik, K. Linden, D. Aga and N. G. Love.** 2011. Degradation of carbamazepine during UV/H₂O₂ treatment of wastewater. *Water Environment Federation Technical Exhibition and Conference*. Los Angeles, CA. October 15-19, 2011. Podium presentation.
222. **Smith, A., N. G. Love, S. J. Skerlos, and L. Raskin.** Role of membrane biofilm in psychrophilic anaerobic membrane bioreactor for domestic wastewater treatment. *Water Environment Federation Technical Exhibition and Conference*. Los Angeles, CA. October 15-19, 2011. Podium presentation.
223. **Colby, A., Khunjar, W., Pinto, A., Ghosh, S., Raskin, L., Love, N.** Impact of Copper Stress on Ammonia Oxidizer Activity and Community Structure in Nitrifying Activated Sludge. *Water Environment Federation Technical Exhibition and Conference*. Los Angeles, CA. October 15-19, 2011. Podium presentation.
224. **Smith, A.L., N.G. Love, S. Skerlos, and L. Raskin,** 2011. Analysis of microbial communities in an anaerobic membrane bioreactor for domestic wastewater treatment at psychrophilic conditions. *2011 Biogas Microbiology Conference*, September 14-16, Leipzig, Germany.
225. **Colby, A., Khunjar, W., Pinto, A., Ghosh, S., Raskin, L., Love, N.** 2011. Effect of Copper Stress on Ammonia Oxidizer Community Structure and Nitrification Performance in a Nitrifying Activated Sludge Wastewater Treatment Process. *2nd International Conference on Nitrification*. Nijmegen, the Netherlands. July 1-7.
226. **Guest, J.S., S.J. Skerlos, N.G. Love.** 2011. Quantitative sustainable design of wastewater treatment plants. *Engineering Sustainability 2011*, Pittsburgh, PA, March 10-12, 2011, Podium presentation.
227. **Cook, S. M., B.J. VanDuinen, S.J. Skerlos, N.G. Love.** Life cycle comparison of environmental impacts from alternative pharmaceutical disposal methods. *Engineering Sustainability 2011 Conference*, Pittsburgh, PA, April 11, 2011
228. **Smith, A.L., N.G. Love, S.J. Skerlos, and L. Raskin.** 2010. Anaerobic membrane bioreactors for sustainable domestic wastewater treatment at psychrophilic temperatures. *Proceedings of the 12th World Congress on Anaerobic Digestion*, Guadalajara, Mexico, November 1-4, 2010
229. **Smith, A.L., H.J. Dorer, N.G. Love, S.J. Skerlos, and L. Raskin.** 2011. Role of membrane biofilm in psychrophilic anaerobic membrane bioreactor for domestic wastewater treatment. *Proceedings of the 84th Annual Water Environment Federation Technical Exhibition and Conference*, Los Angeles, California, October 15-19, 2011.
230. **Pinto, A.J. and N.G. Love.** Impact of chemical perturbation on trophic interactions and its implications for ecosystem function in an engineered environment. *13th International Symposium on Microbial Ecology 2010*, Seattle, Washington. August 22-27, 2010
231. **Love, N.G., W. O. Khunjar, S. Mackintosh, S. Baik, and D. Aga.** The Relative Roles of Ammonia Oxidizing and Heterotrophic Activated Sludge Bacteria in Biotransforming 17 α -Ethinylestradiol and Trimethoprim. Podium presentation, *AEESP Special Session. 83rd Water Environment Federation Technical Exposition and Conference 2010*, New Orleans, LA, October 3-6, 2010.

232. **Smith, A.L., N.G. Love, S. Skerlos, and L. Raskin, 2010.** Anaerobic membrane bioreactors for sustainable domestic wastewater treatment at psychrophilic temperatures. *12th World Congress on Anaerobic Digestion*, October 31 - November 4, Guadalajara, Mexico. International Water Association.
233. **N. G. Love, W. O. Khunjar, J. Skotnicka-Pitak, S. Mackintosh, S. Baik, D. S. Aga, T. Yi, and W. F. Harper Jr. 2010.** Elucidating the role of ammonia oxidizing bacteria versus heterotrophic bacteria during the biotransformation of 17 α -ethinylestradiol and trimethoprim. Podium presentation. International Water Association World Water Congress and Exposition, Montreal, Quebec, Canada, Sept 20-24, 2010.
234. **W.O. Khunjar, J. Skotnicka-Pitak, S. Mackintosh, S. Baik, N. G. Love, D.S. Aga, W.F. Harper Jr. 2010.** Elucidating factors that influence the biotransformation of 17 α -ethinylestradiol and trimethoprim. Poster presentation. International Water Association Leading Edge Technology Conference, Phoenix, AZ, June 1-4, 2010.
235. **Guest, J. S., S. J. Skerlos and N. G. Love. 2010.** An optimization methodology for elucidating locality-specific sustainability trade-offs in wastewater treatment plant process selection. Poster presentation. International Water Association Leading Edge Technology Conference, Phoenix, AZ, June 1-4, 2010.
236. **Pinto, A.J., Hardin, S.C., Love, N.G., Fairey, A., Earle, J., Washington, P., Iler, P., Doane-Weideman, T., and Lagrange, R.** Remedial Intervention Strategies for Wastewater Treatment Plant Exposed to Heavy Metal Stress: Laboratory and Pilot Scale Evaluations. Podium presentation. *Proceedings of the 82nd Water Environment Federation Technical Exposition and Conference 2009*, Orlando, Florida, October 10-14, 2009.
237. **Khunjar, W. O., Skotnicka-Pitak, J., Celiz, M.D., Baik, S., Love, N.G., Aga, D.S., Harper Jr., W.F.** The Impact of Physiological State and Residual Organic Carbon on the Biotransformation of 17 α -Ethinylestradiol and Trimethoprim by Heterotrophic Bacteria. Podium Presentation. *82nd Annual Water Environment Federation Technical Exposition and Conference*, Orlando, Florida, October 10-14, 2009.
238. **Guest, J. S.; Cook, S. M.; Skerlos, S. J.; Love, N. G. 2009.** A methodology to assess the environmental impacts of upgrading wastewater infrastructure: A case study to evaluate energy recovery from black water. Podium presentation. *Proceedings of the 82nd Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC)*, Orlando, Florida, October 10-14, 2009.
239. **Thomas, W.A., Bott, C.B., Regmi, P., Schafran, G., Pinto, A., Love, N.G., McQuarrie, J., Rutherford, B., Baulmer, R., Waltrip, D.** Evaluation of Nitrification Kinetics for a 2.0 MGD IFAS demonstration project. Podium presentation. *Proceedings of the 82nd Water Environment Federation Technical Exposition and Conference 2009*, Orlando, Florida, October 10-14, 2009.
240. **Cook, S. M., J. S. Guest, S. J. Skerlos, N. G. Love. 2009.** Environmental characteristics of different energy recovery systems from the management of sewage sludge and food waste. Podium presentation, *IWA Sustainable Management & Technologies of Sludges Conference*, Harbin, China, August 8-11, 2009.
241. **Pinto, A.J., N. G. Love, A. Fairey, J. Earle, P. Washington, P. Iler, T. Doane-Weideman, and R. Lagrange. 2009.** Integration of online sensors with corrective action strategies to detect, monitor, and mitigate toxic shock events at nutrient removal wastewater treatment plants. *Water Environment Federation: Nutrient Removal Conference*. Washington, DC. June 28-July 1, 2009.
242. **Pinto, A.J. and N. G. Love.** Post-stress recovery of a complex ammonia oxidizing bacterial community following heavy metal cadmium stress. Short podium presentation and poster presentation. *International Conference on Nitrification 1*. Louisville, KY, July 5-9, 2009.
243. **Guest, J. S.; Skerlos, S. J.; Daigger, G. T.; Corbett, J. R. E.; Love, N. G. 2009.** The use of qualitative system dynamics to identify sustainability characteristics of decentralised wastewater management alternatives. *Proceedings of 6th IWA Leading Edge Conference on Water and Wastewater Technologies*, Singapore, June 22-25, 2009. *Invited for consideration in Water Science and Technology*.
244. **Pinto, A.J., S. C. Hardin, and N. G. Love. 2009.** Cadmium-induced short-term structural and functional changes in ammonia oxidizing community in conventional laboratory and pilot scale activated sludge

- systems. Podium presentation. *Proceedings of the ASPD5 (Activated Sludge Population Dynamics) Specialised Conference: Microbial Population Dynamics in Biological Wastewater Treatment*. International Water Association. Aalborg, Denmark, May 24-27, 2009.
245. Gilmore, K. R., B. F. Smets, A. Terada, S. Lackner, J. L. Garland, N. G. Love. 2009. Microbial community analysis in an autotrophic hollow-fiber membrane-aerated biofilm reactor (HFMBR) treating a high-strength nitrogen wastewater. Podium presentation. *Proceedings of the ASPD5 (Activated Sludge Population Dynamics) Specialised Conference: Microbial Population Dynamics in Biological Wastewater Treatment*. International Water Association. Aalborg, Denmark, May 24-27, 2009, pp 146-148.
 246. Khunjar, W. O., Skotnicka-Pitak, J., Celiz, M.D., Mackintosh, S., Love, N.G., Aga, D.S., Harper Jr., W.F. Elucidating the Role of Ammonia Oxidizing Bacteria versus Heterotrophic Bacteria in the biotransformation of 17 α -ethinylestradiol. Poster presentation. *Proceedings of the Activated Sludge Population Dynamics 5 (ASPD5): Microbial Population Dynamics in Biological Wastewater Treatment*. International Water Association. Aalborg, Denmark, May 24-27, 2009.
 247. Loh, K. J., J. S. Guest, G. Ho, J. P. Lynch, and N. G. Love. 2009. Layer-by-layer carbon nanotube bio-templates for in situ monitoring of the metabolic activity of nitrifying bacteria. *SPIE Smart Structures and Materials*, San Diego, CA.
 248. Ghosh, S. and N. G. Love. MexAB-OprM efflux pump mediated changes in antibiotic susceptibilities of *Pseudomonas aeruginosa*. ASM General Meeting, Philadelphia. May 19, 2009.
 249. Love, N. G., D. Bronk, E. Canuel, M. Poteat, Q. Roberts, K. C. Filippino, P. Hatcher, R. Mesfioui, M. M. Mulholland, and G. Ho. The importance of effluent organic nitrogen fate and its contribution to N management in N-limited regions. Podium presentation. *Association of Environmental Engineering and Science Professors Conference*, July 26-29, 2009, Iowa City, IA.
 250. Khunjar, W. O., Skotnicka-Pitak, J., Celiz, M.D., Mackintosh, S., Love, N.G., Aga, D.S., Harper Jr., W.F. 2009. Elucidating the role of ammonia oxidizing bacteria versus heterotrophic bacteria in the biotransformation of 17 α -ethinylestradiol. Poster Presentation. *Association of Environmental Engineering and Science Professors Conference*, July 26-29, 2009, Iowa City, IA.
 251. Pinto, A.J., J. S. Guest, R. Roots, N. G. Love, and S. Skerlos. 2009. A project-based active learning framework to introduce freshman engineering students to sustainable waste management and waste-to-energy technologies. Podium presentation. *Association of Environmental Engineering and Science Professors 2009 Conference*. Iowa City, IA, July 26-29, 2009.
 252. Pinto, A.J. and N. G. Love. 2009. Structural and Functional Response of the Ammonia Oxidizing Bacterial Community to Acute Cadmium Stress in Laboratory and Pilot Scale Activated Sludge Systems. Poster presentation. *Association of Environmental Engineering and Science Professors 2009 Conference*. Iowa City, IA, July 26-29, 2009.
 253. Khunjar, W. O., Skotnicka-Pitak, J., Celiz, M.D., Mackintosh, S., Love, N.G., Aga, D.S., Harper Jr., W.F. 2009. Elucidating the Role of Ammonia Oxidizing Bacteria versus Heterotrophic Bacteria in the biotransformation of 17 α -ethinylestradiol. Poster presentation. *Micropol and Ecohazard 2009, 6th IWA/GRA Specialized Conference on Assessment and Control of Micropollutants/Hazardous Substances in Water* June 2009, San Francisco, CA.
 254. Cook, S. M., J. S. Guest, M. G. Christianson, N. G. Love, S. J. Skerlos. 2009. Energy Recovery from Wastewater: Evaluation of Resource Management Alternatives for Appropriate and Environmentally Sustainable Energy Production. Podium presentation, *Engineering Sustainability 2009 Conference*, Pittsburgh, PA, April 21, 2009.
 255. H.A. Tucker, K.F. Knowlton, and N.G. Love. 2009. Fecal and urinary estrogens in dairy heifers during the estrous cycle. *J. Dairy Sci.* 92 (Suppl. 1).
 256. Hardin, S., A. Pinto, N. G. Love, and A. Shaw. 2008. Impact of Contaminant-Specific Corrective Action Strategies on Wastewater Treatment Plant Performance and Recovery. Poster presentation. *Water*

Environment Federation 81st Annual Conference and Exposition, Chicago, IL, October 19-22, 2008. 1st Place - Best Poster Award.

257. **Khunjar, W. O., Skotnicka-Pitak, J., Yi, T., Love, N.G., Aga, D.S., Harper Jr., W.F.** 2008. Biotransformation of pharmaceutical, personal care products during nitrification – the role of nitrifiers vs. heterotrophs. Podium presentation. *ASCE World Environmental & Water Resources Congress 2008*. Honolulu, HI.
258. **Aga, D., N. G. Love, W. Harper, W. O. Khunjar, J. Slotnicka-Pitak, T. Yi.** 2008. Biotransformation of pharmaceuticals by nitrifying and heterotrophic cultures: Investigation of degradation kinetics and metabolite identification. Keynote Address - International Water Association Leading Edge Technology Conference, Zurich, Switzerland, June 1-4, 2008.
259. **Shaw, A., deBarbadillo, C., Pinto, A. J., Guest, J. S., Love, N. G., Fairey, A. W., Iler, P. L., Earle, J. K., Shellenbarger, D., and Barker D.** 2008. Dynamic whole plant modeling to investigate mitigation strategies for toxic shocks. 1st *IWA/WEF Wastewater Treatment Modeling Seminar*. Mont-Sainte-Anne, Quebec, Canada. June-1-3, 2008.
260. **Love, N. G. and Skerlos, S. J.** 2008. Global Sustainable Water Systems – Acknowledging Wastewater as a Resource. *Graham Environmental Sustainability Institute Water, Health + Environment Workshop*, University of Michigan, March 26-27, 2008.
261. **Musabyimana, M., N. G. Love, C. B. Bott and S. Murthy.** 2008. Evaluation of nitrite inhibition and toxicity in the deammonification process. Podium presentation alternate. *Proceedings of the Water Environment Federation 81st Annual Conference and Exposition*, Chicago, IL, October 19-22, 2008.
262. **O'Shaughnessy, M, M. Musabyimana, J. Sizemore, S. Murthy, B. Wett, I. Takacs, D. Houweling, P. Sanjines, N. Love, K. Pallansch,** 2008. Operations and process control of the deammonification process as a sidestream option for nutrient removal. Podium presentation. *Proceedings of the Water Environment Federation 81st Annual Conference and Exposition*, Chicago, IL, October 19-22, 2008.
263. **Khunjar, W. O., J. Skotnicka-Pitak, N. G. Love, D. Aga, W. F. Harper Jr.** 2008. Elucidating the role of nitrifiers versus heterotrophic bacteria in the biotransformation of 17 α -ethinylestradiol during wastewater treatment. Podium presentation. *Proceedings of the Water Environment Federation 81st Annual Conference and Exposition*, Chicago, IL, October 19-22, 2008.
264. **Gilmore, K. R., N. G. Love, B. F. Smets, A. Terada, J. Garland.** 2008. Nitrifier and anammox population dynamics in an autotrophic nitrogen removal membrane biofilm reactor. Podium presentation. *Proceedings of the Water Environment Federation 81st Annual Conference and Exposition*, Chicago, IL, October 19-22, 2008.
265. **Pinto, A., S. Hardin and N. G. Love.** 2008. Structural and functional responses of the ammonia oxidizing community in activated sludge exposed to cadmium stress. Podium presentation. *Proceedings of the Water Environment Federation 81st Annual Conference and Exposition*, Chicago, IL, October 19-22, 2008.
266. **Gilmore, K. R., B. F. Smets, J. L. Garland, A. Terada, and N. G. Love.** 2008. Controlling gaseous nitrogen oxide emissions and nitrogen removal performance in hollow fiber membrane aerated biofilm reactors. *Proceedings of the WEF Membrane Technology 2008 Conference*, Atlanta, Georgia, January 27-30, 2008.
267. **DeBusk, J. A., J. Arogo Ogejo, N. G. Love, K. F. Knowlton.** 2007. Adjusting nitrogen to phosphorus ratios in liquid dairy manure through nitrification and chemical phosphorus removal to match crop fertilizer requirements. Podium presentation. *Proceedings of the American Society of Agricultural and Biological Engineers (ASABE)*, Paper No. 074048, June 17-20, 2007.
268. **Guest, J. S., A. J. Pinto, N. G. Love and A. Shaw.** 2007. Corrective action strategies for enhanced biological phosphorus removal WWTPs during short-term and prolonged toxic shock events. Podium presentation. *Proceedings of the Water Environment Federation 80th Annual Conference and Exposition*, San Diego, CA, Oct 14-17, 2007.

269. **Khunjar, W. O., C. Klein, T. Yi, N. G. Love, D. Aga, and W. F. Harper Jr.** 2007. Cometabolism of pharmaceutical, personal care products (PPCPs) by the ammonia oxidizing bacterium *Nitrosomonas europaea*. Podium presentation. *Proceedings of the Water Environment Federation 80th Annual Conference and Exposition*, San Diego, CA, Oct 14-17, 2007.
270. **Ikuma, K., I. D. S. Henriques, B. J. Love and N. G. Love.** 2007. Immobilization of *Pseudomonas aeruginosa* in alginate microbeads for use in a biosensor designed to detect oxidative toxins. Podium presentation. *Proceedings of the Water Environment Federation 80th Annual Conference and Exposition*, San Diego, CA, Oct 14-17, 2007.
271. **Gilmore, K. R., N. G. Love and B. F. Smets.** 2007. Oxygen mass transfer in a flow-through hollow fiber membrane aeration reactor. Poster presentation. *Proceedings of the Water Environment Federation 80th Annual Conference and Exposition*, San Diego, CA, Oct 14-17, 2007.
272. **Beck, J. L., K. R. Gilmore, N. G. Love, K. F. Knowlton and J. Arogo Ogejo.** 2007. Nitrogen removal from dairy waste using deammonification fueled by fermented dairy manure. Podium presentation. *Proceedings of the Water Environment Federation 80th Annual Conference and Exposition*, San Diego, CA, Oct 14-17, 2007.
273. **Pinto, A.J., Guest, J.S., Love, N.G., and Shaw, A.** 2007. Elucidating the importance of contaminant specific corrective action strategies for wastewater treatment plants during toxic shocks. *Proceedings of the Water Environment Federation 80th Annual Conference and Exposition (WEFTEC)*, San Diego, CA, October 14-17, 2007.
274. **Khunjar, W. O., Klein, C., Skotnicka-Pitak, J., Yi, T., Love, N. G., Aga, D. Harper, W. F. Jr.** 2007. Biotransformation of pharmaceuticals and personal care products (PPCPs) during nitrification: the role of ammonia oxidizing bacteria versus heterotrophic bacteria. WEF Specialty Conference - Compounds of Emerging Concern: What's on the Horizon? Providence, Rhode Island, July 29-30, 2007, Podium presentation.
275. **Fang, Y., Zhao, Z., Love, N. G., Knowlton, K. F., Novak, J. T.** 2007. Detecting endocrine disrupting compounds in various waste matrices using a bioassay. WEF Specialty Conference - Compounds of Emerging Concern: What's on the Horizon? Providence, Rhode Island, July 29-30, 2007, Podium presentation.
276. **Ikuma, K. Fraga Muller, J., Stevens, A. M., Hagedorn III, C., Love, N. G.** 2007. Evaluating the extent of pollution-induced antibiotic resistance in environmental bacterial strains. *American Water Resources Association Summer Specialty Conference – Emerging Contaminants of Concern in the Environment: Issues, Investigations and Solutions*. Vail, Colorado, June 25-27, 2007, Podium presentation.
277. **Khunjar, W. O., Klein, C., Yi, T., Henriques, I. D. S., Love, N. G., Aga, D. S., Harper Jr., W. F.** 2007. The relative roles of ammonia oxidizing bacteria versus heterotrophic bacteria in biotransforming 17 α -ethinylestradiol under low growth rate conditions. *American Water Resources Association Summer Specialty Conference – Emerging Contaminants of Concern in the Environment: Issues, Investigations and Solutions*. Vail, Colorado, June 25-27, 2007, Podium presentation.
278. **Zhao, Z., K. F. Knowlton, N. G. Love and Y. Fang.** 2007. Advanced treatment to reduce the estrogen content of dairy manure. *American Society of Civil Engineers World Environmental & Water Resources Congress*, Tampa Bay, FL., May 15-19, 2007. Podium presentation.
279. **Zhao, Z., Knowlton, K.F., Love, N. G., and Fang, Y.** 2007. Dairy manure estrogens with advanced treatments. *Journal of Dairy Science*, 90:332, Supplement 1.
280. **Pinto, A. J., Love, N. G.** 2007. Elucidating the importance of contaminant specific corrective action strategies for wastewater treatment plants during toxic shocks. Poster presentation. *Water Environment Federation 80th Annual Conference and Exposition*, San Diego, CA, Oct 14-17, 2007.
281. **Beck, J. L., N. G. Love, K. F. Knowlton and J. Arogo Ogejo.** 2007. Nitrogen removal from dairy waste using deammonification fueled by fermented dairy manure. Poster presentation. *Proceedings of the American Society of Agricultural and Biological Engineers (ASABE)*, June 17-20, 2007.

282. **Khunjar, W. O., Baik, S., Celiz, D., Yi, T., Henriques, I.D.S., Love, N. G., Aga, D. S., Harper Jr., W. F.** 2007. Evaluation of the fate of environmentally relevant micropollutants. Podium presentation. *American Society of Civil Engineers World Environmental & Water Resources Congress*, Tampa Bay, FL., May 15-19, 2007.
283. **Aga, D. S., Harper Jr., W. F., Love, N. G. Khunjar, W. O., Klein, C., Celiz, D. M., Baik, S., Yi, T.** 2007. Investigating the connection between nitrification and the removal of pharmaceuticals using engineered bioreactors. *Micropol and Ecohazard 2007*, Frankfurt, Germany. Podium Presentation.
284. **Pinto, A. J., Guest, J. S., Love, N. G., Shaw, A., Fairey, A. W., Iler, P. L., Earle, J. K., Shellenbarger, D., Barker, D.** 2007. Process control at nutrient removal wastewater treatment plants during toxic shock events. *State of the Art Nutrient Removal Design*, Water Environment Federation and International Water Association, March 3-7, 2007, Baltimore, Maryland.
285. **Klein, C., Aga, D. S., Love, N. G., Khunjar, W. O., and Harper Jr., W. F.** 2007. Characterizing the degradation products of 17 alpha-ethinylestradiol in activated sludge systems by LC/MS. 58th Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy. Chicago, IL, Feb 25-March 2, 2007. Podium presentation.
286. **Harper Jr. W.F., Love, N.G., Aga, D.S., Yi, T., Khunjar, W.O., Klein, C., O'Connor, S.** Evaluating the link between nitrification and the removal of 17 α -ethinylestradiol. Poster presentation. *Nutrient Removal 2007: The State of the Art. Water Environment Federation Specialty Conference*, Baltimore, MD.
287. **Ikuma, K., Rzigalinski, B. A. and Love, N. G.** 2007. Predicting the public health impact of oxidative toxins using a bacterial glutathione-gated potassium efflux stress response biosensor. 233rd American Chemical Society National Meeting, Chicago, Illinois, March 25-29, 2007.
288. **Chandran, K. and Love, N. G.** 2006. Cd(II) mediated inhibition of *Nitrosomonas europaea* is linked to oxidative stress and is impacted by physiological state and growth mode. *Proceedings of the Water Environment Federation 79th Annual Conference and Exposition*, Dallas, TX Oct 22-25, 2006. (Number 1 Abstract out of 120+ submissions for Research Symposium)
289. **Kelly, R. T. Jr. and Love, N. G.** 2006. The role of glutathione mediated stress response mechanisms in nitrifying bacteria. *Proceedings of the Water Environment Federation 79th Annual Conference and Exposition*, Dallas, TX Oct 22-25, 2006.
290. **Capuno, R. E., Love, N. G., and Smets, B. F.** 2006. Mathematical modeling of start-up scenarios for nitrogen removal via a nitrification:anaerobic ammonia oxidation-coupled biofilm in a hollow fiber membrane bioreactor. *International Water Association Biofilm Systems VI*, Amsterdam, The Netherlands, September 24-27, 2006.
291. **Gilmore, K. R., R. E. Capuno, Jr., N. G. Love, and B. F. Smets.** 2006. Anaerobic stabilization of early planetary base ersatz wastewater formulation. Society of Automotive Engineers (SAE) Technical Paper Series 2006-01-2255. 36th International Conference on Environmental Systems, SAE, Norfolk, VA.
292. **Zaklikowski, A., Love, N. G., Vikesland, P. and Chandran, K.** 2006. The effect of breakpoint chlorination practices on the activity, viability and recovery of nitrifying bacteria in chloraminated water. *American Water Works Association Annual Meeting, Universities Forum*. June 12, 2006.
293. **Rushing, J. C., Vikesland, P., Love, N. G., Mutuc, M., Chan, K. M., Casselberry, R. and Cichy, P.** 2006. Evaluating in situ chemical and biological treatment approaches for two chlorinated aliphatic ethers: BCEE and BCEM. *The Fifth International Conference on Remediation of Chlorinated and Recalcitrant Compounds*. Battelle, May 22-25, 2006, Monterey, California.
294. **Xu, Y., Lei, G., Linares, K. A., Fleming, D. L., Meehan, K., Lu, G. Q., Love, N. G. and Love, B. J.** 2005. Maximizing dye fluorescence via incorporation of metallic nanoparticles in solution. *SPIE (The International Society for Optical Engineering)*, 5591:175-183.
295. **Henriques, I. D. S., Aga, D., Mendes, P. and Love, N. G.** 2005. Metabolic footprinting: A new approach to identify changes in activated sludge physiology upon exposure to toxic compounds.

- Proceedings of the Water Environment Federation 78th Annual Conference and Exposition*, Washington DC, Oct 31-Nov 2, 2005, 12 pages.
296. **Muftugil, M., Knowlton, K. F., and Love, N. G.** 2005. Using enhanced biological phosphorus removal to minimize nutrient delivery from dairy farms to receiving waters. Poster presentation at Water Environment Federation 78th Annual Conference and Exposition, Washington DC, Oct 31-Nov 2, 2005.
 297. **Henriques, I. D. S., Aga, D., Mendes, P. and Love, N. G.** 2005. Metabolic footprinting: A new approach to identify changes in activated sludge physiology upon exposure to toxic compounds. *Proceedings of the 4th International Water Association Activated Sludge Population Dynamics Specialist Conference*, Gold Coast, Australia, 12 pages.
 298. **Henriques, I. D. S., Aga, D., Mendes, P., and Love, N. G.** 2005. Metabolic Footprinting: A New Approach to identify Changes in Activated Sludge Physiology upon Exposure to Toxic Compounds. Association of Environmental Engineering and Science Professors Conference, July 24-26, Clarkson University, Potsdam, New York.
 299. **Fraga Muller, J., Craig, J., Stevens, A. M., and Love, N. G.** 2005. Using Whole Genome Arrays to Investigate Functional Response to Contaminant Stress: the Response of *Pseudomonas aeruginosa* to Pentachlorophenol. Association of Environmental Engineering and Science Professors Conference, July 24-26, Clarkson University, Potsdam, New York.
 300. **Fraga Muller, J., Craig, J., Stevens, A. M., and Love, N. G.** 2005. The Stress Response of *Pseudomonas aeruginosa* to Pentachlorophenol. *Abstracts of the 105th General Meeting of the American Society for Microbiology*, Atlanta Georgia.
 301. **Kelly II, R. T. and Love, N. G.** 2004. Investigating the role of oxidative stress mechanisms in chemically-inhibited nitrifiers. *Proceedings of the Water Environment Federation 77th Annual Conference and Exposition*, New Orleans, LA, October 2004, 22 pages.
 302. **Kelly II, R. T. and Love, N. G.** 2004. A critical comparison of methods used to determine nitrification inhibition. *Proceedings of the Water Environment Federation 77th Annual Conference and Exposition*, New Orleans, LA, October 2004, 15 pages.
 303. **Henriques, I. D. S., Stevens, A. M. and Love, N. G.** 2004. Is biomass concentration a factor determining the sensitivity of activated sludge to toxic shocks? *Proceedings of the Water Environment Federation 77th Annual Conference and Exposition*, New Orleans, LA, October 2004, 22 pages.
 304. **Linares, K., Fleming, D., Xu, Y., Love, N. G., Love, B. J. and Meehan, K.** 2004. Evaluating strategies for integrating bacterial cells into a biosensor designed to detect electrophilic toxins. *Proceedings of the Water Environment Federation 77th Annual Conference and Exposition*, New Orleans, LA, October 2004, 17 pages.
 305. **Henriques, I. D. S., Kelly II, R. T. and Love, N. G.** 2004. Deflocculation Effects Due to Chemical Perturbations in Sequencing Batch Reactors. 3rd International Symposium on Sequencing Batch Reactors, International Water Association, Brisbane, Australia.
 306. **Leung, S.M., Little, J. C., Holst, T., and Love, N. G.** 2003. Oxygen transfer and consumption in a biological aerated filter. *Proceedings of the Water Environment Federation 76th Annual Conference and Exposition*, Los Angeles, CA October 2003.
 307. **Dauphinais, J. L. and Love, N. G.** 2003. Determination of toxic inhibition potential from industrial dischargers to a POTW using a respirometric assay. *Proceedings of the Water Environment Federation 76th Annual Conference and Exposition*, Los Angeles, CA October 2003.
 308. **Yanosek, K.A., Wolfe, M. L. and Love, N. G.** 2003. Assessment of enhanced biological phosphorus removal for dairy manure treatment. In the *Animal, Agricultural and Food Processing Wastes, Proceedings of the Ninth International Symposium*, 11-14 October 2003 (Raleigh, North Carolina, USA), ed. Robert Burns. ASAE Pub #701P1203. pp. 212-220.
 309. **Henriques, I. D. S. and Love, N. G.** 2003. The role of floc morphology and composition on susceptibility of biomass to shock loads of chemical toxins. Poster presentation at Water Environment

- Federation 76th Annual Conference and Exposition, Los Angeles, CA October 2003. 1st Place - Best Poster Award.
310. **Holbrook, R.D., Novak, J. T. and Love, N. G.** 2002. The role of particulate and colloidal material in the fate and transport of endocrine disrupting compounds. *Proceedings of the Water Environment Federation 75th Annual Conference and Exposition*, Chicago, IL October 2002.
 311. **Leung, S., Holst, T., Love, N. G. and Little, J. C.** 2002. A fundamental investigation of oxygen utilization in a biological aerated filter. *Proceedings of the Water Environment Federation 75th Annual Conference and Exposition*, Chicago, IL October 2002.
 312. **Kelly, R. T. II, Henriques, I. D. S., Dauphinais, J. and Love, N. G.** 2002. Evaluation of source-effect relationships for activated sludge response to shock loads of disruptive chemical toxins. *Proceedings of the Water Environment Federation 75th Annual Conference and Exposition*, Chicago, IL October 2002.
 313. **Wimmer, R. F. and Love, N. G.** 2002. Activated sludge deflocculation in response to chlorine addition: the potassium connection. *Proceedings of the Water Environment Federation 75th Annual Conference and Exposition*, Chicago, IL October 2002.
 314. **Love, N. G., Wimmer, R. F., Barker, S., Travis, J., Love, B. J., and Locascio, L.** 2002. Developing sensing technologies to enable proactive operations in biological wastewater treatment. Association of Environmental Engineering and Science Professors/American Academy of Environmental Engineers Conference, August 10-14, University of Toronto, Toronto, Canada, p. 24.
 315. **Love, N. G.** 2002. Invited keynote speaker. Status and Potential for Biosensors in Wastewater Treatment. European Union COST meeting, *Biosensors in Wastewater*, Milan Italy.
 316. **Holbrook, R. D., Novak, J. T. and Love, N. G.** 2001. Process considerations for the reduction of endocrine disruption potential in wastewater effluents. *Proceedings of the Water Environment Federation 74th Annual Conference and Exposition*, Atlanta, GA, October 2001.
 317. **Wimmer, R. F., Waddell, E., Barker, S. L. R., Suggs, A., Locascio, L., Love, B. J. and Love, N. G.** 2001. Development of an upset early warning device to predict deflocculation events. *Proceedings of the Water Environment Federation 74th Annual Conference and Exposition*, Atlanta, GA, October 2001.
 318. **Phipps, S. D. and Love, N. G.** 2001. Quantifying observed biomass yield in a biological aerated filter. *Proceedings of the Water Environment Federation 74th Annual Conference and Exposition*, Atlanta, GA, October 2001.
 319. **Love, N. G. and Bott, C. B.** 2001. Evaluating the Role of Microbial Stress Response Mechanisms in Causing Biological Treatment System Upset. Microorganisms in Activated Sludge and Biofilm Processes, Rome, Italy [see associated *Water Science and Technology* publication above].
 320. **Love, N. G., C. B. Bott, K. C. Terlesky.** 2001. Proteomic approach to assessing environmental stress in complex microbial communities." Oral presentation at the 221st American Chemical Society National Meeting, San Diego, CA. April 2, 2001.
 321. **Bott, C. B., Abrajano, J. and Love, N. G.** 2000. A physiological mechanism for activated sludge deflocculation caused by shock loads of toxic chemicals. *Proceedings of the Water Environment Federation 73rd Annual Conference and Exposition*, Anaheim, CA, October 14-18, 2000.
 322. **Bott, C. B., Duncan, A. J. and Love, N. G.** 2000. Stress Protein Expression in Domestic Activated Sludge in Response to Xenobiotic Shock Loading. First World Congress of the International Water Association, Paris France [see associated *Water Science and Technology* publication above].
 323. **Ma, G. and Love, N. G.** 2000. Creating Anoxic and Microaerobic Conditions in Sequencing Batch Reactors Treating Volatile BTX Compounds. 2nd International Symposium on Sequencing Batch Reactor Technologies, Narbonne, France [see associated *Water Science and Technology* publication above].
 324. **Fouratt, M., Smithers, C., Love, N. G., and Stevens, A. M.** 2000. The characterization of nitrifying bioaugmentation cultures. Poster presentation. *Abstracts of the 100th General Meeting of the American Society for Microbiology*, Los Angeles, CA. p. 491.

325. **Fouratt, M., Smithers, C., Love, N. G., and Stevens, A. M.** 2000. The characterization of nitrifying bioaugmentation cultures. Poster presentation. *Abstracts of the 100th General Meeting of the American Society for Microbiology*, Los Angeles, CA. p. 491.
326. **Delahaye, A., Gilmore, K. R., Husovitz, K. J., Love, N. G., Holst, T., Novak, J. T.** 1999. Distribution and characteristics of biomass in pilot-scale upflow biological aerated filters treating domestic wastewater. Podium presentation. *Proceedings of the International Association on Water Quality Conference on Biofilm Systems*, New York, NY, October 17-21.
327. **Love, N. G., Gilmore, K. G., Husovitz, K. J., Delahaye, A. P., Novak, J. T. and Little, J. C.** 1999. Performance of a Biological Aerated Filter System Treating Domestic Wastewater for BOD, Ammonia and TSS Removal: Pilot Plant Results. Podium presentation. *Proceedings of the Water Environment Federation 72nd Annual Conference and Exposition*, New Orleans, LA, October 9-13, 1999.
328. **Husovitz, K. L., Gilmore, K. R., Delahaye, A. P., Love, N. G., and Little, J. C.** 1999. The influence of upflow liquid velocity on nitrification in a biological aerated filter. Podium presentation. *Proceedings of the Water Environment Federation 72nd Annual Conference and Exposition*, New Orleans, LA, October 9-13, 1999.
329. **Love, N. G., Bott, C. B., Duncan, A. J., Terlesky, K. C.** 1999. Using the molecular stress response as an indicator of system stress in complex environmental systems. Selected Podium Presentation, Association of Environmental Engineering and Science Professors Research Frontiers Conference, Pennsylvania State University, University Park, PA.
330. **Bott, C. B., Terlesky, K. C., Duncan, A. Jane, Wheeler, J., and Love, N. G.** 1998. The immunochemical detection of stress proteins as an indicator of toxic discharges to activated sludge systems. Podium presentation. *Proceedings of the Water Environment Federation 71st Annual Conference and Exposition*, Orlando, FL, October 3-7, 1998. 1:203-214.
331. **Phillips, J. B., and Love, N. G.** 1998. Biological denitrification using upflow biofiltration in recirculating aquaculture systems: pilot-scale experience and implications for full-scale. Podium presentation. *Proceedings of the Second International Conference on Successes and Failures in Commercial Recirculating Aquaculture*, Roanoke, VA. pp 171-178.
332. **Gilmore, K. R., K. J. Husovitz, T. Holst, and N. G. Love.** 1998. Influent of organic and ammonia loading on nitrifier activity and nitrification performance for a two-stage biological aerated filter system. 1998. *Proceedings of the International Specialty Conference on Microbial Ecology of Biofilms: Concepts, Tools, and Applications*, International Association on Water Quality, Lake Bluff, Illinois, October 8-10, 1998. 309-316.
333. **Terlesky, K. C. and Love, N. G.** 1998. Detection of Hsp60 in activated sludge following exposure to xenobiotic compounds. Poster Presentation, *Abstracts of the 98th General Meeting of the American Society for Microbiology*, Atlanta, Georgia, p. 444.
334. **Terlesky, K. C., and Love, N. G.** 1998. Photoheterotrophy in activated sludge, Poster Presentation, *Abstracts of the 98th General Meeting of the American Society for Microbiology*, Atlanta, Georgia, p. 423.
335. **Fettig, J. D., and Love, N. G.** 1997. BTX degradation in activated sludge culture under denitrifying conditions. Podium presentation. *Proceedings from the 2nd International Conference on Microorganisms in Activated Sludge and Biofilm Processes*, International Association on Water Quality, Berkeley, CA, pp 579-582.
336. **Lubkowitz, E. M. and Love, N. G.** 1997. Development of a single sludge biological treatment scheme that incorporates nitrogen removal for a wastewater containing compounds inhibitory to nitrification. Podium presentation. *Proceedings of the Water Environment Federation 70th Annual Conference and Exposition*, Chicago, IL, October 18-22, 1997. 3(2):577-588.
337. **Rasnake, W. J., Love, N. G., Black, W. L., and Gruber, D.** 1997. Application of a toxicity reduction evaluation at a seafood processing facility which emphasized source reduction and treatment

- efficiency to minimize environmental risk. Podium presentation. *Proceedings of the 29th Annual Mid-Atlantic Industrial and Hazardous Waste Conference*, Roanoke, VA, pp 263-269.
338. **Terlesky, K. C.** and Love, N. G. 1997. Analysis of total protein present in activated sludge: applicability to monitoring the induction of indicator proteins in a microbial consortium. Poster presentation. *Abstracts of the 97th General Meeting of the American Society for Microbiology*, Miami Beach, Florida, p. 469.
 339. **Novak, J. T., Smith, M. L., and Love, N. G.** 1996. The impact of cationic salt addition on the settleability and dewaterability of an industrial activated sludge. Podium presentation. *Proceedings of the Water Environment Federation 69th Annual Conference and Exposition*, 2:211-222.
 340. **Love, N. G.** and Grady, C. P. L. Jr., 1995. Impact of glucose and m-toluate on the rate and extent of benzoate-mediated TOL plasmid instability. Poster presentation. *Abstracts of the 95th General Meeting of the American Society for Microbiology*, Washington, D.C.
 341. **Lu, Y.-T., Love, N. G., and Grady, C. P. L. Jr.** 1993. A microscopic technique to detect plasmid-free cells in a background of plasmid-containing cells. Poster presentation. *Abstracts of the 93rd General Meeting of the American Society for Microbiology*, Atlanta, Georgia.

Published Reports (not peer reviewed)

342. Margaret R. Mulholland*, Nancy G. Love*, Deborah A. Bronk, Vikram Pattarkine, Amit Pramanik, H. David Stensel. 2009. Establishing a research agenda for assessing the bioavailability of wastewater treatment plant-derived effluent organic nitrogen in treatment systems and receiving waters. Chesapeake Bay Scientific and Technical Advisory Committee Publication 09-002, <http://www.chesapeake.org/stac/Pubs/eonreport.pdf>. (*co-chairs)
343. Mulholland, M. R., Love, N. G., Pattarkine, V. M., Bronk, D. A. and Canuel, E. 2007. Bioavailability of Organic Nitrogen from Treated Wastewater. Chesapeake Bay Scientific and Technical Advisory Committee Publication 07-001.

Conference Presentations (not listed elsewhere; presenter in bold, student designations as defined previously)

344. Several posters to be presented at the Association of Environmental Engineering and Science Professors Biannual Conference, Arizona State University, Tempe, Arizona. May 15-16, 2019.
 - A. Noe-Hays, A. Davis, **N. J. Lowe**, **J. Eraci**, **Y. J. Qoi**, A. Sabido, K. Nace, **E. Rodriguez**, K. Wigginton, N. Love. Onsite production of concentrated urine-derived fertilizer in building-scale systems using remote process monitoring and control.
 - **E. Rodriguez**, **W. Tameh**, K. Wigginton, N. G. Love. Comparative Examination of Pharmaceutical Degradation in Synthetic Urine by a Dielectric Barrier Discharge Plasma Jet and UV/H₂O₂ Reactor.
 - Kerkez, B., N. G. Love, R. L. McCaffery, **M. Bartos**, J. Montgomery, **E. TerBeek**. A First Year College Course on Smart Water Systems.
345. Several talks were given by invitation at the Rich Earth Institute's Urine Summit, August 16-17, 2017 in Brattleboro, VT. As PI, Nancy Love was involved with developing content for all these slides and overseeing their presentations.
 - Malavika Sahai. Social Research for the UM INFEWS Project.
 - Heather Goetsch. Microbial risks in source-separated urine.
 - Enrique Rodriguez. Urine-derived fertilizer tool.
 - Dylan Raye-Leonard. Pilot-scale urine diversion and processing @ UMICH
346. **Enrique Rodriguez**, **Dylan Raye-Leonard** and **Heather Goetsch**. 2017. Overview and tour of the urine-diversion and urine processing @Michigan. AEESP Biannual Conference, June 21, 2017.
347. **McFarland, A.**, Larsen, L., Love, N.G. Stormwater Management in Low-Resource Settings Using Green Infrastructure. Fall 2017. Dow Sustainability Symposium, Poster Presentation, Ann Arbor, MI.

348. **Delgado Vela, J., Stadler, L., Love, N.G.** 2014. Elucidating Biotransformation of Pharmaceuticals by the Methanotroph *Methylosinus trichosporium* Ob3b. Gordon Research Conference Environmental Sciences: Water, Plymouth, NH, June 22-27. (poster presentation)
349. **Stadler, L. B., Su, L., Stevens, L., Delgado Vela, J., Aga, D. S., and Love, N. G.** 2013. Impact of Redox Environment and Microbial Populations on Pharmaceutical Biotransformation. Poster presentation. IWA 5th International Conference on Microbial Ecology and Water Engineering, Ann Arbor, MI, July 7 – 10. (poster presentation)
350. **Stadler, L. B., Su, L., Aga, D. S., and Love, N. G.** 2013. Impact of Dissolved Oxygen Concentration on Pharmaceutical Biotransformations during Wastewater Treatment. Poster presentation. Engineering Graduate Symposium, University of Michigan, Ann Arbor, MI, November 15. (1st place in Civil & Environmental Engineering track poster competition).
351. **Stadler, L. B., Su, L., Aga, D. S., and Love, N. G.** 2013. Impact of Redox Environment and Microbial Populations on Pharmaceutical Biotransformation during Wastewater Treatment. Poster presentation. 86th Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), Chicago, IL, October 5 – 9.
352. **Delgado Vela, J., Stadler, L., Love, N.G.** 2013. Elucidating Biotransformation of Pharmaceuticals by Methanotrophic Bacteria. Association of Environmental Engineering & Science Professors (AEESP) 50th Anniversary Conference, Golden CO, July 14-16.
353. **Stadler, L. B., Moline, C. J., Ernstoff, A. S., Su, L., Dapcic, A. D., Aga, D., and Love, N. G.** 2012. Pharmaceutical Fate in Biological Treatment Reactors Across Varying Redox Environments. Poster presentation. Gordon Research Conference, Environmental Science: Water. Holderness, NH, June 25 - 29.
354. **Love, N.G.** Challenges in Predicting Micropollutant Fate in Biological Processes. WWMod2012 Workshop on Modelling Micropollutant Fate in Biological Processes, Mont-Sainte-Anne, Québec, Canada, Feb 26-28, 2012.
355. **Keen, O., Baik, S., Stadler, L. B., Linden, K. G., Aga, D. S., and Love, N.G.** 2011. Assessing the Use of Advanced Oxidation and Biofiltration to Remove Recalcitrant Pharmaceuticals Downstream of Biological Treatment. Borchardt Conference, University of Michigan, Ann Arbor, MI, February 23.
356. **Cook, S. M.** and N.G. Love. A Regional Strategy for Managing Food Processing and Septage Waste: The Grand Traverse Region Collaboration. Oral presentation at *Biogas Summit*. Flint, MI, October 29, 2010.
357. **Smith, A.L., H.J. Dorer, N.G. Love, S.J. Skerlos, and L. Raskin.** Methane Production from Domestic Wastewater using Anaerobic Membrane Bioreactors. Oral presentation at *Biogas Summit*, Flint, Michigan, October 29, 2010.
358. **Cook, S. M.** and N.G. Love. A Regional Strategy for Managing Food Processing and Septage Waste: The Grand Traverse Region Collaboration. *Michigan Food Processors Summit*. Mt. Pleasant, MI, October 20, 2010
359. **S. Ghosh, C. M. Cremers, U. Jakob, and N. G. Love.** Chlorophenols modulate expression of the multidrug resistance efflux pump MexAB-OprM in *Pseudomonas aeruginosa*. Gordon Research Conference on Environmental Sciences: Water. Holderness, New Hampshire. June 20-25, 2010
360. **Guest, J.S., S. J. Skerlos, N. G. Love.** 2011. Quantitative sustainable design of wastewater treatment plants. Borchardt 2011 Conference: A Seminar on Advancements in Water and Wastewater, Ann Arbor, MI. February 24, 2011. Podium presentation.
361. **Cook, S. M.** and N.G. Love. 2011. Two-phase anaerobic codigestion of septage and food processing waste: designing a reliable, regional waste management strategy. *Borchardt 2011 Conference*, Ann Arbor, MI, February 23-24, 2011. Poster presentation.
362. **S. Ghosh, J. F. Muller, A. M. Stevens and N. G. Love.** Chlorinated phenols and multidrug resistance in *Pseudomonas aeruginosa*. *Borchardt 2011 Conference*, Ann Arbor, Michigan. February 23-24, 2011. Poster presentation

363. Smith, A.L., Z. Li, H.J. Dorer, N.G. Love, S.J. Skerlos, and L. Raskin. 2011. Energy recovery from domestic wastewater using anaerobic membrane bioreactors. Presented at *Borchardt 2011 Conference*, Ann Arbor, Michigan, February 23-24, 2011. Podium presentation.
364. Guest, J.S., S.J. Skerlos, N.G. Love. 2010. An optimization methodology for elucidating locality-specific sustainability trade-offs in wastewater treatment plant process selection. *IWA Leading Edge Conference on Water and Wastewater Technologies*, Phoenix, AZ, June 2, 2010. Poster presentation.
365. Knowlton, K. F., Love, N. G., Thames, T. H., and Z. Zhao. 2010. Is manure turning boy fish into girl fish? An emerging environmental challenge for livestock producers. In *Proceedings of the Virginia State Feed Association Conference*, Roanoke, VA February 19, 2010, pp 83-89.
366. Guest, J. S., Love, N. G., Lamp, J., Ellis, M. W., Naha, S., and Puri, I. K. 2008. Development of a Nitrifying Microbial Fuel Cell for Sustainable Wastewater Treatment. Podium presentation. The Borchardt Conference, Ann Arbor, MI, Feb 27, 2008.
367. Khunjar, W. O., Love, N. G., Skotnicka-Pitak, J., Aga, D. S., Yi, T., and Harper, W. F. Jr. 2008. Biotransformation of pharmaceuticals and personal care products during nitrification: the role of ammonia oxidizing bacteria. Podium presentation. The Borchardt Conference, Ann Arbor, MI, Feb. 27, 2008.
368. Aruguete, D.M., Guest, J.S., Shrout, J. D., Love, N. G., Hochella, Jr., M. F. 2008. Bacteria quantum dot interactions and their environmental implications. Poster presentation. *Environmental Nanoparticles: Science, Ethics and Policy*, University of Delaware, Newark, DE, November 10, 2008.
369. Skotnicka-Pitak, J., Aga, D. S., Khunjar, W. O., Love, N. G., Yi, T., Harper Jr., W. F. 2007. Characterization of EE2 metabolite in bioreactors with pure cultures of *Nitrosomonas europaea* and in activated sludge using LC/ITMS. *56th ASMS Conference on Mass Spectrometry*.
370. Aruguete, D.M., J.S. Guest, J.D. Shrout, N.G. Love, and M.F. Hochella, Jr. 2007. Bacterial physiology and viability in the presence of quantum dot nanoparticles: towards an environmental perspective. American Geophysical Union Fall Meeting, San Francisco, California, December 10, 2007.
371. Pinto, A.J., Hardin, S.C., Guest, J.S., Love, N.G., Shaw, A. 2007. Comparing toxic shock event response protocols for wastewater treatment plants. Podium Presentation. Virginia American Water Works Association and Virginia Water Environment Association Joint Annual Meeting (WaterJAM), Hampton, VA, September 16-20, 2007.
372. Guest, J.S., A.J. Pinto, N.G. Love, and A. Shaw. Corrective action strategies for enhanced biological phosphorus removal wastewater treatment plants during short-term and prolonged toxic shock events. Podium Presentation. Virginia American Water Works Association and Virginia Water Environment Association Water Joint Annual Meeting 2007 (Water JAM), Hampton, Virginia, September 16-20, 2007. *Winner 2007 Best Student Paper Award*.
373. Kelly, R. I. and Love, N. G. 2007. Detecting nitrification problems: A comparison of methods. Podium presentation at the Pacific Northwest Clean Water Association Annual Conference, September 9-12, 2007, Vancouver, British Columbia.
374. Guest, J. S., Naha, S., Frey, S., Sole, J.D., Love, N.G., Puri, I.K., Ellis, M. W. 2007. Development of a Nitrifying Microbial Fuel Cell for Sustainable Wastewater Treatment. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation. *First Place Student Poster – Environmental Technologies Category*.
375. Zhao, Z., Knowlton, K. F., Love, N. G. 2007. Can we remove estrogens in dairy manure during storage? Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation. *First Place Student Poster - Natural Environment Category*.
376. Pinto, A.J., Guest, J.S., Love, N.G., Shaw, A. 2007. Process controls at nutrient removal wastewater treatment plants during toxic shock events. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation.

377. Khunjar, W. O., Baik, S., Celiz, D., Yi, T., Henriques, I. D. S., Love, N. G., Aga, D. S., and Harper Jr., W. F. 2007. Evaluation of the fate of environmentally relevant micropollutants. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation.
378. Gilmore, K. R., Love, N. G. and Smets, B. F. 2007. Nitritation and autotrophic nitrogen removal in a hollow-fiber membrane-aerated biofilm reactor. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation.
379. Ikuma, K., Henriques, I. D. S., Rzigalinski, B. A., Love, B. J., and Love, N. G. 2007. Predicting the public health impact of oxidative toxins using a bacterial glutathione-gated potassium efflux stress response biosensor. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation.
380. Fraga-Muller, J., Ikuma, K., Stevens, A. M., and Love, N. G. 2007. Organic contaminants cause increased antibiotic resistance in *Pseudomonas aeruginosa*. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation.
381. Gungor, K., Arogo Ogejo, J., Knowlton, K. F., Love, N. G. 2007. Biological phosphorus removal to produce "Designer Manures" for dairy farms. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation.
382. Arogo Ogejo, J., Gungor, K., Wen, Z., Hu, Z., Yao, T., Love, N. G., Knowlton, K. F. 2007. Recovery of phosphorus from dairy manure as struvite. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation.
383. DeBusk, J., Arogo Ogejo, J., Love, N. G., Knowlton, K. F. 2007. Adjusting N:P ratios in liquid dairy manure through nitrification and chemical phosphorus removal to match crop fertilizer requirements. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation.
384. Beck, J., Gilmore, K. R., Knowlton, K. F., Arogo Ogejo, J., Love, N. G. 2007. Nitrogen removal from dairy waste using deammonification fueled by fermented dairy manure. Virginia Tech's Deans' Forum on the Environment. Blacksburg, VA. February 26, 2007, poster presentation.
385. Muller, J. F., Stevens, A. M. and Love, N. G. 2006. Organic contaminants cause increased antibiotic resistance in *Pseudomonas aeruginosa*. Poster presentation. Environmental Science – Water Gordon Research Conference, June 25-30, 2006, Holderness School, Plymouth, New Hampshire.
386. Zhao, Z., Knowlton, K. F., Love, N. G., and Fang, Y. 2006. Estrogen content of treated dairy manure. Virginia Water Science and Technology Symposium, November 1-3, 2006, Blacksburg, VA. 2006 Best Student Presentation Award.
387. Capuno, R. E., Love, N. G. and Smets, B. F. 2006. Mathematical modeling of nitrogen removal via a coupled nitrification:anaerobic ammonia oxidation biofilm in a hollow fiber membrane bioreactor. Virginia Water Environment Association Annual Meeting, May 1-3, 2006, Roanoke, VA. 2006 Best Student Paper Award.
388. Muftugil, M., Knowlton, K. F., and Love, N. G. 2005. Using enhanced biological phosphorus removal to minimize nutrient delivery from dairy farms to receiving waters. Presentation at AWWA/VWEA Joint Annual Meeting, Virginia Beach, Virginia, September 26-28, 2005.
389. Khunjar, W., Sweetman, P., Knowlton, K. F., Smets, B. F. and Love, N. G. 2005. Treatment of anaerobically stabilized dairy waste with an oxygen limited autotrophic nitrification plus denitrification (OLAND) fixed film reactor: startup and maintenance issues. Presentation at AWWA/VWEA Joint Annual Meeting, Virginia Beach, Virginia, September 26-28, 2005.
390. Haley, M., Grandstaff, J. and Love, N. G. 2005. Solving a mystery: a case study using root cause analysis to decipher a toxic upset event. Presentation at AWWA/VWEA Joint Annual Meeting, Virginia Beach, Virginia, September 26-28, 2005.
391. Muftugil, M. B., Love, N. G. and Knowlton, K. F. 2005. Using Enhanced Biological Phosphorus Removal (EBPR) to Alter the Nitrogen:Phosphorus Ratio of Dairy Manure and to Minimize Nutrient

- Delivery to Receiving Waters, Water Environment Federation Innovative Uses of Agricultural Wastes Conference, Chicago, IL, July 1-3, 2005.
392. Xu, Y., Linares, K., Meehan, K. A., Love, N. G. and Love, B. J. 2004. pH dependent optical properties of surface modified gold nanoparticles using bovine serum albumin coating. NSTI Nanotechnology Conference and Trade Show, Boston, MA, March 2004.
 393. Kelly II, R. T., and Love, N. G. 2004. Investigating the role of oxidative stress mechanisms in chemically inhibited nitrifiers. Poster presentation. Environmental Science – Water Gordon Research Conference, June 27-July 1, 2004, Holderness School, Plymouth, New Hampshire.
 394. Sandu, S., Hallerman, E. and Love, N. G. 2004. Ozone treatability and pilot-scale treatment for aquaculture effluent recovery and reuse. Presented at the International Conference on Successes and Failures in Commercial Recirculating Aquaculture, Roanoke, VA, July 2004.
 395. Fleming, D., Linares, K., Xu, Y., Love, B., Love, N. and Meehan, K. 2004. Use of immobilized bacterial elements in an environmental biosensor. The Eighth World Conference on Biosensors, Granada, Spain. May 24-26, 2004.
 396. Chakraborty, J., Rhodes, R.R., Stevens, A.M., and Love, N. G. 2004. Monitoring the adaptation of an enriched bacterial consortium in response to chemical stressors using DGGE and sequencing. Poster Presentation, 10th International Symposium on Microbial Ecology, Cancun, Mexico, August 22-27, 2004.
 397. Kelly, R. T. and Love, N. G. Mechanisms of chemical inhibition of nitrification in wastewater treatment. Virginia Water Environment Association, Roanoke, VA, May 2003. *2003 Best Student Paper Award.*
 398. Leung, S.M., Little, J. C., Holst, T., and Love, N. G. 2003. Oxygen transfer and consumption in a biological aerated filter. Virginia Water Environment Association, Roanoke, VA, May 2003.
 399. Dauphinais, J. L. and Love, N. G. 2003. Determination of toxic inhibition potential from industrial dischargers to a POTW using a respirometric assay. Virginia Water Environment Association, Roanoke, VA, May 2003.
 400. Bott, C.B., Henriques, I. D. S., Kelly, R. T., Dauphinais, J. L., and Love, N. G. 2002. WERF - Upset early warning systems for biological wastewater treatment. *Proceedings of the Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference*, Atlantic City, New Jersey, August 11-14, 2002.
 401. Holbrook, R.D., Novak, J. T. and Love, N. G. 2002. The role of particulate and colloidal material in the fate and transport of endocrine disrupting compounds. Joint Annual Meeting of the Virginia Water Environment Association and Virginia American Water Works Association, September 2002, Virginia Beach, VA.
 402. Leung, S., Holst, T., Love, N. G. and Little, J. C. 2002. A fundamental investigation of oxygen utilization in a biological aerated filter. Joint Annual Meeting of the Virginia Water Environment Association and Virginia American Water Works Association, September 2002, Virginia Beach, VA.
 403. Kelly, R. T. II, Henriques, I. D. S., Dauphinais, J. and Love, N. G. 2002. Evaluation of source-effect relationships for activated sludge response to shock loads of disruptive chemical toxins. Joint Annual Meeting of the Virginia Water Environment Association and Virginia American Water Works Association, September 2002, Virginia Beach, VA.
 404. Wimmer, R. F. and Love, N. G. 2002. Activated sludge deflocculation in response to chlorine addition: the potassium connection. Joint Annual Meeting of the Virginia Water Environment Association and Virginia American Water Works Association, September 2002, Virginia Beach, VA.
 405. Love, N. G. and Bott, C. B. 2002. In search of physiological mechanisms linked to wastewater treatment malfunctions caused by toxic chemicals. Oral presentation. Gordon Research Conference on Microbial Stress Responses. July 14-19, Salve Regina University, Newport, Rhode Island.

406. **Brazil, B. L.** and Love, N. G. 2002. Design and implementation of a pilot-scale nitrogen removal system employing fermentation of endogenous carbon sources to treat an aquaculture waste stream. Aquaculture America 2002, Jan. 27-30, San Diego, CA.
407. **Wimmer, R. F.** and Love, N. G. 2001. Potassium efflux as a bacterial defense mechanism against chlorinated disinfectants. Virginia Water Environment Association Annual Meeting, May 2001. Williamsburg, VA. *2001 Best Student Research Paper Award.*
408. **Brazil, B. L.** and Love, N. G. 2001. Design and implementation of a pilot-scale nitrogen removal system employing fermentation and endogenous carbon sources to treat an aquaculture waste stream. Virginia Water Environment Association Annual Meeting, May 2001. Williamsburg, VA.
409. **Bott, C. B.** and Love, N. G. 2000. Mechanistic evaluation of activated sludge deflocculation in response to shock loads of electrophilic xenobiotic chemicals. Virginia Water Environment Association Annual Meeting, May 2000, Roanoke, VA. *2000 Best Student Research Paper Award.*
410. **Ma, G.** and Love, N. G. 1999. BTX biodegradation under anoxic, microaerobic, and aerobic conditions in activated sludge sequencing batch reactors. Podium presentation. Virginia Water Environment Association Annual Meeting, May 1999, Tyson's Corner, VA. *1999 Best Student Research Paper Award.*
411. **Love, N.G., Delahaye, A., Gilmore, K. R., Holst, T., Husovitz, K. J., Little, J. C., and Novak, J. T.** 1999. Performance of a two-stage biological aerated filter system treating domestic wastewater for BOD and ammonia removal – pilot-scale results. Podium presentation. Virginia Water Environment Association Annual Meeting, May 1999, Tyson's Corner, VA.
412. **Love, N. G.** 1999. The Applicability of the Microbial Stress Response as an Indicator for In Situ and Up-Stream Wastewater Treatment Monitoring. Invited podium presentation. Virginia Water Environment Association Industrial Waste and Pretreatment Seminar, Charlottesville, VA.
413. **Ma, G., Bilyk, K.** and Love, N. G. 1999. Nitrite accumulation and inhibition during denitrification. Poster presentation. Virginia Water Environment Association Industrial Waste and Pretreatment Seminar, Charlottesville, VA. *2nd Place Best Student Research Award.*
414. **Phipps, S.,** Love, N. G., and Novak, J. T. 1999. Dewatering of oily wastewater sludge. Poster presentation. Virginia Water Environment Association Industrial Waste and Pretreatment Seminar, Charlottesville, VA. *3rd Place Best Student Research Award.*
415. **Love, N.G., Duncan, A. J., and Bott, C. B.** 1998. Detection of Hsp60 in activated sludge following heat shock and exposure to xenobiotic compounds. Poster presentation. Gordon Research Conference on the Microbial Stress Response, New England College, Henniker, NH.
416. **McInnis, J.,** Love, N. G., and Novak, J. T. 1998. Pilot Study of Aerobic Treatment of Waste Oily Sludge. Podium presentation. Virginia Water Environment Association Annual Meeting, Norfolk, Virginia.
417. **Fallon, A.,** Novak, J. T., and Love, N. G. 1998. Biological Treatment of Oily Sludge: Laboratory Studies. Podium presentation. Virginia Water Environment Association Annual Meeting, Norfolk, Virginia. *1998 Best Student Research Paper Award.*
418. **Phillips, J.,** and Love, N. G. 1997. Denitrification of recirculating aquaculture system waters using an upflow fixed film bioreactor. Podium presentation. Virginia Water Environment Association Annual Meeting, Roanoke, Virginia. *1997 Best Student Research Paper Award.*
419. **Perri, K. L.,** and Love, N. G. 1997. The effectiveness of sequential treatment strategies on the treatability of a high strength industrial wastewater. Podium presentation. Virginia Water Environment Association Annual Meeting, Roanoke, Virginia.
420. **Love, N. G.** and Grady, C. P. L. Jr. 1994. The impact of second substrates on the expression of a TOL plasmid. Poster presentation. Gordon Research Conference on Environmental Sciences: Water, New Hampton, New Hampshire.

421. Hegan (Love), N. G. and Pfeffer, J. T. 1987. Using oxidation-reduction potential as a monitoring device for biological phosphorus removal systems. Podium presentation. Texas Water Pollution Control Association Annual Meeting, Corpus Christi, Texas.

FUNDED PROJECTS

(Total Value: \$29.3 million; Share Value: \$7.4 million)

Research Support Received – External Programs

(Total Value: \$21.6 million; Share Value: \$5.8 million)

- | | |
|---|--|
| 1. Love, N. G. An effect-directed monitoring program for SWIFT effluent-Yr 2. Hampton Roads Sanitation District | \$130,000
3/1/17-continuing
100% share |
| 2. Love, N. G., J. P. Newell, M. Arabi, T. Bradley and S. P. McElmurry. Planning Grant: Engineering Research Center for Regenerative, Restorative and Resilient Community Infrastructure Systems (R3CIS). National Science Foundation. | \$100,000
09/18 – 08/20
100% share |
| 3. McElmurry, S. P., M. Seeger, N. G. Love, B. Kerkez, J. A. MacDonald Gibson. COLLABORATIVE PROPOSAL: CRISP 2.0 Type 2 – Water and Health Infrastructure Resilience and Learning (WHIRL). National Science Foundation. | \$2 million
09/18 – 08/22
5% share |
| 4. Love, N. G., V. Bertacco, B. Kerkez, L. Larsen. IRES: Advancing Cyber-Enabled, Decentralized Water Systems in Rapidly Developing Cities. National Science Foundation. | \$249,989
09/17 – 08/20
25% share |
| 5. Lastoskie, C. and N. G. Love. Workshop: Advancing Healthy Communities – the 2017 AEESP Meeting. National Science Foundation. | \$49,999
01/17 – 12/17
50% share |
| 6. Kerkez, B. and N. G. Love. Dynamic collection system reconfiguration through real-time modeling and control. Great Lakes Water Authority | \$131,864
5/22/17-11/21/18
10% share |
| 7. Daigger, G. T. and N. G. Love. Characterizing the performance and operational characteristics of the bioreactors at the Detroit, MI wastewater treatment plant. Great Lakes Water Authority. | \$100,000
5/1/17-4/30/17
10% share |
| 8. Daigger, G. T. and N. G. Love. Traverse City regional wastewater treatment plant's comma-shaped Gram positive bacteria study. Traverse City Regional Wastewater Treatment Plant. | \$120,000
9/1/16-12/31/17
25% share |
| 9. Love, N.G., D. S. Aga, R. Hardin, A. Noe-Hays, and K. R. Wigginton. INFEWS/T3: Advancing technologies and improving communication of urine-derived fertilizers for food production within a risk-based framework. National Science Foundation. | \$3 million
9/1/16-8/31/20
23% share |
| 10. McElmurry, S. (PI, Wayne State University), multiple co-PIs, N. G. Love is co-PI for project and PI for UM. Flint Area Community Health and Environment Partnership (FACHEP) Phase II Study-Enhanced disease surveillance and environmental monitoring in Flint, Michigan. State of Michigan Department of Health and Human Services. | \$2 million
8/1/16-12/31/17
~4% share |
| 11. Xu, M., J. Johnson, N. G. Love, S. Miller and J. Newell. UNS: U.S.-China: Integrated systems modeling of food-energy-water (FEW) nexus for urban sustainability. National Science Foundation. | \$499,990
6/1/16-5/31/20
10% share |
| 12. Love, N.G. and T. M. Olson. RAPID: Assessing microbiological quality across point-of-use filters deployed in Flint, MI. (\$30,250 cost share from College of Engineering). National Science Foundation. | \$49,999
4/1/16 – 3/31/2017
50% share |
| 13. Newell, J. P., G. T. Daigger, N. McClintock, A. Ramswami, J. Vandermeer. N.G. Love Senior Personnel and one of three proposal authors (with Newell and | \$69,242
7/01/15 – 12/31/15 |

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|-----|---|---|
| | Daigger). FEW Workshop: "Scaling Up" Urban Agriculture to Mitigate Food-Energy-Water Impacts. National Science Foundation. | 30% share |
| 14. | Love, N.G. and C. B. Bott. GOALI: Developing Sensor-Mediated Control Strategies that Allow Innovative Treatment of Nitrogen in Wastewater. National Science Foundation. | \$330,000
9/1/14 – 8/31/18
100% share |
| 15. | Wigginton, K. R., N. G. Love, J. Jimenez, A. Noe Hayes, D. S. Aga, C. B. Bott. Nutrient Recovery Through Urine Separation. Water Environment Research Foundation EPA Water Center. | \$554,034
5/1/14 – 12/31/15
10% share |
| 16. | Raskin, L. and N. G. Love. Evaluation of Waste Activated Sludge Anaerobic Contactor (WASAC™) as a Process for Energy Conservation at Domestic Wastewater Treatment Plants. Carollo Engineering. | \$104,481
3/1/2013-4/30/2014
50% share |
| 17. | Love, N.G., L. Raskin, C. Bott, S. Skerlos and A. Salvesson. Low Energy Alternatives for Activated Sludge-Advancing Anaerobic Membrane Bioreactor Technology. Water Environment Research Foundation. | \$527,000
1/1/2013-12/31/2014
33% share |
| 18. | Burns, M. A. and N. G. Love. Point-of-Use Water Quality Assessment (Sensors for Faucets). MASCO Inc. | \$583,868
9/1/12-8/31/15
10% share |
| 19. | Linden, K., D. S. Aga and N. G. Love. Demonstrating Advanced Oxidation/Biofiltration for Pharmaceutical Removal in Wastewater. Water Environment Research Foundation. | \$150,000
3/1/2012-8/31/2013
10% share |
| 20. | Raskin, L., S. J. Skerlos and N. G. Love. Low-temperature Anaerobic Membrane Bioreactors for Sustainable Domestic Wastewater Treatment. National Science Foundation (CBET-1133793) | \$404,365
9/1/11 – 8/31/14
10% share |
| 21. | Olson, T. and N. G. Love. Point-of-Use Devices as Incubators of Halogenated Phenol-Mediated Antibiotic Resistant Bacteria. National Science Foundation (CBET-1067450) (includes \$55,669 supplement to support dissertation work of Mr. Bayable Atnafu Kassa of Addis Ababa University) | \$373,556
5/1/11 – 4/30/15
50% share |
| 22. | Love, N. G., J. S. Guest and S. J. Skerlos. Quantitative Sustainable Design of Chesapeake-Elizabeth WWTP Upgrade Alternatives | \$8,500
1/1/11-6/30/11
33% share |
| 23. | Love, N. G. Understanding Microaerobic Metabolism in a Sustainable World. Water Environment Research Foundation | \$149,312
2/1/10–3/31/12
100% share |
| 24. | Savage, P. E., G. Keoleian, A. Matzger, S. Linic, and N. Lin (Senior Personnel = H. Wang and N. G. Love). EFRI HyBi: The Science and Engineering of Microalgae Hydrothermal Processing. National Science Foundation (EFRI 0937992) | \$2,000,000
9/1/09-8/31/13
2% share |
| 25. | Love, N. G., K. Linden and D. S. Aga. Demonstrating Advanced Oxidation Technologies on Pharmaceutical Removal Downstream of Biological Treatment. Water Environment Research Foundation. | \$80,000
1/1/10-5/15/11
34% share |
| 26. | Love, N. G. and L. Raskin. MSB – Investigating the Relationship Between Structural Diversity and Functional Resilience to Stress in Ammonia Oxidizers. National Science Foundation (IOS-0919629) | \$312,560
9/1/09-8/31/11
50% share |
| 27. | Raskin, L., S. J. Skerlos and N. G. Love. Anaerobic Membrane Bioreactors for Sustainable Wastewater Treatment. Water Environment Research Foundation | \$159,938
5/1/09-4/30/11
10% share |

28. Bott, C. B., Schafran, G., Mulholland, M. and Love, N. G. Integrated Fixed-Film Activated Sludge (IFAS) Demonstration Project at the James River Wastewater Treatment Plant (JRWWTP). Hampton Roads Sanitation District
\$100,000
4/1/08–3/31/09
30% share
29. Bronk, D., Canuel, E., Hatcher, P., Love, N. G. and Mulholland, M. Collaborative Research: Assessing the Bioavailability of Effluent Organic Nitrogen Along a Freshwater to Saltwater Continuum. National Science Foundation (NG Love original PI, shifted to co-PI upon moving to MI)
\$448,073
4/1/08–3/31/10
8% share
30. Love, N. G., Ellis, M., Puri, I. Development of a Nitrifying Microbial Fuel Cell for Sustainable Wastewater Treatment. Water Environment Research Foundation
\$155,869
3/15/07–3/14/09
50% share
31. Edwards, M. and Love, N. G. Effects of Nitrification on Distribution System Materials. American Water Works Research Foundation
\$350,000
1/15/07–11/15/09
8% share
32. Love, N. G. Anammox Studies in Association with DC Water and Sewer Authority. District of Columbia Water and Sewer Authority
\$95,000
9/1/06–8/31/08
100% share
33. Love, N. G. Development of Response Protocols for Wastewater Treatment Plants Exposed to CBR Contaminants. Water Environment Research Foundation.
\$300,000
1/1/06–8/31/08
100% share
34. Love, N. G. Preliminary Nitrification Experiments in Support of the Reject Water Treatment Study for The Blue Plains Advanced Wastewater Treatment Facility. District of Columbia Water and Sewage Authority.
\$32,133
12/24/05–6/24/06
100% share
35. Love, N. G. Planning, Mobilization, Enrichment and Evaluation of Anammox Organisms. District of Columbia Water and Sewage Authority.
\$7,364
11/15/05–9/30/06
100% share
36. Love, N. G. and Love, B. J. Detection of Toxins in the Water Supply. National Institute of Standards and Technology.
\$75,000
10/1/05–9/29/06
50% share
37. Love, N. G., Aga, D. S. and Harper, W. J. Collaborative Research: The Biotransformation of Hydrophobic and Hydrophilic Pharmaceuticals and their Metabolites by Nitrifying and Heterotrophic Cultures, National Science Foundation.
\$414,196
6/1/2005–5/31/2009
26% share
38. Bonner, J. S., Love, N. G., Jones, K. L., Zaslavsky, I., Baru, C. K., Fountain, T., Wentling, T. L., Collaborative Large-Scale Engineering Analysis Network for Environmental Research for the Coastal Margin, National Science Foundation.
\$85,309
8/1/2004–7/31/2005
8% share
39. Love, N. G., Knowlton, K. F. and Smets, B. F. Wastewater Treatment to Minimize Nitrogen Delivery from Dairy Farms to Receiving Waters. The Cooperative Institute for Coastal and Estuarine Environmental Toxicology.
\$214,200
9/1/2004–8/31/2006
60% share
40. Love, N. G. and Smets, B. F. Integrated Biotreatment Technology for Nitrogen-Rich Wastewaters in Advanced Life Support Systems. NASA.
\$419,119
10/1/2004–9/30/2007
90% share
41. Shaw, A. and Love, N. G. Feasibility Testing of Support Systems to Prevent Upsets. Water Environment Research Foundation.
\$175,000
3/1/04–2/28/06
15% share
42. Vikesland, P. and Love, N. G. Treatability Evaluation of Three Chlorinated Organic Compounds. Parsons Corporation.
\$115,730
12/19/03–12/31/04
50% share

43. Vikesland, P. and Love, N. G. Effects of Dissimilatory Iron Reducing Bacteria on the Longevity of Iron Permeable Reactive Barriers. Virginia Water Resources Research Center. \$18,500
7/1/03–6/30/04
20% share
44. Knowlton, K. F., Love, N. G. and Mullins, G. Wastewater Treatment to Minimize Nutrient Delivery from Dairy Farms to Receiving Waters. The Cooperative Institute for Coastal and Estuarine Environmental Toxicology. \$278,934
9/1/03–8/31/05
40% share
45. Love, N. G., Meehan, K. A., Love, B. J. A Microfluidic Biosensor for Environmental Monitoring. U. S. Environmental Protection Agency Midwest Hazardous Substances Research Center. \$279,022
10/1/03–9/30/06
34% share
46. Love, N. G. Factors Affecting the Performance of Acid Phase Digesters Treating Municipal Sludges: Stage I. District of Columbia Water and Sewer Authority. \$24,382
6/3/02–11/30/02
100% share
47. Vikesland, P., Love, N. G. and DiGiano, F. Assessment of Seasonal Practices and Impacts to Chloraminating Utilities. American Waterworks Association Research Foundation. \$528,362
7/1/02–1/1/05
22% share
48. Little, J. D. and Love, N. G. Optimizing a Biological Aerated Filter. Virginia Center for Innovative Technology. \$30,000
3/1/02–10/31/02
50% share
49. Little, J. C., Filz, G., Berry, D., Eick, M., Hochella, M., Love, N., Schreiber, M., Widdowson, M. GAANN: An Interdisciplinary Program in Environmental Biogeochemistry. US Dept of Education. Phase I: \$432,855
8/16/01–8/15/04
17% share
Phase II: \$373,599
8/16/04–8/15/07
8% share
50. Novak, J. T., Holbrook, D., Love, N. G. Endocrine Disrupting Potential in Wastewater Effluents and Biosolids. Virginia Water Resources Research Center. \$19,200
7/1/01–6/30/02
33% share
51. Love, N. G. and Little, J. C. Development of a Fundamentally-Based Model of a Biological Aerated Filter. Degremont North American Research and Development, Inc. \$55,420
6/11/01–8/10/02
50% share
52. Novak, J. T., Holbrook, D., Love, N. G. Endocrine Disrupting Potential in Wastewater Effluents and Biosolids. Virginia Water Resources Research Center. \$19,200
7/1/01–6/30/02
33% share
53. Bishop, P., Love, N. G., and Stevens, A. M. Adaptation of subsurface microbial biofilm communities in response to chemical stressors. EPA Hazardous Substance Research Center (Purdue University). \$214,000
9/1/01–8/31/03
50% share
54. Love, N. G., Upset early warning systems for biological treatment processes: fundamental studies on source-cause-effect relationships, Water Environment Research Foundation. \$326,646
1/1/01–4/30/04
100% share
55. Novak, J. T., Love, N. G., and Hughes, J. M. Testing of a Package Wastewater Treatment System and Consultation Services for UTD, Inc., UTD, Inc. STTR II. \$150,100
10/1/00–5/1/02
45% share
56. Love, N. G. and Love, B. J. New technologies: integrating microfluidics, materials science and microbiology: biosensors for protecting wastewater treatment systems. National Science Foundation. \$105,050
9/1/00–12/31/02
75% share
57. Love, N. G., Grizzard, T., and Novak, J. T. Virginia Tech's Plan of Study for the Loudoun County Sanitation Authority Broad Run Advanced Wastewater Treatment Pilot Plant Study. CH2M Hill, Inc. \$126,564
8/15/00–5/31/01
30% share

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| 58. | Love, N. G. Monitoring the full-scale Biofor® biological aerated filter system at Roanoke, VA. Inflico Degremont, Inc. | \$30,000
12/24/99–2/15/01
100% share |
| 59. | Love, N. G. and Bott, C. B. Assessment and framing workshop on upset early warning systems. Water Environment Research Foundation. | \$81,064
6/30/99–7/1/00
75% share |
| 60. | Love, N. G. and Stevens, A. M. Characterizing nitrifying bioaugmentation cultures. Sybron Chemical Company and Virginia Center for Innovative Technology. | \$90,000
9/1/98–6/30/00
50% share |
| 61. | Love, N. G. Evaluating protein induction patterns in industrial activated sludge cultures. Eastman Chemical Company. | \$43,294
12/1/97–12/31/98
100% share |
| 62. | Love, N. G., Little, J. C., and Novak, J. T. A Fundamentally-based investigation into the operational potential of the Biofor® biological aerated filter. Degremont North American Research and Development, Inc., with matching from the Virginia Center for Innovative Technology. | \$95,592
9/97–12/98
50% share |
| 63. | Widdowson, M. A. Love, N. G., and Novak, J. T. Evaluation of intrinsic bioremediation at the Douge Creek Subdivision, Ft. Belvoir, VA. Horne Engineering Services, Inc. | \$28,800
9/16/96–9/16/97
10% share |
| 64. | Love, N. G., Widdowson, M. A., and Novak, J. T. An investigation into the use of biologically-based treatment technologies for waste oil volume reduction at Norfolk Southern Corporation. Norfolk Southern Corporation and Virginia Water Resources Research Center. | \$116,835
8/1/96–8/31/98
45% share |
| 65. | Love, N. G. Laboratory studies to assess wastewater treatment strategies for Eastman Chemical Company. Eastman Chemical Company. | \$10,000
11/15/95–3/1/97
100% share |
| 66. | Love, N. G. The distribution and expression of BTX-degrading microorganisms in anoxic/aerobic single sludge biological treatment processes. National Science Foundation CAREER Award. | \$335,618
7/1/95–6/30/99
100% share |
| 67. | Love, N. G. The role of anoxic zones in preventing methylethyl ketoxime inhibition of nitrification. Virginia Water Resources Research Center and AlliedSignal Chemical Company. | \$20,000
4/1/95–4/30/96
100% share |
| 68. | Love, N. G. and Novak, J. T. The impact of industrial wastewater composition on the bioflocculation of biological sludges. Virginia Water Resources Research Center and Eastman Chemical Company. | \$30,000
2/1/95–2/29/96
50% share |

Research Support Received – Internal Programs
(Total Value: \$4.0 million Share Value: \$424,850)

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|-----|---|--|
| 69. | Love, N. G., M. Zimmerman. Partnerships that Support Confident Use and Management of Point-of-Use Drinking Water Units in Flint, MI. University of Michigan Poverty Solutions Center. | \$25,000
Jan 2020-present
90% share |
| 70. | Love, N.G., J. Eisenberg, A. Jones. Addressing the Food-WASH Nexus Across the Urban-Rural Gradient and Impacts on Childhood Stunting. University of Michigan MCubed 2.0 Program. | \$60,000
2015-2017
33% share |
| 71. | Schwank, J., M. Bareau, G. Fisher, P. Adriaens, E. Hill, N. G. Love, R. Clarke, J. Diana, K. Wigginton, D. Scavia, A. Hoffman, S. Miller, A. Huang-Saad, J. Trumpey, L. Raskin, S. Skerlos, A. Todd. REFRESH: Researching Fresh | \$2,998,832
7/1/14 – 6/30/17
1 of 17 co-PIs at 6% share each |

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| 86. | Love, N. G. and Stevens, A. M. Development of a collaborative research effort in environmental biotechnology as applied to biological wastewater treatment systems. Virginia Tech ASPIRES program. | \$32,080
1/98–12/99
50% share |
| 87. | Widdowson, M. A., Love, N. G., Novak, J. T., and Berry, D. F. Intrinsic bioremediation of contaminants in groundwater and soil: A strategy for research and partnerships. Virginia Tech ASPIRES program. | \$37,300
4/97–3/98
25% share |
| 88. | Love, N. G. Denitrification of recirculating aquaculture system waters. Virginia Tech Commercial Fisheries and Shellfish Technologies Program. | \$6,000
3/1/95–6/30/96
100% share |
| 89. | Randall, C. W. and Love, N. G. Identification of bacterial groups in biological nutrient removal systems. Virginia CORE Research Program. | \$4,300
7/1/94–6/30/95
50% share |

Institutional/ Educational Support Received – External Programs
(Total Value: \$3.7 million, Share Value: \$1.2 million)

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|-----|---|--|
| 90. | Love, N. G., Thole, K. A. and McCrickard, S. Development and Maintenance of a Portal Website for the NSF Advance Program, National Science Foundation. | \$94,671
9/1/04–8/31/06
12% share |
| 91. | Layne, P., Love, N. G. and Thole, K. A. ADVANCE Engineering Workshop, National Science Foundation. | \$61,381
8/1/04–1/31/05
33% share |
| 92. | McNamee, M., Hyer, P.B, Love, N. G. and Thole, K. A. ADVANCE Institutional Transformation Award for Virginia Tech. NSF. Co-initiated and co-authored proposal. Active participant from 2003-2006. | \$3,460,211
7/1/03–6/30/08
33% share |
| 93. | Oerther, D. and Love, N. G. Workshop to Explore the Value of Applying Molecular Biology Tools in Environmental Engineering, National Science Foundation. | \$21,400
10/1/01–9/30/02
10% share |
| 94. | Love, N. G. Making the Connection Program, Women in Engineering Programs and Advocates Network. | \$5,000
12/1/1999–1/31/2003
100% share |
| 95. | Little, J. C. and Love, N. G. Environmental Engineering: Creation of an electronic textbook. SUCCEED and College of Engineering Green Engineering Program. | \$30,416
1/1/95–5/31/97
50% share |

INVITED SEMINARS AND PRESENTATIONS

1. Invited Speaker – My Career Path: Seminar for CWEA-AWWA Student Chapter, California State Polytechnic University, Pomona. November 19, 2020.
2. Invited Speaker - Water Infrastructure in Resource-Constrained Shrinking and Expanding Cities: The Impact on Water Quality and Public Health. University of Arizona Department of Chemical and Environmental Engineering. September 21, 2020.
3. Invited Speaker: Rethinking America's Urban Water Infrastructure: Resource Efficiency, Access, and Public Health. University of Notre Dame, Civil and Environmental Engineering Challenges and Innovation Seminar Series. Virtual. September 17, 2020.
4. Invited Speaker. Water Infrastructure in Resource-Constrained Shrinking and Expanding Cities: The Impact on Water Quality and Public Health. Department of Environmental Engineering, Technical University of Denmark. January 17, 2020.
5. American Academy of Environmental Engineers and Scientists Kappe Lecturer

(<https://www.aees.org/kaplectureseries/kaplecturer.php>). 2019-2020. Offered two talks and presented both at most venues. Talk 1: "Rethinking America's Urban Water Infrastructure: Resource Efficiency, Access and Public Health" or Talk 2: "Environmental Engineering and Science Academic Scholarship in Service to Society: Our Role and Responsibility." Seventeen venues were selected among 20 applicants. Most venues involve more than one host school. Host schools include: Carnegie Mellon University and University of Pittsburgh; Clemson University; Georgia Tech; Michigan State University and Wayne State University; North Carolina State University; Old Dominion University; Rice University; University of Houston and University of Texas-Austin; Wilkes University; University of California-Merced; University of Cincinnati; University of Iowa; University of Minnesota; University of Nebraska-Lincoln; University of Rhode Island; University of Tennessee-Knoxville; University of Washington; University of Wisconsin.

6. Invited Keynote Speaker: The Microbiology of Drinking Water Systems in Shrinking and Expanding Resource-Constrained Cities and the Link to Public Health. International Water Association Microbial Ecology of Water Engineering (MEWE) Biannual Conference, Hiroshima, Japan, November 2019.
7. Invited Keynote Speaker: Achieving Resource Efficiency through Urine Separation and Nutrient Recovery: Advancing Hybrid Solutions for a Sustainable Future. Virginia Water Environment Association Education Seminar, May 8-9, 2019, Richmond, VA.
8. Invited Plenary Speaker: Shrinking and Expanding Urban Water Systems in Resource-Constrained Cities: the Link to Public Health. TransCon2019: Understanding and Managing Microbial Transformation of Environmental Contaminants, Monte Verita, Ascona, Switzerland. April 28 to May 3, 2019.
9. Invited speaker: The Microbial Characteristics of Drinking Water in Flint, MI: The Point-of-Use "Lead" Filter Field Study. Texas A&M University Department of Civil Engineering Environmental and Water Resources Seminar Series. March 4, 2019.
10. Invited speaker: Progress with Source Separation and Conversion to Fertilizer. Water Environment Federation Forum 2019: James Barnard Research Conference on Emerging Themes on Biological Phosphorus Removal and Recovery. January 14-15, 2019, Austin, TX.
11. Invited speaker: A Field Study of Microbial Changes Across Activated Carbon Block Point of Use Filters Deployed During the Flint Water Crisis. University of California-Davis. May 22, 2018.
12. Keynote speaker. "Water Infrastructure in Shrinking and Expanding Cities: The Impact on Water Quality and Public Health". Integrity of Creation Conference, The Global Water Crisis, Duquesne University. September 27-28, 2017, Pittsburgh, PA.
13. Invited speaker: Microbiome at the Global Tap: Understanding Microbial Colonization of Point-of-Use Drinking Water Filters. 14th Annual USEPA Drinking Water Workshop: Small Systems Challenges and Solutions, Cincinnati, OH, August 22-24, 2017.
14. Distinguished Lecture. Borchardt and Glysson Collegiate Professorship Induction. "At the interplay of water and health." Borchardt Conference, University of Michigan, February 22, 2017.
15. Distinguished Lecture. "The interplay between chemicals and microbiomes: an environmental biotechnology perspective." Wayne State "Water at Wayne" Lecture Series, Feb 1, 2017.
16. Invited speaker. "Microbiome at the Global Tap: Understanding microbial colonization of point-of-use drinking water filters." Marquette University, January 25, 2017
17. Invited speaker. "A Balancing Act: Achieving Nutrient Recovery via Urine-Derived Fertilizers while Managing Emerging Contaminants." University of Buffalo, November 11, 2016.
18. Distinguished Lecture. "At the Confluence: Nutrients, Trace Chemicals and Sustainability in the Urban Water Sector." Cornell University, October 24, 2016.
19. AEESP Distinguished Lecturer. 2015-2016 academic year. Presented one of two talks: "The Interplay Between Chemicals and Microbiomes: An Environmental Biotechnology Perspective", or "At the



RESOLUTION NO.: 210229
PRESENTED: MAY 19 2021
ADOPTED: _____

**RESOLUTION FOR THE APPOINTMENT OF SHAWN P. MCELMURRY TO THE WATER
SYSTEM ADVISORY COUNCIL**

BY THE MAYOR:

WHEREAS, pursuant to the State of Michigan's administrative rules section 325.10410(7), water supplies serving a population of 50,000 or more, and consecutive systems serving a population of 50,000 or more, shall create a water system advisory council;

WHEREAS, the council shall consist of at least five members, appointed by the community supply;

WHEREAS, the purpose of this council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.


WHEREAS, to be eligible for appointment to the council, an individual shall have a demonstrated interest in or knowledge about lead in drinking water and its effects;

WHEREAS, the council will develop plans for continuing public awareness about lead in drinking water, even when the action level is not exceeded; review public awareness campaign materials provided by the statewide drinking water advisory council to ensure the needs and interest of the community, considering the economic and cultural diversity of its residents, are addressed; advise and consult with the water supply on the development of appropriate plans for remediation and public education to be implemented if a lead action level is exceeded; advise and consult with the water supply on efforts to replace private lead service lines at locations where the owner declined service line replacement; assist in promoting transparency of all data and documents related to lead in drinking water within the water supply service area

WHEREAS, Mayor Neeley desires to appoint Shawn P. McElmurry to the Water System Advisory Council (See Attached Resume).


NOW THEREFORE BE IT RESOLVED, that Mayor Neeley hereby appoints Shawn P. McElmurry, address 2153 Engineering Building 5050 Anthony Wayne Drive, Detroit, MI 48202 to serve on the Water System Advisory Council.

APPROVED AS TO FORM:


Angela Wheeler (May 13, 2021 13:09 EDT)

Angela Wheeler, City Attorney

FOR THE CITY OF FLINT:



Sheldon A. Neeley, Mayor

APPROVED BY CITY COUNCIL:

Kate Fields, City Council President



CITY OF FLINT

RESOLUTION STAFF REVIEW FORM

TODAY'S DATE: 05/13/2021

BID/PROPOSAL#

AGENDA ITEM TITLE: RESOLUTION APPOINT MEMBERS TO THE WATER SYSTEM ADVISORY COUNCIL

PREPARED BY: Lottie Ferguson, Chief Resilience Officer
(Please type name and Department)

VENDOR NAME: N/A

BACKGROUND/SUMMARY OF PROPOSED ACTION:

In July 2018, the State of Michigan's Department of Environment, Great Lakes and Energy (EGLE) established the Lead and Copper Rule (LCR) under the Michigan Safe Water Drinking Act 399.

The purpose of the LCR is to minimize lead and copper in drinking water and indicates that a Water System Advisory Council (WSAC) is to be established on behalf of cities with 50,000 or more people served by its municipal water system. The WSAC is responsible for assisting with public awareness to create transparency and consumer confidence through statewide efforts of public education and action steps to ensure water quality through: water sampling, water treatment and lead service line replacement. A Council shall consist of a least five members appointed by the community supply. To be eligible for appointment to Council, an individual must have a demonstrated interest in or knowledge about lead in drinking water and its effects. At least one member must be a local resident who does not formally represent the interest of any incorporated organization.

In June 2019, the City of Flint began to establish a board for the WSAC by sending letters of interest to various community partners and members. The process of establishing the board did not see completion and was then put on hold due to a change in City administration. The open public meeting was also delayed due to the COVID-19 pandemic.

In February 2021, the Office of Public Health (OPH) sent notices of participation to public health community partners and community members and requested resumes of those individuals in order to submit an approval to Flint City Council to officially establish the Water System Advisory Council. The WSAC will be hosted by the City's OPH, who will organize and oversee the annual meeting, according to the Open Meetings Act 267. This annual meeting will inform and include the public on the City's lead and copper status, progress and next steps.

The names of the individuals who are Mayoral appointed to the Water System Advisory Council are: Dr. Lawrence Reynolds, Shawn P. McElmurry, PhD, and Benjamin Pauli, PhD, Environmental. The designated Appointees have either lived or worked within the Flint community during the Flint Water



CITY OF FLINT

BUDGET YEAR 1 \$0

BUDGET YEAR 2 \$0

BUDGET YEAR 3 \$0

OTHER IMPLICATIONS (*i.e., collective bargaining*):

STAFF RECOMMENDATION: (PLEASE SELECT): X ☐ APPROVED ☐ NOT APPROVED

DEPARTMENT HEAD SIGNATURE: Lottie Ferguson, Chief Resilience Officer
(PLEASE TYPE NAME, TITLE)

SHAWN P. MCELMURRY, PhD, PE

2158 Engineering Building
5050 Anthony Wayne Dr
Detroit, MI 48202

Office: (313) 577-3876
E-mail: s.mcelmurry@wayne.edu

EDUCATION

Ph.D. Environmental Engineering, Michigan State University, 2008
Dissertation: *Characterization of Dissolved Organic Carbon: Assessment of Copper Complexation and Export of Carbon from Watersheds as a Function of Land Use*
Co-Advisors: *Thomas C. Voice and David T. Long*
M.S. Environmental Engineering, Michigan State University, 2002
B.S. Chemistry major, Central Michigan University, 1998

EXPERIENCE

2014-current Associate Professor, Department of Civil & Environmental Engineering, Wayne State University
2008-2014 Assistant Professor, Department of Civil & Environmental Engineering, Wayne State University

RESEARCH PROJECTS IN LAST 5 YEARS (PI listed first, otherwise co-PI unless noted)

2018-2022 McElmurry, S.P.; Seeger, M.; O'Donnovan, K.; Sobeck, J.; Smith, R.; Kilgore, P.; Love, N.G.; Kerkez, B.; MacDonald Gibson, J.A. *CRISP 2.0 Type 2: Collaborative Research: Water and Health Infrastructure Resilience and Learning (WHIRL)*. National Science Foundation. Award #1832692 (\$1,570,000), 9/1/2018-8/31/2022

2020-2021 Harris, A.; Crouch, P.; McElmurry, S.P. *Urban Residential Soil Lead Remediation Strategies Project*. Erb Family Foundation, subcontract through EcoWorks, Cayuse Award #A17-0555. 1/1/2020-12/31/2021.

2018-2019 Dittrich, T.; Allen, M.; Boukhalfa, H.; Migdisov, A.; Mohanty, S.; McElmurry, S.P. *AOI 2 Coupled Hydrothermal Extraction and Ligand-Associated Organosilica Media Recovery of REEs from Coal Fly Ash*. U.S. Department of Energy. Award #DE-FE0031565 (\$538,849 total)

2017-2019 Harris, A.; Crouch, P.; McElmurry, S.P. *Urban Residential Soil Lead Remediation Strategies Project*. Erb Family Foundation, subcontract through EcoWorks, Cayuse Award #A17-0555. 6/1/2017-12/31/2019. (subcontract \$64,646)

2016-2017 McElmurry, S.P.; Kilgore, P.; Sobeck, J.; Seeger, M.; Zervos, M.; Sullivan, L. (+17 other investigators); *Flint Area Community Health and Environment Partnership (FACHEP) – PHASE II* State of Michigan, Contract #20163753-00. 6/1/2016-12/21/2017 (\$3,350,000 total)

2016-2017 McElmurry, S.P. *RAPID: Chemical treatment efficiency of point-of-use filters deployed in Flint, Michigan* National Science Foundation, Award #1633013 (\$49,992 total)

2016-2018 McElmurry, S.P.; Miller, C.J.; Pitts, D.K.; Sackey, D.J.; Seeger, M.; Masten, S.J.; Hanna-Attisha, M. *Rapid Response to Contaminants in Flint Drinking Water*. National Institute of Health; National Institute of Environmental Health Sciences. Award # 1R21ES027199-01 (\$422,110 total)

2016 McElmurry, S.P.; Kilgore, P. Seeger, M.; Zervos, M.; Sullivan, L. *Flint Area Community Health and Environment Partnership (FACHEP) – PHASE I* State of Michigan (\$123,091 total)

2015-2018 Nassauer, J., McElmurry, S.P., Sampson, J., Webster, J., Dewar, M., Alvarez, A., Schulz, A., Burton, A., Riseng, C. *Providing support for watershed based policy and management decisions: Lake Erie and City of Detroit*. Erb Family Foundation, subcontract through The University of Michigan (\$1,116,999 total; 82,392 subcontract)

2015-2018 Zhang, Y., Zhou, K., Lemke, L., McElmurry, S.P. (senior personnel) *An Integrated Approach to Ensuring Food Safety and Sustainability in Urban Agriculture in the Greater Detroit Area* US Department of Agriculture, grant # 2015-70001-23424 (\$272,532 total)

2015-2016 Zhang, Y., Lemke, L., Zhou, K., McElmurry, S.P. *Heavy metals and the development of antibiotic resistance in urban agriculture*. Center for Urban Responses to Environmental Stressors (CURES) Pilot Project funded through National Institute of Health Grant P30 ES020957 (\$80,000 total)

- 2015 Miller, C., Zhang, Y., **McElmurry, S.**, Lemke, L., Pothukuchi, K. *A Workshop for Integrative and Sustainable Food, Energy, and Water in Transitioning Urban Landscapes*. National Science Foundation, CBET Award # 1541869 (\$28,840 total)
- 2014-2016 Caruso, J.A.; **McElmurry, S.P.**; Moldenhauer, J.; Reynolds, R.; Sackey, D.; Schroeck, N; Stemmer, P; Westrick, J.; Zhang, K; Giblin, F. *Petcoke in an urban environment: A community-based participatory model*. Center for Urban Responses to Environmental Stressors (CURES) Pilot Project funded through National Institute of Health Grant P30 ES020957 (\$150,000 total)

AWARDS, CERTIFICATES, HONORS, and LICENSURE

- 2014, 2015 *Outstanding Reviewer Award*, Journal of Environmental Engineering, American Society of Civil Engineers
- 2013 *2013 ExCEED New Faculty Excellence in Teaching Award*, American Society of Civil Engineering
- 2012 *Outstanding Faculty Service Award*, Engineering Student and Faculty Board, College of Engineering, Wayne State University
- 2012 *Favorite Professor Award*, Wayne State University
- 2010, 2011 *Assistant Mentor ASCE ExCEED Teaching Workshop*–American Society of Civil Engineering (ASCE) – U.S. Military Academy, West Point, NY
- 2010 *Michigan Professional Engineering License* (#6201057641, date issued 09/24/2010)
- 2009 *ExCEED Fellow* –American Society of Civil Engineering (ASCE)

PEER REVIEWED PUBLICATIONS FROM LAST 5 YEARS

*corresponding author, §graduate student, †undergraduate student

- [48] §Alla, L.N.R.; §Monshi, M.; §Siddiqua, Z.; §Shields, J.; §Alame, K.; §Wahls, A.; §Akemann, C.; §Meyer, D.; §Crofts, E.J.; §Saad, F.; §El-Nachef, J.; §Antoon, M.; §Nakhle, R.; §Hijazi, N.; §Hamid, M.; §Gurdziel, K.; **McElmurry, S.P.**; Kashian, D.R.; Baker, T.R.; *Pitt, D.K. (2021) *Detection of endocrine disrupting chemicals in Danio rerio and Daphnia pulex: Step-one, behavioral screen*. Chemosphere, 271, p.129442. DOI:10.1016/j.chemosphere.2020.129442
- [47] Salim, A.; *Kilgore, P.; Mudall, G.; **McElmurry, S.P.**; Zervos, P.K.; (2020) *Trends in Legionnaires' disease-associated hospitalizations, United States, 2006–2010*. Open Forum Infectious Diseases. DOI: 10.1093/ofid/ofaa296
- [46] *O'Shay-Wallace, S.; Day, A.M.; §Islam, K.; **McElmurry, S.P.**; Seeger, M.W. (2020) *Boil Water Advisories as Risk Communication: Consistency between CDC Guidelines and Local News Media Articles*. Health Communication. DOI: 10.1080/10410236.2020.1827540
- [45] *Sobeck, J.; Smith-Darden, J.; Hicks, M.; Kernsmith, P.; Kilgore, P.E.; Treemore-Spears, L.; **McElmurry, S.P.** (2020) *Stress, Coping, Resilience and Trust during the Flint Water Crisis*. Behavioral Medicine. 46(3-4) DOI: 10.1080/08964289.2020.1729085 (PMID: 32787730)
- [43] *§Day, A.M.; §O'Shay-Wallace, S.; Seeger, M.W.; **McElmurry, S.P.** (2020) *Gender and Presence of Children: Examining Media Uses, Informational Needs, and Source Preferences during the Flint, Michigan Water Crisis*. Journal of International Crisis & Risk Communication Research DOI: 10.30658/jicrcr.3.2.2.
- [42] *Zahran, S.; Mushinski, D.; **McElmurry, S.P.**; Keyes, C. (2020) *Water Lead Exposure Risk in Flint, Michigan after Switchback in Water Source: Implications for Lead Service Line Replacement Policy*. Environmental Research. 181, 108928. DOI: 10.1016/j.envres.2019.108928 (NIHMSID: 1552950; PMID: 31787215)
- [41] *§Day, A.M.; §O'Shay-Wallace, S.; Seeger, M.W.; **McElmurry, S.P.** (2019) *Informational Sources, Social Media Use, and Race in Flint, Michigan's Water Crisis*. Communication studies. DOI: 10.1080/10510974.2019.1567566 (NIHMS ID: 1518397)
- [40] Zahran, S., Iverson, T., **McElmurry, S.P.**, Weiler, S., & Levitt, R. (2019). *Hidden Costs of Blight and Arson in Detroit: Evidence From a Natural Experiment in Devil's Night*. Ecological Economics, 157, 266-277. DOI: 10.1016/j.ecolecon.2018.11.009
- [39] Zahran, S.; **McElmurry, S.P.**; Kilgore, P.; Mushinski, D.; §Press, D.; Love, N.; Sadler, R.; *Swanson, M.S. (2018) *Assessment of the Legionnaires' Disease outbreak in Flint, Michigan*. Proceedings of the National Academy of Sciences, February 201718679. DOI: 10.1073/pnas.1718679115
- [38] Byrne, B.G.; McColm, S.; **McElmurry, S.P.**; Kilgore, P.E.; Sobeck, J.; Sadler, R.; Love, N.G.; *Swanson, M.S. (2018) *Prevalence of infection-competent serogroup 6 Legionella pneumophila within premise plumbing in Southeast Michigan*. mBio. 9 (1), e00016-18. DOI:10.1128/mBio.00016-18
- [37] Zahran, S.; ***McElmurry, S.P.**, Sadler, R.C. (2017) *Four Phases of the Flint Water Crisis: Evidence from Blood Lead Levels in Children*. Environmental Research. 157, 160–172. DOI: 10.1016/j.envres.2017.05.028 (NIHMSID: 880419)

- [36] Zahran, S., Iverson, T., **McElmurry, S.P.**, Weiler, S. (2017) *The Effect of Leaded Aviation Gasoline on Blood Lead in Children*. Journal of the Association of Environmental and Resource Economists. 4:2, 575-610 DOI: [10.1086/691686](https://doi.org/10.1086/691686)
- [35] *Masten, S.J.; Davies, S.H.; **McElmurry, S.P.** (2016) Flint Water Crisis: What happened and why? *Journal of American Water Works Association*. 108:12, 22-34. DOI: [10.5942/jawwa.2016.108.0195](https://doi.org/10.5942/jawwa.2016.108.0195) (NIHMSID: 845813)
- [34] [§]Pathirathna, P., [§]Siriwardhane, T., **McElmurry, S.P.**, Morgan, S.L., *Hashemi, P. (2016) *Fast voltammetry of metals at carbon-fiber microelectrodes: towards an online speciation sensor*. Analyst. 141, 6432 – 6437 DOI: [10.1039/C6AN01807F](https://doi.org/10.1039/C6AN01807F)
- [33] [§]Siriwardhane, T., [†]Sulkanen, A., [§]Pathirathna, P., [§]Tremonti, A., **McElmurry, S.P.**, *Hashemi, P. (2016) *Voltammetric Characterization of Cu(II) Complexation in Real Time*. Analytical Chemistry. 88 (15), 7603–7608. DOI: [10.1021/acs.analchem.6b01312](https://doi.org/10.1021/acs.analchem.6b01312)
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- [31] Song, L. Li, L.; Yang, S.; Lan, J.; He, H.; **McElmurry, S.P.**; Zhao, Y. *Sulfamethoxazole, Tetracycline and Oxytetracycline and Related Antibiotic Resistance Genes in a Large-scale Landfill, China*. (2016) Science of the Total Environment, 551, 9-15. DOI: [10.1016/j.scitotenv.2016.02.007](https://doi.org/10.1016/j.scitotenv.2016.02.007)
- [30] Chambers, L.G.; Chin, Y.-P.; Filippelli, G.M.; Gardner, C.B.; Herndon, E.M.; Long, D.T.; Lyons, W.B.; Macpherson, G.L.; **McElmurry, S.P.**; McLean, C.E.; Moore, J.; Moyer, R.P.; Nezat, C.A.; Soderberg, K.; Teutsch, N.; Widom, E. (2016) *Developing the scientific framework for urban geochemistry*. Applied Geochemistry. 67,1-20 DOI: [10.1016/j.apgeochem.2016.01.005](https://doi.org/10.1016/j.apgeochem.2016.01.005)
- [29] [§]Faust, K.M., *Abraham, D.D., **McElmurry, S.P.** (2015) *Sustainability of Water and Wastewater Infrastructure in Shrinking Cities*. Public Works Management & Policy, 1-29. DOI: [10.1177/1087724X15606737](https://doi.org/10.1177/1087724X15606737)
- [28] *Harris, A., [§]Rogers, M.M., Miller, C.J., Wang, C., **McElmurry, S.P.** (2015) *Residential emissions reductions through variable timing of electricity consumption* Applied Energy. 158, 484-489 DOI: [10.1016/j.apenergy.2015.08.042](https://doi.org/10.1016/j.apenergy.2015.08.042)
- [27] Caruso, J.A., Zhang, K., Schroeck, N.J., **McElmurry, S.P.** (2015) *Petroleum Coke in the Urban Environment: A Review of Potential Health Effects*. International Journal of Environmental Research and Public Health. 12, 6218-6231; DOI: [10.3390/ijerph120606218](https://doi.org/10.3390/ijerph120606218)
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- [25] *Wang, C., Miller, C.J., Nehrir, M.H., Sheppard, J.W., **McElmurry, S.P.** (2015) *A Load Profile Management Integrated Power Dispatch Using a Newton-Like Particle Swarm Optimization Method*. Water and Energy of Sustainable Computing. 8, 8-17. DOI: [10.1016/j.suscom.2014.10.001](https://doi.org/10.1016/j.suscom.2014.10.001)
- [24] [§]Alighalehbabakhani, F., [§]Abkenar, S.M.S., Jin, S.X., *Miller, C.J., Fracasso, P.T., **McElmurry, S.P.** (2015) *Comparative evaluation of three distinct energy optimization tools applied to real water network (Monroe)*. Sustainable Computing: Informatics and Systems. 8, 29-35. DOI: [10.1016/j.suscom.2014.11.001](https://doi.org/10.1016/j.suscom.2014.11.001)
- [23] [§]Abkenar, S.M.S., [§]Stanely, S.D., Chase, D.V., Miller, C.J., **McElmurry, S.P.** (2015) *Evaluation of genetic algorithms using discrete and continuous methods for pump optimization of water distribution systems*. Sustainable Computing: Informatics and Systems. 8, 18-23. DOI: [10.1016/j.suscom.2014.09.003](https://doi.org/10.1016/j.suscom.2014.09.003)
- [22] [§]Rogers, M.M., [§]Xu, G., *Miller, C.J., **McElmurry, S.P.**, Shi, W., [§]Wang, Y., Miller, S.S., Wang, C., [§]Xu, C.Z. (2015) *HERO: A Smart-Phone Application for Location Based Emissions Estimates*. Sustainable Computing: Informatics and Systems. 8, 3-7. DOI: [10.1016/j.suscom.2014.09.001](https://doi.org/10.1016/j.suscom.2014.09.001)

For complete list go to: <https://scholar.google.com/citations?user=vtHjmu8AAAAJ&hl=en>

OTHER ACADEMIC OUTPUT AND UNIVERSITY SERVICE (select, last 5 years)

- Love, N.G.; Jackson, R.; **McElmurry, S.P.** (2019) Water stays in the pipes longer in shrinking cities – a challenge for public health. The Conversation. 24 May 2019. <https://theconversation.com/water-stays-in-the-pipes-longer-in-shrinking-cities-a-challenge-for-public-health-116119>
- Love, N.G., Gebrie, G.S., Adejumo, H.A., **McElmurry, S.P.** (2019) Drinking Water Infrastructure in Shrinking and Expanding Cities: The Impact on Water Quality and Public Health. In G. Magil and J. Benedict (Eds) Cascading Challenges in the Global Water Crisis. Chapter Three (p. 23-39), Cambridge Scholars Publishing, ISBN: 978-1-5275-2447-7
- Zarb, A.R, **McElmurry, S.P.**, Moldenhauer, J.A. (2017) *Technical to Teachable: The Flint Water Crisis and the Design of Instructions for Assembling Water Sampling Kits*. In Design, User Experience, and Usability: Theory, Methodology, and Management, Springer.

- Zahran, S., Laidlaw, M.A.S., McElmurry, S.P., Filippeli, G.M., Taylor, M. (2015) Linking Source and Effect: Re-suspended Soil Lead, Air Lead, and Children's Blood Lead Levels in Detroit, Michigan. In A. Hassan (Ed) *Everyday Environmental Toxins: Children's Exposure Risks* (p. 163-181). Apple Academic Press: Waretown, NJ, ISBN: 978-1-77188-101-2
- US EPA Workshop titled Michigan Water, Public Health and Healthcare Coordination Workshop, 9/16/2019, Wayne State University, Detroit, MI (Organizer and presenter)
- US EPA Webinar titled A Critical Connection: The Water and Healthcare/Public Health Sectors Webinar - Healthcare/Public Health Sector Focus, 9/26/2019 (Presenter)
- US EPA Webinar titled A Critical Connection: The Water and Healthcare/Public Health Sectors Webinar - Water Sector Focus, 9/19/2019 (Presenter)

TEACHING AND ADVISING

Undergraduate Courses

- CE4210 – Introduction to Environmental Engineering (2014, 2015)
- CE4140 – Environmental Engineering Design (2017, 2018, 2019, 2020)
- CE5220 – Environmental Chemistry (2014, 2016)
- CE5230 – Water Supply and Wastewater Engineering (2017, 2019, 2021)
- CE5995 – Special Topics: Advanced Drinking Water Treatment (2016, 2019)

Graduate Courses

- CE 6150 – Hydrologic Analysis and Design (2015, 2018, 2020)
- PSC/CE6910 – Waste Pharmaceuticals: Environmental Impact and Management (2015)
- CE7260 – Surface Water Quality Modeling (2015)
- CE7580 – Environmental Remediation (2016)
- CE7995 – Special Topics: Advanced Drinking Water Treatment (2016, 2019)

Committee Chair of 4 Ph.D. and 4 M.S. Thesis Students

Committee Member of 15 Ph.D. and 4 M.S. Thesis Students

OTHER SERVICE

Committee Assignments

- Michigan State University Department of Civil and Environmental Engineering Professional Advisory Board (2016-current)
- Graduate Program Officer, Department Civil & Environmental Engineering (2014-2016, 2020-current)
- College of Engineering P&T Committee (2016-2019)
- Wayne State University Water Safety Committee (2018-current)
- Technical Advisory Committee, Flint, MI (2015-current)
- Great Lakes Science Advisory Board's Taking Action on Lake Erie (TAcLE) work group (2012-2013). Work resulted in the following report:

Lake Erie Ecosystem Priority | Scientific Findings and Policy: Recommendations to Reduce Nutrient Loadings and Harmful Algal Bloom, Draft Summary Report, August 2013. International Joint Commission. Available at: <http://www.ijc.org/files/tinymce/uploaded/Draft%20LEEP-Aug29Final.pdf>

Public Presentations as an Expert in Discipline

- Featured in "Flint's Deadly Water" produced by FRONTLINE, SEASON 2019: EPISODE 16; premiered September 10, 2019 on PBS. Available at <https://www.pbs.org/wgbh/frontline/film/flints-deadly-water>.
- 67TH DISTRICT COURT FOR THE COUNTY OF GENESEE. THE PEOPLE OF THE STATE OF MICHIGAN v. NICHOLAS LYON (Nov. 15, Dec. 1, 2017)
- 67TH DISTRICT COURT FOR THE COUNTY OF GENESEE. THE PEOPLE OF THE STATE OF MICHIGAN v. EDEN WELLS (Dec. 11, 12, 2017)
- Featured technical expert on *Secrets of the Earth: Mother Nature Reclaims Buildings*, a TV show that premiered on the Weather Channel on October 27, 2014
- WJBK-TV Health Works, My Fox Detroit. Interviewed regarding Pb research (~133,000 viewers), Aired June 14, 2013 <http://www.myfoxdetroit.com/video?autoStart=true&topVideoCatNo=default&clipId=8991514>
- WDET-Radio Interview discussing resuspension of Pb, Aired March 19, 2013

Proposal Review Panels

- National Institute of Environmental Health Sciences – Special Emphasis Panel
- National Institute of Environmental Health Sciences – Research to Action: Assessing and Addressing Community Exposures to Environmental Contaminants
- National Institute of Health - Social Sciences and Population Studies Study Section

- National Science Foundation - Civil, Mechanical and Manufacturing Innovation
- National Science Foundation – Chemical, Bioengineering, Environmental, and Transport Systems
- National Science Foundation - Geography and Spatial Sciences

Editorial Board Memberships

- *Toxics* (ISSN 2305-63040; Impact Factor = 3.271)

Reviewer

- *Applied Geochemistry*
- *Aquatic Geochemistry*
- *Chemosphere*
- *Desalination Water Treatment*
- *Elementa: Science of the Anthropocene*
- *Environmental Geochemistry & Health*
- *Environmental Research*
- *Environmental Science & Technology*
- *Environmental Science & Technology Letters*
- *Environmental Science: Processes & Impacts*
- *Environmental Science: Water Research & Technology*
- *Geohealth*
- *International Journal of Distributed Sensor Networks*
- *Journal of Environmental Engineering*
- *Journal of Environmental Pollution*
- *Journal of Exposure Science and Environmental Epidemiology*
- *Journal of Health and Place*
- *Landscape Architecture*
- *Photogrammetric Engineering and Remote Sensing*
- *Proceedings of the National Academy of Sciences*
- *Science of the Total Environment*
- *Sustainable Chemistry*
- *Toxics*
- *Water Science and Technology: Water Supply*



RESOLUTION NO.: 210454
PRESENTED: SEP 22 2021
ADOPTED: _____

**RESOLUTION FOR THE APPOINTMENT LAURA SULLIVAN TO THE WATER SYSTEM
ADVISORY COUNCIL**

BY THE MAYOR:

WHEREAS, pursuant to the State of Michigan's administrative rules section 325.10410(7), water supplies serving a population of 50,000 or more, and consecutive systems serving a population of 50,000 or more, shall create a water system advisory council;

WHEREAS, the council shall consist of at least five members, appointed by the community supply;

WHEREAS, the purpose of this council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.

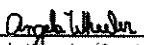
WHEREAS, to be eligible for appointment to the council, an individual shall have a demonstrated interest in or knowledge about lead in drinking water and its effects;

WHEREAS, the council will develop plans for continuing public awareness about lead in drinking water, even when the action level is not exceeded; review public awareness campaign materials provided by the statewide drinking water advisory council to ensure the needs and interest of the community, considering the economic and cultural diversity of its residents, are addressed; advise and consult with the water supply on the development of appropriate plans for remediation and public education to be implemented if a lead action level is exceeded; advise and consult with the water supply on efforts to replace private lead service lines at locations where the owner declined service line replacement; assist in promoting transparency of all data and documents related to lead in drinking water within the water supply service area

WHEREAS, Mayor Neeley desires to appoint Laura Sullivan to the Water System Advisory Council (See Attached Resume).

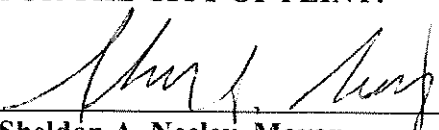
NOW THEREFORE BE IT RESOLVED, that Mayor Neeley hereby appoints Laura Sullivan address 3101 Hawthorne Drive, Flint, MI 48503 to serve on the Water System Advisory Council.

APPROVED AS TO FORM:


Angela Wheeler (Sep 15, 2021 15:25 EDT)

Angela Wheeler, City Attorney

FOR THE CITY OF FLINT:



Sheldon A. Neeley, Mayor

APPROVED BY CITY COUNCIL:

Kate Fields, City Council President



CITY OF FLINT


RESOLUTION STAFF REVIEW FORM

TODAY'S DATE: 09/15/2021

BID/PROPOSAL#

AGENDA ITEM TITLE: RESOLUTION APPOINT MEMBERS TO THE WATER SYSTEM ADVISORY COUNCIL

PREPARED BY: Lottie Ferguson, Chief Resilience Officer
(Please type name and Department)


Lottie Ferguson (Sep 15, 2021 10:04 EDT)

VENDOR NAME: N/A

BACKGROUND/SUMMARY OF PROPOSED ACTION:

In July 2018, the State of Michigan's Department of Environment, Great Lakes and Energy (EGLE) established the Lead and Copper Rule (LCR) under the Michigan Safe Water Drinking Act 399.

The purpose of the LCR is to minimize lead and copper in drinking water and indicates that a Water System Advisory Council (WSAC) is to be established on behalf of cities with 50,000 or more people served by its municipal water system. The WSAC is responsible for assisting with public awareness to create transparency and consumer confidence through statewide efforts of public education and action steps to ensure water quality through water sampling, water treatment and lead service line replacement. A Council shall consist of a least five members appointed by the community supply. To be eligible for appointment to Council, an individual must have a demonstrated interest in or knowledge about lead in drinking water and its effects. At least one member must be a local resident who does not formally represent the interest of any incorporated organization.

In June 2019, the City of Flint began to establish a board for the WSAC by sending letters of interest to various community partners and members. The process of establishing the board did not see completion and was then put on hold due to a change in City administration. The open public meeting was also delayed due to the COVID-19 pandemic.

In February 2021, the Office of Public Health (OPH) sent notices of participation to public health community partners and community members and requested resumes of those individuals in order to submit an approval to Flint City Council to officially establish the Water System Advisory Council. The WSAC will be hosted by the City's OPH, who will organize and oversee the annual meeting, according to the Open Meetings Act 267. This annual meeting will inform and include the public on the City's lead and copper status, progress and next steps.



CITY OF FLINT

BUDGET YEAR 2 \$0

BUDGET YEAR 3 \$0

OTHER IMPLICATIONS (*i.e., collective bargaining*):

STAFF RECOMMENDATION: (*PLEASE SELECT*): X ☒ **APPROVED** ☐ **NOT APPROVED**

DEPARTMENT HEAD SIGNATURE: Lottie Ferguson, Chief Resilience Officer
(*PLEASE TYPE NAME, TITLE*)

Laura L. Sullivan, Ph. D.

Permanent Address

3101 Hawthorne Drive, Flint, MI 48503

Cell Phone: 810.252.6582

Email: dr.laura2@gmail.com

Address during home reconstruction (2021)

5071 Rockwood, Grand Blanc, MI 48439

EDUCATION

Ph. D. Materials Science
& Engineering
UTexas Arlington (1992)

Investigated the effects of morphology on mechanical behavior of semicrystalline thermoplastics using thermal analysis, mechanical testing and SEM.

M. S, Materials Science
UTexas Arlington (1988)

Investigated the mechanical response of amorphous thermoplastic using DSC, TMA, and TGA thermal analysis techniques.

B. S., Premed Engineering
Arizona State Univ. (1984)

Studied biomedical applications in engineering. Studied radiographic techniques and biocompatibility of hip joints.

EXPERIENCE

Professor (2007-present)
Assoc. Prof. (1996-2007)
Assist. Prof. (1992-1996)
Kettering University
Flint, Michigan

DESIGNING AND FACILITATING ENGINEERING CURRICULA

Developed engineering laboratory for new students, introducing appreciative inquiry through assistive device design. Managed Polymer Laboratory, bringing \$600K in capital improvements. Secured private funding for pilot course, *Engineering for Global Benefit*. Research to identify sustainable water filtration and collection technologies for the developing world.

**Associate Dean
of Students**

Office of Kettering University
Student Life
Kettering University
(1999-2002)

ENHANCING STEM STUDENT RETENTION

Created leadership development program (*COMPASS*) increasing student engagement. Developed, acquired funding for, and implemented a recruitment program for women in engineering that was recognized with the WEPAN Initiative Award. Advised and invigorated student government. Conducted longitudinal study of the effect of cooperative work on satisfaction and retention in engineering.

Founder & Advisor

Engineers Without
Borders (EWB),
and
Student Association
for Global
Engineering (SAGE)
Kettering University
2005 - present

CIVIC ENGAGEMENT FOR ENGINEERING STUDENTS

Initiated Service Learning collaborations with community stakeholders in Flint, Michigan. Founded the Kettering University chapter of Engineers Without Borders (which became a local Kettering student organization, SAGE, in 2016). Facilitated inner-city student projects for schools and disabled residents in Flint. Oversaw student potable water projects in Mexico, Haiti, and South Africa. Initiated undergraduate thesis and service learning experiences through alternative energy adaptation on the Oglala Lakota Reservation in Pine Ridge, South Dakota.

RELEVANT WORK ON FLINT WATER CRISIS EXPERIENCE

- Mayoral Appointee, City of Flint Technical Advisory Committee (2015-present)
- Team member and Flint Resident representative to Flint Area Community Health and Environment Partnership, assisting with sample collection and logistics. (2015-17)
- Governor's Appointee, Flint Water Interagency Coordinating Committee (2016-18)
- Assisted in the design of testing protocol for new drinking fountains at Flint Community Schools (2017-18). Supervised laboratory testing of activated carbon filter, porous membrane filter, and ultraviolet light disinfection components (2018-21). Coordinated installation and field testing of drinking fountains (2021).

GRANTS AND AWARDS

Cooperative Education and Internship Association,

Ralph Tyler Award for Research in Cooperative Education. (2006)

General Motors Foundation,

Biosand Filtration for Potable Water for the Village of Estanque de Leon, Mexico. \$35K (2008)

Kettering University Alumni Association,

Distinguished Faculty Citizenship Award (2010, 2016)

Outstanding Teaching Award (1998)

National Science Foundation

Academic and Cooperative Education Success For Freshmen Scholars, CSEMS, \$400K (2001)

Rotary International

Paul Harris Fellow (2017)

PRESENTATIONS

- L. L. Sullivan, panelist, "The Flint Water Crisis: Origins, Response, Recover, and Impacts," Place Matters Conference: the Flint Water Crisis through a Diversity, Equity, and Inclusion Lens, University of Michigan School of Public Health (2019).
- B. Pauli, L. Reynolds, and L. Sullivan, "Building Collaboration and Ensuring Justice in Community Based Participatory Research: Lessons Learned from California, South Carolina, and Michigan," 2019 Citizen Science Association Conference (2019).
- L. L. Sullivan, "Engineering Education Applications of the Flint Water Crisis," ABET Symposium, 2016
- L. L. Sullivan, "The Water Crisis in Flint: Evolution and Ongoing Understanding of the Crisis," Temple University, September 2016
- L. L. Sullivan, "The Importance of Cultural Understanding for Engineering Students Performing Humanitarian Aid," League for Innovation STEMtech, Kansas City, Missouri, 2012.



210455

RESOLUTION NO.: _____

PRESENTED: SEP 22 2021

ADOPTED: _____

**RESOLUTION FOR THE APPOINTMENT NAYYIRAH SHARIFF TO THE WATER
SYSTEM ADVISORY COUNCIL**

BY THE MAYOR:

WHEREAS, pursuant to the State of Michigan's administrative rules section 325.10410(7), water supplies serving a population of 50,000 or more, and consecutive systems serving a population of 50,000 or more, shall create a water system advisory council;

WHEREAS, the council shall consist of at least five members, appointed by the community supply;

WHEREAS, the purpose of this council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.

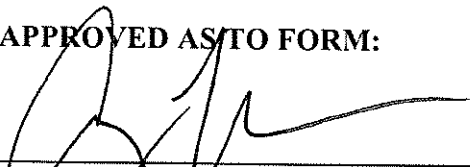
WHEREAS, to be eligible for appointment to the council, an individual shall have a demonstrated interest in or knowledge about lead in drinking water and its effects;

WHEREAS, the council will develop plans for continuing public awareness about lead in drinking water, even when the action level is not exceeded; review public awareness campaign materials provided by the statewide drinking water advisory council to ensure the needs and interest of the community, considering the economic and cultural diversity of its residents, are addressed; advise and consult with the water supply on the development of appropriate plans for remediation and public education to be implemented if a lead action level is exceeded; advise and consult with the water supply on efforts to replace private lead service lines at locations where the owner declined service line replacement; assist in promoting transparency of all data and documents related to lead in drinking water within the water supply service area

WHEREAS, Mayor Neeley desires to appoint Nayyirah Shariff to the Water System Advisory Council (See Attached Resume).

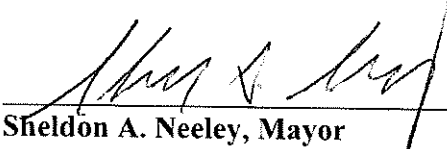
NOW THEREFORE BE IT RESOLVED, that Mayor Neeley hereby appoints Nayyirah Shariff address 3628 Beecher Road, Flint, MI 48503 to serve on the Water System Advisory Council.

APPROVED AS TO FORM:



Angela Wheeler, City Attorney

FOR THE CITY OF FLINT:



Sheldon A. Neeley, Mayor

APPROVED BY CITY COUNCIL:

Kate Fields, City Council President



CITY OF FLINT

RESOLUTION STAFF REVIEW FORM

TODAY'S DATE: 09/15/2021

BID/PROPOSAL#

AGENDA ITEM TITLE: RESOLUTION APPOINT MEMBERS TO THE WATER SYSTEM ADVISORY COUNCIL

PREPARED BY: Lottie Ferguson, Chief Resilience Officer
(Please type name and Department)

VENDOR NAME: N/A

BACKGROUND/SUMMARY OF PROPOSED ACTION:

In July 2018, the State of Michigan's Department of Environment, Great Lakes and Energy (EGLE) established the Lead and Copper Rule (LCR) under the Michigan Safe Water Drinking Act 399.

The purpose of the LCR is to minimize lead and copper in drinking water and indicates that a Water System Advisory Council (WSAC) is to be established on behalf of cities with 50,000 or more people served by its municipal water system. The WSAC is responsible for assisting with public awareness to create transparency and consumer confidence through statewide efforts of public education and action steps to ensure water quality through water sampling, water treatment and lead service line replacement. A Council shall consist of a least five members appointed by the community supply. To be eligible for appointment to Council, an individual must have a demonstrated interest in or knowledge about lead in drinking water and its effects. At least one member must be a local resident who does not formally represent the interest of any incorporated organization.

In June 2019, the City of Flint began to establish a board for the WSAC by sending letters of interest to various community partners and members. The process of establishing the board did not see completion and was then put on hold due to a change in City administration. The open public meeting was also delayed due to the COVID-19 pandemic.

In February 2021, the Office of Public Health (OPH) sent notices of participation to public health community partners and community members and requested resumes of those individuals in order to submit an approval to Flint City Council to officially establish the Water System Advisory Council. The WSAC will be hosted by the City's OPH, who will organize and oversee the annual meeting, according to the Open Meetings Act 267. This annual meeting will inform and include the public on the City's lead and copper status, progress and next steps.



CITY OF FLINT

BUDGET YEAR 2 \$0

BUDGET YEAR 3 \$0

OTHER IMPLICATIONS (*i.e., collective bargaining*):

STAFF RECOMMENDATION: (*PLEASE SELECT*): X ☐ **APPROVED** ☐ **NOT APPROVED**

DEPARTMENT HEAD SIGNATURE: Lottie Ferguson, Chief Resilience Officer
(*PLEASE TYPE NAME, TITLE*)

(810) 493-5946
nayyirah.shariff@gmail.com

Nayyirah Shariff

AREAS OF EXPERTISE

- Strategic Planning
- Community Engagement
- Conflict Resolution
- Facilitator/ Mediator
- Restorative Justice
- Policy Research
- Systems Analysis
- Leadership Development
- Environmental Justice

PROFESSIONAL EXPERIENCE

Flint Rising, Flint, MI – Director

2015 – PRESENT

- Create and monitor annual budget
- Build and maintain relationships with funders and individual donors
- Procure funding
- Collaborate with partners at the local, state, and federal level
- Develop and implement programs
- Design advocacy campaigns

Genesee County Healthy Sexuality Coalition, Flint, MI – Organizing Coordinator

2014 – 2015

- Supervise and coach coalition interns

Organizer

- Recruit and retain coalition membership
- Maintain coalition membership listserv
- Develop outreach and advocacy plans
- Created documents for both in reach and outreach

Economic Justice Alliance of Michigan, Flint, MI – Flint Field Director

2014

- Manage canvass teams
 - Collect and upload field data
 - Recruit and train field canvassers
-

Building Neighborhood Power, Flint, MI – Oral Histories Project Coordinator

2013-2014

- Recruit individuals for dialogue participation
- Facilitate dialogues around local history
- Transcribe dialogues into skits
- Produce collected works for the larger community

Outreach Coordinator

2012-2013

- Market events and programs to larger community
- Recruit stakeholders for event attendance
- Design workshops

VOLUNTEER EXPERIENCE

Flint Democracy Defense League, Flint, MI – Founding Member/Coordinator

2011-present

- Research state and local policies
- Coordinate meetings and recruit volunteers
- Analyze data for message framing

EDUCATION

University of Michigan, Michigan – Bachelors of Science

1999 Flint, MI

Computer Science with a concentration in Programming



RESOLUTION NO.: _____

PRESENTED: _____

ADOPTED: _____

210456

SEP 22 2021

**RESOLUTION FOR THE APPOINTMENT DIANA PHILLIPS TO THE WATER SYSTEM
ADVISORY COUNCIL**

BY THE MAYOR:

WHEREAS, pursuant to the State of Michigan's administrative rules section 325.10410(7), water supplies serving a population of 50,000 or more, and consecutive systems serving a population of 50,000 or more, shall create a water system advisory council;

WHEREAS, the council shall consist of at least five members, appointed by the community supply;

WHEREAS, the purpose of this council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.


WHEREAS, to be eligible for appointment to the council, an individual shall have a demonstrated interest in or knowledge about lead in drinking water and its effects;

WHEREAS, the council will develop plans for continuing public awareness about lead in drinking water, even when the action level is not exceeded; review public awareness campaign materials provided by the statewide drinking water advisory council to ensure the needs and interest of the community, considering the economic and cultural diversity of its residents, are addressed; advise and consult with the water supply on the development of appropriate plans for remediation and public education to be implemented if a lead action level is exceeded; advise and consult with the water supply on efforts to replace private lead service lines at locations where the owner declined service line replacement; assist in promoting transparency of all data and documents related to lead in drinking water within the water supply service area

WHEREAS, Mayor Neeley desires to appoint Diana Phillips to the Water System Advisory Council (See Attached Resume).

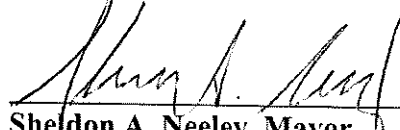
NOW THEREFORE BE IT RESOLVED, that Mayor Neeley hereby appoints Diana Philips address 510 Dougherty Place, Flint, MI 48504 to serve on the Water System Advisory Council.

APPROVED AS TO FORM:


Angela Wheeler (Sep 15, 2021 15:25 EDT)

Angela Wheeler, City Attorney

FOR THE CITY OF FLINT:



Sheldon A. Neeley, Mayor

APPROVED BY CITY COUNCIL:

Kate Fields, City Council President



CITY OF FLINT

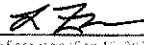
RESOLUTION STAFF REVIEW FORM

TODAY'S DATE: 09/15/2021

BID/PROPOSAL#

AGENDA ITEM TITLE: RESOLUTION APPOINT MEMBERS TO THE WATER SYSTEM ADVISORY COUNCIL

PREPARED BY: Lottie Ferguson, Chief Resilience Officer
(Please type name and Department)


Lottie Ferguson | Sep 15, 2021 14:43 EDT

VENDOR NAME: N/A

BACKGROUND/SUMMARY OF PROPOSED ACTION:

In July 2018, the State of Michigan's Department of Environment, Great Lakes and Energy (EGLE) established the Lead and Copper Rule (LCR) under the Michigan Safe Water Drinking Act 399.

The purpose of the LCR is to minimize lead and copper in drinking water and indicates that a Water System Advisory Council (WSAC) is to be established on behalf of cities with 50,000 or more people served by its municipal water system. The WSAC is responsible for assisting with public awareness to create transparency and consumer confidence through statewide efforts of public education and action steps to ensure water quality through water sampling, water treatment and lead service line replacement. A Council shall consist of a least five members appointed by the community supply. To be eligible for appointment to Council, an individual must have a demonstrated interest in or knowledge about lead in drinking water and its effects. At least one member must be a local resident who does not formally represent the interest of any incorporated organization.

In June 2019, the City of Flint began to establish a board for the WSAC by sending letters of interest to various community partners and members. The process of establishing the board did not see completion and was then put on hold due to a change in City administration. The open public meeting was also delayed due to the COVID-19 pandemic.

In February 2021, the Office of Public Health (OPH) sent notices of participation to public health community partners and community members and requested resumes of those individuals in order to submit an approval to Flint City Council to officially establish the Water System Advisory Council. The WSAC will be hosted by the City's OPH, who will organize and oversee the annual meeting, according to the Open Meetings Act 267. This annual meeting will inform and include the public on the City's lead and copper status, progress and next steps.



CITY OF FLINT

BUDGET YEAR 2 \$0

BUDGET YEAR 3 \$0

OTHER IMPLICATIONS (*i.e., collective bargaining*):

STAFF RECOMMENDATION: (*PLEASE SELECT*): X ☐ **APPROVED** ☐ **NOT APPROVED**

DEPARTMENT HEAD SIGNATURE: Lottie Ferguson, Chief Resilience Officer
(*PLEASE TYPE NAME, TITLE*)

DR. DIANA (W. DANIEL) A. PHILLIPS, Ph.D.

knobhillbnb@gmail.com

510 Dougherty Place, Flint, MI 48504

810-610-8240

EDUCATION:

Ph.D. 1984 **Physical Chemistry**, The University of Texas at Austin, Thesis: "The Characterization of Platinized and Unplatinized Cerium Dioxide and Other Cerium Containing Catalyst Supports", (Prof. J.M.White)

A.B. 1978 **Chemistry**, Minor: Chemical Engineering, Youngstown State University

EXPERIENCE:

- 2014-present **Co-owner/Innkeeper**, Knob Hill Bed and Breakfast, Flint, Michigan
- 2010-2011 **Core Faculty Member**, Citizen Science Institute, Bard College, Annadale-on-Hudson, NY
- 2008 **Coordinator**, Chemical Engineering, Kettering University, Flint, MI
- 2007-2020 **Associate Professor**, Chemistry, Biochemistry & Chemical Engineering Department, Kettering University, Flint, MI
- 2007-2008 **Interim Department Head**, Chemistry & Biochemistry, Kettering University, Flint, MI
- 2006-2007 **Program Director**, Chemistry & Biochemistry, Kettering University, Flint, MI
- 2003 **Visiting Scholar**, Center for Fundamental Materials Research, Michigan State University, East Lansing, MI
- 1998 & 1996 **Associate Professor**, Science & Mathematics Department, Kettering University, Flint, MI
- 1993-94 **Visiting Professor**, Chemistry Department, Youngstown State University, Youngstown, OH
- 1991 **Visiting Research Professor**, Chemistry Department, Youngstown State University, Youngstown, OH
- 1990-97 **Assistant Professor**, Chemistry Department, GMI/Kettering University, Flint, MI
- 1988-90 **Assistant Professor**, Chemistry Department, Rose-Hulman Institute of Technology, Terre Haute, IN
- 1986 **Adjunct Professor of Chemistry**, Marist College, Poughkeepsie, NY
- 1985-88 **Senior Associate Engineer**, Small Area and Surface Analysis Department, IBM- Fishkill, Hopewell Junction, NY

RESEARCH INTERESTS:

Surface Chemistry, Interfacial Phenomena, Materials Characterization, Catalysis, Wine & Food Chemistry, and Chemical Education

PROFESSIONAL ACTIVITIES:

Symposium Organizer and Session Chair, Chemistry for Engineers Symposium, American Chemical Society (ACS) National Meeting, San Diego, March, 2012

U.S. Science and Engineering Delegation to South Africa, fall 2010

Science Advisory Board Member, International Technology, Education and Development Conference (INTED), Madrid, Spain, 2010
International Mead Association Research Group, 2006-present
National Workshop Presenter and Trainer, Career Services, American Chemical Society (ACS), 2005-present
ADEPT (Academic Development, Ethics, Promotion and Tenure) Faculty Senate Subcommittee, Kettering University, 2001-2006
Symposium Organizer, Michigan Catalysis Society, Flint, MI, 2002
Associate Discipline Chair, Chemistry Division, Kettering University, 2000-2003
Assessment Team Leader, Chemistry Division, Kettering University, 2000-2002
Teaching Fellow, Teaching Fellows Program, Kettering University, 2000-2003
Women Faculty Task Force, Kettering University, 1999-2000
Faculty Development Committee, Kettering University, 1999-2003
Chair, Chemistry Advisory Board Committee, Kettering University, 1997-2007
Core Career Consultant, American Chemical Society (ACS), 1994-present

COURSE/CURRICULUM DEVELOPMENT:

Graduate Sustainable Energy Curriculum Committee, Kettering University
Chair, Chemical Engineering Curriculum Committee, Kettering University
Pre-Med Curriculum Committee, Kettering University
Chemistry & Biochemistry Degree Curricula Committee, Kettering University
Fuel Cell Curriculum Committee, Kettering University
Environmental Chemistry Degree Curriculum Committee, Kettering/GMI
Applied Chemistry for Engineers (Lecture)
Chemistry of Fuel Cells (Lecture/Lab Course)
Colloid Science (Lecture/Lab Course)
Fuel Cell Electrochemistry (Lecture/Lab Course)
Materials Characterization (Lecture/Lab Course)
Advanced Principles of Chemistry Lecture and Laboratory Course
Policies and Ethics (Lecture Course)
Physical Chemistry I Lecture and Laboratory Course
Physical Chemistry II Lecture and Laboratory Course
Chemistry of Cooking Lecture and Laboratory Course
Chair and Coordinator, Surface Analysis Workshop for College Educators
Young Scholars, Kamp Kettering, Sustainable Energy and Spectrum outreach programs

GRANTS AWARDED:

Recipient, Passer Education Fund Grant, Colloids Short Course (2012)
Senior Personnel, National Science Foundation (NSF)-National Dissemination Grant, Surface Analysis Workshop, (2006)
Co-PI, NextEnergy Alternative Energy Technology Curriculum Implementation Grant (#04-003), \$44,000 (2004)
Senior Personnel, National Science Foundation (NSF)-CMS-Major Research Instrumentation, "Acquisition of an Environmental Scanning Electron Microscope for Undergraduate Education in Materials Characterization", STCM-0116075, \$303,089

(2002)

Co-Recipient, Kettering University's Research Initiation/Improvement Grant
"Mechanisms of Automobile Catalyst Poisoning", \$3,500 (2001)

Principal Investigator, National Science Foundation (NSF)-ILI, "Incorporation of ESCA Spectroscopy into Undergraduate Science and Engineering Programs", DUE-9751040, \$85,000 (1997-99)

Principal Investigator, National Science Foundation (NSF)-ILI, "Fourier Transform Infrared for Engineering and Environmental Science", DUE-9351321, \$23,750 (1993-95)

GMI Teaching Improvement Travel Grant, (1992 & 1999)

GMI Research Initiation/Improvement Grant, \$5,000 (1991)

SUBMITTED PROPOSALS: Status – Not Funded

NSF-DMR Instrumentation for Materials Research Grant, submitted with P. Vaishnava, M. Palmer, B. Roughani, and L. Wang, "Acquisition of an X-ray Diffractometer for Undergraduate Teaching and Research in Materials Characterization", 2003-2004

NSF-CCLI Adaptation and Implementation Grant, submitted with B. Roughani and U. Ramabadrana, "Introducing STM, AFM, Hall Effect Measurements in Undergraduate Science Laboratories", 2002-2003

NSF-CCLI Adaptation and Implementation Grant, submitted with L. Wang, B. Lewis, and S. Seeley, "Enhancement and Modernization of Chemistry Laboratories with Fluorescence Spectroscopy", 2000-2001

Kettering University Rhodes Professorship 2001, submitted with E. Ubong, "Mechanisms of Automotive Catalyst Poisoning"

Denso Corporation Grant, submitted with J. Kokosa and E. Ubong, "Mechanisms of Automotive Catalyst Poisoning", **not selected by University for submission to Denso**, 2001

UNDERGRADUATE (and pre-college) RESEARCH:

Research Director, Undergraduate Thesis, Kettering University, "Poisoning Mechanism of Automobile Three Way Catalytic Converters by Oil Additive ZDDP", Amy Berlin, 2005-2006

Research Director, Undergraduate Research, Kettering University, "Mead Fermentation Analyses", Torin Peck, 2011

Research Director, Undergraduate Research, Kettering University, "Effect of Magnetic Fields on the Chemical and Physical Properties of Red Wine", Brice Seipka, 2011

Research Director, Undergraduate Research, Kettering University, "Effect of Magnetic Fields on the Sensory Perception of Merlot Wines", Brice Seipka, 2011

Research Director, Independent Research, Kettering University, "Unraveling the Mystery of the Fitzroy Storm Glass", Shane Skop, 2009

Research Director, Undergraduate Research, Kettering University, "Biomaterials and Their Effect on the Human Body", Laci Beltz, 2006-2007

Research Director, Undergraduate Research, Kettering University, "Identification of Poisons on Automobile Three Way Catalytic Converters Resulting from Oil Additive

ZDDP", Amy Berlin, 2005-2006

Research Director, Undergraduate Research, Kettering University, "Comparison of the Secondary Fermentation Rate of Mead Using Containers of Various Shapes, Colors, and Materials", Rachel Charron, 2005-2006

Research Director, Undergraduate Research, Kettering University, "Trace Metal Analysis of Wine to Determine Origin", David Knack, 2004-2005

Research Director, Undergraduate Research, Kettering University, "Surface Analysis Research", Sara Nelson, 2002-2003

Research Director, Undergraduate Research, Kettering University, "Interactions of Phosphorous on Automobile Three Way Catalyst Surfaces", Steven Nartker, 2000-2001

Research Director, Undergraduate Research, Kettering University, "Examination of Automotive Catalysts and the Effects of Oxalic Acid Washing", Steven Nartker, 2000-2001

Research Director, NSF funded Young Scholars Program (Jr. High), research published with participants, J. Chem. Ed., Vol.71, No. 1, 1994

MASTERS DEGREE RESEARCH:

Thesis Committee Member, Master of Science Thesis, "Study of an Automotive Catalytic Converter and Development of a Test Method", Thirumal Nagadi, 2002

FIFTH YEAR THESIS STUDENTS:

David Moore, "Study of Nital Etch Indications on Ground Ballscrews and Proposal of Corrective Action on Grinding Process Due to Nital Etch Indications", Mistequay Group, 2014

Benjamin Peterson, "Chemical Kinetics and Mass Transport Phenomena Coupled with Surface Coating analysis for Lithium Ion Cell Electrodes", GM, MI 2013

Andrew Heller, "Fundamental Studies of Advanced Ceria-Zirconia Oxygen Storage Materials for 3-way Catalysts", Umicore Autocat USA, 2013

Angela Bodjack, "Thermodynamic Analysis of Dow Automotive Systems' Adhesives Simultaneously Containing Calcium, Carbon Black, and Clay", Dow Automotive, MI, 2011

Esther Taxon, "Catalyst Aging and Activity", GM, Warren, MI, 2011.

Thomas Rock, "Integration of a Quadrupole Mass Spectrometer and Fourier Transform Infrared Spectroscopy with Vehicle Emission Test Cell", Umicore Automotive Catalysts, Auburn Hills, MI, 2009.

Nick Salamasick, "CNC Waste Oil Reclamation", Dura Automotive Systems Inc., Fremont, MI, 2008.

Ryan Sullivan, "Corrosion Resistant Coating for Aluminum Evaporator Coils in Commercial Deli Refrigeration Cases", Ingersoll Rand – Climate Control Technologies, Bridgeton, MO, 2007-2008.

Roneesh Vashisht, "Maximizing Durability in Anode Recirculation Pumps", Eaton Corp – Research, Southfield, MI, 2008.

Amy Berlin, "Catalytic Converter Poison Characterization", Kettering University, Flint, MI, 2006.

Korec Frank, "Effects of Washcoat Loading on Catalyst Efficiency", Umicore

Automobile Catalysts, Auburn Hills, MI, 2005.

Amy Gibbs, "Aging of Catalytic Converters", General Motors, Milford, MI, 2004.

Eric Servito, "Fuel Pipe Fillers", Shelby Enterprises, Romeo, MI, 2003.

Mark Guida, "Study of Deactivation of an Automotive Catalytic Converter and Development of a Test Method", Kettering University, Flint, MI, 2003.

Steve Nartker, "Development of a Catalyst Engine Aging Cycle that Replicates Phosphorous Poisoning", Engelhard Corporation, Iselin, NJ, 2001.

Holly Nestle, "First Phase Evaluation Results for Qualifying Small-Scale Membrane for Open Architecture Oily Waste Membrane Systems", Naval Warfare Center, West Bethesda, MD, 2001.

Justin Parmann, "Development of a New Carbon Canister Material for Evaporative Emissions Control", Pilot Industries, Inc., Dexter, MI, 2000.

Jennifer M. Reider, "Elimination of EC³Friction Material Sediment in Torque converter Clutch Applications", GM PTG, Components Operations, Flint, MI, 2000.

Jared Harvey, "Development and Implementation of World Class Internal Cleanliness at Lucas Varity Kelsey-Hayes: Fenton ABS Plant", Lucas Varity: Kelsey Hayes, Fenton, MI, 1999.

Andrew Shawver, "Chemical Wear on PCBN Cutting Tools in Cutting", Ohio State University, Engineering Research Center, Columbus, OH, 1998.

Sarah E. Herzog, "Design of Plastic Navigation Housing, Coating, and Material to Meet OEM Specifications", Rockwell Automotive, Troy, MI 1996.

Connie L. Cook, "Material Abrasion Resistance of Thermoplastic Elastomer CV Joint Boots", GKN Automotive, Auburn Hills, MI, 1996.

Vincent J. Mramor, "Integral Steering Wheel and Airbag Module", TRW safety Systems, Mesa, AZ, 1996.

Audrey Darbyshire, "Evaluation and Recommendation of Fuel Filler Environmental Coating System", Randall Textron, Troy, MI, 1997.

Garett C. Krause, "Thermodynamic evaluation of Airbag Expansion", TRW Vehicle Safety Systems Incorporated, Washington, MI, 1997.

ORGANIZATIONAL LEADERSHIP:

Conference Planning Committee, Michigan Bed and Breakfast Association, 2017 and 2018

Campaign Manager/Treasurer, Committee to Elect L. Allan Griggs, Flint, MI 2017

Member, Flint Water Advisory Board, 2015

Executive Board, Mott Park Neighborhood Association, Flint, MI, 2014

Director, Zonta Flint 1, Flint, MI, 2013-2015

Board Member & Secretary/Treasurer, Mott Park Public Golf Course Association, Flint, MI, 2010-2015

Board Member, Stockton House at Spring Grove, Flint, MI, 2008-2014

Coordinator, Chemical Engineering Degree Program, Kettering University, Flint, MI, 2008

Interim Department Head, Chemistry & Biochemistry Department, Kettering University, 2007-2008

Co-Chair, Shared Governance Performance Appraisal Committee, Kettering University,

2007-2008

Chair, Chemical and Biochemical Engineering Curriculum Committee, Kettering University, 2007-2008

Chemistry & Biochemistry Program Director, Kettering University, 2006-2007

Symposium Organizer and Session Chair, Small Chemical Business

Symposium, American Chemical Society Central Regional Meeting,

Frankenmuth, MI, 2006

Symposium Organizer and Session Chair, Michigan Catalysis Society Spring

Symposium, Flint, MI, 2002

Public Relations Chair, Industrial and Engineering Division, American Chemical Society (ACS), 2001-2004

President, Michigan Catalysis Society, 2001-2002

Associate Chemistry Discipline Chair, Kettering University, 2000-2003

Chemistry Division Assessment Team Leader, Kettering University, 2000-2002

Vice President, Michigan Catalysis Society, 2000-2001

Secretary/Treasurer, Michigan Catalysis Society, 1999-2000

Program Secretary, Industrial and Engineering Division, American Chemical Society (ACS), 1998-2001

Organizer and Session Chair, Cooperative Educational Programs in Chemistry Session, ACS, National Meeting, Orlando, 1996

Program Chair and Chair-elect, Flint Subsection, American Chemical Society, 1992-1993

Chair-elect, Wabash Valley Section, ACS, 1990

Chair, National Chemistry Week Committee, Wabash Valley Section, ACS, 1989

Chair, Mid-Hudson Section, ACS, 1988

Chair, Pre-High School Subcommittee for National Chemistry Day, Mid-Hudson Section, ACS, 1987

Chair-elect, Mid-Hudson Section, ACS, 1987

Chair, Continuing Education Committee, Mid-Hudson Section, ACS, 1987

Secretary, X-ray Photoelectron Spectroscopy Subcommittee, ASTM, 1987-88

Chair, Auger Session, **Microbeam Analysis Society**, National Meeting, Albuquerque, NM, 1986

President, Tellurium Chapter, **Iota Sigma Pi** (National Honor Society for Women in Chemistry), 1981-84

Member, Chapter Organizing Committee, **Society of Women Engineers and Scientists**, Youngstown State University (YSU), 1976

Vice-president, YSU Student Affiliates, ACS, 1976-78

Vice-president, New Neighbor's League (NNL) of Youngstown, 1974-75

Activities Coordinator, NNL, 1972-73

REVIEWER:

Book Reviewer, **Brooks/Cole Cengage Learning**, "Chemistry for Engineers", Brown & Holme, 2nd edition, 2012

Submission Reviewer, **Electrochemical Society**, 2010

Submission Reviewer, **International Technology, Education and Development**

Conference (INTED), 2010

Book Reviewer, **American Chemical Society (ACS)**, "Environmental Applications of Nanoscale and Microscale Reactive Particles", 2009

Grant Reviewer, **Department of Energy (DOE)**, 1998-2006

Book Reviewer, **Addison Wesley Longman**, "Materials Chemistry", 1999

Grant Reviewer, **National Science Foundation (NSF-ILI)**, 1994

PROFESSIONAL COMMUNITY ACTIVITIES & Pre-college outreach:

Zonta House, Science Night, 2015 and 2017

Sustainable Energy Pre-College Program, 2007-2012

Michigan Science & Engineering Fair Food & Beverage Coordinator, 2007-2014

Science Fair Judge, 2003-2018

Kamp Kettering Faculty, pre-college program, Kettering University, 2001 & 2004-2012

Science Olympiad Event Supervisor, Flint, MI, 2000-2005

Spectrum Faculty Member, pre-college program, Kettering University, 2000

Discover Kettering, since inception

Kettering Representative, Flint Science Fair, 1995-present

UNIVERSITY SERVICE

KAP Department Representative, 2013-2014

Transitions Advisor, 2007-2008

Graduate Sustainable Energy Curriculum Committee, 2007-2010

Sustainable Energy Pre-College Program Committee, 2007-2012

Chemistry & Biochemistry Program Director, 2005-2007

Chemistry and Biochemistry Curricula Committee, 2005-present

Faculty Advisor, American Chemical Society Student Affiliates, Kettering University Chapter, 1998-2007

ESEM (Environmental Scanning Electron Microscope) Advisory Committee, since inception

Chemistry Advisory Board Committee, 1997-present

ADEPT, 2002-2006

Faculty Senate

Chemistry/Biochemistry Search Committees, 1992-present

Fuel Cell Curriculum Committee, 2001-2009

Environmental Chemistry Curriculum Committee, 1997-2005

Associate Discipline Chair (Chemistry), 2000-2003

Battle of the Bands Judge, Kettering University, 2002

CONTINUING EDUCATION:

Organizer and Faculty, NSF-National Dissemination Workshop, Surface Analysis Workshop, 2003 & 2006

PROFESSIONAL DEVELOPMENT:

American Chemical Society Leadership Conference, Dallas, January, 2014.

Winter KEEN (Kern Entrepreneurship Education Network) Conference, Tempe,

AZ, January, 2013.

American Chemical Society (ACS) Short Course, "Dispersions in Liquids: Suspensions, Emulsions, and Foams", ACS National Meeting, San Diego, CA, March, 2011.

Student Academic Success Summit, "Promoting a Culture of Student Success: The First Year and Beyond", U of M Flint, October, 2006.

American Chemical Society Leadership Conference, Baltimore, January, 2006.

Setting and Achieving Goals Workshop, Dale Carnegie Training, Troy, MI, November, 2005.

Team-Based Learning Conference, Larry Michaelson of The University of Oklahoma, Kettering University, October, 2005.

Michigan Catalysis Society Spring Symposium, University of Michigan, Ann Arbor, May, 2005.

American Chemical Society Leadership Conference, Baltimore, January 2005.

Starting and Operating a Successful Small Business Certificate, Wayne State University, 2004

Michigan Catalysis Society Spring Symposium, Ford Research Center, Dearborn, MI, May, 2003.

Diversity Workshop, Guadalupe Lara of Children's Hospital of Michigan, Kettering University, March 25, 2003.

American Chemical Society Career Consultant's Workshop, Reston, VA, November, 2002.

National Science Foundation Grant Writing Workshop, Washington, D.C., September, 2002.

Michigan Catalysis Society Spring Symposium, Flint, May, 2002.

Workshop #2: "The Chemistry of Leadership: A Women's Leadership Development Program", Committee on the Advancement of Women Chemists, Orlando, April, 2002.

Pilot Peer Observation of Teaching Program Training Workshop, Kettering University, February 6, 2002.

Research Seminar, Patents, Trademarks, and Copyrights, Presented by Julia Dierker and Denise Glassmeyer, Patent Attorneys of Young & Baile, P.C., Kettering University, November 27, 2001.

Workshop #1: "Coaching Strong Women in the Art of Strategic Persuasion: Negotiation and Management Skills", Committee on the Advancement of Women Chemists, Boston, MA, August, 2001.

American Chemical Society Public Relations Training Workshop, Elkridge, MD, May, 2001.

Assessment Workshop, The Assessment Institute, sponsored by National Center on Postsecondary Teaching, Learning, and Assessment (NCTLA) and ACT, San Antonio, TX, February, 2001.

16th Biennial Conference on Chemical Education, University of Michigan, Ann Arbor, Michigan, July 30-August 3, 2000.

CETL (Center for Excellence in Teaching and Learning), Kettering University, attended numerous presentations since its inception.

American Chemical Society National Meetings, two per year since 1994.

Michigan Catalysis Society Meetings, monthly since 1990.

PROFESSIONAL & COMMUNITY MEMBERSHIPS:

Frankenmuth Chamber of Commerce
Genesee Regional Chamber of Commerce
Mott Park Neighborhood Association
Zonta Club of Flint I
Mott Park Public Golf Course Association
Stockton Center at Spring Grove
American Chemical Society, ACS
 Chemical Education Division (ACS)
 Industrial and Engineering Division (ACS)
 Catalysis Secretariat (ACS)
 Surface & Colloid Division (ACS)
Michigan Catalysis Society
International Mead Association
American Society for Enology and Viticulture
Michigan State Science Fair Judge and Food and Activities Coordinator

HONOR SOCIETIES:

Iota Sigma Pi (National Honor Society for Women in Chemistry)
Tau Beta Pi (Engineering Honor Society)
Alpha Chi Sigma (Chemistry Fraternity)

AWARDS and HONORS:

Genesee Regional Women's Hall of Fame, 2015.
National Career Consultant of the Year, American Chemical Society, 2013.
Montclair Who's Who in College Faculty, 2011.
Robert A. Welch Fellowship, The University of Texas, 1979-81, 1983-84.
Who's Who Among Students in American Universities and Colleges, 1977-78.
American Chemical Society Undergraduate Analytical Chemistry Award,
Youngstown State University, 1977.
Dow Chemical Company Scholarship, 1976-77.
Youngstown Education Foundation Scholarship, 1976-77.

CONSULTING:

Roemer Industries, **Paint Adhesion to Etched Metal Surfaces**, 1994
McLaren Hospital, **Analyses of Amniotic Fluid**, 1993
McLaren Hospital, **Characterization of Prosthetic Joint Fluid**, 1993
Career Consultant, American Chemical Society, 1993-98
IATRICS, **Characterization of Polymer Foam**, 1992

PUBLICATIONS:

1. "Education for the Real World", in preparation for submission to the **Journal of Science Education**.

2. "Teaching Problem Solving with Mini-Lectures and Worksheets", in preparation for submission to the **Journal of Science Education**.
3. "Regeneration of Pt Electrode Activity in PBI Fuel Cells", Etim U. Ubong, Diana Phillips and Matt Gieseke, in preparation for submission to the **Journal of Electrochemistry**.
4. "Education for the Real World", Diana Phillips, Proceedings of the **International Technology, Education and Development Conference (INTED-2010)**, Valencia, Spain, March 2010.
5. "Teaching Problem Solving with Mini-Lectures and Worksheets", Diana Phillips, Proceedings of the **International Technology, Education and Development Conference (INTED-2010)**, Valencia, Spain, March 2010.
6. "Microscopic and Spectroscopic Characterization of Chem-mechanically Polished, Furnace Annealed, n-doped 4H:SiC", Uma Ramabadran, Bahram Roughani, and Diana Phillips, **Applied Physics A-Materials Science & Processing** 81 (3): 511-515 (AUG 2005).
7. "Materials Processing and Spectroscopic Characterization of 4H- SiC", **Proceedings of the International Conference on Physics (ICP-2004)**, B. Roughani, U. Ramabadran, D. Phillips Amir Kabir University, Tehran, Iran, January, 2004.
8. "Chemomechanical Polishing and Rapid Thermal Annealing of SiC: Raman Spectroscopy and ESCA (XPS) Studies", Roughani, B., Ramabadran, U., Phillips, D., Mitchel, W.C., and Neslen, C.L., **Mat. Res. Soc. Symp.**, Vol 640, H5.40, 2001.
9. "A Co-operative Approach to Chemical Education", Diana Phillips, feature article, **Journal of Chemical Education**, Vol. 75, No. 6, pp., 688-690, 1998
10. "A Simple UV Experiment of Environmental Significance", Daniel, D.W. et al., **Journal of Chemical Education**, Vol. 71, No. 1, 1994.
11. "Can Chemistry be Taught in an Interactive Classroom?", Daniel, D.W., **Proceedings, Lilly Conference on College Teaching-West**, Lake Arrowhead CA, 1993.
12. "Infrared Studies of CO and CO₂ Adsorption on Pt/CeO₂: The Characterization of Active Sites", Daniel, D.W., **Journal of Physical Chemistry**, 1988, 92, 3891.
13. Srivastava, K.K., Daniel, D.W., and Flitsch, R., "The Study of Surface Interaction of Synthetic Flux with Pb-3% Sn Solder", Daniel, D.W., **IBM Research Journal**, January, 1987.

PRESENTATIONS to PROFESSIONAL SOCIETIES and CONFERENCES:

1. "Something Old is New Again: Mead and Bitters", Diana Phillips, **The Herb Society of America, Great Lakes District Gathering**, Livonia, MI, August, 2012.
2. "Which Chemistry Topics should be Taught to Engineering Students?", Diana Phillips, **National Meeting of the American Chemical Society**, San Diego, March, 2012.
3. "Welcome to Our Interdisciplinary Toolbox: Using Surveys and Writing to Learn Activities to Engage Learners", Diana Phillips and Sherry Wynn-Perdue, **Lilly Conference on College Teaching-North**, September, 2010.
4. "The Alchemy of Mead", Diana Phillips, **invited**, the Younger Chemists Division of the **Detroit Section of the American Chemical Society** Detroit, MI, May, 2010.
5. "Regeneration of Pt Electrode Activity in H₃PO₄/PBI doped PEMFC Membrane Following CO Poisoning", Etim U. Ubong, Diana Phillips and Matt Gieseke, **ASME International Fuel Cell Conference**, N.Y., May, 2010.
6. "Regeneration of Pt Electrode Activity in PBI Fuel Cell following CO Poisoning", Etim U.

Ubong, Diana Phillips and Matt Gieseke, **Electrochemical Society**, Vancouver, Canada, April, 2010

7. "Education for the Real World", Diana Phillips, **International Technology, Education and Development Conference (INTED-2010)**, Valencia, Spain, March 2010.

8. "Teaching Problem Solving with Mini-Lectures and Worksheets", Diana Phillips, **International Technology, Education and Development Conference (INTED-2010)**, Valencia, Spain, March 2010.

9. "Reconstructing the Periodic Table", Diana Phillips, **International Congress of Science Education**, Cartagena, Colombia, July 2009.

10. "The Case for Teaching Topics in a Different Order in Introductory Chemistry", Diana Phillips, **International Congress of Science Education**, Cartagena, Colombia, July 2009.

11. "Academic Preparation of an Industrial Chemist", Diana Phillips, **American Chemical Society National Meeting**, Fall, 2005, Washington, D.C.

12. "Materials Processing and Spectroscopic Characterization of 4H- SiC" B. Roughani, U. Ramabadran, D. Phillips, **International Conference on Physics (ICP-2004)**, Amir Kabir University, Tehran, Iran, January, 2004.

13. "Chemomechanical Polishing and Rapid Thermal Annealing of SiC: Raman Spectroscopy and ESCA (XPS) Studies" Roughani, B., Ramabadran, U., Phillips, D., Mitchel, W.C., and Neslen, C.L., **Materials Research Society Symposium**, Boston, MA , 2000.

14. "Spectroscopic Characterization of Chem-mechanically Polished and Thermally Annealed n-type 4H:SiC", B. Roughani, U. Ramabadran and D. Phillips, **2002 Electronic Materials Conference**, University of California, Santa Barbara.

15. "Incorporation of ESCA into the Undergraduate Science and Engineering Curriculum", D.A. Phillips, **National Meeting of the American Chemical Society**, Chicago, IL, 2001, **invited**.

16. "Electronic SMSI: An Infrared CO Adsorption Study on Pt/CeTiO₄", Diana A. Phillips, **Michigan Catalysis Society Spring Symposium**, Detroit, MI, 1998.

17. "Bringing Surface Chemistry Research into the Physical Chemistry Laboratory", D. Phillips, **National Meeting of the American Chemical Society**, Boston, MA, 1998.

18. "A Materials Characterization Course for Engineers", D. Phillips, **National Meeting of the American Chemical Society**, Boston, MA, 1998.

19. "Incorporation of ESCA into the Undergraduate Curriculum", D. Phillips, **National Meeting of the American Chemical Society**, Boston, MA, 1998.

20. "Career and Resume Workshop", D.A. Phillips, **Great Lakes College Chemistry Conference**, East Lansing, MI, 1996.

21. "Co-op Education in Chemistry", D.A. Phillips, 212th National Meeting of the **American Chemical Society**, Orlando, FL, 1996.

22. "A Panel Discussion of the Co-op Experience", discussion leader: D.A. Phillips, 212th National Meeting of the **American Chemical Society**, Orlando, FL, 1996.

23. "The Influence of Metal-Support Interaction on the Formation of Active Sites on Binary Oxide Supported Platinum", D.A. Phillips and G. Metz, 108th National Meeting of the **American Chemical Society**, Washington, D.C., 1994.

24. "Coverage Effects of Pyridine Adsorption on Silica-Alumina", D.A. Phillips and G. Metz, 108th National Meeting of the **American Chemical Society**, Washington, D.C., 1994.

25. "Student Participation in the Learning Process", D.A. Phillips, 108th National Meeting

- of the **American Chemical Society**, Washington, D.C., 1994.
26. "Fourier Transform Infrared Instrumentation for Engineering and Environmental Sciences", J.M. Kokosa and D.A. Phillips, 108th National Meeting of the **American Chemical Society**, Washington, D.C., 1994.
 27. "How We Teach: Reaching the Disenfranchised", D.A. Phillips, 25th Central Regional Meeting of the **American Chemical Society**, Pittsburgh, PA, 1993.
 28. "A User's Guide to Surface Analysis", D.W. Daniel, **Society of Manufacturing Engineers**, Chicago, IL, 1993.
 29. "Cooperative Learning Workshop", 4th Annual National Conference on Problem Solving Across the Curriculum, Geneva, NY, 1993.
 30. "Can Chemistry be Taught in an Interactive Classroom?", D.W. Daniel, **Lilly Conference on College Teaching-West**, Lake Arrowhead, CA, 1993.
 31. "Chemistry, It's Not for Everyone, or Is It?", D.W. Daniel, **American Chemical Society**, Flint Subsection, Flint, MI, 1992, **invited**
 32. "Industry vs. Graduate School, Which Will it Be?", D.W. Daniel, **American Chemical Society Student Affiliates**, Rose-Hulman Institute of Technology, Terre Haute, IN, 1989, **invited**.
 33. "Surface Characterization of Pt/CeO₂ and Related Pt-Ce Systems", D.W. Daniel, **Engelhard Chemical Co**, Menlo Park, NJ, 1988, **invited**.
 34. "Catalysis: The Not-So-Black Box", D.W. Daniel, **Youngstown State University**, Youngstown, OH, 1988, **invited**.
 35. "Analytical Services at GMI", D.W. Daniel, **GMI Industrial Symposium**, Flint, MI, 1992.
 36. "CO Adsorption on Binary Oxide Supported Platinum: A Catalyst Characterization Study", **GMI Industrial Symposium**, Flint, MI, 1991.
 37. "Catalyst/Materials Characterization via Surface Analytical Techniques", D.W. Daniel, **GMI Industrial Symposium**, Flint, MI, 1990.
 38. "The Study of Surface Interaction of Synthetic Flux with Pb-3% Sn Solder", K.K. Srivastava, D.W. Daniel, and R. Flitsch, **IBM General Technologies Conference**, Chattanooga, TN, 1987.
 39. "CO Adsorption on Binary Oxide Supported Pt", D.W. Daniel, National Meeting of the **American Chemical Society**, Chicago, IL, 1985.
 40. "The Adsorption of CO on Oxidized and Reduced Pt/CeO₂", D.W. Daniel, National Meeting of the **American Chemical Society**, St. Louis, MO, 1984.

PRESENTATIONS TO KETTERING FACULTY AND STUDENTS

Educational Research

1. "There is More than One Way to Meet Course Objectives", Diana Phillips, **CETL** (Center for Excellence in Teaching and Learning), **First Annual Educational Research Conference**, March 27, 2002, Kettering University.
2. "From Dull to Dynamic", Diana Phillips, **CETL** presentation, 2002, Kettering University.

Original Scientific Research

1. "A Study of Heavy Metals in the Flint River", Torin Peck and Diana Phillips, 2012
2. "Effect of Magnetic Fields on the Chemical and Physical Properties of Red Wine", Brice

Seipka and Diana Phillips, 2011

3. "Effect of Magnetic Fields on the Sensory Perception of Merlot Wines", Brice Seipka and Diana Phillips, 2011

4. "Identification of Poisons on Automobile Three Way Catalytic Converters Resulting from Oil Additive ZDDP", Amy Berlin and Diana Phillips, 2006

5. "Comparison of the Secondary Fermentation Rate of Mead Using Containers of Various Shapes, Colors, and Materials", Rachel Charron and Diana Phillips, 2006

6. "Trace Metal Analysis of Wine to Determine Origin", David Knack and Diana Phillips, 2005

7. "Surface Analysis Research", Sara Nelson and Diana Phillips, 2003

8. "Interactions of Phosphorous on Automobile Three Way Catalyst Surfaces", Steven Nartker and Diana Phillips, 2001

9. "Examination of Automotive Catalysts and the Effects of Oxalic Acid Washing", Steven Nartker and Diana Phillips, 2001



RESOLUTION NO.: 210457

PRESENTED: SEP 22 2021

ADOPTED: _____

**RESOLUTION FOR THE APPOINTMENT WENDY BRAUN TO THE WATER SYSTEM
ADVISORY COUNCIL**

BY THE MAYOR:

WHEREAS, pursuant to the State of Michigan's administrative rules section 325.10410(7), water supplies serving a population of 50,000 or more, and consecutive systems serving a population of 50,000 or more, shall create a water system advisory council;

WHEREAS, the council shall consist of at least five members, appointed by the community supply;

WHEREAS, the purpose of this council is to improve transparency in the City of Flint community by developing materials and advising the water system on public awareness and education efforts.

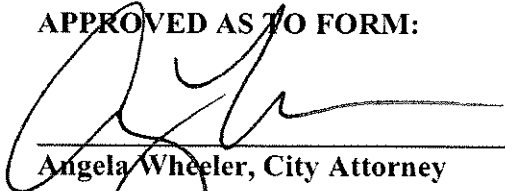
WHEREAS, to be eligible for appointment to the council, an individual shall have a demonstrated interest in or knowledge about lead in drinking water and its effects;

WHEREAS, the council will develop plans for continuing public awareness about lead in drinking water, even when the action level is not exceeded; review public awareness campaign materials provided by the statewide drinking water advisory council to ensure the needs and interest of the community, considering the economic and cultural diversity of its residents, are addressed; advise and consult with the water supply on the development of appropriate plans for remediation and public education to be implemented if a lead action level is exceeded; advise and consult with the water supply on efforts to replace private lead service lines at locations where the owner declined service line replacement; assist in promoting transparency of all data and documents related to lead in drinking water within the water supply service area

WHEREAS, Mayor Neeley desires to appoint Wendy Braun to the Water System Advisory Council (See Attached Resume).

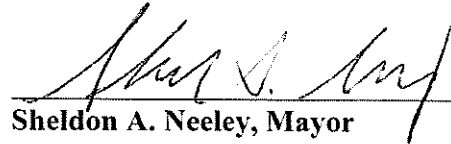
NOW THEREFORE BE IT RESOLVED, that Mayor Neeley hereby appoints Wendy Braun
address 2015 Crooked Lane, Flint, MI 48503 to serve on the Water System Advisory Council.

APPROVED AS TO FORM:



Angela Wheeler, City Attorney

FOR THE CITY OF FLINT:



Sheldon A. Neeley, Mayor

APPROVED BY CITY COUNCIL:



Kate Fields, City Council President



CITY OF FLINT


RESOLUTION STAFF REVIEW FORM

TODAY'S DATE: 09/15/2021

BID/PROPOSAL#

AGENDA ITEM TITLE: RESOLUTION APPOINT MEMBERS TO THE WATER SYSTEM ADVISORY COUNCIL

PREPARED BY: Lottie Ferguson, Chief Resilience Officer
(Please type name and Department)


Lottie Ferguson (Sep 15, 2021 15:50 EDT)

VENDOR NAME: N/A

BACKGROUND/SUMMARY OF PROPOSED ACTION:

In July 2018, the State of Michigan's Department of Environment, Great Lakes and Energy (EGLE) established the Lead and Copper Rule (LCR) under the Michigan Safe Water Drinking Act 399.

The purpose of the LCR is to minimize lead and copper in drinking water and indicates that a Water System Advisory Council (WSAC) is to be established on behalf of cities with 50,000 or more people served by its municipal water system. The WSAC is responsible for assisting with public awareness to create transparency and consumer confidence through statewide efforts of public education and action steps to ensure water quality through water sampling, water treatment and lead service line replacement. A Council shall consist of a least five members appointed by the community supply. To be eligible for appointment to Council, an individual must have a demonstrated interest in or knowledge about lead in drinking water and its effects. At least one member must be a local resident who does not formally represent the interest of any incorporated organization.

In June 2019, the City of Flint began to establish a board for the WSAC by sending letters of interest to various community partners and members. The process of establishing the board did not see completion and was then put on hold due to a change in City administration. The open public meeting was also delayed due to the COVID-19 pandemic.

In February 2021, the Office of Public Health (OPH) sent notices of participation to public health community partners and community members and requested resumes of those individuals in order to submit an approval to Flint City Council to officially establish the Water System Advisory Council. The WSAC will be hosted by the City's OPH, who will organize and oversee the annual meeting, according to the Open Meetings Act 267. This annual meeting will inform and include the public on the City's lead and copper status, progress and next steps.



CITY OF FLINT

BUDGET YEAR 2 \$0

BUDGET YEAR 3 \$0

OTHER IMPLICATIONS (*i.e., collective bargaining*):

STAFF RECOMMENDATION: (*PLEASE SELECT*): X ☒ **APPROVED** ☐ **NOT APPROVED**

DEPARTMENT HEAD SIGNATURE: Lottie Ferguson, Chief Resilience Officer
(*PLEASE TYPE NAME, TITLE*)

Wendy Braun

OWNER - Wendy's Kitchen

Flint, MI 48503

wbraun3@comcast.net

810-938-6816

Work Experience

Owner

Wendy's Kitchen - Flint, MI

June 2014 to Present

Prepare, package, label and sell baked goods at area farm markets and by special orders, working within the guidelines of the Michigan Cottage Food Law. The law allows products to be produced in a home kitchen, and earnings can't exceed \$10,000 annually. Products include cakes, pies, cupcakes, bars and brownies.

COMMUNITY ENGAGEMENT SPECIALIST

City of Flint - Flint, MI

September 2014 to July 2016

Performed confidential and complex administrative and clerical duties. Provided outreach and technical assistance to City of Flint water customers. Compiled, analyzed, managed, maintained, and reviewed Flint's water crisis reports and statistics, and communicated weekly feedback reports to the administration, City Council and water crisis partners on the status of community participation. Scheduled appointments for customers to receive bottled water, filters, lead testing and home lead inspection services. Worked to resolve residents water service complaints and issues. Planned, coordinated, managed, and participated in community water crisis outreach initiatives.

SEASONAL STORE MANAGER

Headway Workforce Solutions/Hickory Farms - Raleigh, NC

October 2013 to January 2014

(Seasonal Position)

This was a seasonal position in which a kiosk was set up in an area mall selling Hickory Farms products during November and December 2013. Responsibilities included assembling and stocking the kiosk, hiring, training, supervising, and scheduling employees, balancing daily and weekly receipts, preparing payroll, daily bank deposits, preparing and distributing samples to shoppers, operating a pos system, and any additional duties related to the successful operation of a small business. My team and myself sold over \$47,000 in product in 6 weeks, which placed us in 2nd place behind a kiosk which was located at Great Lakes Crossing in Auburn Hills, Michigan.

TEAM LEAD/EVENT SPECIALIST

Crossmark - Plano, TX

March 2009 to September 2012

Presented, demonstrated, and provided samples of both food and non-food products to customers in an area Wal Mart store. Met and/or exceeded daily sales goals. Developed and maintained

relationships with store personnel. Set up displays of products to ensure maximum visibility. Prepared and submitted a report upon completion of the demo.

MAYOR'S AIDE/COMMUNITY CENTER DIRECTOR

City of Flint - Flint, MI

July 2006 to February 2009

Provided administrative and clerical support. Served as a liaison between the Mayor's office, City Council and the residents. Organized and managed special events. Created and distributed newsletters to the community. Assisted residents and providing solutions with any questions and concerns they had associated with the Department of Public Works including but not limited to potholes, sinkholes, traffic signals, damaged trees, and water bill payment arrangements. Greeted and directed visitors to the appropriate individual and/or department. Worked in the capacity of a Center Director at 2 Community Centers which entailed supervising and scheduling employees assigned to the Centers, planning activities for both youth and seniors. Activities included arts and crafts, line dancing exercise classes, basic computer skills, woodworking, and cooking.

Education

CERTIFICATION in Grant Writing

University of Michigan - Flint, MI

July 2013

AAS with High Honors in Criminal Justice

Mott Community College - Flint, MI

September 1978 to December 1979

Paralegal Studies

Baker College - Flint, MI

September 1976 to December 1977

Environmental Law

Ferris State University - Big Rapids, MI

September 1975 to May 1976

Skills

- Customer Service
- Customer Care
- Customer Support
- CSR

Certifications and Licenses

Food Safety Manager Certification - National Registry of Food Safety Professionals

Present

RESOLUTION NO.: 210448PRESENTED: SEP 22 2021

ADOPTED: _____

PROPOSAL# 21-514

BY THE CITY ADMINISTRATOR:

RESOLUTION TO ACE SAGINAW PAVING COMPANY FOR ASPHALT PAVING MATERIALS

The City of Flint Department of Purchases & Supplies solicited bids for the City of Flint Department of Transportation and Water Service Center for asphalt paving materials in 2020.

Whereas, Ace Paving Saginaw, 115 S. Averill Ave. Flint, MI was the responsive bidder rewarded for the two (2) year proposal. Resolution #200375 was adopted to proceed into this contract on September 14, 2020. Ace Saginaw Paving Co. is also the sole local vendor for asphalt paving supplies.

Whereas, The Department of Public Works and Water Service Center is requesting to enter into year (2) of a two-year bid contract with Ace Saginaw Paving Company for asphalt paving materials for the City of Flint, to be taken out of the following accounts:

Account Number	Account Name	Amount
202-449.201-782.000	Asphalt	\$95,000.00
203-449.201-782.000		\$358,500.00
202-449.203-782.000		\$13,500.00
203-449.203-782.000		\$12,000.00
203-449.211-782.000		\$9,000.00
203-449.211-782.000		\$12,000.00
590-540.208-782.000		\$30,000.00
591-540.202-782.000		\$30,000.00
	FY22 GRAND TOTAL	\$560,000.00

IT IS RESOLVED, that the appropriate city officials are to do all things necessary to continue the current contract with Ace Saginaw Paving, Company, Flint MI, for asphalt paving materials for FY22 (07/01/21-06/30/22) in an amount not-to-exceed \$560,000.00.

APPROVED AS TO FORM:


Angela Wheeler (Sep 15, 2021 13:25 EDT)

Angela Wheeler, Chief Legal Officer

APPROVED AS TO FINANCE:



Robert Widigan, Interim Chief Financial Officer

FOR THE CITY OF FLINT:

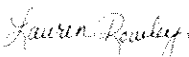

CLYDE D. EDWARDS (Sep 15, 2021 13:31 EDT)

Clyde Edwards, City Administrator

APPROVED BY CITY COUNCIL:


Kate Fields, City Council President

APPROVED AS TO PURCHASING:

Lauren Rowley
Purchasing Manager



CITY OF FLINT

STAFF REVIEW FORM

TODAY'S DATE: August 25, 2021

BID/PROPOSAL# 21-514

AGENDA ITEM TITLE: Asphalt

PREPARED BY Kathryn Neumann for John Daly, Director of Transportation

VENDOR NAME: Ace Asphalt

BACKGROUND/SUMMARY OF PROPOSED ACTION:

Asphalt used to repair hazardous conditions in the roadway, i.e. potholes, road cuts, water cuts

FINANCIAL IMPLICATIONS: There is money in the accounts listed below

BUDGETED EXPENDITURE? YES ☒ NO ☐ IF NO, PLEASE EXPLAIN:

Dept.	Name of Account	Account Number	Grant Code	Amount
Streets	Asphalt	202-449.201-782.000		\$95,000.00
		203-449.201-782.000		\$358,500.00
		202-449.203-782.000		\$13,500.00
		203-449.203-782.000		\$12,000.00
		202-449.211-782.000		\$ 9,000.00
		203-449.211-782.000		\$12,000.00
		FY22 GRAND TOTAL		\$500,000.00

PRE-ENCUMBERED? YES ☒ NO ☐ **REQUISITION NO:** 210004346

ACCOUNTING APPROVAL: Kirstie Troup
Kirstie Troup (Aug 25, 2021 12:59 EDT) **Date:** _____

WILL YOUR DEPARTMENT NEED A CONTRACT? YES ☐ NO ☒
(If yes, please indicate how many years for the contract) _____ YEARS

OTHER IMPLICATIONS (i.e., collective bargaining): None

STAFF RECOMMENDATION: (PLEASE SELECT): ☒ **APPROVED** ☐ **NOT APPROVED**

DEPARTMENT HEAD SIGNATURE: John H. Daly III
John H. Daly III (Aug 25, 2021 13:05 EDT)
(John Daly, Director of Transportation)



CITY OF FLINT

WILL YOUR DEPARTMENT NEED A CONTRACT? YES NO ☒

(If yes, please indicate how many years for the contract)

WHEN APPLICABLE, IF MORE THAN ONE (1) YEAR, PLEASE ESTIMATE TOTAL AMOUNT FOR EACH BUDGET YEAR: (This will depend on the term of the bid proposal)

BUDGET YEAR 1

BUDGET YEAR 2

BUDGET YEAR 3

OTHER IMPLICATIONS (i.e., collective bargaining):

STAFF RECOMMENDATION: (PLEASE SELECT): X ☒ APPROVED ☐ NOT APPROVED

DEPARTMENT HEAD SIGNATURE:


Michael J. Brown, Director of Public Works

CITY OF FLINT



PROPOSAL#21000514

RESOLUTION NO:

200375

PRESENTED:

SEP 14 2020

ADOPTED:

SEP 14 2020

BY THE CITY ADMINISTRATOR:

**RESOLUTION TO ACE SAGINAW PAVING COMPANY FOR
ASPHALT PAVING MATERIALS**

On June 10, 2019, the Proper City Officials approved to issue a purchase order to Ace Saginaw Asphalt, 115 S. Averill Ave., Flint, Michigan 48506, for Asphalt Paving Materials (Resolution #190221) in the amount of \$424,400.00 for the first of a two-year proposal.

Ace Saginaw Paving was the responsive bidder out of four solicitations. On July 21, 2020, an emergency purchase order (#20-002593) was issued in the amount of \$74,000.00 for asphalt paving materials to repair hazardous conditions in the roadway.

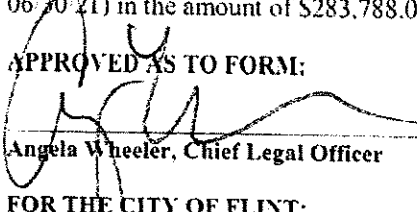
The Department of Public Work has requested the second year of asphalt paving materials through June 30, 2021 in the amount of \$283,788.00.

Funding for said services are available in the budget for FY21 (07/01/20 – 06/30/21):

Account Number	Account Name	Amount
202-449.201-782.000	Asphalt - Major	\$ 95,000.00
203-449.201-782.000	Asphalt - Locals	\$142,500.00
202-449.203-782.000	Asphalt - Major Winter	\$ 13,400.00
203-449.203-782.000	Asphalt - Local Winter	\$ 12,155.00
202-449.211-782.000	Asphalt - Water Major	\$ 8,829.00
203-449.211-782.000	Asphalt - Water Locals	\$ 11,904.00
FY21 (07/01/20 – 06/30/21) Total		\$ 283,788.00

IT IS RESOLVED, that the Proper City Officials, are hereby authorized to do all things necessary to enter into a contract with Ace Saginaw Asphalt for Asphalt Paving Materials for FY21 (07/01/20 – 06/30/21) in the amount of \$283,788.00 and for an aggregate total of \$782,188.00.

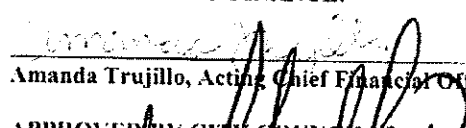
APPROVED AS TO FORM:


 Angela Wheeler, Chief Legal Officer

FOR THE CITY OF FLINT:


 Clyde Edwards, City Administrator

APPROVED AS TO FINANCE:


 Amanda Trujillo, Acting Chief Financial Officer

APPROVED BY CITY COUNCIL:


 Monica Galloway, City Council President

APPROVED AS TO PURCHASING:


 Joyce A. McClane, Purchasing Manager



SEALED PROPOSALS RECEIVED IN THE DIVISION OF PURCHASES & SUPPLIES

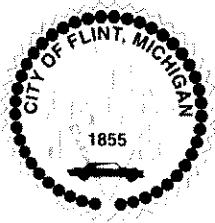
For Asphalt Paving Materials

PROPOSAL #21000514

Company: Ace Saginaw Paving Co. – Flint, Michigan

Approximate Annual Quantities – Not Guaranteed
Furnish as requested for the period 7/1/20 – 6/30/22

Item #	Description	Unit Price	Extended Total
1	2,000 Tons - 1100T, 20AA - New	\$ 63.25 /ton	\$126,500.00
2	4,000 Tons - High Stability Top, 20AA - New	\$ 65.00 /ton	\$260,000.00
3	200 Gallons - New LTBC-2 Trackless tack	\$ 5.20 /ton	\$1,040.00
4	2,000 Tons - Cold Milling Asphalt	\$ 8.00 /ton	\$16,000.00
5	16,600 Tons - Credit for Stripped Material returned for recycling	\$ N/A /ton	\$ N/A
6	Standard Performance Cold Patch	\$ N/A /ton	\$ N/A
7	Permanent High Performance Cold patch (meeting or exceeding the attached specifications)	\$ 118.00 /ton	\$ N/A
<p>"Permanent High Performance Cold Patch with a Performance Guarantee". Proposed material must provide a written guarantee to adhere permanently to the repaired street area for the life of the repair or actual volumes used will be replaced at no charge. Written copy of said guarantee must be provided with proposal response. Cold patch material must allow for immediate traffic use after application without any mixing, heating, or tracking required. Proposed material must be guaranteed to adhere to concrete, steel and asphalt under all types of weather conditions. Material must remain pliable at temperatures from -15 F to +105 F.</p>			
Daily rent rate for equipment only:			
8	Rental per day/hour large 8 to 12 ton roller		\$121.00
9	Rental per day/hour 46.5 ton flowboy with operator		\$150.00
10	Rate per day/hour paver with operator		\$210.00
11	Rental per day/hour double train to dump in with operator		\$146.00
TOTALS			\$ N/A
<p>Only the specifier has the responsibility and judgment for determining whether a proposed substitution is an "or equal or exceeding" specification. Mfg., model #, and supporting documentation of specifications for alternates must be provided.</p>			



PROPOSAL# 20000560

RESOLUTION NO.: 210449
PRESENTED: SEP 22 2021
ADOPTED: _____

BY THE CITY ADMINISTRATOR:

**RESOLUTION TO DUKE'S ROOT CONTROL FOR CHEMICAL ROOT CONTROL TREATMENT
SERVICES FOR CITY SEWER SYSTEMS.**

The Department of Purchases & Supplies solicited proposals in 2020 for the City of Flint Sewer Line Chemical Root Control Services as requested by the Department of Public Works, and;

Duke's Root Control, Inc., 1020 Hiawatha Blvd West, Syracuse, NY was the sole bidder for said services. The company was awarded the work, and was originally approved in adoption of resolution #2001620. The company agreed in writing to extend the bid pricing from bid # 20-0560 for the next two fiscal years, 2021-2022 and 2022-2023.

Funding for said services are budgeted and will come from the following account:

Account Number	Account Name	Amount
590-540.300-801.000	Capital Improvement	\$350,000.00
	FY21 GRAND TOTAL	\$350,000.00

IT IS RESOLVED, That the Appropriate City Officials are to do all things necessary to extend their contract with Duke's Root Control Inc. for Flint Sewer Line Chemical Root Control Services for FY 22 (07/01/21-06/30/22) in an amount not-to-exceed \$350,000.00.

APPROVED AS TO FORM:

Angela Wheeler
Angela Wheeler (Sep 13, 2021 13:19 EDT)
Angela Wheeler, Chief Legal Officer

APPROVED AS TO FINANCE:

Robert J. F. Widigan
Robert Widigan, Interim Chief Financial Officer

FOR THE CITY OF FLINT:

CLYDE D EDWARDS
CLYDE D EDWARDS (Sep 15, 2021 08:09 EDT)
Clyde Edwards, City Administrator

APPROVED BY CITY COUNCIL:

Kate Fields
Kate Fields, City Council President

APPROVED AS TO PURCHASING:

Lauren Rowley
Lauren Rowley, Purchasing Manager



CITY OF FLINT

WILL YOUR DEPARTMENT NEED A CONTRACT? YES ☒ NO

(If yes, please indicate how many years for the contract)

WHEN APPLICABLE, IF MORE THAN ONE (1) YEAR, PLEASE ESTIMATE TOTAL AMOUNT FOR EACH BUDGET YEAR: *(This will depend on the term of the bid proposal)*

BUDGET YEAR 1

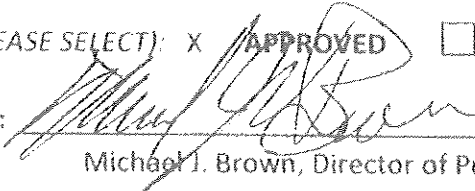
BUDGET YEAR 2

BUDGET YEAR 3

OTHER IMPLICATIONS *(i.e., collective bargaining)*:

STAFF RECOMMENDATION: (PLEASE SELECT): ☒ APPROVED ☐ NOT APPROVED

DEPARTMENT HEAD SIGNATURE:


Michael J. Brown, Director of Public Works



1020 Hiawatha Blvd. West. Syracuse, NY 13204

72 East Street, Crystal Lake, IL 60014

August 6, 2021

Cheri Priest
Accounts Payable
City of Flint
3310 East Court Street
Flint, MI 48506

Dear Cheri Priest,

Duke's Root Control, Inc. will honor the pricing from bid #2560 for the next two fiscal years, 2021-2022 and 2022-2023. Please contact me with any additional concerns or questions.

Sincerely,

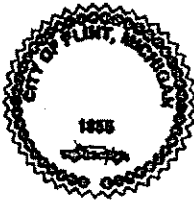
Braden L. Boyko
Vice President of Enterprise Excellence

P20-560 Sewer Line Chemical Root Control Services

ITEM	Duke's Root Control, inc.DESCRPTION	Pipe Size	UNIT PRICE PER LINEAR FOOT	ESTIMATED FOOTAGE	TOTAL PRICE
1	Sewer line chemical root control, including all labor, materials, equipment and associated costs, shall be paid for at the unit price bid per linear foot of each size pipe. Unit prices are to be computed per linear foot manhole-to-manhole	6 INCH	\$1.45	1	\$1.45
		8 INCH	\$1.45	1	\$1.45
		10 INCH	\$1.60	1	\$1.60
2		12 INCH	\$1.74	1	\$1.74
		15 INCH	\$2.43	1	\$2.43
		18 INCH	\$3.50	1	\$3.50
		21 INCH	\$4.33	1	\$4.33
		Additional Manholes*	\$150.00	1	\$150.00
	Sum Total Price(in figures)				\$168.60
*Manholes no directly connected to main-line sections of pipe specified for treatment					

200160

CITY OF FLINT



PROPOSAL #20000560

RESOLUTION NO: _____

PRESENTED: 4-13-20

PRESENTED: 4-13-2020

BY THE CITY ADMINISTRATOR:

**RESOLUTION TO DUKE'S ROOT CONTROL, INC FOR
SEWER LINE CHEMICAL ROOT CONTROL SERVICES**

The Department of Purchases & Supplies solicited proposals for the City of Flint Sewer Line Chemical Root Control Services as requested by the Department of Public Works, and;

Duke's Root Control, Inc was the sole bidder for said services. Funding for said services are budgeted and will come from the following account:

Dept.	Name of Account	Account #	Grant #	Amount
590	Root Control	540.300-801.000	N/A	\$ 350,000.00

IT IS RESOLVED, Appropriate City officials are to do all things necessary to enter into a contract with Duke's Root Control, Inc., in an amount not-to-exceed \$350,000.00.

APPROVED AS TO PURCHASING:

Joyce A. McClane
Purchasing Manager

APPROVED AS TO FINANCE:

Amanda Trujillo
Acting Chief Financial Officer

APPROVED AS TO FORM:

Angela Wheeler, Chief Legal Officer

Clyde Edwards, City Administrator

CITY COUNCIL

Monica Galloway, Council President

494



PROPOSAL# 21-518

RESOLUTION NO.: 210450

PRESENTED: SEP 22 2021

ADOPTED: _____

BY THE CITY ADMINISTRATOR:

RESOLUTION TO FERGUSON WATERWORKS FOR WATER SERVICE REPAIR PARTS

The City of Flint Department of Purchases & Supplies solicited bids for Water Main and Service Connection Parts as requested by the Water Service Center for two (2) years and;

Ferguson Waterworks, 4040 Eagles Nest, Flushing, MI was the responsive bidder for said requirements. Ferguson Waterworks Inc. was awarded the contract in 2020, and resolution # 200457 was adopted by Flint City Council to approve the request for these supplies.

Whereas, the Water Service Center is requesting to enter into year two (2) of the two-year contract with Ferguson Waterworks Inc. for Fiscal year 2022. Funding for said services are available in the following account for FY22 (07/01/21-06/30/22):

Account Number	Account Name	Amount
591-540.202-752.000	Supplies	110,000.00
	FY22 GRAND TOTAL	\$110,000.00

IT IS RESOLVED, that the Proper City Officials are authorized to enter into year two (2) of the two-year contract with Ferguson Waterworks, Inc. for Water Main and Service Connection Parts for WSC for FY22 (07/01/21-06/30/22), and issue a purchase order amount not-to-exceed \$110,000.00.

APPROVED AS TO FORM:

Angela Wheeler
Angela Wheeler (Sep 14, 2021 15:43 EDT)

Angela Wheeler, Chief Legal Officer

APPROVED AS TO FINANCE:

Robert J. F. Widigan

Robert Widigan, Interim Chief Financial Officer

FOR THE CITY OF FLINT:

CLYDE D EDWARDS
CLYDE D EDWARDS (Sep 15, 2021 08:15 EDT)

Clyde Edwards, City Administrator

APPROVED BY CITY COUNCIL:

Kate Fields
Kate Fields, City Council President

APPROVED AS TO PURCHASING:

Lauren Rowley

Lauren Rowley
Purchasing Manager





CITY OF FLINT

WILL YOUR DEPARTMENT NEED A CONTRACT? YES NO ☒

(If yes, please indicate how many years for the contract)

WHEN APPLICABLE, IF MORE THAN ONE (1) YEAR, PLEASE ESTIMATE TOTAL AMOUNT FOR EACH BUDGET YEAR: (This will depend on the term of the bid proposal)

BUDGET YEAR 1

BUDGET YEAR 2

BUDGET YEAR 3

OTHER IMPLICATIONS (i.e., collective bargaining):

STAFF RECOMMENDATION: (PLEASE SELECT): X ☒ APPROVED ☐ NOT APPROVED

DEPARTMENT HEAD SIGNATURE:


Michael J. Brown, Director of Public Works



SEALED PROPOSALS RECEIVED IN THE DIVISION OF PURCHASES & SUPPLIES
For 2 YEAR WATER SERVICE/WATER MAIN REPAIR PARTS
PROPOSAL #21000518

Approximate Annual Quantities – Not Guaranteed
Furnish as requested for the period 7/1/20 – 6/30/22

<i>Vendor</i>	<i>Total Unit Price Year 1</i>	<i>Total Unit Price Year 2</i>
Etna Supply Company, Grand Rapids, MI	\$3,749.05	\$3,016.15
Ferguson Waterworks, Flushing, MI	\$2,503.15	\$2,681.81

CITY OF FLINT

200457



PROPOSAL #21000518

RESOLUTION NO: _____

PRESENTED: NOV - 9 2020ADOPTED: NOV - 9 2020

BY THE CITY ADMINISTRATOR:

**RESOLUTION TO FERGUSON WATERWORKS FOR WATER MAIN AND
SERVICE CONNECTION PARTS**

The Finance Department-Division of Purchases and Supplies solicited bids for Water Main and Service Connection Parts as requested by the Water Service Center for two (2) years; and

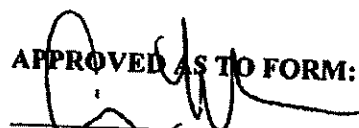
Ferguson Waterworks, 4040 Eagles Nest, Flushing, Michigan was the responsive bidder for said requirements.

Funding for said services are available in the following account for FY21 (07/01/20 - 06/30/21):

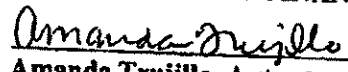
Account Number	Account Name	Amount
591-540.202-726.000	Repair Parts	\$100,000.00
	FY21 (07/01/20 THRU 06/30/21)	\$100,000.00

IT IS RESOLVED, that the Proper City Officials, are authorized to approve the issuance of a purchase order for FY21 (07/01/20 thru 6/30/21) to Ferguson Waterworks for Water Main and Service Connection Parts in the amount not to exceed \$100,000.00.

APPROVED AS TO FORM:


Angela Wheeler, Chief Legal Officer

APPROVED AS TO FINANCE:


Amanda Trujillo, Acting Chief Financial Officer

FOR THE CITY OF FLINT:

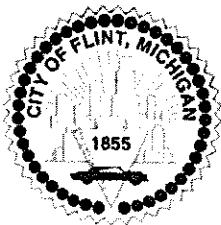

Clyde Edwards, City Administrator

APPROVED BY CITY COUNCIL


Kate Fields, President

APPROVED AS TO PURCHASING:


Joyce A. McClane, Purchasing Manager



PROPOSAL 19-560

RESOLUTION NO.: 210451
PRESENTED: SEP 22 2021
ADOPTED: _____

RESOLUTION TO DLZ MICHIGAN INC. FOR
WPC NORTHWEST PUMP STATION BYPASS DIVERSION ENGINEERING
CONTRACT CHANGE ORDER-1

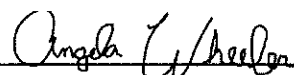
BY THE CITY ADMINISTRATOR:

DLZ Michigan, Inc. was awarded the contract for the WPC Northwest Pump Station Bypass Diversion Engineering in the amount of \$169,753.00. Due to unforeseeable conditions related to the boring and locating of the 102" diameter sanitary sewer transmission line additional engineering oversight is required for the bypass diversion project. The original Final Completion date of June 14, 2021 was extended due to these obstacles. The additional engineering oversight and project time extension requires a change order of \$5,100.00.

Account Number	Account Name	Amount
590-550.300-801.000	WPC- Professional Services	\$5,100.00


IT IS RESOLVED, that the Proper City Officials, are authorized enter into **Change Order-1** with DLZ Michigan, Inc., 1425 Keystone Avenue, Lansing, Michigan, 48911 for the additional engineering oversight required to complete the WPC Northwest Pump Station Bypass Diversion project in the not to exceed amount of \$5,100.00, a revised contract not to exceed amount of \$174,853.00.

APPROVED AS TO FORM:



Angela Wheeler
Chief Legal Officer

APPROVED AS TO FINANCE:



Robert Widigan
Interim Chief Financial Officer

FOR THE CITY OF FLINT:



Clyde Edwards, City Administrator

APPROVED BY CITY COUNCIL:

Kate Fields, City Council President

APPROVED AS TO PURCHASING:



Lauren Rowley, Purchasing Manager



CITY OF FLINT

RESOLUTION STAFF REVIEW FORM

TODAY'S DATE: 08/31/2021

BID/PROPOSAL: 19-560

AGENDA ITEM TITLE: WPC NWPS Bypass Diversion Change Engineering Order-1

PREPARED BY Krystal Wallace
Water Pollution Control

VENDOR NAME: DLZ Michigan, Inc.

BACKGROUND/SUMMARY OF PROPOSED ACTION:

Currently WPC is near completion with a Council approved SRF project to create a bypass diversion to its Northwest Pumping Station. Unforeseen conditions related to soil boring and location of the sanitary sewer during extreme winter conditions caused an increase in the time and equipment allotted for the project. Although as-built drawings were provided, the actual location of the sanitary sewer was 18 ft. away from the expected location. Additionally, during the boring process the soil contained an excessive amount of stone cobbles which affected the estimated project time and required additional equipment resources. These obstacles created the need for additional oversight of the Project Engineer. The original expected date of Final Completion was June 14, 2021.

The City's Administration worked with the engineering firm, DLZ Michigan, Inc. to find a reasonable compromise to the issues stated above of which resulted in this request for a Contract Change Order. Therefore, it is recommended that a change order to the contract with DLZ Michigan, Inc., in the amount of \$5,100.00 for WPC Northwest Pump Station Bypass Diversion project, revised contract amount of \$174,853.00. be approved.

FINANCIAL IMPLICATIONS: None

BUDGETED EXPENDITURE? YES ☒ NO ☐ IF NO, PLEASE EXPLAIN:

Dept.	Name of Account	Account Number	Grant Code	Amount
DPW-WPC	Professional Services	590-550.300-801.000		\$5,100.00
	Change Order 1 Total			\$5,100.00
	Original Contract Amount			\$169,753.00
	New Contract TOTAL			\$174,853.00

PRE-ENCUMBERED? YES ☒ NO ☐ **REQUISITION NO:** 220004954

ACCOUNTING APPROVAL: _____ *[Signature]* **Date:** 9/01/2021



CITY OF FLINT

WILL YOUR DEPARTMENT NEED A CONTRACT? YES ☒ NO ☐

(If yes, please indicate how many years for the contract) YEARS

WHEN APPLICABLE, IF MORE THAN ONE (1) YEAR, PLEASE ESTIMATE TOTAL AMOUNT FOR EACH BUDGET YEAR: *(This will depend on the term of the bid proposal)*


BUDGET YEAR 1

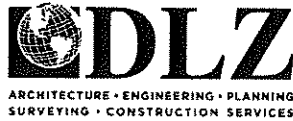
BUDGET YEAR 2

BUDGET YEAR 3

OTHER IMPLICATIONS *(i.e., collective bargaining)*: None.

STAFF RECOMMENDATION: *(PLEASE SELECT)*: ☒ **APPROVED** ☐ **NOT APPROVED**

DEPARTMENT HEAD SIGNATURE: 
(Jeanette Best, WPC Manager)



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

August 17, 2021

Ms. Jeanette M. Best
City of Flint WPC Manager
G-4652 Beecher Road
Flint, Michigan 48532

RE: NWPS Flow Diversion – Request for Contraction Modification for DLZ Engineering Contract

Dear Ms. Best,

DLZ is requesting a contraction modification to increase DLZ's engineering contract by \$5,100.00 (+3%) from \$169,753.00 to \$174,853.00 for the following reasons:

1. Additional field observation time during the directional drilling operation. The directional drilling operation lasted approximately one additional week.
2. Additional time for Contract Administration beyond the June 14, 2021 Final Completion date. To date this additional time period is 2 ½ months.

DLZ greatly appreciates your consideration of the request contract modification and if you have any questions please contact us at 248-681-7800.

Sincerely,

Gregory J Gucwa, PE
Project Manager

CC: Mr. John Florshinger, DPW Engineer, City of Flint (via email)
Mr. Mike Brown, DPW Director, City of Flint (via email)
Mr. Terry Biederman, Vice President, DLZ (via email)
Mr. Brian Bachler, Construction Manager, DLZ (via email)

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6121 Huntley Road, Columbus, OH 43229 | OFFICE 614.888.0040 | ONLINE WWW.DLZ.COM

Akron Bellefontaine Bridgeville Burns Harbor Chicago Cincinnati Cleveland Columbus Detroit Fort Wayne Grand Rapids Indianapolis Joliet
Kalamazoo Lansing Lexington Logan Louisville Madison Maumee Melvindale Merrillville Munster Muskegon Port Huron Saint Joseph San
José South Bend Waterford



PROPOSAL 20000572

RESOLUTION NO.: 210452

PRESENTED: SEP 22 2021

ADOPTED: _____

RESOLUTION TO Z CONTRACTORS INC FOR
WPC NORTHWEST PUMP STATION BYPASS DIVERSION
SRF NO. 5696-01 – CHANGE ORDER-1

BY THE CITY ADMINISTRATOR:

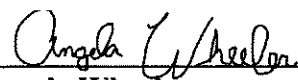
The division of Purchases & Supplies solicited proposals for the construction projects for Phase I of the Michigan State Revolving Fund Loan Project Plan as requested by the Department of Public Works, Water Pollution Control. Council Resolution 190188.1, adopted on June 24, 2019, approved the Publicly Owned Treatment Works, DPW-WPC Improvements SRF Project Plan.

Z Contractors, Inc. was awarded the contract for the WPC Northwest Pump Station Bypass Diversion in the amount of \$3,019,189.00. Due to unforeseeable conditions related to the boring and locating of the 102" diameter sanitary sewer transmission line additional work is required for the bypass diversion project. This additional work requires a change order of \$135,902.99.

Account Number	Account Name	Amount
590-550.413-801.075	SRF – NWPS Bypass Diversion Project	\$135,902.99

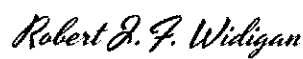
IT IS RESOLVED, that the Proper City Officials, are authorized enter into **Change Order-1** with Z Contractors, Inc. 50500 Design Lane, Shelby Township, Michigan, 48315 for the additional work required to complete the WPC Northwest Pump Station Bypass Diversion project in the not to exceed amount of \$135,902.99, a revised contract not to exceed amount of \$3,155,091.99.

APPROVED AS TO FORM:




Angela Wheeler
Chief Legal Officer

APPROVED AS TO FINANCE:



Robert Widigan
Interim Chief Financial Officer

FOR THE CITY OF FLINT:

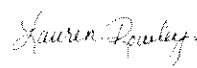


Clyde Edwards, City Administrator

APPROVED BY CITY COUNCIL:

Kate Fields, City Council President

APPROVED AS TO PURCHASING:



Lauren Rowley, Purchasing Manager



CITY OF FLINT

RESOLUTION STAFF REVIEW FORM

TODAY'S DATE: 08/31/2021

BID/PROPOSAL: P20-572

AGENDA ITEM TITLE: WPC NWPS Bypass Diversion Change Order-1

PREPARED BY Krystal Wallace
Water Pollution Control

VENDOR NAME: Z Contracting, Inc.

BACKGROUND/SUMMARY OF PROPOSED ACTION:

Currently WPC is near completion with a Council approved SRF project to create a bypass diversion to its Northwest Pumping Station. Unforeseen conditions related to soil boring and location of the sanitary sewer during extreme winter conditions caused an increase in the time and equipment allotted for the project. Although as-built drawings were provided, the actual location of the sanitary sewer was 18 ft. away from the expected location. Additionally, during the boring process the soil contained an excessive amount of stone cobbles which affected the estimated project time and required additional equipment resources.

The City's Administration worked with the contractor, Z Contractors, Inc. to find a reasonable compromise to the issues stated above of which resulted in this request for a Contract Change Order. Therefore, it is recommended that a change order to the contract with Z Contractor, Inc., in the amount of \$135,902.99 for WPC Northwest Pump Station Bypass Diversion project, revised contract amount of \$3,155,091.99 be approved.

FINANCIAL IMPLICATIONS: None

BUDGETED EXPENDITURE? YES ☒ NO ☐ IF NO, PLEASE EXPLAIN:

Dept.	Name of Account	Account Number	Grant Code	Amount
DPW-WPC	SRF-NWPS Bypass Division	590-550.413-801.075		\$135,902.99
	Change Order 1 Total			\$135,902.99
	Original Contract Amount			\$3,019,189.00
	New Contract TOTAL			\$3,155,091.99

PRE-ENCUMBERED? YES ☐ NO ☒ **REQUISITION NO:** 220004953

The project will be paid through the Michigan Clean Water Revolving Loan Fund Act upon approval.

ACCOUNTING APPROVAL:  **Date:** 9/6/2021



CITY OF FLINT

WILL YOUR DEPARTMENT NEED A CONTRACT? YES ☒ NO ☐

(If yes, please indicate how many years for the contract) YEARS

WHEN APPLICABLE, IF MORE THAN ONE (1) YEAR, PLEASE ESTIMATE TOTAL AMOUNT FOR EACH BUDGET YEAR: *(This will depend on the term of the bid proposal)*

BUDGET YEAR 1

BUDGET YEAR 2

BUDGET YEAR 3

OTHER IMPLICATIONS *(i.e., collective bargaining)*: None.

STAFF RECOMMENDATION: *(PLEASE SELECT)*: ☒ **APPROVED** ☐ **NOT APPROVED**

DEPARTMENT HEAD SIGNATURE: 
(Jeanette Best, WPC Manager)

CHANGE ORDER NO.: 1

Owner:	City of Flint	Owner's Project No.:	P20-572
Engineer:	DLZ	Engineer's Project No.:	1949-693500
Contractor:	Z Contractors	Contractor's Project No.:	202015
Project:	Northwest Pump Station Flow Diversion		
Contract Name:	SRF 5696-01		
Date Issued:	8/26/21	Effective Date of Directive:	8/26/21

The Contract is modified as follows upon execution of this Owner Directed Contingency:

Description:

Z Contractors submitted Change Proposal (CP) #1A and #1B on April 9, 2021 regarding extras borne by their sub-contractor, Rauhorn Electric, for activities related to the directional boring of the 28" HDPE sanitary sewer. CP #1A is for winter conditions including winterizing their boring equipment at the end of each day, rental for a Thawzall heat trailer, additional time for drilling due to inefficiencies from frozen conditions, tents, antifreeze, heaters, and fuel. The total original submitted cost for CP #1A was \$123,428.09 and included 5% OH/P for Z Contractors on sub-contractor work.

CP #1B was for unforeseen ground conditions as the soil boring did not clearly indicate large cobbles which were discovered during the directional drilling operations. The CP include extra manhours for labor inefficiencies, extra rental on equipment, and additional materials including reaming heads, fuel, and boring gel. The total original submitted cost for CP #1B was \$459,539.76 and included 5% OH/P and idled equipment charges for Z Contractors.

Z Contractors submitted CP #6 on April 5, 2021 for additional work related to locating the 102" diameter sanitary sewer tunnel to obtain an accurate tie-in location for the proposed 28" HDPE sanitary sewer. The contract drawings utilized existing as-built drawings to show the location of the tunnel as accurately as possible prior to field investigation. The tunnel was located approximately 18ft to the northwest of the original location shown on the contract drawings. The claim included setting additional boxes for excavation, additional labor and equipment for additional days of locating the tunnel, additional material for backfill, and additional sub-contractor work through Rauhorn Electric and Inland Water. The total original submitted cost for CP #6 was \$51,851.87.

The original claims from the contractor were disputed and re-negotiated several times. The responses to each submittal along with each submittal and re-submittal are attached as reference to this change order. The final agreed upon Change Proposals are as follows:

1. CP #1A + CP #1B = \$255,932.87
2. CP 6 = \$43,100.00

This is the first change order which will use the remaining contingency available of \$149,310.38. Included in the original contract amount are several allowances, all of which have remaining budget that can be moved to cover some of the additional work within this change order. The following table shows the contract amount of each allowance, the amount used as a part of the contract work, and how much is leftover to be allocated to covering additional costs:

Description	Schedule of Values	Used	Remaining
Consumers Energy Service Allowance	\$15,000.00	\$12,664.50	\$2,335.50
Allowance for Soil Erosion Permit	\$5,000.00	\$1,200.00	\$3,800.00
Allowance for Road Commission Permit	\$7,500.00	\$0	\$7,500.00
Allowance for Programming	\$7,500.00	\$7,316.00	\$184.00

A total of \$13,819.50 can be reallocated from the remaining allowance budget to cover some of the additional work. An additional \$135,902.99 (4.5% of the original contract value) is required beyond the contract amount to cover the extra work detailed in this change order.

Attachments:

Attachments.zip

Change in Contract Price		Change in Contract Times [State Contract Times as either a specific date or a number of days]	
Original Contract Price:		Original Contract Times:	
\$ 3,019,189.00		Substantial Completion:	5/17/2021
		Ready for final payment:	6/14/2021
Increase/Decrease from previously approved Change Orders:		Increase/Decrease from previously approved Change Orders:	
\$ 0		Substantial Completion:	0
		Ready for final payment:	0
Contract Price prior to this Change Order:		Contract Times prior to this Change Order:	
\$ 3,019,189.00		Substantial Completion:	5/17/2021
		Ready for final payment:	6/14/2021
Increase this Change Order:		Increase/Decrease this Change Order:	
\$ 135,902.99		Substantial Completion:	0
		Ready for final payment:	0
Contract Price incorporating this Change Order:		Contract Times with all approved Change Order:	
\$ 3,155,091.99		Substantial Completion:	5/17/2021
		Ready for final payment:	6/14/2021

Additionally, DLZ is requesting a contraction modification to increase DLZ's engineering contract by \$5,100.00 (+3%) from \$169,753.00 to \$174,853.00 for the following reasons:

1. Additional field observation time during the directional drilling operation. The directional drilling operation lasted approximately one additional week.
2. Additional time for Contract Administration beyond the June 14, 2021 Final Completion date. To date this additional time period is 2 ½ months.

Recommended by Engineer (if required)		Authorized by Owner
By: <u>Brian Bachler, PE</u>	<u>Brian Bachler</u> <small>20240101 Licensed Professional Engineer 20240101 State of North Carolina License Number: 0000000000 A. State: 0000000000 Phone: 777-777-7777</small>	
Title: <u>Project Construction Manager</u>		
Date: <u>8/26/2021</u>		
<u>Authorized by Owner</u>		<u>Approved by Funding Agency (if applicable)</u>
By: _____		
Title: _____		
Date: _____		



RESOLUTION NO: 210453

PRESENTED: SEP 22 2021

ADOPTED: _____

**JOINT RESOLUTION OF THE MAYOR AND THE FLINT CITY COUNCIL
DECLARING AMERICAN SPIRIT, LLC, DBA CHEERS MARKET A PUBLIC
NUISANCE AND REQUESTING THE MICHIGAN LIQUOR CONTROL
COMMISSION OPEN A NEW COMPLAINT AGAINST AMERICAN SPIRIT,
LLC, DBA, CHEERS MARKET TO REVOKE ITS LICENSURE**

BY THE MAYOR AND THE CITY COUNCIL:

WHEREAS, the actions and inactions of American Spirits, LLC, DBA Cheers Market, (Michigan Liquor Control Commission SDD and SDM license numbers L000189397 and L000189398), located at 2809 W. Court Street in the City of Flint), are a public nuisance that threatens the health, safety, comfort, convenience, and welfare of our community; and

WHEREAS, the public nuisance caused by Cheers Market's actions and inactions is evidenced by over one-hundred (100) 911 police calls, emergency calls, complaint calls, shots fired calls, etc., received by the City of Flint Police Department from April 3, 2020 through March 15, 2021 (see attached reports); and

WHEREAS, Cheers Market, through its continued complicity and/or tolerance, allows the selling, of illicit drugs out of its establishment, which only fuels the public nuisance and further harms residents' health, safety and welfare; and

WHEREAS, on or about 1:00 PM on September 17, 2020, and in broad daylight, shots fired directly from the front parking lot of Cheers Market in the direction of moving traffic headed in an eastbound direction were a clear and present danger to the public further constituting a public nuisance; and

WHEREAS, these shocking, reckless, and lawless actions, fueled by the mere existence of Cheers Market and its patrons, require that the City of Flint condemn such behavior and declare Cheers Market a public nuisance in order to further the public welfare; and

WHEREAS, the City of Flint Police Department is redoubling its efforts to keep the citizenry and all who enter the boundaries of the City of Flint safe; and

WHEREAS, to further keep safe and protect the citizenry and all who enter the boundaries of the City of Flint, the Mayor and the Flint City Council will do all things necessary support the City of Flint community by deterring and eliminating any and all other establishments declared or deemed to be a public nuisance; and

WHEREAS, the City is committed to the elimination of businesses and establishments that devalue the quality of life in the community and offer no true, real, honest, or legal value and positive commitment within the boundaries of the City of Flint; and

WHEREAS, as long as Cheers Market is allowed to carry on the facade of business as usual with impunity and reckless abandon, it will continue to be a public nuisance and it is only a matter of time until a member of the City of Flint's community is seriously injured or killed; and

WHEREAS the Michigan Liquor Control Commission has promulgated rule 436.1103, which states in pertinent part that:

(2) "The commission shall consider all of the following factors in determining whether an applicant may be issued a license or permit:

...

(d) The opinions of the local residents, local legislative body, or local law enforcement agency with regard to the proposed business;

...

(i) The effects that the issuance of a license would have on the economic development of the area.

(j) The effects that the issuance of a license would have on the health, welfare, and safety of the general public."

WHEREAS, the Mayor and the City Councilmembers stand with the residents of Flint, in making this declaration of Cheers Market as a public nuisance; and

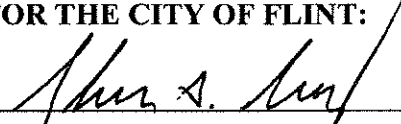
IT IS RESOLVED that the Mayor and the Flint City Council declare Cheers Market a public nuisance seriously affecting the City of Flint, and its community; and

IT IS RESOLVED that the Mayor and the Flint City Council do all things necessary to promote good, honest, hardworking, legitimate and law-abiding businesses throughout the City of Flint; and

IT IS FURTHER RESOLVED that the Mayor and the Flint City Council do all things

necessary to submit this resolution to the Michigan Liquor Control Commission declaring Cheers Market as a public nuisance in the City of Flint and request that a complaint be opened against Cheers Market to revoke its licensure under the Michigan Liquor Control Code.

FOR THE CITY OF FLINT:

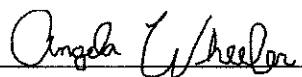


Sheldon A. Neeley, Mayor

APPROVED BY CITY COUNCIL:

Kate Fields, City Council President

APPROVED AS TO FORM:



Angela Wheeler, Chief Legal Officer



CITY OF FLINT

RESOLUTION STAFF REVIEW FORM

TODAY'S DATE: 9/2/2021

BID/PROPOSAL# N/A

AGENDA ITEM TITLE: Joint resolution of the mayor and the flint city council declaring American Spirit, llc, dba cheers market a public nuisance and requesting the Michigan Liquor Control Commission open a new complaint against American Spirit, llc, dba, Cheers Market to revoke its licensure

PREPARED BY Angela Wheeler, Department of Law

VENDOR NAME: N/A

BACKGROUND/SUMMARY OF PROPOSED ACTION:

American Spirits, LLC, DBA Cheers Market's, (Michigan Liquor Control Commission SDD and SDM license numbers L000189397 and L000189398, located at 2809 W. Court Street in the City of Flint), actions, and inactions are a public nuisance and continues to threaten the health, safety, comfort, convenience, and welfare of our community. Cheers Market's actions and inactions are clearly indicative of a public nuisance resulting in over one-hundred (100) 911 police calls, emergency calls, complaint calls, shots fired, etc., within a time span of April 3, 2020 through March 15, 2021 having been made to the City of Flint Police Department. As long as Cheers Market is allowed to carry on the facade of business as usual with impunity and reckless abandon it will continue to be a public nuisance and it's only a matter of time before someone of the City of Flint community is seriously injured or killed.

The Michigan Liquor Control Commission R 436.1003 Building and ordinances; Rule 3. (1) A licensee shall comply with all state and local building, plumbing, zoning, sanitation, and health laws, rules, and ordinances as determined by the state and local law enforcement officials who have jurisdiction over the licensee. (2) A licensee shall not use a license at the licensed premises unless a temporary or permanent certificate of occupancy has been issued to the local unit of government having jurisdiction over the location of the licensed premises or the licensed premises complies with the requirements in subrule (1) of this rule. The Michigan Liquor Control Code, Administrative Rules, and Related Laws also known as the State Of Michigan Liquor Control Commission R 436.1103 Application for License; forms; required information, Rule 5 subrule (2) "The commission shall consider all of the following factors in determining whether an applicant may be issued a license or permit:....(d) The opinions of the local residents, local legislative body, or local law enforcement agency with regard to the proposed business; (i) The effects that the issuance of a license would have on the economic development of the area. (j) The effects that the issuance of a license would have on the health, welfare, and safety of the general public."



CITY OF FLINT

WHEREAS, subrule (3) An application for a new license, an application for any transfer of interest in an existing license, or an application for a transfer of location of an existing license shall be denied if the commission is notified, in writing, that the application does not meet all appropriate state and local building, plumbing, zoning, fire, sanitation, and health laws and ordinances as certified to the commission by the appropriate law enforcement officials. The commission may accept a temporary or permanent certificate of occupancy for public accommodation issued by the appropriate officials as evidence of compliance with this subrule.

Therefore it is requested that the Mayor and the Flint City Council do all things necessary and declare Cheers Market a public nuisance seriously affecting the City of Flint, and its community; and the Mayor and the Flint City Council do all things necessary work to progress and promote good, honest, hardworking, legitimate and law-abiding businesses throughout the City of Flint; and that the Mayor and the Flint City Council do all things necessary to submit this resolution to the Michigan Liquor Control Commission declaring Cheers Market as a public nuisance in the City of Flint and request that a new complaint be open against Cheers Market to revoke its licensure.

FINANCIAL IMPLICATIONS: No

BUDGETED EXPENDITURE? YES ☐ NO ☒ IF NO, PLEASE EXPLAIN: No financial impact on the City of Flint

Dept.	Name of Account	Account Number	Grant Code	Amount
		FY 20/21 GRAND TOTAL		

PRE-ENCUMBERED? YES ☐ NO ☐ REQUISITION NO:

ACCOUNTING APPROVAL: Angela Wheeler **Date:** 9-2-2021

WILL YOUR DEPARTMENT NEED A CONTRACT? YES ☐ NO ☒
(If yes, please indicate how many years for the contract) YEARS



CITY OF FLINT

WHEN APPLICABLE, IF MORE THAN ONE (1) YEAR, PLEASE ESTIMATE TOTAL AMOUNT FOR EACH BUDGET YEAR: *(This will depend on the term of the bid proposal)*

BUDGET YEAR 1 N/A

BUDGET YEAR 2 N/A

BUDGET YEAR 3 N/A

OTHER IMPLICATIONS *(i.e., collective bargaining)*: N/A

STAFF RECOMMENDATION: *(PLEASE SELECT)*: ☒ APPROVED ☐ NOT APPROVED

DEPARTMENT HEAD SIGNATURE: _____
(PLEASE TYPE NAME, TITLE)



RESOLUTION NO.: 210458

PRESENTED: SEP 22 2021

ADOPTED: _____

RESOLUTION TO CITY COUNCIL TO AUTHORIZE THE HEALTHY START GRANT AGREEMENT

BY THE CITY ADMINISTRATOR:

Whereas, In July 2021, the City of Flint was awarded the continuation of a grant in the amount of \$454,795.00 over a one-year period. The funding is allocated for the Genesee Healthy Start Grant. (Performance period July 1, 2021-June 30, 2021).

Whereas, the primary strategy of Genesee Healthy Start Grant is to identify and provide health services to determined cohort children and families, and continued coordination of parent advisory group, of those impacted by the Flint Water Emergency by promoting the recovery of various health barriers through implementation of public health outreach and resident health management strategies.

Whereas, the Genesee County Health Department's mission is to improve the health of Genesee County residents by being proactive in preventing health disparities and by mitigating health related illnesses.

Whereas, Genesee County Health Department is the established Genesee Healthy Start Grant implementation program manager as approved by the Health Resources and Services Administration (HRSA), authorized work plan with an established role as convener of the Genesee County Board of Health and a success record of partnering with multiple community agencies to implement community-driven recovery strategies in response to the Flint Water Emergency.

Whereas, the Genesee County Health Department will enter a performance-based MOU over the duration of the grant program, providing program implementation, serve as the neutral convener of the Genesee Healthy Start Grant, and coordinate integration and collaboration with community-based partners.

IT IS RESOLVED that the appropriate City officials are authorized to do all things necessary to enter into agreement with Genesee County Health Department in the amount not to exceed \$454,795.00 over the final 12-month grant period July 1, 2021-June 30, 2022.

Approved as to Form:

Angela Wheeler
Angela Wheeler (Sep 15, 2021 18:16 EDT)

Angela Wheeler, Chief Legal Officer

CLYDE D EDWARDS
CLYDE D EDWARDS (Sep 16, 2021 11:33 EDT)

Clyde D. Edwards, City Administrator

Approved as to Finance:

Robert J. F. Widigan

Robert J.F. Widigan, Interim Chief Financial Officer

Kate Fields, Council President

RESOLUTION STAFF REVIEW

Date: September 14, 2021

Agenda Item Title:

RESOLUTION TO CITY COUNCIL TO AUTHORIZE AMENDMENT TO THE HEALTHY START GRANT

Prepared by:

Qiana Towns Williams, Manager of Public Health

Qiana Towns Williams
Qiana Towns Williams (Sep 15, 2021 14:26 EDT)

Background/Summary of Proposed Action:

The purpose of this resolution is to award a contract to the Genesee County Health Department for program implementation of the Genesee Healthy Start Grant.

Included in this process:

- Continue the implementation of Genesee Healthy Start Grant in collaboration with the City of Flint's Office of Public Health.
- Assist with integration of Genesee Healthy Start Grant's health-based implementation programs by promoting collective impact with cohort families to advance the project's goals and objectives.
- Continue coordination of the Parent Advisory Board.
- Oversee data collection and reporting from the collective of community-implemented programs and services.

Excluded from this process:

- No known exclusions.

Financial Implications:

A grant was received in the amount of \$454,795.00 for one year for Genesee Healthy Start program.

Budgeted Expenditure: Yes ___ No X **Please explain, if no: Funds were approved by GCHD after the budget was adopted.**

Pre-encumbered: Yes ___ No x

Requisition #: _____

Other Implications: No other implications are known at this time.

Staff Recommendation: Staff recommends approval of this resolution.

APPROVAL Martita Moffett-Page
Martita Moffett-Page (Sep 15, 2021 16:00 EDT)

Account Number	Grant Code	Category	Amount
296-171.510-702.000	FUSDHHS-18	WAGES - FULL TIME (NON-EXEMPT)	\$ 220,000.00
296-171.510-703.000	FUSDHHS-18	SALARIED EMPLOYEE (EXEMPT)	\$ 7,000.00
296-171.510-705.300	FUSDHHS-18	ACCRUED ABSENCES	\$ 2,500.00

296-171.510-708.000	FUSDHHS-18	UNEMPLOYMENT COMPENSATION (SUTA)	\$ 2,500.00
296-171.510-709.000	FUSDHHS-18	FICA (SOCIAL SECURITY)	\$ 10,000.00
296-171.510-711.000	FUSDHHS-18	MEDICARE	\$ 2,700.00
296-171.510-716.100	FUSDHHS-18	MERS HYBRID DEFINED CONTRIBUTION PENSION	\$ 16,100.00
296-171.510-717.100	FUSDHHS-18	MERS HYBRID DEFINED BENEFIT PENSION	\$ 27,700.00
296-171.510-718.000	FUSDHHS-18	HEALTH INSURANCE PREMIUMS	\$ 10,500.00
296-171.510-725.000	FUSDHHS-18	EMPLOYER HEALTH CARE SAVINGS PLAN (HCSP)	\$ 19,100.00
296-171.510-732.000	FUSDHHS-18	LIFE INSURANCE	\$ 1,250.00
296-171.510-733.000	FUSDHHS-18	OPTICAL INSURANCE	\$ 850.00
296-171.510-734.000	FUSDHHS-18	DENTAL INSURANCE	\$ 1,250.00
296-171.510.735.000	FUSDHHS-18	WORKERS COMPENSATION	\$ 12,000.00
296-171.510-752.000	FUSDHHS-18	SUPPLIES	\$ 5,000.00
296-171.510-801.000	FUSDHHS-18	PROFESSIONAL SERVICES	\$ 54,500.00
296-171.510-861.000	FUSDHHS-18	TRANSPORTATION - MILEAGE REIMBURSEMENT	\$ 2,500.00
296-171.510-900.000	FUSDHHS-18	PRINTING & PUBLISHING	\$ 2,500.00
296-171.510-902.000	FUSDHHS-18	POSTAGE	\$ 500.00
296-171.510-958.000	FUSDHHS-18	EDUCATION, TRAINING, & CONFER	\$ 10,000.00
296-171.510-969.100	FUSDHHS-18	INDIRECT COST ALLOCATION	\$ 41,345.00
296-171.510-977.000	FUSDHHS-18	EQUIPMENT	\$ 5,000.00
TOTAL			\$ 454,795.00

RES-2021-582

TO THE HONORABLE CHAIRPERSON AND MEMBERS OF THE GENESEE COUNTY BOARD OF
COMMISSIONERS, GENESEE COUNTY, MICHIGAN

LADIES AND GENTLEMEN:

BE IT RESOLVED, by this Board of Commissioners of Genesee County, Michigan, that the request by the Interim Health Officer to authorize Amendment No. 3 to the Professional Services Contract between Genesee County, through its Health Department, and City of Flint, to continue to provide outreach and navigation services for the Healthy Start Lead Expansion Project, for the period commencing July 1, 2021, through June 30, 2022, in an amount not to exceed \$454,795.00, to be paid from account 2211-632.01-801.000, with no county appropriation required, is approved (a copy of the memorandum request dated July 14, 2021, being on file with the official records of July 14, 2021, meeting of the Human Services Committee of this Board), and the Chairperson of this Board is authorized to execute the contract on behalf of Genesee County.

AMENDMENT NO. 3
TO HEALTHY START LEAD EXPANSION
PROFESSIONAL SERVICES CONTRACT

This Amendment is effective July 1, 2021- June 30, 2022, and is between Genesee County, Michigan, a Michigan municipal corporation whose principal place of business is located at 1101 Beach Street, Flint, Michigan 48502 (the "County"), and the City of Flint, whose principal place of business is located at 1101 S. Saginaw St, Flint, MI 48502 (the "Contractor") (the Contractor and the County together, the "Parties").

WHEREAS, the Parties executed a Professional Services Contract effective April 1, 2018 and 2 previous Amendments effective July 1, 2019 and July 1, 2020 (together referred to as the "Agreement"), pursuant to which the Contractor would provide assistance identifying and providing health services to determined cohort children, and continued coordination of parent advisory group; and

WHEREAS, the Genesee County Board of Commissioners authorized the Healthy Start Lead Expansion Professional Services Contract and Amendments by Resolutions #18-189, 19-562, and 20-852; and

WHEREAS, the Parties now wish to further amend the Agreement to extend contract services through June 30, 2022.

NOW THEREFORE, the Parties agree as follows:

1. Total budget for additional year of \$454,795.00 (see Exhibit B, Budget, attached to this amendment).
2. The remaining terms of the amended Agreement remain unchanged and in full effect.
3. Execution of this Amendment is authorized by Resolution # _____ issued by the Genesee County Board of Commissioners.

CITY OF FLINT

By: _____
Sheldon Neeley
Mayor, City of Flint

Date: _____

COUNTY OF GENESEE

By:  _____
Mark Young, Chairperson Board
of County Commissioners

Date: 8/3/21

ALTERATIONS AND RENOVATIONS (Itemize by category)		
OTHER EXPENSES (Itemize by category) Education, Training and Conferences Travel & Mileage Reimbursement (Navigators Only)		10000
		2500
		12500
SUBTOTAL DIRECT COSTS FOR NEXT BUDGET PERIOD		\$ 413,450.00
CONSORTIUM/CONTRACTUAL COSTS	DIRECT COSTS	\$ 413,450.00
	FACILITIES AND ADMINISTRATION COSTS	\$ 41,345.00
TOTAL DIRECT COSTS FOR NEXT BUDGET PERIOD ----->		\$454,795

ORDINANCE NO. _____

An Ordinance to amend the Flint City Code of Ordinances by amending Chapter 9, General Offenses; Article I, In General.

IT IS HEREBY ORDAINED BY THE PEOPLE OF THE CITY OF FLINT:

Sec. 1. An Ordinance to amend the Flint City Code of Ordinances by amending Chapter 9, General Offenses; Article I, by amending 9-1 and the addition of Sections 9-1.1 thru 9-1.6 Animals and Fowl which shall read in its entirety as follows:

§ 9-1 CRUELTY TO ANIMALS PROHIBITED.

It shall be unlawful for any person to ~~drive or work~~ overwork, torture, torment, cruelly beat, maim, disfigure, or without just cause or excuse kill an animal, or for an owner, possessor, or person who assumes the custody or charge of an animal, to abandon it or cause the animal to be abandoned in any place without making provisions for the animal's adequate care by providing it with sufficient food, water, shelter and medical attention to maintain the animal in a state of good health.

§ 9-1.1 FOR THE PURPOSE OF THIS SECTION:

(A) "PHYSICAL CONDITION" SHALL INCLUDE ANY SPECIAL MEDICAL NEEDS OF A DOG OR ANIMAL DUE TO DISEASE, ILLNESS, AGE, BREED, KIND, OR TYPE ABOUT WHICH THE OWNER OR PERSON WITH CUSTODY OR CONTROL OF THE DOG OR ANIMAL SHOULD REASONABLY BE AWARE.

(B) "INCLEMENT WEATHER" SHALL MEAN WEATHER CONDITIONS THAT ARE LIKELY TO ADVERSELY AFFECT THE HEALTH OR SAFETY OF THE DOG OR ANIMAL, INCLUDING BUT NOT

LIMITED TO RAIN, SLEET, ICE SNOW, WIND, OR EXTREME HEAT AND COLD.

(C) "DOGS THAT ARE LEFT OUTDOORS" SHALL MEAN DOGS/ANIMALS THAT ARE OUTDOORS IN INCLEMENT WEATHER WITHOUT READY ACCESS TO, OR THE ABILITY TO ENTER, A HOUSE, AN APARTMENT BUILDING, OFFICE BUILDING, OR ANY OTHER PERMANENT STRUCTURE THAT COMPLIES WITH THE STANDARDS ENUMERATED IN PARAGRAPH (B) OF SUBDIVISION THREE OF THIS SECTION.

(D) "ANIMAL" INCLUDES EVERY LIVING CREATURE EXCEPT A HUMAN BEING. A PERSON WHO OVERDRIVES, OVERLOADS, TORTURES OR CRUELLY BEATS OR UNJUSTIFIABLY INJURES, MAIMS, MUTILATES OR KILLS ANY ANIMAL, OR DEPRIVES ANY ANIMAL OF NECESSARY SUSTENANCE, FOOD, OR DRINK, IS GUILTY OF A MISDEMEANOR, PUNISHABLE BY IMPRISONMENT FOR NOT MORE 93 DAYS, OR BY A FINE OF NOT MORE THAN FIVE-HUNDRED DOLLARS, OR BOTH.

§ 9-1.2 (A) ANY PERSON WHO OWNS OR HAS CUSTODY OR CONTROL OF A DOG, CAT, DOMESTIC PET/COMPANION THAT IS LEFT OUTDOORS SHALL PROVIDE IT WITH SHELTER APPROPRIATE TO ITS BREED, TYPE OR KIND, PHYSICAL CONDITION AND THE CLIMATE. ANY PERSON WHO KNOWINGLY VIOLATES THE PROVISIONS OF THIS SECTION SHALL BE GUILTY OF A VIOLATION PUNISHABLE BY A FINE NOT LESS THAN \$50.00, NOR MORE THAN \$100.00 FOR A FIRST OFFENSE, AND A FINE OF NOT LESS THAN \$100.00, NOR MORE THAN \$250.00, FOR A SECOND AND SUBSEQUENT OFFENSE. BEGINNING SEVENTY-TWO HOURS AFTER A CHARGE OF VIOLATING THIS SECTION, EACH DAY THAT A DEFENDANT FAILS

TO CORRECT THE DEFICIENCIES IN THE DOG/ANIMAL SHELTER FOR A DOG, PET, ANIMAL THAT HE OR SHE OWNS OR THAT IS IN HIS OR HER CUSTODY OR CONTROL AND THAT IS LEFT OUTDOORS, SO AS TO BRING IT INTO COMPLIANCE WITH THE PROVISIONS OF THIS SECTION SHALL CONSTITUTE A SEPARATE OFFENSE.

§ 9-1.3 MINIMUM STANDARD FOR DETERMINING WHETHER SHELTER IS APPROPRIATE TO A DOG'S/ANIMAL'S BREED. PHYSICAL CONDITION AND THE CLIMATE SHALL INCLUDE:

(A) FOR ALL DOGS/ANIMALS THAT ARE RESTRAINED IN ANY MANNER OUTDOORS, SHADE BY NATURAL OR ARTIFICIAL MEANS TO PROTECT THE DOG/ANIMAL FROM DIRECT SUNLIGHT AT ALL TIMES WHEN EXPOSURE TO SUNLIGHT IS LIKELY TO THREATEN THE HEALTH OF THE DOG/PET/ANIMAL.

(B) FOR ALL DOGS/PETS/COMPANION ANIMALS THAT ARE LEFT OUTDOORS IN INCLEMENT WEATHER, A HOUSING FACILITY, WHICH MUST: (1) HAVE A WATERPROOF ROOF; (2) BE STRUCTURALLY SOUND WITH INSULATION APPROPRIATE TO LOCAL CLIMATIC CONDITIONS AND SUFFICIENT TO PROTECT THE DOG/ANIMAL FROM INCLEMENT WEATHER; (3) BE CONSTRUCTED TO ALLOW EACH DOG/ANIMAL ADEQUATE FREEDOM OF MOVEMENT TO MAKE NORMAL POSTURAL ADJUSTMENTS, INCLUDING THE ABILITY TO STAND UP, TURN AROUND, AND LIE DOWN WITH LIMBS OUTSTRETCHED; AND (4) ALLOW FOR EFFECTIVE REMOVAL OF EXCRETIONS, OTHER WASTE MATERIALS, DIRT AND TRASH. THE HOUSING FACILITY AND THE AREA IMMEDIATELY SURROUNDING IT

SHALL BE REGULARLY CLEANED TO MAINTAIN A HEALTHY AND SANITARY ENVIRONMENT AND TO MINIMIZE HEALTH HAZARDS.

§ 9-1.4 INADEQUATE SHELTER MAY BE INDICATED BY THE APPEARANCE OF THE HOUSING FACILITY ITSELF, INCLUDING BUT NOT LIMITED TO SIZE, STRUCTURAL SOUNDNESS, EVIDENCE OF CROWDING WITHIN THE HOUSING FACILITY, OR BY THE APPEARANCE OR PHYSICAL CONDITION OF THE DOG OR ANIMAL. FURTHERMORE, NO ANIMAL SHALL BE LEFT OUTSIDE LONGER THAN 15 MINUTES WHEN WEATHER TEMPERATURES ARE/REACH ZERO OR SUB-ZERO DEGREES.

§ 9-1.5 UPON A FINDING OF ANY VIOLATION OF THIS SECTION, ANY DOG(S)/ANIMAL(S) SEIZED PURSUANT TO THE PROVISIONS OF THIS ARTICLE THAT HAVE NOT BEEN VOLUNTARILY SURRENDERED BY THE OWNER OR CUSTODIAN OR FORFEITED PURSUANT TO COURT ORDER SHALL BE RETURNED TO THE OWNER OR CUSTODIAN ONLY UPON PROOF THAT APPROPRIATE SHELTER AS REQUIRED BY THIS SECTION IS BEING PROVIDED.

§ 9-1.6 NOTHING IN THIS SECTION SHALL BE CONSTRUED TO AFFECT ANY PROTECTIONS AFFORDED TO DOGS OR OTHER ANIMALS UNDER ANY OTHER PROVISIONS OF THIS ARTICLE.

(A) ANY PERSON WHO VIOLATES THIS CHAPTER IS GUILTY OF A MISDEMEANOR, PUNISHABLE BY A FINE OF NOT MORE THAN \$500 AND/OR IMPRISONMENT UP TO 90 DAYS AND MUST COMPLETE 40 HOURS OF COURT ORDERED COMMUNITY SERVICE RELATED, AFFILIATED OR CONNECTED TO THE HUMANE AND

**PROPER CARE, GROOMING, RAISING
AND/OR TREATMENT TO ANIMALS.**

**Sec. 2. This Ordinance shall become
effective this _____ day of _____,
2021, A.D.**

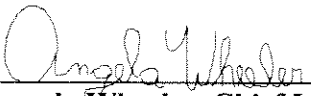
**Adopted this _____ day of
_____, 2021, A.D.**

FOR THE CITY:

Sheldon A. Neeley, Mayor

Inez M. Brown, City Clerk

APPROVED AS TO FORM:



Angela Wheeler, Chief Legal Officer

ORDINANCE NO. _____

An Ordinance to amend the Flint City Code of Ordinances by amending Chapter 18, Taxation; Funds; Purchasing; Article IV, Purchases.

IT IS HEREBY ORDAINED BY THE PEOPLE OF THE CITY OF FLINT:

Sec. 1. An Ordinance to amend the Flint City Code of Ordinances by amending Chapter 18, Taxation; Funds; Purchasing; Article IV, by the addition of Section 18-21.14 Sale of City Personal Property which shall read in its entirety as follows:

§ 18-21.14 SALE OF CITY PERSONAL PROPERTY.

- (A) The City may dispose by sale at public auction of certain personal property belonging to the City. The procedure for selling personal property of the City at auction shall be set forth in this section.
- (B) The Purchasing Director is responsible for the sale, lease, and transfer of all City personal property.
- (C) When it has been determined by any determined by any Department Head of a department of the City that said department has personal property owned by the City which may in the best interest of the City be disposed of, said Department Head must submit to the Purchasing Director a report of such property which shall be sufficiently detailed listing the items and the estimated fair market value of each item. If the Purchasing Director concurs with the Department Head's recommendation, the Purchasing Director shall find the personal property **EITHER (1) eligible for sale by auction OR (2) IMPRACTICAL TO SELL BY AUCTION BECAUSE OF LOW OR OTHERWISE NOMINAL FAIR MARKET VALUE, LIMITED OR RESTRICTED MARKET, LEGAL RESTRICTIONS, OR ANY**

OTHER REASONABLE BASIS IDENTIFIED BY THE PURCHASING DIRECTOR.

- (D) **IF THE PERSONAL PROPERTY IS ELIGIBLE FOR SALE BY AUCTION**, the Purchasing Director shall appoint or designate a qualified auction company to competitively bid, sale, lease, and transfer personal property owned by the City and maintain records of all sales.
- (E) The sales under this section shall be conducted in accordance with the uniform commercial code and any other applicable law of the State of Michigan.
- (F) Nothing contained herein is intended to contradict other means of selling personal property owned by the City **AS MAY BE OTHERWISE PERMITTED BY LAW.**
- (F) **IF IT IS IMPRACTICAL TO SELL THE PERSONAL PROPERTY BY AUCTION, THE PURCHASING DIRECTOR SHALL AUTHORIZE THE DEPARTMENT HEAD TO SELL, TRANSFER, OR OTHERWISE DISPOSE OF THE PERSONAL PROPERTY IN A MANNER REASONABLY CALCULATED TO MINIMIZE THE COST TO THE CITY.**

Sec. 2. This Ordinance shall become effective this _____ day of _____, 2021, A.D.

Adopted this _____ day of _____, 2021, A.D.

FOR THE CITY:

Sheldon A. Neeley, Mayor

Inez M. Brown, City Clerk

APPROVED AS TO FORM:

Angela Wheeler, Chief Legal Officer

210423

ORDINANCE NO. _____

An Ordinance to amend the Flint City Code of Ordinances by amending Chapter 46, Utilities; Article III, Rates and Charges; Division 1, Water.

IT IS HEREBY ORDAINED BY THE PEOPLE OF THE CITY OF FLINT:

Sec. 1. An Ordinance to amend the Flint City Code of Ordinances by amending Chapter 46, Utilities; Article II Water Supply and Sewage Disposal System; Division 1, Generally; by the amending Section 46-17, Disputed Water Supply And Sewage Disposal Billing; Inspection; Consumer Hearing; Adjustment of Bill, which shall read in its entirety as follows:

§46-17.1 WATER PAYMENT ASSISTANCE PROGRAM.

- (a) THE CITY SHALL CREATE A WATER PAYMENT ASSISTANCE PROGRAM FOR RESIDENTIAL WATER AND SEWER CUSTOMERS PURSUANT TO FLINT CITY CHARTER §8-203(B).
- (b) THE PROGRAM SHALL BE ADMINISTERED BY THE CITY TREASURER. AND ANY AMENDMENTS TO THE WATER PAYMENT ASSISTANCE PROGRAM MUST BE APPROVED BY CITY COUNCIL.
- (c) THE CITY TREASURER SHALL CREATE AN APPLICATION PROCESS AND ALL RESIDENTIAL WATER AND SEWER CUSTOMERS MUST BE

NOTIFIED OF THE WATER PAYMENT ASSISTANCE PROGRAM ANNUALLY. AT THE BEGINNING OF THE FISCAL YEAR THE CITY TREASURER SHALL NOTIFY CITY COUNCIL THE ANNUAL BUDGET FOR THE WATER PAYMENT ASSISTANCE PROGRAM.

(d) THE CITY SHALL SEEK FUNDING FOR THE WATER ASSISTANCE PROGRAM FROM THE CARES ACT, WATER RESIDENTIAL ASSISTANCE PROGRAM (WRAP), AND OTHER PUBLIC SERVICE PROJECTS.

(e) RESIDENTIAL WATER AND SEWER CUSTOMERS MUST MEET THE FOLLOWING QUALIFICATIONS ANNUALLY:

1. MUST LIVE IN THE CITY OF FLINT
2. MUST HAVE HOUSEHOLD INCOME
3. MUST LIVE IN THE PROPERTY ASSOCIATED WITH THE RESIDENTIAL WATER AND SEWER ACCOUNT
4. APPLICANT MUST BE RESPONSIBLE FOR THE RESIDENTIAL WATER AND SEWER ACCOUNT.
5. APPLICANT MUST BE AT OR BELOW 200% OF THE FEDERAL POVERTY LEVEL.

Sec. 2. This ordinance shall become effective immediately upon publication.

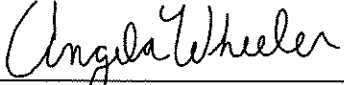
Adopted this _____ day of _____, 2021 A.D.

FOR THE CITY:

Sheldon A. Neeley, Mayor

Inez M. Brown, City Clerk

APPROVED AS TO FORM:



Angela Wheeler, Chief Legal Officer

S:\Parks\Ordinance Files\Water Payment Assistance
Ordinance\2021.08.27 Water Payment Assistance Ordinance
(Amendment to 46-17).docx

ORDINANCE NO.

An Ordinance to amend the Flint City Code of Ordinances by amending Chapter 46, Utilities; Article III, Rates and Charges; Division 1, Water.

IT IS HEREBY ORDAINED BY THE PEOPLE OF THE CITY OF FLINT:

Sec. 1. An Ordinance to amend the Flint City Code of Ordinances by amending Chapter 46, Utilities; Article II Water Supply and Sewage Disposal System; Division 1, Generally; by the amending Section 46-17, Disputed Water Supply And Sewage Disposal Billing; Inspection; Consumer Hearing; Adjustment of Bill and adding 46-17.1 disputed unpaid water bills left by tenants or water liens from previous owners; consumer hearing; adjustment of bill. which shall read in its entirety as follows:

§ 46-17. DISPUTED WATER SUPPLY AND SEWAGE DISPOSAL BILLING; INSPECTION; CONSUMER HEARING; ADJUSTMENT OF BILL.

(a) Any consumer may apply for and be granted a hearing as to any amount appearing on his or her water bill which he or she feels to be unusually large. Upon receipt by the City of a request for an adjustment, wherein it appears that an inspection of the plumbing system at the consumer's property is appropriate, the Department of Building and Safety Inspections or the Department of Water Supply may inspect the property prior to the City considering whether or not to grant an adjustment. If it appears from the inspection that the plumbing system is defective, in need of replacement or repair, the appropriate notices shall be given to the consumer and the property owner who shall

thereafter correct all deficiencies noted before any billing adjustment is made.

(b) The ~~City Administrator~~ **CHIEF LEGAL OFFICER** or such other person as the ~~City Administrator~~ **CHIEF LEGAL OFFICER** may designate shall act as referee at the time of the hearing and shall render a decision as to the validity of the billing of the disputed amount based on evidence presented by the consumer and the results of the investigation conducted by the Department of Water Supply or Building and Safety Inspections Division.

(c) The referee may approve an adjustment in the consumer's water bill providing it is shown to his or her satisfaction from investigation by the Department of Water Supply or Building and Safety Inspections Division that a leak occurred due to the non negligence of the consumer, in plumbing of the consumer which resulted in an unusually large bill without the knowledge of the consumer, and where the consumer took immediate steps to repair the plumbing defect causing this leak. The basis of this adjustment shall be 50% of the excess to be absorbed by the customer, 50% by the City. Consumers may also dispute unpaid water bills left by tenants or water liens left by previous owner.

§ 46-17.1 DISPUTED UNPAID WATER BILLS LEFT BY TENANTS OR WATER LIENS FROM PREVIOUS OWNERS; CONSUMER HEARING; ADJUSTMENT OF BILL.

(a) ANY CONSUMER MAY APPLY FOR AND BE GRANTED A HEARING TO DISPUTE AND ADDRESS UNPAID WATER BILLS LEFT BY TENANTS OR WATER LIENS FROM PREVIOUS OWNERS.

(b) UPON RECEIPT BY THE CITY OF A REQUEST TO PARTICIPATE IN THE

DISPUTE RESOLUTION PROCESS, A HEARING SHALL BE SCHEDULED.

S:\Parks\Ordinance Files\Water Lein Ordinance
Revision\2021.08.27 46.17 Water lein ordinance.docx

(C) THE CHIEF LEGAL OFFICER OR SUCH OTHER PERSON AS THE CHIEF LEGAL OFFICER MAY DESIGNATE SHALL ACT AS REFEREE AT THE TIME OF THE HEARING AND SHALL RENDER A DECISION AS TO THE VALIDITY OF THE BILLING OF THE DISPUTED AMOUNT BASED ON EVIDENCE PRESENTED BY THE CONSUMER AND THE RESULTS OF THE INVESTIGATION CONDUCTED BY THE DEPARTMENT OF WATER SUPPLY OR BUILDING AND SAFETY INSPECTIONS DIVISION.

(c) THE REFEREE MAY APPROVE AN ADJUSTMENT IN THE CONSUMER'S WATER BILL PROVIDING IT IS SHOWN TO HIS OR HER SATISFACTION FROM INVESTIGATION BY THE DEPARTMENT OF WATER SUPPLY OR BUILDING AND SAFETY INSPECTIONS DIVISION IN A FULL AND FINAL SETTLEMENT.

Sec. 2. This ordinance shall become effective immediately upon publication.

Adopted this _____ day of _____, 2021 A.D.

FOR THE CITY:

Sheldon A. Neeley, Mayor

Inez M. Brown, City Clerk

APPROVED AS TO FORM:



Angela Wheeler, Chief Legal Officer

210426

ORDINANCE NO. _____

An ordinance to amend the Code of the City of Flint by amending Chapter 18, Taxation; Funds; Purchasing; Article I, In General; Section 18-4.1, Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons.

IT IS HEREBY ORDAINED BY PEOPLE OF THE CITY OF FLINT:

Sec. 1. That the provisions of Chapter 18, Taxation; Funds; Purchasing; Article I, In General; Section 18-4.1, Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons, shall be amended by adding subsection (FF), which shall read in its entirety as follows:

(FF) THE CITY ACKNOWLEDGES THAT CLARK COMMONS IIIB LDHA, LLC (THE "OWNER") HAS OFFERED, SUBJECT TO RECEIPT OF AN AUTHORITY-AIDED OR FEDERALLY-AIDED MORTGAGE LOAN AND/OR ALLOCATION OF LOW INCOME HOUSING TAX CREDITS FROM THE MICHIGAN STATE HOUSING AND DEVELOPMENT AUTHORITY ("MSHDA"), TO OWN AND OPERATE A HOUSING PROJECT IDENTIFIED AS "THE GRAND" (THE "PROJECT") ON CERTAIN PROPERTY LOCATED IN THE CITY TO SERVE PERSONS AND FAMILIES OF LOW INCOME, AND THAT THE SPONSOR HAS OFFERED TO PAY THE CITY ON ACCOUNT OF THIS HOUSING DEVELOPMENT AN ANNUAL SERVICE CHARGE FOR PUBLIC SERVICES IN LIEU OF AD VALOREM TAXES.

THE CITY ACKNOWLEDGES THAT THE SPONSOR SHALL BE AFFORDED TAX BENEFITS OF PAYING A SERVICE CHARGE IN LIEU OF AD VALOREM TAXES (BUT NOT IN LIEU OF PAYMENT OF SPECIAL

ASSESSMENTS INCLUDING, BUT NOT LIMITED TO, THE STREET LIGHTING SPECIAL ASSESSMENT). THE CITY FURTHER ACKNOWLEDGES THAT THE SPONSOR FITS WITHIN THE CLASS AS DESCRIBED IN §18-4.3 BELOW. THE ANNUAL SERVICE CHARGE FOR THE CLASS OF PERSONS OF LOW AND MODERATE INCOME SHALL BE EQUAL TO FOUR PERCENT (4%) OF THE ANNUAL SHELTER RENTS, EXCLUSIVE OF CHARGES FOR GAS, ELECTRICITY, HEAT, OR OTHER UTILITIES FURNISHED TO THE OCCUPANTS, INCLUDING THE PORTION OF RENT PAYABLE UNDER ANY GOVERNMENTAL SUBSIDY. NOTWITHSTANDING THE FOREGOING, THE ANNUAL SERVICE CHARGE SHALL NOT EXCEED AD VALOREM PROPERTY TAXES THAT WOULD BE ASSESSED OR PAID ABSENT THIS TAX EXEMPTION.

Sec. 2. This ordinance shall become effective immediately upon publication.

Adopted this _____ day of _____,

2021 A.D.

Sheldon A. Neeley, Mayor

APPROVED AS TO FORM:

Angela Wheeler, Chief Legal Officer

ORDINANCE REVIEW FORM

FROM: Planning and Development
Department

NO. 21-
Law Office Login #

ORDINANCE NAME: (FF) PILOT ORDINANCE RESOLUTION TO GRANT A FOUR (4%) PAYMENT IN LIEU OF TAXES (PILOT) TO PROJECT KNOWN AS CLARK COMMONS 3B, WHICH IS A MIXED INCOME DEVELOPMENT OF 52 RESIDENTIAL UNITS.

1. ORDINANCE REVIEW - DEPARTMENT DIRECTOR

The attached ORDINANCE is approved by the Director of the affected Department. By signing, the Director approves this ordinance to be processed for signatures and fully executed.

By: Director Suzanne Wilcox
Suzanne Wilcox (Aug 24, 2021 09:21 EDT)
Suzanne Wilcox, Director, P&D DATE: August 24, 2021

2. ORDINANCE REVIEW-FINANCE DEPARTMENT

The attached ORDINANCE is submitted to the Finance Department for approval. By signing, the Finance Department approves this ordinance to be processed for signatures and fully executed.

By: Robert J. F. Widigan
Rob Widigan, Chief Financial Officer DATE: August 24, 2021

3. ORDINANCE REVIEW - LAW DEPARTMENT

The attached ORDINANCE is submitted to the Legal Department for approval. By signing, the Legal Department approves this ordinance to be processed for signatures and fully executed.

By: Angela Wheeler
Angela Wheeler (Aug 24, 2021 14:19 EDT)
Angela Wheeler, Chief Legal Officer DATE: 8/24/2021

CLARK COMMONS-NORSTAR ANALYSIS Phase IIIB

1) Current taxable value:	\$0
2) PILOT estimation	\$26,275.20

Based on the Schedule of Rents provided By Norstar, at 100% occupancy, given its rental rates for households at 60% of AMI or lower, the total annual rent potential for Phase IIIB is \$656,880.

3) Estimated project ad valorem taxable value:					
Market Rent	One Bedroom	Two Bedroom	Three Bedroom	Four Bedroom	
	\$764	\$1,000	\$1,500	\$1,500	
Number of Units	0	37	15	0	
	\$0	\$37,000	\$22,500	\$0	
					\$2
					\$59,500
					\$714,000
					per month
					per year
Monthly Rental Income	\$59,500				
Yearly Rental Income	\$714,000				
Vacancy/Loss (8%)	(\$57,120)				
Potential Gross Income	\$656,880				
Expenses(45%)	\$295,596				
Net Operating Income	\$952,476				
Cap Rate of 13%	\$7,326,738				
SEV/TV	3,663,369				
Potential Taxes AD Valorm	\$249,782				
PILOT Taxes @ 4%	\$26,275				

**PAYMENT IN LIEU OF TAXES
(PILOT)
APPLICATION**



CITY OF FLINT

1101 S SAGINAW ST.
FLINT, MI 48502
TEL: 810-766-7436

PURPOSE

To administer the City of Flint Code of Ordinances 18-4.1 to 18-4.8, establishing a class of housing developments pursuant to the State Housing Development Authority Act of 1966, known as Act 436 of the Acts of 1966, being MCLA §§ 125.1401 et seq. , as amended, which are exempt from property taxes, paying instead a service charge to be paid in lieu of taxes (PILOT) by any or all classes of housing exempt from taxation under this Act at any amount it chooses, but not to exceed the taxes that would be paid for if not for this Act.

The City acknowledges that serving persons of low income is a public necessity, and as such the City of Flint will be benefited and improved by such housing, the encouragement of the same by providing certain real estate tax exemption for such housing is a valid public purpose. The applicant for a PILOT is affirming that the economic feasibility of this housing development is reliant on this requested tax exemption.

Furthermore, in considering this application for PILOT, the evaluators of such request shall consider that the community shall be developed in a manner consistent with the adopted Master Plan and Consolidated Action Plan. Evaluation of the application should take into consideration maintaining the overall goals and objectives set forth in these plans.

ELIGIBILITY

- 1) Applicant must be a nonprofit housing corporation, consumer housing cooperative, limited dividend housing corporation, mobile home park cooperative or mobile home park association, and must be financed with a federally-aided or Michigan State Housing Development Authority (MSHDA) aided mortgage or advance or grant from MSHDA.
- 2) PILOT has been requested during the planning stage of the project; any development project under construction at the time of application is not eligible to apply for, or to receive, a PILOT.
- 3) The applicant must own the property or have an option or other right to purchase the property under consideration and provide in application.
- 4) Housing development must contain a minimum of 51% affordable units.
- 5) Project includes a Low Income Housing Tax Credit (LIHTC) allocation.
- 6) The property is not designated as a Brownfield or S/50 property.
- 7) All parcels that are separate have been combined through proper City channels.

PROCESS

1) Mandatory Pre-Application Conference: This will be a meeting of all applicable City Departments to include:

- City Administrator
- City Planner
- City Engineer
- City Treasurer
- City Assessor
- Chief Building Official
- Community and Economic Development Staff
- Representatives of applicant development team

This meeting will serve to familiarize all parties with the scope of the project and any issues that may exist. The applicant will also be familiarized with the PILOT process and policies.

2) Submission of Application: Application form must be complete and packet of required supporting documentation assembled based upon requirements set forth in the application. Any additional concerns or items that were discussed in the Pre-Application Conference should also be addressed. Application forms are available on both the City of Flint website and in the Department of Community and Economic Development.

One original and one electronic copy shall be submitted no later than seven (7) weeks before the Regular City Council meeting, which are typically held on the 2nd and 4th Mondays of each month.

3) Internal (Administrative) Review: An internal review will occur, resulting in either Administrative approval within three (3) weeks or return to the applicant for corrections.

Applications will be scored on a scoring matrix as attached in this application.

Administrative approval will move the application forward to an ordinance amendment that will be placed on the Government Operation Committee meeting agenda.

4) Council Committee Review: Meetings are held the Wednesday prior to the Regular City Council meeting. The developer is required to be in attendance at this meeting to answer any questions the committee may have.

5) Review by City Council: Once committee approval is obtained, the ordinance amendment will proceed to the following Regular City Council Meeting (the Monday following committee). The developer is required to be in attendance at this meeting.

6) Approval: If the PILOT application is approved by resolution of the City Council, a certified copy of the resolution and a copy of the minutes will be provided to the applicant. Additionally, digital copies will be provided to all applicable City Departments.

****Note: All applicants are required to file their MISDA affidavit with the City Assessor by November 1 of the year before the PILOT is to take effect.***

APPLICATION REQUIREMENTS

1) Completed Application Form

2) Narrative:

a. Background information:

- i. Development experience of team
- ii. Describe the corporate partnership structure

b. Describe the proposed Project (include the following sections):

- i. Intended usage/target market
- ii. Economic impact
- iii. Environmental impact (to include any mitigation actions taken)
- iv. Impact on City infrastructure (transportation and utilities)
- v. Impact on City services (police, fire, EMS, code enforcement)
- vi. Square footage of the building and land to be renovated
- vii. Architectural renderings to include the number and type of units
- viii. Any other information to fully explain the project

c. Describe the marketing of the project, clearly identifying the intended market. If the project is speculative, how long is full occupancy expected to take and who will be the property manager?

d. Briefly describe the ownership and tax information for this project:

- i. State the location of the proposed project to include street address, parcel ID, and the legal description.
- ii. Name of the property owner at the time of application.
- iii. If the applicant is not the current owner of record, attach a valid option to purchase.
- iv. Describe any and all financing, options, and liens on the property
- v. State the current assessed value of the property.
- vi. Are any assessments currently under appeal? If yes, describe.

e. Provide a detailed development pro forma outlining proposed hard, soft and financing costs associated with the development. Pro forma must also identify all sources of financing and terms, including Applicant equity, construction, and permanent financing, as well as any government assistance. Proposals must contain detailed cost breakdowns.

f. Provide a detailed operating pro forma. This must include all anticipated major revenues and expenses for the full term of the requested PILOT.

g. Provide a detailed schedule of rents and income limits of lessees

- h. Provide housing market data to show demand.
- i. State a proposed timeline for the Project to include:
 - i. Closing of the loan or contributing financing
 - ii. First expenditure of funds with regards to the project
 - iii. Anticipated date construction will begin
 - iv. Anticipated date of completion
- j. Describe any potential conflicts of interest the applicant or any guarantor may have with any City Personnel or City Council members.
- k. To receive application bonus points, address the following:
 - i. Mixed use (PILOT ONLY applies to housing- not commercial SF)
 - ii. Energy efficiency and green practices
 - iii. Neighborhood and block club outreach (Full list of outreach done)
 - iv. External amenities (walk score, proximity to transit, jobs, etc)
- l. Include a copy of the completed MSHDA application for Low Income Housing Tax Credits (LIHTC) within thirty (30) days of submittal to MSHDA.

**(APPLICATION FORM ON NEXT PAGE- ATTACH APPLICATION FORM TO
THE REQUIRED NARRATIVES AND SUPPORTING DOCUMENTS)**



PAYMENT IN LIEU OF TAXES (PILOT) APPLICATION
CITY OF FLINT

APPLICANT INFORMATION

ENTITY NAME	Clark Commons IIIB LDHA LLC
REPRESENTATIVES NAME	Lori Harris
ADDRESS	200 S. Division Street Buffalo, New York 14204
TELEPHONE NUMBER	518-431-1051
E-MAIL ADDRESS	lharris@norstarus.com

GUARANTORS INFORMATION

ENTITY NAME	Norstar Development USA, L.P.
ENTITY PRINCIPAL	Richard Higgins, President
ADDRESS	733 Broadway Albany, New York 12207
TELEPHONE NUMBER	518-431-1051
E-MAIL ADDRESS	rhiggins@norstarus.com

ENTITY NAME	
ENTITY PRINCIPAL	
ADDRESS	
TELEPHONE NUMBER	
E-MAIL ADDRESS	

PROJECT INFORMATION

PROJECT NAME	Clark Commons 3B
ADDRESS OF PROJECT	Scattered sites bounded by Saginaw St., Mary St., MLK Blvd and Williams St
PARCEL ID	See attached list—31 parcels
LEGAL DESCRIPTION	

DEVELOPMENT TEAM

APPLICANT PRIMARY POINT OF CONTACT	Lori Harris, Vice President, Norstar Development USA, L.P.
ARCHITECTURAL FIRM	Fusco, Shaffer & Pappas, Inc.
CONSTRUCTION PROJECT MANAGER	Robert Nickoloff, Vice President, Norstar Building Corporation
GENERAL CONTRACTOR FOR PROJECT	Norstar Building Corporation

Applicant is to attach items a-l as required in the narrative portion of the application.

- a. Background information
- b. Project description
- c. Project marketing/target market
- d. Ownership description/tax information
- e. Detailed development pro forma
- f. Operating pro forma
- g. Schedule of rents/income levels
- h. Housing market data supporting demand
- i. Proposed project timeline
- j. Conflicts of interest
- k. Application bonus point items
- l. MSHDA application for LIHTC credits

Clark Commons 3B - FLINT, MICHIGAN
PILOT APPLICATION—Project Narrative

a. Background Information

- i. Development Experience of Team: The development includes Norstar Development USA, L.P. (developer), Norstar Building Corporation (general contractor) and Fusco, Shaffer & Pappas, Inc. (architect). Norstar has developed more than 7,000 units in New York, Florida, Alabama, Texas, and Michigan, including nearly 900 in Michigan, and Norstar Building Corporation has building experience in Detroit and Ann Arbor, as well as in New York and Texas. The development team features extremely strong professional collaboration amongst its team members. Norstar Development shares principals with the General Contractor, Norstar Building Corporation, and this provides seamless execution of the development concept through construction. The developer, Norstar Development USA, L.P. and the architect, Fusco, Shaffer & Pappas, Inc. have worked together previously on the Gardenvue portfolio located in Detroit, MI. This has resulted in the successful completion of seven phases, resulting in a total of 638 units.
- ii. Corporate Partnership Structure: The ownership entity will be Clark Commons IIIB Limited Dividend Housing Association Limited Liability Company. The entity will be controlled by a Norstar-affiliate, with an investor partner in the partnership as well.

b. Project Description

- i. Intended Usage/Target Market: The proposed Clark Commons 3B project will result in a mixed income project of 52 residential units, 41 of which will receive Section 8 Project-Based Vouchers ("PBV") subsidies from HUD through a RAD conversion, eleven (11) will be market, unassisted units.
- ii. Economic Impact: Creating infill development in the Smith Village area builds upon existing City investment in the area and utilizes 31 vacant publicly-owned parcels. The project construction will also provide employment opportunities for local subcontractors.
- iii. Environmental Impact (including mitigation actions): A Part 50 review is required as a result of the HUD Choice Neighborhoods Funds, and this review will also cover HOME funds. Further, Norstar's environmental consultant is in contact with EGLE regarding a mitigation plan for environmental conditions recognized in the project's Environmental Site Assessments.
- iv. Impact on City infrastructure (transportation and utilities): Since the project is infill, existing infrastructure can be utilized. This infrastructure is some of the newer in the city, as it is from the relatively recent Smith Village development. The 52 units should not have a negative impact on City utility infrastructure. The project's units are near public bus transportation, served by two routes, and the 52 units should not place excess strain on the bus system.
- v. Impact on City services (police, fire, EMS, code enforcement): The project should not have a negative impact on City services. No impact is assumed for police, fire and EMS services. The project is utilizing 31 currently vacant parcels from the City of Flint, the Genesee County Land Bank and State Land Bank Authority. This takes the burden of maintenance from these entities, and it can be hypothesized that improving these parcels will exert pressure on other nearby landowners to maintain their properties.
- vi. Square Footage of the building and land to be renovated: The project is nine (9) new construction residential buildings. Total unit square footage will be 60,612 sf.
- vii. Architectural renderings to include the number and type of units: Attached. The proposed project includes one-floor ranch units without garages (2-, 3-BR units), two-story townhome units (2, 3-BR units) without garages, and an apartment building with 2-BR ranch units and townhome units and one 3-BR ranch unit. The project will include two and three-bedroom

units. The project includes a tot lot that is located on the corner of Wood St and Avenue B, next to and across the street from a Clark Commons Phase 2 building for maximum visibility. In the overall project, there are thirty-seven (37) 2-bedroom units and fifteen (15) 3-bedroom units. The project will include 41 RAD units. The Clark Commons 3B project includes eight (8) townhome and one (1) apartment-style residential buildings in the approximate 8-block area.

viii. Any other information to fully explain project: This project is the fourth housing phase of the City of Flint/Flint Housing Commission's recent Choice Neighborhoods Implementation Grant plan and is a subset of the previously approved Clark Commons Phase III project. The project was split in two to increase financial feasibility. This phase includes 41 units reserved for existing Atherton East residents.

c.	Project	Marketing/Target	Market
	The intended market of the project includes those FHC residents moving from Atherton East, and market-rate tenants. The property manager is Premier Property Management, an experienced and knowledgeable manager that Norstar has a long-standing relationship with beginning in Detroit. Marketing for the project will abide by an Affirmative Fair Housing Marketing Plan, approved by MSHDA. Leasing will start when the first units are completed, likely spring 2023, and full occupancy is expected by the end of 2023.		

d. Ownership Description/Tax Information

i. Location--The project is scattered-site, bounded by Root St., Mary St., MLK Blvd., and Williams St. The parcel IDs are:

CITY-OWNED

1. 1523 Avenue A (40-12-230-033)
2. N Saginaw St (40-12-236-009)

LAND-BANK OWNED

3. E Wood St (40-12-236-002)
4. Chippewa St (40-12-236-003)
5. Chippewa St (40-12-236-004)
6. 1425 Saginaw St (40-12-236-005)
7. Mary St (40-12-206-004)
8. 316 Crosby St (40-12-206-005)
9. Mary St (40-12-206-006)
10. Mary St (40-12-206-007)
11. Mary St (40-12-206-008)
12. Mary St (40-12-206-009)
13. 328 Mary St (40-12-206-010)
14. 332 Mary St (40-12-206-011)
15. Avenue B (40-12-230-011)
16. E Wood St (40-12-230-012)
17. E Wood St (40-12-230-013)
18. 318 Crosby St (40-12-207-005)
19. Crosby St (40-12-207-006)

20. 326 Crosby St (40-12-207-007)
21. 330 Crosby St (40-12-207-008)
22. Crosby St (40-12-207-009)
23. 336 Crosby St (40-12-207-010)
24. Mary St (40-12-230-015)
25. Mary St (40-12-230-016)
26. 1531 Avenue A (40-12-230-017)
27. Avenue A (40-12-230-018)
28. 1536 Avenue B (40-12-230-001)
29. Mary St (40-12-230-002)
30. 1530 Avenue B (40-12-230-029)

STATE LAND BANK AUTHORITY

31. Avenue B (40-12-230-028)

- ii. Property Owner at time of Application--The property owners include the City of Flint for 2 parcels, the Genesee County Land Bank for 28, and the State Land Bank Authority for 1.
- iii. Options to Purchase--Attached are the Options to Purchase for the City of Flint parcels, Genesee County Land Bank parcels, and State Land Bank Authority parcel.
- iv. Financing, Options, and Liens on Property--To our knowledge, no existing financing or liens on the project parcels; the only existing options are the ones Norstar holds with the Land Bank/City/MI Land Bank Fast Track Authority.
- v. Current Assessed Value--The options for the City and Land Bank are \$3,900 and \$12,045, respectively. The option for the MI Land Bank parcel is for \$1,500.
- vi. Assessments Under Appeal?--No assessments currently under appeal.

e. Detailed Development Pro Forma

Please see attached development pro forma.

f, g. Operating Pro Forma & Schedule of Rents/Income Levels

The project is requesting a 4% PILOT rate. Please see attached operating pro forma.

h. Housing Market Data Supporting Demand

The following excerpts from the market study completed for Clark Commons Phase 3B by Novogradac Research and Consulting in January 2021 show demand for the proposed project.

- "As a newly renovated property, the Subject will be at a competitive advantage to the existing multifamily inventory, which may have piping issues. Overall, the vacancy rates in the Flint market are elevated. Based on the comparable data, we believe that the Subject will be able to stabilize following renovation with a vacancy rate of 5.0 percent or less as proposed." P. 119
- "Post construction, the Subject will exhibit excellent condition. Its unit-amenity package will be similar to superior to the majority of comparable properties, while its community amenity package will be competitive. Overall, we believe the Subject can achieve the 30 and 60 percent AMI maximum allowable rents, in the event that the Subject were to lose its subsidy. Additionally, based on the tenant characteristics at the market rate comparables, we maintain that the Subject can achieve two and three-bedroom market rents above the sponsor's proposed rents." P. 119

i. Proposed Project Timeline

- i. Closing of the loan/contributing financing—Second Quarter 2022
- ii. First expenditure of funds with regards to the project—Immediately following closing
- iii. Anticipated date construction will begin—Immediately following closing
- iv. Anticipated date of completion—First units will be completed in spring 2023, with full completion in winter 2023.

j. Conflicts of Interest

No potential conflicts of interest exist between the applicant or guarantor and any City Personnel or City Council members.

k. Application Bonus Point Items

- i. Mixed Use—the tenants of the property will have use of Clark Commons Phase 2 community space that will be located on E Wood Street and Avenue A.
- ii. Energy Efficiency and Green Practices—the project will contain energy efficiency and green practices as MSHDA requires.
- iii. Neighborhood/Block Club Outreach—the neighborhood, including the residents that will relocate to the project, participated in extensive engagement during the Choice Neighborhoods planning process, including meeting with the Smith Village and University Park Estate Neighborhood Associations. Recently, Norstar joined the conversation and met with the Smith Village and University Park Estates Neighborhood Associations to hear and address their feedback regarding the planned development.
- iv. External Amenities—include close proximities to the bus stops (within 1/10 mile for most, up to ¼ mile for some); two large employment centers, both of which employ over 250 employees year-round, within ¼ mile of the site; a Federally Qualified Health Center and a hospital slightly over ¼ mile from the site.

i. MSHDA application for LIHTC Credits

An application for 9% LIHTC will be submitted to MSHDA in the October 1, 2021 funding round.

ARCHITECTURAL RENDERINGS

A.S.100B

PROJECT NO. 100B

DATE: 10/1/10

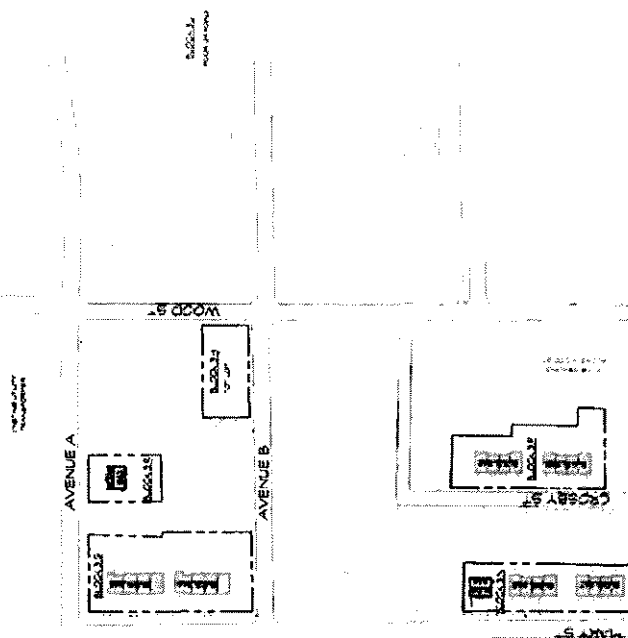
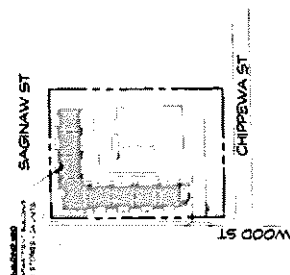
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DATE: 10/1/10

DATE: 10/1/10

CLARK COMMONS
PHASE 3B TOWNHOMES
FIRST

1000 U.S. HIGHWAY 100
ANN ARBOR, MI 48106
TEL: 734.769.1000
WWW.1000U.S.HIGHWAY100.COM



OVERALL SITE PLAN



**DEVELOPMENT PRO FORMA
AND
OPERATING PRO FORMA**

Clark Commons 3B - 52 Units										
4/1 RAD										
2.4.2021										
* 2020 MODIFIED RENTS assigned for 120										
30% AMI RAD	RAD/TC	RAD Rent	Total	Total Units	NSF	Rentable SF	Units Above 40% Jan 2021	80% (2020)	Full (2021)	Full (2022)
1BR/1BA(G)	0	655	0	0	0	764	121	720	609	655
1BR/1BA(GPH)	0	655	0	0	0	764	121	720	609	655
2BR/1.5BA (F2)	1	862	862	12	1,043	12,516	149	864	782	862
2BR/1BA (F1)	1	862	862	2	948	1,696	149	864	782	862
2BR/1BA (HPH/apr)	1	862	862	7	7,210	19,584	149	864	782	862
2BR/1.5BA (U/apr)	1	862	862	16	1,224	19,584	149	864	782	862
3BR/2.5BA (EPH)	0	1,115	0	0	0	1,286	174	997	1002	1,115
3BR/2BA (E)	0	1,115	0	0	0	1,286	174	997	1002	1,115
3BR/2BA (E1)	0	1,115	0	0	0	1,286	174	997	1002	1,115
3BR/2BA (KPH/apr)	0	1,115	0	0	0	1,286	174	997	1002	1,115
4BR/2.5BA (DPH)	0	1,179	0	0	0	1,450	200	1,113	1063	1,179
4BR/2.5BA (D)	0	1,179	0	0	0	1,450	200	1,113	1063	1,179
4BR/2.5BA (D)	6	1,179	0	52	1,680	0	200	1,113	1063	1,179
				TOTAL SF		60,598	UA includes gas heat, elec cook & water heater, laundry services etc.			
				Total		60,598	Market (60%)			
				Monthly Rent		599	Monthly Rent			
				Total		599	Total			
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				Monthly Rent		599	Monthly Rent			
				Total		599	Total			
				Monthly Rent		599	Monthly Rent			

Operating Budget:												
	Year 1 (2022)	2	3	4	5	6	7	8	9	10	11	12
1 Total Income	521,559	532,031	542,671	553,325	564,585	575,887	587,405	599,153	611,136	623,359	635,826	648,543
2 Management	45,000	46,350	47,741	49,173	50,648	52,167	53,732	55,344	57,005	58,715	60,476	62,281
3 Management Fee (8%)	31,296	32,235	33,224	34,198	35,224	36,281	37,369	38,480	39,645	40,834	42,059	43,321
4 Accounting	8,000	8,240	8,487	8,742	9,004	9,274	9,552	9,839	10,134	10,438	10,751	11,074
5 Legal	3,500	3,605	3,713	3,825	3,939	4,057	4,178	4,305	4,434	4,567	4,704	4,845
6 Advertising	4,500	4,635	4,774	4,917	5,065	5,217	5,373	5,534	5,700	5,871	6,048	6,229
7 Office Supplies/phones/comp	5,500	5,665	5,835	6,010	6,190	6,376	6,567	6,764	6,967	7,176	7,392	7,613
8 LHHC Monitoring Fee	0	0	0	0	0	0	0	0	0	0	0	0
9 TOTAL	87,798	100,720	103,752	106,854	110,070	113,372	116,773	120,277	123,885	127,502	131,430	135,372
10 Jail/ortol Grounds contract	8,500	8,755	9,018	9,288	9,567	9,854	10,149	10,454	10,768	11,091	11,423	11,766
11 Supplies	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720	6,921
12 Externalizing	3,500	3,605	3,713	3,825	3,939	4,057	4,179	4,305	4,434	4,567	4,704	4,845
13 Garbage	4,500	4,635	4,774	4,917	5,065	5,217	5,373	5,534	5,700	5,871	6,048	6,229
14 HVAC repairs	4,500	4,635	4,774	4,917	5,065	5,217	5,373	5,534	5,700	5,871	6,048	6,229
15 Ground Contract	7,500	7,725	7,957	8,195	8,441	8,685	8,935	9,224	9,501	9,786	10,079	10,382
16 Maintenance Payroll	20,000	20,800	21,218	21,855	22,510	23,185	23,881	24,597	25,335	26,095	26,878	27,685
17 Maint. Supplies	4,500	4,635	4,774	4,917	5,065	5,217	5,373	5,534	5,700	5,871	6,048	6,229
18 Maint. Contracts	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219	5,376	5,537
19 Elevator Contract	0	0	0	0	0	0	0	0	0	0	0	0
20 Grounds Supplies	4,500	4,635	4,774	4,917	5,065	5,217	5,373	5,534	5,700	5,871	6,048	6,229
21 Painting/Decorating	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219	5,376	5,537
22 snow removal	6,000	6,180	6,365	6,556	6,753	6,956	7,164	7,379	7,601	7,829	8,063	8,305
23 TOTAL	78,195	81,189	83,594	86,101	88,684	91,345	94,085	96,908	99,815	102,810	105,894	109,071
24 Fuel Oil	0	0	0	0	0	0	0	0	0	0	0	0
25 Electricity	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219	5,376	5,537
26 Water/Sewer	53,700	55,311	56,970	58,679	60,443	62,263	64,121	66,044	68,028	70,066	72,163	74,333
27 Gas	12,000	12,360	12,731	13,113	13,506	13,911	14,329	14,758	15,201	15,657	16,127	16,611
28 Other	0	0	0	0	0	0	0	0	0	0	0	0
29 TOTAL UTILITIES	69,700	71,791	73,945	76,153	78,448	80,801	83,225	85,722	88,294	90,943	93,671	96,481
30 Real Estate Taxes	19,212	19,788	20,382	20,993	21,623	22,272	22,940	23,628	24,337	25,067	25,819	26,594
31 Payroll Burden	23,000	23,690	24,401	25,133	25,887	26,663	27,463	28,287	29,136	30,010	30,910	31,837
32 Other Taxes	0	0	0	0	0	0	0	0	0	0	0	0
33 Property Ins.	35,000	36,090	37,132	38,245	39,393	40,575	41,792	43,046	44,337	45,667	47,037	48,448
34 Fidelity Bond	0	0	0	0	0	0	0	0	0	0	0	0
35 Community	0	0	0	0	0	0	0	0	0	0	0	0
36 TOTAL	77,212	79,528	81,914	84,372	86,903	89,510	92,195	94,961	97,810	100,744	103,766	106,879
37 Operating Res.	0	0	0	0	0	0	0	0	0	0	0	0
38 Replicas Res.	15,600	16,088	16,558	17,047	17,558	18,095	18,657	19,166	19,702	20,354	21,065	21,844
39 Total Expenses	336,808	348,912	357,319	368,039	379,080	390,453	402,166	414,231	426,658	439,458	452,642	466,221
40 Net Operating Income	184,791	183,119	185,352	185,486	185,515	185,435	185,239	184,922	184,478	183,901	183,184	182,322
HYF RESERVES	0	0	0	0	0	0	0	0	0	0	0	0
OOD Draw	0	0	0	0	0	0	0	0	0	0	0	0
Non-ACC Expenses	0	0	0	0	0	0	0	0	0	0	0	0
Total Draw from ODR	0	0	0	0	0	0	0	0	0	0	0	0
Available - DSC at 1.15	160,688	160,973	161,176	161,292	161,318	161,248	161,077	160,802	160,416	159,914	159,291	158,541
Add Exp	0	0	0	0	0	0	0	0	0	0	0	0
Investor Service Fee	0	0	0	0	0	0	0	0	0	0	0	0
Debt Service	154,066	154,066	154,066	154,066	154,066	154,066	154,066	154,066	154,066	154,066	154,066	154,066
Cash Flow	30,725	31,053	31,286	31,420	31,449	31,369	31,173	30,856	30,412	29,835	29,118	28,256
ASSUMPTIONS												
Annual cost increase of 3%												
Rent increase of 2%												
Operating Deficit Reserve	245,437											
Permanent Debt												
Debt Service Constant												
2,200,000 Interest Rate												
0.07003 Term												
5.75%												
30												
NOTES:												
(1) Cash Flow loans - payments, if any, to be determined												

Clark Commons 3B - 9% - 52 units

20 %Market Units; NO basis boost

11/19/2020

USE OF FUNDS	Total	Total Basis	Non-Basis
1 Land	17,445	0	17,445
2 Structures	0	0	0
2 TOTAL	17,445	0	17,445
4 Appraisal/Mkt. Study	6,500	6,500	0
5 Contingency	80,000	80,000	0
6 Survey/Energy/Etco/CVR	100,000	100,000	0
7 Soil Borings	30,000	30,000	0
8 Phase I/Environ.	450,000	450,000	0
9 Arch/Engineer	450,000	450,000	0
10 Construction Loan Fees (.85%)	84,918	84,918	0
11 Legal	200,000	120,000	80,000
12 Perm Loan Fees/costs (4%)	88,000	0	88,000
13 Cost Cert. Audit	30,000	30,000	0
14 Insurance	100,000	100,000	0
15 Taxes	1,500	1,500	0
16 Interim Interest	717,214	430,328	286,885
17 Closing Costs (BoA-\$55k, \$15k Perm)	72,960	43,778	29,184
18 Title & Recording	65,000	65,000	0
19 Other: Permits and Fees	131,757	131,757	0
20 Bank Inspector & Due Diligence	100,000	100,000	0
Other LHC Fee 8%, plus \$2,500 and \$475/Unit/\$75k	111,680	0	111,680
21 TOTAL SOFT	2,819,527	2,223,777	595,750
22 Site Work	2,494,222	2,494,222	0
23 Environmental - Soil	0	0	0
24 Demolition	0	0	0
25 Landscape Barrier - Enviro	0	0	0
26 Other	0	0	0
27 SUBTOTAL-SITE PREP	2,494,222	2,494,222	0
28 Residential	11,305,829	11,305,829	0
29 Environmental - vapor mitigation system	0	0	0
30 Site Security	100,708	100,708	0
31 General Requirements (6%)	828,003	828,003	0
33 Bond Premium	138,271	138,271	0
34 Other: Cost Cert	11,199	11,199	0
35 Other:	0	0	0
36 Subtotal Contractors Costs	14,878,232	14,878,232	0
Builder's Overhead (2%)	276,001	276,001	0
37 Builders Profit (max 6%)	828,003	828,003	0
38 TOTAL CONT. COSTS*	15,982,236	15,982,236	0
39 Const. Contingency (5%)	799,112	799,112	0
40 TOTAL DEV. COSTS	19,818,320	19,005,125	813,195
41 Developers Fee (12%)	1,125,000	1,125,000	0
FHC Dev. Fee (3%)	375,000	375,000	0
42 Initial Operating Deficit	75,000	0	75,000
43 Supp. Mgmt.&Mktg.Fee	0	0	0
44 Purch. of Maint. Equip.	50,000	0	50,000
45 Deleasance	0	0	0
46 TOTAL WORKING CAP.	125,000	0	125,000
PROJECT RESERVES	0	0	0
47 Operating Reserve	213,221	0	213,221
48 Replacement Reserve	5,000	5,000	0
48a ACC Subsidy Reserve	0	0	0
49 TOTAL RESERVES	218,221	5,000	213,221
ADMIN. COSTS	0	0	0
50 Relocation (costs moved to CNI part b)	0	0	0
Water bills	0	0	0
51 OTPS	0	0	0
52 TOTAL ADMIN COSTS	0	0	0
53 TOTAL PROJ. COSTS	21,461,541	20,510,125	951,416
54 Syndication Costs	0	0	0
55 Partnership Expenses	0	0	0
TOTAL	21,461,541	20,510,125	951,416
PERM. SOURCE OF FUNDS		CONSTRUCTION SOURCE OF FUNDS	
CNI	5,290,128	CNI	5,290,128
Taxable Perm Loan (5.75%, 30 yrs.)	2,200,000	FHC/MDEQ	0
City HOME	0	Construction Loan	13,064,000
FHC	0	City HOME	0
Fed Tax Credit Equity	13,971,413	Equity	0.120961284 1,690,000
EGLE BRU	0	TOTAL	28,044,128
Deferred Fee	0		
TOTAL	21,461,541		
* Total const cost per sf	\$263.98		
Tax credit basis	% TC 78.85% 120% Boost - no		\$20,510,125
Applicable %9 fed perm re	ELG. \$1,455,501 Value at		\$0,960
	9.00% REQ. \$1,455,501 Total		13,971,413
Hard Cost per door	355,161		

MARKET STUDY EXCERPTS



A MARKET FEASIBILITY STUDY OF: CLARK COMMONS 3B

Overall, we believe there may be competitive overlap with the single-family market in Flint and the Subject's market rate units. However, the Subject represents superior quality housing compared to the majority of homes in the neighborhood.

Impact on Existing Housing Stock

All the data combined with interviews of real estate professionals demonstrate a continuing need for affordable housing over the foreseeable term. The comparables surveyed include a total of 1,791 units at 15 properties. The affordable properties in the area reported an average occupancy rate of 97.6 percent and five of the LIHTC comparables reported maintaining waiting lists. We believe this data is evident of adequate demand in the market.

Our demand calculations illustrate a need for affordable housing in the area when we consider the Subject's proposed LIHTC rents. The existing and planned apartment developments will not hinder each other's ability to maintain full occupancy. It is our opinion that the construction of the Subject through the LIHTC program will have a positive impact on the Subject and the surrounding neighborhood, and will not adversely affect the existing housing located in the PMA.

Conclusion

The comparable properties reported vacancy rates ranging from zero to 95.2 percent with an overall weighted vacancy rate of 7.1 percent. However, two comparables are in lease-up. Excluding these properties, the LIHTC comparables reported an average vacancy rate of 2.2 percent, while the market rate comparables reported a vacancy rate of 3.9 percent. Overall, excluding properties in lease-up, the comparables reported vacancy rates of 3.2 percent.

It should be noted that per our conversations with market participants, many of the existing Flint apartment developments have pipelines for water supply that are not treated with anti-corrosive additives, which causes lead to leak into the water supply. Though the City is attempting to address this issue for existing properties, the solution for many current residents is to move to newer apartment complexes with newer piping that is treated with anti-corrosives.

As a newly constructed property, the Subject will be at a competitive advantage to the existing multifamily inventory, which may have piping issues. Overall, the vacancy rates in the Flint market are elevated. Based on the comparable data, we believe that the Subject will be able to stabilize following renovation with a vacancy rate of 5.0 percent or less as proposed.

Post construction, the Subject will exhibit excellent condition. Its unit-amenity package will be similar to superior to the majority of comparable properties, while its community amenity package will be competitive. Overall, we believe the Subject can achieve the 30 and 60 percent AMI maximum allowable rents, in the event that the Subject were to lose its subsidy. Additionally, based on the tenant characteristics at the market rate comparables, we maintain that the Subject can achieve two and three-bedroom market rents above the sponsor's proposed rents.

CITY OF FLINT
OPTIONS TO PURCHASE

OPTION AGREEMENT

The City of Flint, having an address at 1101 S. Saginaw Street, Flint, MI, (the "Seller" or "City"), and Norstar Development USA, L.P., having an address at 733 Broadway, Albany, NY 12207 (the "Buyer") enter into this Option Agreement (the "Option") subject to the following conditions:

1. Grant of the Option. In consideration of Ten Dollars and 00/100 Dollars (\$10.00) paid by the Buyer to the Seller, receipt of which the Seller acknowledges, the Seller grants the Buyer, or an affiliate entity that is fully-controlled by the Buyer, an exclusive option to purchase, upon the terms and conditions hereinafter set forth, the real property described in Attachment A with all easements, rights, and appurtenances thereto. The Buyer is not required to purchase all parcels listed in Attachment A and this Option may be exercised in pieces. The Option may be exercised by the Buyer at any time prior to 5:00p.m. on December 31, 2021. During the term of this Option, the Buyer may undertake any inspections, testing and other due diligence activities upon written notice to the Seller. The purchase Option may at the sole discretion of the City and, in whole or in part, be extended for two twelve (12) month periods by giving a thirty (30) day written notice to the City outlining the necessity of the extension and documentation that sufficient progress has been made toward securing funding. The parcels included in this Option are assignable to single-purpose LDHA entities controlled by Norstar principals for the purpose of housing development under the CNI plan. Upon written notification of a low-income housing tax credit award from the Michigan State Housing Development Authority, the City will assign the applicable parcels from Attachment A to the proposed ownership entity. The Option is contingent upon written documentation of notification of an award of low-income housing tax credits by the Michigan State Housing Development Authority and/or a CNI award from the U.S. Department of Housing and Urban Development.
2. Purchase price. The purchase price for each parcel under this option, exclusive of all fees and taxes due and payable for each of the properties, is as stated in Attachment A. The balance of the purchase price and fees shall be paid in full at the closing with certified funds.
3. Exercise of the Option. The Buyer may exercise this Option by giving written notice signed by the Buyer to the Seller at its address stated above, including any written documentation associated with any contingencies outlined in Section 1 and any other terms mutually agreed upon. The notice must be in writing signed by the Buyer and received by the Seller before this Option expires.
4. Closing. This sale shall be closed within 10 days after all the closing documents are prepared but no later than 30 days after the Seller receives the notice that the Commitment of Title Insurance has been issued. The cost of Title Insurance will be the responsibility of the Buyer.
5. The closing and preparations for the closing. If the Buyer exercises the Option, the following obligations shall be performed by the closing:
 - a. The Seller shall prepare the necessary conveyance documents to transfer its title to the Buyer and forward them to the Buyer for the Buyer's review before the scheduled date of the closing.
 - b. The closing shall be held at the Seller's offices as stated in this Option agreement unless the parties mutually agree on some other location.
 - c. All real estate taxes owing if any on the premises shall be prorated between the Buyer and the Seller according to the calendar year, under the assumption that taxes are collected in arrears to cover the calendar year in which they become due and payable. For any outstanding

ATTACHMENT A

40-12-230-033	\$900
40-12-256-001	\$650
40-12-256-002	\$400
40-12-256-003	\$700
40-12-256-013	\$1,000
40-12-281-056	\$1,350
40-12-281-057	\$1,100
40-12-281-059	\$1,300
40-12-281-062	\$1,000
40-12-281-063	\$1,300
40-12-236-009	\$3,000

assessments on the premises that are paid in annual installments, the annual installment for the year in which the closing is held shall be prorated between the parties, and all successive installments shall be paid by the Buyer.

6. Binding effect. This agreement shall bind and benefit the parties' successors and assigns. The Buyer may assign its interest under this agreement only with written consent from the Seller.

7. Construction and venue. This agreement shall be governed by Michigan laws. Any disputes shall be brought in the Courts of Genesee County.

8. Entire agreement. This agreement contains the entire agreement of the parties with respect to the transaction described in this agreement, and this agreement may not be amended or released, in whole or in part, except by a document signed by the parties.

9. Effective date. The effective date of this agreement, i.e., the date on which the timing provisions and contingencies of this agreement begin (the Effective Date), will be the date on which the last person to sign this document will have signed the document. If the parties fail to insert the date they signed this agreement beneath their signatures below, the Effective Date will be the date on which Buyer received a fully executed copy of this document.

Witness



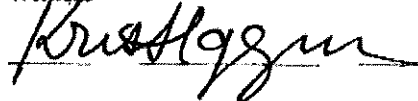
Jan 15, 2021
Date

Seller


Claude Edwards, City Administrator
City of Flint

Jan 15, 21
Date

Witness



1/18/21
Date

Buyer


Richard L. Higgins, President
Norstar Development USA, L.P.

1/18/21
Date

GENESEE COUNTY LAND BANK

OPTIONS TO PURCHASE

OPTION AGREEMENT

Genesee County Land Bank Authority, of Flint, Michigan, 452 S. Saginaw St. 2nd Floor, Flint, MI 48502, (the "Seller"), and Norstar Development USA L.P., 733 Broadway, Albany, NY 12207 (the "Buyer") enter into this Option Agreement (the "Option") subject to the following conditions:

1. Grant of the Option. In consideration of One Thousand five-hundred (\$1,500.00) Dollars paid by the Buyer to the Seller, receipt of which the Seller acknowledges, the Seller grants the Buyer an exclusive option to purchase, upon the terms and conditions hereinafter set forth, the real property described in the attached Exhibit A, (collectively the "Property", which consists of several individual parcels), with all easements, rights, and appurtenances. The option price is non-refundable. The Option may be exercised by the Buyer at any time prior to 5:00p.m. on November 30, 2018. During the term of this Option, the Buyer may undertake any inspections, testing and other due diligence activities upon written notice to the Seller. The purchase Option may at the sole discretion of the Land Bank and, in whole or in part, be extended for up to two Twelve (12) Month periods for an additional, non-refundable \$1,500 per extension by giving a written request at least thirty (30) days prior to the expiration of the Option to the Land Bank that contains the following: (1) necessity of the extension (2) notification of an award of Choice Neighborhoods grant funding from The U.S. Department of Housing and Urban Development (3) documentation that progress has been made towards securing funding including applications for state and federal subsidy, market studies demonstrating feasibility and related development information, (4) a letter of support from the Mayor of the City of Flint, and (5) documentation that the planned development is consistent with the use approved by the Land Bank's Board of Directors.

The Buyer and Seller also understand that the parcels listed in Exhibit B were assisted using grant funding from the Michigan State Housing Development Authority (MSHDA) under the federal Neighborhood Stabilization Program or Help for the Hardest Hit programs, and this agreement is conditioned upon release from those programs and/or any restrictions as may be required to satisfy any conditions under those programs.

2. Purchase price. If exercised within the first year, the the total purchase price for the parcels under this Option is set at \$5,000 per acre. If exercised after November 30, 2018, the price will be set at fair market value, as determined by a real estate broker or appraiser to be obtained by the Land Bank. The price is exclusive of all fees and taxes due and payable for each of the properties as stated on Exhibit A. The balance of the purchase price and fees shall be paid in full at the closing with certified funds. The consideration for this Option shall be credited to the purchase price for the properties at the closing if the Buyer exercises the option.
3. Exercise of the Option. The Buyer may exercise this Option by giving written notice signed by the Buyer to the Seller at its address stated above, including any written documentation associated with any contingencies outlined in Section 1 as well as, (1) Site Plan Approval from the City of Flint, (2) letters of commitment for development financing, and (3) a letter of support from the City of Flint Planning Department, and (4) Final approval by the Land Bank of all

documentation as required in the GCLBA's policies and procedures. The notice must be in writing signed by the Buyer and received by the Seller before this Option expires. It is understood by all parties that all parcels on Exhibit A may not be approved for closing at the same time. As such the Buyer may exercise its option on some or all of the parcels throughout the term of the agreement. The terms and conditions outlined in this Option will remain in full effect for any parcels not purchased until the expiration of the Option.

4. Failure to exercise the Option. If the Buyer fails to properly exercise this Option before this agreement expires, this Option shall terminate and the Seller may retain One Thousand five-hundred (\$1,500.00) Dollars consideration and shall have no further obligation to the Buyer.

5. Closing. The land bank or its agent will prepare closing documents no later than 10 business days after receiving written notification from the Buyer that the Option is being exercised. This sale shall be closed within 10 days after all the closing documents are prepared but no later than 30 days after the Seller receives the notice that the Commitment of Title Insurance has been issued. The cost of Title Insurance will be the responsibility of the Buyer.

6. The closing and preparations for the closing. If the Buyer exercises the Option, the following obligations shall be performed by the closing:

a. The Seller shall prepare the necessary conveyance documents to transfer its title to the Buyer and forward them to the Buyer for the Buyer's review before the scheduled date of the closing.

b. The closing shall be held at the Seller's offices as stated in this Option agreement unless the parties mutually agree on some other location.

c. All real estate taxes owing if any on the Property shall be prorated between the Buyer and the Seller according to the calendar year, under the assumption that taxes are collected in arrears to cover the calendar year in which they become due and payable. For any outstanding assessments on the Property that are paid in annual installments, the annual installment for the year in which the closing is held shall be prorated between the parties, and all successive installments shall be paid by the Buyer.

7. Maintenance. The Buyer agrees that the Property must be maintained in the following manner by the buyer or their designee:

a. The Buyer's obligations are as follows:

i. Take action to insure that nothing is done which might place Seller in violation of applicable building, housing, zoning, and health codes and regulations.

ii. Keep the Property clean and sanitary, removing garbage and trash as it accumulates, and the lawn maintained.

iii. Operate all equipment in a reasonable, safe manner as defined under state and local laws and ordinances.

b. The Buyer is permitted to make improvements to the Property relating to lawn maintenance, gardening or landscaping.

c. Any other improvement to the Property, or removal of Seller's property, including trees, or alterations shall not be made without the prior consent of the Seller.

d. The Seller makes no representation or warranty about the content or condition of the Property or its fitness for any particular use.

e. Seller has the right of emergency access to the Property at any time.

f. Buyer agrees to accept the Property in its current condition, clean and maintain the Property during the term of this Option.

If maintenance terms are not followed, the Seller may upon written notification cancel this option and retain the \$1,500 deposit to offset maintenance costs.

8. Release of Liability. The Buyer agrees to indemnify and hold harmless the Seller, Genesee County, and the their respective Board of Commissioners and Board of Directors, their administrators, agents, and employees from any and all liability for property damage and/or bodily injury to anyone or anything that arises from or is caused by actions or omissions taken in furtherance of the execution of this Option. The Buyer understands that the property may be in poor condition and presents potential hazards and assumes all risks.

9. Environmental Review. Notwithstanding any other provision of this contract, Buyer shall have no obligation to purchase the Property and no transfer of title to the Purchaser may occur, unless written notification has been provided to all parties by the Responsible Entity, as defined by the federal program, showing that: (1) it has completed a federal required environmental review and its request for release of federal funds has been approved and, subject to any other Contingencies in this Contract, (a) the purchase may proceed or (b) the purchaser may proceed only if certain conditions to address issues in the environmental review shall be satisfied before or after the purchase of the property; or (2) it has been determined by the Responsible Entity that the purchase is exempt from federal environmental review and a request for release of funds is not required.

10. Binding effect. This agreement shall bind and benefit the parties' successors and assigns. The Buyer may assign its interest under this agreement only with written consent from the Seller.

11. Construction and venue. This agreement shall be governed by Michigan laws. Any disputes shall be brought in the Courts of Genesee County.

12. Entire agreement. This agreement contains the entire agreement of the parties with respect to the transaction described in this agreement, and this agreement may not be amended or released, in whole or in part, except by a document signed by the parties.


13. Effective date. The effective date of this agreement, i.e., the date on which the timing provisions and contingencies of this agreement begin (the Effective Date), will be the date on which the last person to sign this document will have signed the document. If the parties fail to insert the date they signed this agreement beneath their signatures below, the Effective Date will be the date on which Buyer received a fully executed copy of this document.

Witness



2/20/18
Date

Seller



Michele M. Wildman, Executive Director
Genesee County Land Bank Authority

02/20/2018
Date


Witness



KEVIN P. MCCARTHY

11/16/2017
Date

Buyer



Richard L. Higgins, President
Norstar Development USA, L.P.

11/16/2017
Date

Exhibit A

40-12-204-001	VL M L King
40-12-204-002	VL (1524) M L King
40-12-204-003	VL (1518) M L King
40-12-204-006	VL (216) Mary
40-12-204-007	VL Mary
40-12-204-008	VL (224) Mary
40-12-204-015	VL Crosby
40-12-204-016	VL Crosby
40-12-204-017	VL (213) Crosby
40-12-205-003	VL (1506) M L King
40-12-205-004	VL (1502) M L King
40-12-205-005	VL Crosby
40-12-205-012	VL (213) Crosby
40-12-206-004	VL Mary St
40-12-206-005	VL (316) Crosby
40-12-206-006	VL Mary St
40-12-206-007	VL Mary
40-12-206-008	VL Mary St
40-12-206-009	VL Mary
40-12-206-010	VL (328) Mary
40-12-206-011	VL (332) Mary
40-12-206-012	VL Mary
40-12-206-014	VL Mary
40-12-207-005	VL (318) Crosby
40-12-207-006	VL Crosby
40-12-207-007	VL (326) Crosby
40-12-207-008	VL (330) Crosby
40-12-207-009	VL Crosby
40-12-207-010	VL (336) Crosby
40-12-230-011	VL Avenue B
40-12-230-012	VL E Wood
40-12-230-015	VL Mary St
40-12-230-016	VL Mary
40-12-230-017	VL (1531) Avenue A
40-12-230-018	VL Avenue A

40-12-231-004	VL Avenue A
40-12-231-005	VL Avenue A
40-12-231-006	VL (1524) Avenue A
40-12-231-007	VL (1522) Avenue A
40-12-210-001	VL E Wood
40-12-210-008	VL Avenue C
40-12-256-009	VL Williams
40-12-256-010	VL Avenue B
40-12-256-011	VL (1137) Avenue B
40-12-256-012	VL (1133) Avenue B
40-12-276-027	VL Avenue A
40-12-276-056	VL (1418) Avenue B
40-12-280-003	VL (1138) Avenue B
40-12-280-004	VL (458) Williams
40-12-280-005	VL (462) Williams
40-12-280-006	VL Williams
40-12-280-008	VL Avenue B
41-30-277-007	VL (4401) Milton Dr
41-30-276-018	VL (4322) Milton Dr
41-30-226-013	VL Pengelly Rd
41-30-226-014	VL (3917) Pengelly Rd
41-30-226-015	VL Pengelly Rd
41-30-226-017	VL Pengelly Rd

200 South Division Street
Buffalo, New York 14204
Tel: (716) 847-1098
Fax: (716) 847-1668



733 Broadway
Albany, New York 12207
Tel: (518) 431-1051
Fax: (518) 431-1053

February 16, 2018

VIA FEDERAL EXPRESS DELIVERY

Ms. Dawn Everett
Genesee County Land Bank Authority
452 S. Saginaw Street, 2nd Floor
Flint, MI 48502

RE: Clark Commons, Flint, MI: Option Agreement - Future Phases

Dear Dawn:

Pursuant to your request, and in accordance with Section 1 - "Grant of the Option" of that certain Option Agreement between Genesee County Land Bank Authority ("Land Bank") and Norstar Development USA, L.P. ("Norstar"), enclosed please find the following items in connection with the above referenced matter:

- Check No. 10666 from Norstar to the Land Bank in the amount of \$1,500.00; and
- Option Agreement (originally executed by Norstar).

Please feel free to contact me with any questions.

Sincerely,

Kevin P. McCarthy

Kevin P. McCarthy
Vice President

Enclosures

cc: Michele Wildman, GCLBA via e-mail, w/out encls.
Lori Harris, Norstar Development via e-mail, w/out encls.

ADDENDUM TO OPTION AGREEMENT

This Option Agreement Addendum is made and entered into on the Effective Date set forth on the signature page below, by and between the Genesee County Land Bank Authority and Norstar Development USA, L.P.

All parties hereby agree to the Effective Date of the Option Agreement as February 20, 2018

Witness



Date

8/26/20

Seller

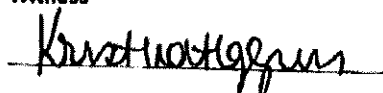


Michael Freeman, Executive Director
Genesee County Land Bank Authority

Date

8/26/20

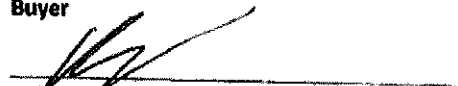
Witness



Date

8/25/2020

Buyer



Richard L. Higgins, on behalf of
Norstar Development USA, L.P.

Date

8/25/2020

Witness



Date

8/25/2020

Buyer

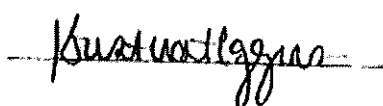


Richard L. Higgins, on behalf of
Clark Commons II Limited Dividend Housing
Association, LLC

Date

8/25/2020

Witness



Date

8/25/2020

Buyer



Richard L. Higgins, on behalf of
Clark Commons III Limited Dividend Housing
Association, LLC

Date

8/25/2020

AMENDMENT TO OPTION AGREEMENT

This First Amendment to Option Agreement is made and entered into effective March 14, 2019 by and between the Genesee County Land Bank Authority and Norstar Development USA L.P.

WHEREAS the Genesee County Land Bank Authority ("Seller") and Norstar Development USA L.P. ("Buyer") entered into an Option Agreement on March 20, 2018 to purchase property described in Exhibit A of the Option Agreement.

WHEREAS Seller and Buyer desire to amend the Option Agreement as set forth herein.

NOW, THEREFORE the Option Agreement deadline to execute will be extended from November 30, 2018 to November 30, 2019 for the consideration of One Thousand Five-Hundred (\$1,500) Dollars paid by the Buyer to the Seller, receipt of which the Seller acknowledges.

All other provisions and conditions in the Option Agreement remain in full force and effect and unchanged except as provided herein.

This amendment may be executed in any number of counterparts with the same effect as if all signing parties have signed the same document.

Witness

Dawn Eivett

Date 3/31/19

Witness

Kristina Higgins

Date 3/14/2019

Seller

Michael M. Wildman

Michael M. Wildman, Executive Director
Genesee County Land Bank Authority

Date 3/31/2019

Buyer

Richard L. Higgins

Richard L. Higgins, President
Norstar Development USA, L.P.

Date 3/14/2019

SECOND AMENDMENT OPTION AGREEMENT

This Option Agreement Amendment is made and entered into effective December ____, 2019 by and between the Genesee County Land Bank Authority and Norstar Development USA L.P.

WHEREAS the Genesee County Land Bank Authority ("Seller") and Norstar Development USA L.P. ("Buyer") entered into an Option Agreement on March 20, 2018 to purchase property described in Exhibit A of the Option Agreement and executed an amendment on March 14, 2019.

WHEREAS Seller and Buyer desire to amend the Option Agreement as set forth herein.

NOW, THEREFORE the parcels listed in Exhibit B will be assigned to Clark Commons II Limited Dividend Housing Association, LLC and the parcels listed in Exhibit C will be assigned to Clark Commons III Limited Dividend Housing Association, LLC.

THEREFORE, parcel 40-12-210-008, 40-12-280-006, 40-12-204-001, 40-12-204-002, 40-12-204-003, 40-12-205-003, 40-12-205-004, 40-12-205-005, 40-12-205-012, 40-12-231-004, 40-12-231-005, 40-12-231-006, and 40-12-231-007 will be removed from the Option.

THEREFORE, parcel 40-12-276-055, 40-12-280-028, and 40-12-281-058, more thoroughly described in Exhibit B, will be added to the Option.

THEREFORE, the Purchase price for Clark Commons II Limited Dividend Housing Association, LLC will be Seven Thousand Nine Hundred Dollars (\$7,900). The deposit for the Option Agreement (\$1,500) and the considerations for the March 14, 2019 Amendment (\$1,500) will be credited towards phase II. The Purchase price for Clark Commons III Limited Dividend Housing Association, LLC will be Eighteen Thousand Five Hundred Fifty Dollars (\$18,550) with the consideration from this Second Amendment (\$1,500) being credited towards phase III.

THREFORE, the Option Agreement deadline to execute will be extended from November 30, 2019 to November 30, 2020 for the consideration of One Thousand Five-Hundred Dollars (\$1,500) paid by the Buyer to the Seller, receipt of which the Seller acknowledges.

All other provisions and conditions in the Option Agreement and first amendment remain in full force and effect and unchanged except as provided herein.

This amendment may be executed in any number of counterparts with the same effect as if all signing parties have signed the same document.

Exhibit B			
Assigned to Clark Commons II LDHA, LLC			
Parcel	Address	Tax Designation	legal description
40-12-276-027	VL Avenue A	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOTS 7 AND 8 DESC AS BEG AT A PT ON W LINE OF AVE A 260 FT S OF S LINE OF WOOD ST; TH SLY ALG SD W LINE 50 FT; TH WLY = WITH SLY LINE OF LOTS 7 AND 8 TO ELY LINE OF GEO. LADUES ADDITION; TH NLY ALG SD ELY LINE 50 FT; TH ELY TO BEG.
40-12-276-056	1418 Avenue B	Brownfield	GEO. LADUE'S ADDITION LOTS 1 AND 2; ALSO PART OF LOT 3 DESC AS: NLY 11 FT OF WLY 67.6 FT OF N 16.4 FT OF ELY 71 FT COMB ON 10/15/2012 FROM 40-12-276-002, 40-12-276-001, 40-12-276-003, 40-12-276-004;
40-12-280-003	1138 Avenue B	Brownfield	McFARLAN & CO.'S DETROIT STREET ADDITION S 1/2 OF THE W 1/2 OF LOT 2 AND N 9 FT OF LOT 4, BLK 6
40-12-280-004	458 Williams	5/50	McFARLAN & CO.'S DETROIT STREET ADDITION W 40 FT OF E 1/2 OF LOT 2, BLK 6
40-12-280-008	VL Avenue B	Brownfield	McFARLAN & CO.'S DETROIT STREET ADDITION S 21 FT OF LOT 4, BLK 6
40-12-276-055	1321 Avenue A	5/50	THE SUBDIVISION OF PART OF SEC 2 OF THE SMITH RESERVATION, SO-CALLED, ADJ THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER, PART OF LOTS 7 AND 8 DESC AS: BEG AT A PT IN SLY LINE OF SD LOT 8 AT ITS INTERSEC WITH WLY LINE OF AVENUE A, SD PT ALSO BEING THE NELY COR OF LOT 1, BLK 2 OF McFARLAN & CO.'S DETROIT STREET ADDITION; TH WLY ALG SLY LINE OF SD LOTS TO ELY LINE OF GEO. LADUES ADDITION; TH NLY ALG SD ELY LINE, 55.5 FT; TH ELY = WITH SD SLY LINE TO SD WLY LINE; TH SLY TO POB; ALSO N 39.5 FT OF LOT 1, BLK 2 McFARLAN AND CO.'S DETROIT STREET ADDITION COMB ON 12/16/2011 FROM 40-12-276-030, 40-12-276-049;

40-12-280-028	VL Avenue A	5/50	MCFARLAN & CO.'S DETROIT STREET ADDITION LOT 7, BLK 6
40-12-281-058	1022 Avenue A	5/50	MCFARLAN & CO.'S DETROIT STREET ADDITION S 23.33FT OF LOT 16 AND LOT 18, BLK 7 COMB ON 12/16/2011 FROM 40-12- 281-013, 40-12-281-014;
40-12-210-001	VL E Wood	Brownfield	GEO. LADUE'S ADDITION LOT 21.
40-12-280-005	462 Williams	Brownfield	MCFARLAN & CO.'S DETROIT STREET ADDITION WEST 10 FT OF LOT 1 AND E 26 FT OF LOT 2, BLK 6.

Exhibit C			
Assigned to Clark Commons III LDHA, LLC			
Parcel	Address	Tax Designation	legal description
40-12-204-006	216 Mary	5/50	PARK HEIGHTS ADDITION LOT 22.
40-12-204-007	VL Mary	5/50	PARK HEIGHTS ADDITION LOT 23.
40-12-204-008	224 Mary	5/50	PARK HEIGHTS ADDITION LOT 24
40-12-204-015	VL Crosby	5/50	PARK HEIGHTS ADDITION E 35 FT OF LOTS 18 AND 19 AND BEG AT A PT ON THE N LINE OF LOT 19, PARK HEIGHTS ADDITION, 38.4 FT W OF THE NE COR OF SD LOT 19; RNG TH E ALONG SD N LINE, 3.4 FT; TH S AT RT <, 18 FT; TH SWLY ALONG THE NLY LINE OF LAND SOLD TO R L KURTZ, 3.8 FT; TH N = WITH E LINE TO POB.
40-12-204-016	VL Crosby	5/50	PARK HEIGHTS ADDITION LOT 17.
40-12-204-017	213 Crosby	5/50	PARK HEIGHTS ADDITION LOT 16.
40-12-206-004	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST, 493.5 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 42.5 FT; TH SLY AT RT ANGLES 70 FT; TH ELY = WITH SD SLY LINE 42.5 FT; TH NLY 70 FT TO P.O.B.
40-12-206-005	316 Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST 453.5 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 40 FT; TH SLY AT RT ANGLES 71 FT; TH ELY = WITH SD SLY LINE 40 FT; TH NLY 71 FT TO BEG.

40-12-206-006	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST, 428.5 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 25 FT; TH SLY = WITH SD WLY LINE 74 FT; TH ELY = WITH SD SLY LINE 25 FT; TH NLY = WITH SD WLY LINE 74 FT TO POB.
40-12-206-007	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST 402.5 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 26 FT; TH SLY AT RT ANGLES 74 FT; TH ELY = WITH SD SLY LINE 26 FT; TH NLY TO BEG.
40-12-206-008	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST 374 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 28.5 FT; TH SLY AT RT ANGLES TO SD SLY LINE 74.5 FT; TH ELY = WITH SD SLY LINE 28.5 FT; TH NLY TO BEG.
40-12-206-009	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT IN S LINE OF MARY ST 349 FT W OF W LINE OF AVE B; TH SLY AT RT ANGLES 74.75 FT; TH WLY AT RT ANGLES 25 FT; TH NLY AT RT ANGLES 74.75 FT TO SD S LINE; TH ELY 25 FT TO POB.

40-12-206-010	328 Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST 315 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 34 FT; TH SLY AT RT ANGLES 75 FT; TH ELY = WITH SD SLY LINE 34 FT; TH NLY 75 FT TO BEG.
40-12-206-011	332 Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST, 281 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 34 FT; TH SLY AT RT ANGLES 75 FT; TH ELY = WITH SD SLY LINE 34 FT; TH NLY 75 FT TO POB.
40-12-206-012	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON S LINE OF MARY ST 281 FT WLY OF WLY LINE OF AVE B. TH SLY AT RT ANGLES 77 FT; TH ELY = WITH SD SLY LINE 29 FT; TH NLY = WITH SD WLY LINE 77 FT TO SD SLY LINE; TH WLY 29 FT TO POB.
40-12-206-014	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST 223 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 29 FT; TH SLY AT RT ANGLES 77.5 FT; TH ELY = WITH SD SLY LINE 29 FT; TH NLY 77.5 FT TO POB.

40-12-207-005	318 Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS: BEG AT A PT ON NLY LINE OF WOOD ST, 247.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH NLY AT RT ANGLES TO SLY LINE OF CROSBY ST; TO SD SLY LINE; TH WLY ALG SD SLY LINE 41.5 FT; TH SLY AT RT ANGLES TO A PT ON SD NLY LINE; TH ELY ALG SD NLY LINE TO BEG; EXC SLY 124 FT.
40-12-207-006	Vl Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST 213.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH WLY ALG SD SLY LINE 37 FT; TH SLY = WITH SD WLY LINE 97 FT; TH ELY = WITH SD SLY LINE 37 FT; TH NLY 97 FT TO BEG.
40-12-207-007	326 Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST, 176.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH WLY ALG SD SLY LINE 37 FT; TH SLY = WITH SD WLY LINE 97 FT; TH ELY = WITH SD SLY LINE 37 FT; TH NLY 97 FT TO BEG.
40-12-207-008	330 Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST, 139.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH WLY ALG SD SLY LINE 37 FT; TH SLY = WITH SD WLY LINE 97 FT; TH ELY = WITH SD SLY LINE 25 FT; TH NLY = WITH SD WLY LINE 17.75 FT; TH ELY = WITH SD SLY LINE 12 FT; TH NLY = WITH SD WLY LINE TO BEG.

40-12-207-009	VL Crosby		THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST 139.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH SLY = WITH SD WLY LINE 79.25 FT; TH ELY = WITH SD SLY LINE 45 FT; TH NLY = WITH SD WLY LINE 79.25 FT TO SD SLY LINE; TH WLY ALG SD SLY LINE 45 FT TO BEG.
40-12-207-010	336 Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST, 94.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH SLY = WITH SD WLY LINE 79.25 FT; TH ELY = WITH SD SLY LINE 35 FT; TH NLY = WITH SD WLY LINE 79.25 FT TO SD SLY LINE; TH WLY ALG SD SLY LINE 35 FT TO BEG.
40-12-230-011	VL Avenue B	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS: BEG ON ELY LINE OF AVE B, 80 FT NLY OF N LINE OF WOOD ST; TH NLY ON SD ELY LINE 61 FT; TH ELY = WITH SD N LINE 72 FT; TH SLY = WITH SD ELY LINE 61 FT; TH WLY 72 FT TO BEG.
40-12-230-012	VL E Wood	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT INTERSEC OF ELY LINE OF AVE B WITH NLY LINE OF WOOD ST; TH ELY ALG SD NLY LINE 36 FT; TH NLY = WITH SD ELY LINE 80 FT; TH WLY = WITH SD NLY LINE 36 FT TO ELY LINE OF AVE B; TH SLY TO BEG.

40-12-230-015	VL Mary	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT IN S LINE OF MARY ST, 56.21 FT WLY OF INTERSEC OF WLY LINE OF AVE A; TH WLY ALG SD S LINE, 56.44 FT; TH SLY = WITH SD W LINE 56.32 FT; TH ELY = WITH SD S LINE 56.36 FT; TH NLY = WITH SD W LINE TO POB.
40-12-230-016	VI Mary	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT INTERSEC OF S LINE OF MARY ST WITH W LINE OF AVE A; TH SLY ALG SD W LINE 55.3 FT; TH WLY 55.2 FT; TH NLY 55.8 FT TO A PT ON S LINE OF MARY ST 56.2 FT WLY FROM POB; TH ELY TO BEG.
40-12-230-017	1531 Avenue A	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE A 55.3 FT SLY OF ITS INTERSEC WITH SLY LINE OF MARY ST; TH SLY ALG SD WLY LINE 30.5 FT; TH WLY 110.0 FT TO A PT 84.2 FT SLY OF SLY LINE OF MARY ST; TH N 27.85 FT TO A PT 111.7 FT WLY FROM BEG; TH ELY TO BEG.
40-12-230-018	VL Avenue A	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE A 85.8 FT SLY OF ITS INTERSEC WITH SLY LINE OF MARY ST; TH SLY ALG SD WLY LINE 34.2 FT; TH WLY 110.8 FT TO A PT 116.3 FT SLY OF SD SLY LINE; TH N 32.1 FT TO A PT 110 FT WLY FROM BEG; TH ELY TO BEG.
40-12-210-001	VL E Wood	Brownfield	GEO. LADUE'S ADDITION LOT 21.
40-12-256-009	VL Williams	5/50	McFARLAN & CO.'S DETROIT STREET ADDITION W 40 FT OF LOT 1, BLK 5.
40-12-256-010	VL Avenue B	5/50	McFARLAN & CO.'S DETROIT STREET ADDITION NORTH 60 FT OF E 92 FT OF LOT 1, BLK 5

40-12-256-011	1137 Avenue B	5/50	MCFARLAN & CO.'S DETROIT STREET ADDITION N 27-1/2 FT OF LOT 3 AND S 10 FT OF E 92 FT OF LOT 1, BLK 5
40-12-256-012	1133 Avenue B	5/50	MCFARLAN & CO.'S DETROIT STREET ADDITION S 37-1/2 FT OF LOT 3, BLK 5.
41-30-277-007	4401 Milton	5/50	DIXIELAND LOT 163.
41-30-276-018	4322 Milton	5/50	DIXIELAND LOTS 117 THRU 120 INCL.
41-30-226-013	VL Pengelly	5/50	DIXIELAND LOT 466.
41-30-226-014	3917 Pengelly	5/50	DIXIELAND LOT 464 AND 465.
41-30-226-015	VL Pengelly	Brownfield	DIXIELAND LOT 463.
41-30-226-017	VL Pengelly	Brownfield	DIXIELAND LOT 462.

THIRD AMENDMENT OPTION AGREEMENT

This Option Agreement Amendment is made and entered into on the Effective Date set forth on the signature page below, by and between the Genesee County Land Bank Authority and Norstar Development USA, L.P.

WHEREAS the Genesee County Land Bank Authority ("Seller") and Norstar Development USA, L.P. ("Buyer") entered into an Option Agreement on February 20, 2018 to purchase property described in Exhibit A of the Option Agreement and executed an amendment on March 14, 2019 and a second amendment on December 13, 2019.

WHEREAS Seller and Buyer desire to further amend the Option Agreement as set forth herein.

NOW, THEREFORE the parcels listed in Exhibit D will be assigned to Clark Commons II Limited Dividend Housing Association, LLC and the parcels listed in Exhibit E will be assigned to Clark Commons III Limited Dividend Housing Association, LLC.

THEREFORE, parcel 40-12-204-006, 40-12-204-007, 40-12-204-008, 40-12-204-015, 40-12-204-016, 40-12-204-017, 40-12-206-012, and 40-12-206-014 will be removed from the Option.

THEREFORE, the Purchase price for Clark Commons II Limited Dividend Housing Association, LLC will be Five Thousand Five Hundred Fifty Dollars (\$5,550). The deposit for the Option Agreement (\$1,500) and the considerations for the March 14, 2019 Amendment (\$1,500) will be credited towards phase II. The Purchase price for Clark Commons III Limited Dividend Housing Association, LLC will be Seventeen Thousand Two Hundred Fifty Dollars (\$17,250) with the consideration from the December 13, 2019 Second Amendment (\$1,500) and this Third Amendment (\$1,500) being credited towards phase III.

* NOW THEREFORE, the Option Agreement deadline to execute will be extended from November 30, 2020 to November 30, 2021 for the consideration of One Thousand Five-Hundred Dollars (\$1,500) paid by the Buyer to the Seller, receipt of which the Seller acknowledges.

All other provisions and conditions in the Option Agreement and first and second amendments remain in full force and effect and unchanged except as provided herein.

This amendment may be executed in any number of counterparts with the same effect as if all signing parties have signed the same document.

Witness

[Signature]

Date 8/26/20

Seller

[Signature]

Michael Freeman, Executive Director
Genesee County Land Bank Authority

Date 8/26/20

Witness

[Signature]

Date 8/20/2020

Buyer

[Signature]

Richard L. Higgins, on behalf of
Norstar Development USA, L.P.

Date 8/20/2020

Witness

[Signature]

Date 8/20/2020

Buyer

[Signature]

Richard L. Higgins, on behalf of
Clark Commons II Limited Dividend Housing
Association, LLC

Date 8/20/2020

Witness

[Signature]

Date 8/20/2020

Buyer

[Signature]

Richard L. Higgins, on behalf of
Clark Commons III Limited Dividend Housing
Association, LLC

Date 8/20/2020

EXHIBIT D			
Assigned to Clark Commons II Limited Dividend Housing Association, LLC			
Parcel	Address	Tax Designation	Legal Description
40-12-210-001	VL E Wood	Brownfield	GEO. LADUE'S ADDITION LOT 21.
40-12-276-027	VL Avenue A	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOTS 7 AND 8 DESC AS BEG AT A PT ON W LINE OF AVE A 260 FT S OF S LINE OF WOOD ST; TH SLY ALG SD W LINE 50 FT; TH WLY = WITH SLY LINE OF LOTS 7 AND 8 TO ELY LINE OF GEO. LADUES ADDITION; TH NLY ALG SD ELY LINE 50 FT; TH ELY TO BEG.
40-12-276-056	1418 Avenue B	Brownfield	GEO. LADUE'S ADDITION LOTS 1 AND 2; ALSO PART OF LOT 3 DESC AS: NLY 11 FT OF WLY 67.6 FT OF N 16.4 FT OF ELY 71 FT COMB ON 10/15/2012 FROM 40-12-276-002, 40-12-276-001, 40-12-276-003, 40-12-276-004;
40-12-280-003	1138 Avenue B	Brownfield	McFARLAN & CO.'S DETROIT STREET ADDITION S 1/2 OF THE W 1/2 OF LOT 2 AND N 9 FT OF LOT 4, BLK 6
40-12-280-004	458 Williams	Brownfield	McFARLAN & CO.'S DETROIT STREET ADDITION W 40 FT OF E 1/2 OF LOT 2, BLK 6
40-12-280-008	VL Avenue B	Brownfield	McFARLAN & CO.'S DETROIT STREET ADDITION S 21 FT OF LOT 4, BLK 6
40-12-276-055	1321 Avenue A	5/50	THE SUBDIVISION OF PART OF SEC 2 OF THE SMITH RESERVATION, SO-CALLED, ADJ THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER, PART OF LOTS 7 AND 8 DESC AS: BEG AT A PT IN SLY LINE OF SD LOT 8 AT ITS INTERSEC WITH WLY LINE OF AVENUE A, SD PT ALSO BEING THE NELY COR OF LOT 1, BLK 2 OF McFARLAN & CO.'S DETROIT STREET ADDITION; TH WLY ALG SLY LINE OF SD LOTS TO ELY LINE OF GEO. LADUES ADDITION; TH NLY ALG SD ELY LINE, 55.5 FT; TH ELY = WITH SD SLY LINE TO SD WLY LINE; TH SLY TO POB; ALSO N 39.5 FT OF LOT 1, BLK 2 McFARLAN AND CO.'S DETROIT STREET ADDITION COMB ON 12/16/2011 FROM 40-12-276-030, 40-12-276-049;
40-12-280-005	462 Williams	Brownfield	McFARLAN & CO.'S DETROIT STREET ADDITION WEST 10 FT OF LOT 1 AND E 26 FT OF LOT 2, BLK 6.

EXHIBIT E			
Assigned to Clark Commons III Limited Dividend Housing Association, LLC			
Parcel	Address	Tax Designation	Legal Description
40-12-280-028	VL Avenue A	5/50	MCFARLAN & CO.'S DETROIT STREET ADDITION LOT 7, BLK 6
40-12-281-058	1022 Avenue A	Brownfield	MCFARLAN & CO'S DETROIT STREET ADDITION S 23.33FT OF LOT 16 AND LOT 18, BLK 7 COMB ON 12/16/2011 FROM 40-12-281-013, 40-12-281-014;
40-12-206-004	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST, 493.5 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 42.5 FT; TH SLY AT RT ANGLES 70 FT; TH ELY = WITH SD SLY LINE 42.5 FT; TH NLY 70 FT TO P.O.B.
40-12-206-005	316 Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST 453.5 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 40 FT; TH SLY AT RT ANGLES 71 FT; TH ELY = WITH SD SLY LINE 40 FT; TH NLY 71 FT TO BEG.
40-12-206-006	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST, 428.5 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 25 FT; TH SLY = WITH SD WLY LINE 74 FT; TH ELY = WITH SD SLY LINE 25 FT; TH NLY = WITH SD WLY LINE 74 FT TO POB.
40-12-206-007	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST 402.5 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 26 FT; TH SLY AT RT ANGLES 74 FT; TH ELY = WITH SD SLY LINE 26 FT; TH NLY TO BEG.

40-12-206-008	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST 374 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 28.5 FT; TH SLY AT RT ANGLES TO SD SLY LINE 74.5 FT; TH ELY = WITH SD SLY LINE 28.5 FT; TH NLY TO BEG.
40-12-206-009	VL Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT IN S LINE OF MARY ST 349 FT W OF W LINE OF AVE B; TH SLY AT RT ANGLES 74.75 FT; TH WLY AT RT ANGLES 25 FT; TH NLY AT RT ANGLES 74.75 FT TO SD S LINE; TH ELY 25 FT TO POB.
40-12-206-010	328 Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST 315 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 34 FT; TH SLY AT RT ANGLES 75 FT; TH ELY = WITH SD SLY LINE 34 FT; TH NLY 75 FT TO BEG.
40-12-206-011	332 Mary	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF MARY ST, 281 FT WLY FROM WLY LINE OF AVE B; TH WLY ALG SD SLY LINE 34 FT; TH SLY AT RT ANGLES 75 FT; TH ELY = WITH SD SLY LINE 34 FT; TH NLY 75 FT TO POB.
40-12-207-005	318 Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS: BEG AT A PT ON NLY LINE OF WOOD ST, 247.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH NLY AT RT ANGLES TO SLY LINE OF CROSBY ST; TO SD SLY LINE; TH WLY ALG SD SLY LINE 41.5 FT; TH SLY AT RT ANGLES TO A PT ON SD NLY LINE; TH ELY ALG SD NLY LINE TO BEG; EXC SLY 124 FT.

40-12-207-006	VL Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST 213.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH WLY ALG SD SLY LINE 37 FT; TH SLY = WITH SD WLY LINE 97 FT; TH ELY = WITH SD SLY LINE 37 FT; TH NLY 97 FT TO BEG.
40-12-207-007	326 Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST, 176.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH WLY ALG SD SLY LINE 37 FT; TH SLY = WITH SD WLY LINE 97 FT; TH ELY = WITH SD SLY LINE 37 FT; TH NLY 97 FT TO BEG.
40-12-207-008	330 Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST, 139.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH WLY ALG SD SLY LINE 37 FT; TH SLY = WITH SD WLY LINE 97 FT; TH ELY = WITH SD SLY LINE 25 FT; TH NLY = WITH SD WLY LINE 17.75 FT; TH ELY = WITH SD SLY LINE 12 FT; TH NLY = WITH SD WLY LINE TO BEG.
40-12-207-009	VL Crosby		THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST 139.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH SLY = WITH SD WLY LINE 79.25 FT; TH ELY = WITH SD SLY LINE 45 FT; TH NLY = WITH SD WLY LINE 79.25 FT TO SD SLY LINE; TH WLY ALG SD SLY LINE 45 FT TO BEG.
40-12-207-010	336 Crosby	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 4 DESC AS BEG AT A PT ON SLY LINE OF CROSBY ST, 94.5 FT WLY FROM ITS INTERSEC WITH WLY LINE OF AVE C; TH SLY = WITH SD WLY LINE 79.25 FT; TH ELY = WITH SD SLY LINE 35 FT; TH NLY = WITH SD WLY LINE 79.25 FT TO SD SLY LINE; TH WLY ALG SD SLY LINE 35 FT TO BEG.

40-12-230-011	VL Avenue B	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS: BEG ON ELY LINE OF AVE B, 80 FT NLY OF N LINE OF WOOD ST; TH NLY ON SD ELY LINE 61 FT; TH ELY = WITH SD N LINE 72 FT; TH SLY = WITH SD ELY LINE 61 FT; TH WLY 72 FT TO BEG.
40-12-230-012	VLE Wood	5/50	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT INTERSEC OF ELY LINE OF AVE B WITH NLY LINE OF WOOD ST; TH ELY ALG SD NLY LINE 36 FT; TH NLY = WITH SD ELY LINE 80 FT; TH WLY = WITH SD NLY LINE 36 FT TO ELY LINE OF AVE B; TH SLY TO BEG.
40-12-230-015	VL Mary	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT IN S LINE OF MARY ST, 56.21 FT WLY OF INTERSEC OF WLY LINE OF AVE A; TH WLY ALG SD S LINE, 56.44 FT; TH SLY = WITH SD W LINE 56.32 FT; TH ELY = WITH SD S LINE 56.36 FT; TH NLY = WITH SD W LINE TO POB.
40-12-230-016	VI Mary	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT INTERSEC OF S LINE OF MARY ST WITH W LINE OF AVE A; TH SLY ALG SD W LINE 55.3 FT; TH WLY 55.2 FT; TH NLY 55.8 FT TO A PT ON S LINE OF MARY ST 56.2 FT WLY FROM POB; TH ELY TO BEG.
40-12-230-017	1531 Avenue A	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE A 55.3 FT SLY OF ITS INTERSEC WITH SLY LINE OF MARY ST; TH SLY ALG SD WLY LINE 30.5 FT; TH WLY 110.0 FT TO A PT 84.2 FT SLY OF SLY LINE OF MARY ST; TH N 27.85 FT TO A PT 111.7 FT WLY FROM BEG; TH ELY TO BEG.

40-12-230-018	VL Avenue A	Brownfield	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE A 85.8 FT SLY OF ITS INTERSEC WITH SLY LINE OF MARY ST; TH SLY ALG SD WLY LINE 34.2 FT; TH WLY 110.8 FT TO A PT 116.3 FT SLY OF SD SLY LINE; TH N 32.1 FT TO A PT 110 FT WLY FROM BEG; TH ELY TO BEG.
40-12-256-009	VL Williams	5/50	MCFARLAN & CO.'S DETROIT STREET ADDITION W 40 FT OF LOT 1, BLK 5.
40-12-256-010	VL Avenue B	5/50	MCFARLAN & CO.'S DETROIT STREET ADDITION NORTH 60 FT OF E 92 FT OF LOT 1, BLK 5
40-12-256-011	1137 Avenue B	5/50	MCFARLAN & CO.'S DETROIT STREET ADDITION N 27-1/2 FT OF LOT 3 AND S 10 FT OF E 92 FT OF LOT 1, BLK 5
40-12-256-012	1133 Avenue B	5/50	MCFARLAN & CO.'S DETROIT STREET ADDITION S 37-1/2 FT OF LOT 3, BLK 5.
41-30-277-007	4401 Milton	5/50	DIXIELAND LOT 163.
41-30-276-018	4322 Milton	5/50	DIXIELAND LOTS 117 THRU 120 INCL.
41-30-226-013	VL Pengelly	5/50	DIXIELAND LOT 466.
41-30-226-014	3917 Pengelly	5/50	DIXIELAND LOT 464 AND 465.
41-30-226-015	VL Pengelly	Brownfield	DIXIELAND LOT 463.
41-30-226-017	VL Pengelly	Brownfield	DIXIELAND LOT 462.

OPTION AGREEMENT

Genesee County Land Bank Authority, of Flint, Michigan, 452 S. Saginaw St. 2nd Floor, Flint, MI 48502, (the "Seller"), and Norstar Development USA L.P., 733 Broadway, Albany, NY 12207 (the "Buyer") enter into this Option Agreement (the "Option") subject to the following conditions:

1. Grant of the Option. In consideration of Two Thousand two-hundred forty (\$2,240.00) Dollars paid by the Buyer to the Seller, receipt of which the Seller acknowledges, the Seller grants the Buyer an exclusive option to purchase, upon the terms and conditions hereinafter set forth, the real property described in the attached Exhibit A, (collectively the "Property", which consists of several individual parcels), with all easements, rights, and appurtenances. The option price is non-refundable. The Option may be exercised by the Buyer at any time prior to 4:00p.m. on March 30, 2020. During the term of this Option, the Buyer may undertake any inspections, testing and other due diligence activities upon written notice to the Seller. The purchase Option may at the sole discretion of the Land Bank and, in whole or in part, be extended for up to two Twelve (12) Month periods for an additional, non-refundable \$2,240 per extension by giving a written request at least thirty (30) days prior to the expiration of the Option to the Land Bank that contains the following: (1) necessity of the extension (2) documentation that progress has been made towards securing funding including applications for state and federal subsidy, market studies demonstrating feasibility and related development information, (3) a letter of support from the Mayor of the City of Flint, and (4) documentation that the planned development is consistent with the use approved by the Land Bank's Board of Directors.

The Buyer and Seller also understand that the parcels listed in Exhibit B were assisted using grant funding from the Michigan State Housing Development Authority (MSHDA) under the federal Neighborhood Stabilization Program or Help for the Hardest Hit programs, and this agreement is conditioned upon release from those programs and/or any restrictions as may be required to satisfy any conditions under those programs.

2. Purchase price. If exercised within the first year, the total purchase price for the parcels under this Option is set at Twenty Two Thousand Four Hundred Dollars (\$22,400). If exercised after March 30, 2020, the price will be set at fair market value, as determined by a real estate broker or appraiser to be obtained by the Land Bank. The price is exclusive of all fees and taxes due and payable for each of the properties as stated on Exhibit A. The balance of the purchase price and fees shall be paid in full at the closing with certified funds. The consideration for this Option shall be credited to the purchase price for the properties at the closing if the Buyer exercises the option.
3. Exercise of the Option. The Buyer may exercise this Option by giving written notice signed by the Buyer to the Seller at its address stated above, including any written documentation associated with any contingencies outlined in Section 1 as well as, (1) Site Plan Approval from the City of Flint, (2) letters of commitment for development financing, and (3) a letter of support from the City of Flint Planning Department, and (4) Final approval by the Land Bank of all

documentation as required in the GCLBA's policies and procedures. The notice must be in writing signed by the Buyer and received by the Seller before this Option expires. It is understood by all parties that all parcels on Exhibit A may not be approved for closing at the same time. As such the Buyer may exercise its option on some or all of the parcels throughout the term of the agreement. The terms and conditions outlined in this Option will remain in full effect for any parcels not purchased until the expiration of the Option.

4. Failure to exercise the Option. If the Buyer fails to properly exercise this Option before this agreement expires, this Option shall terminate and the Seller may retain Two Thousand Two Hundred Forty (\$2,240.00) Dollars consideration and shall have no further obligation to the Buyer.

5. Closing. The land bank or its agent will prepare closing documents no later than 10 business days after receiving written notification from the Buyer that the Option is being exercised. This sale shall be closed within 10 days after all the closing documents are prepared but no later than 30 days after the Seller receives the notice that the Commitment of Title Insurance has been issued. The cost of Title Insurance will be the responsibility of the Buyer.

6. The closing and preparations for the closing. If the Buyer exercises the Option, the following obligations shall be performed by the closing:

a. The Seller shall prepare the necessary conveyance documents to transfer its title to the Buyer and forward them to the Buyer for the Buyer's review before the scheduled date of the closing.

b. The closing shall be held at the Seller's offices as stated in this Option agreement unless the parties mutually agree on some other location.

c. All real estate taxes owing if any on the Property shall be prorated between the Buyer and the Seller according to the calendar year, under the assumption that taxes are collected in arrears to cover the calendar year in which they become due and payable. For any outstanding assessments on the Property that are paid in annual installments, the annual installment for the year in which the closing is held shall be prorated between the parties, and all successive installments shall be paid by the Buyer.

7. Maintenance. The Buyer agrees that the Property must be maintained in the following manner by the buyer or their designee:

a. The Buyer's obligations are as follows:

i. Take action to insure that nothing is done which might place Seller in violation of applicable building, housing, zoning, and health codes and regulations.

ii. Keep the Property clean and sanitary, removing garbage and trash as it accumulates, and the lawn maintained.

iii. Operate all equipment in a reasonable, safe manner as defined under state and local laws and ordinances.

b. The Buyer is permitted to make improvements to the Property relating to lawn maintenance, gardening or landscaping.

c. Any other improvement to the Property, or removal of Seller's property, including trees, or alterations shall not be made without the prior consent of the Seller.

d. The Seller makes no representation or warranty about the content or condition of the Property or its fitness for any particular use.

e. Seller has the right of emergency access to the Property at any time.

- f. Buyer agrees to accept the Property in its current condition, clean and maintain the Property during the term of this Option.

If maintenance terms are not followed, the Seller may upon written notification cancel this option and retain the \$2,240 deposit to offset maintenance costs.

8. Release of Liability. The Buyer agrees to indemnify and hold harmless the Seller, Genesee County, and the their respective Board of Commissioners and Board of Directors, their administrators, agents, and employees from any and all liability for property damage and/or bodily injury to anyone or anything that arises from or is caused by actions or omissions taken in furtherance of the execution of the execution of this Option. The Buyer understands that the property may be in poor condition and presents potential hazards and assumes all risks.

9. Environmental Review. Notwithstanding any other provision of this contract, Buyer shall have no obligation to purchase the Property and no transfer of title to the Purchaser may occur, unless written notification has been provided to all parties by the Responsible Entity, as defined by the federal program, showing that: (1) it has completed a federal required environmental review and its request for release of federal funds has been approved and, subject to any other Contingencies in this Contract, (a) the purchase may proceed or (b) the purchaser may proceed only if certain conditions to address issues in the environmental review shall be satisfied before or after the purchase of the property; or (2) it has been determined by the Responsible Entity that the purchase is exempt from federal environmental review and a request for release of funds is not required.

10. Binding effect. This agreement shall bind and benefit the parties' successors and assigns. The Buyer may assign its interest under this agreement only with written consent from the Seller.

11. Construction and venue. This agreement shall be governed by Michigan laws. Any disputes shall be brought in the Courts of Genesee County.

12. Entire agreement. This agreement contains the entire agreement of the parties with respect to the transaction described in this agreement, and this agreement may not be amended or released, in whole or in part, except by a document signed by the parties.

13. Effective date. The effective date of this agreement, i.e., the date on which the timing provisions and contingencies of this agreement begin (the Effective Date), will be the date on which the last person to sign this document will have signed the document. If the parties fail to insert the date they signed this agreement beneath their signatures below, the Effective Date will be the date on which Buyer received a fully executed copy of this document.

Witness



4.4.19
Date

Seller


Michele M. Wildman, Executive Director
Genesee County Land Bank Authority

04/04/2019
Date

Witness

Kristen Higgins

Buyer

[Signature]
Richard L. Higgins, President
Norstar Development USA, L.P.

4/3/2019
Date

4/3/2019
Date

Exhibit A
Please see Attached

Exhibit B

40-12-230-035	463 E Wood St
40-12-276-060	1318 Avenue B
40-12-276-029	1325 Avenue A
40-12-280-026	1125 Avenue A
40-12-280-027	VL Avenue A
40-12-281-063	VL Avenue A
40-12-210-078	1407 Avenue B
40-12-427-032	524 Louisa St
40-12-427-019	913 Root St
40-12-276-041	VL Avenue B

Attachment A

	address	legal	Tax Roll
Block C			
40-12-230-035	463 E Woods St, Flint MI 48503	THE SUBDIVISION OF PART OF SEC 2 OF THE SMITH RESERVATION, SO-CALLED, ADJ THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER, PART OF LOT 3 DESC AS: BEG AT INTERSEC OF W LINE OF AVENUE A WITH N LINE OF WOOD ST; TH NLY ALG SD W LINE 126.8 FT; TH WLY, 85.05 FT; TH SLY 126.8 FT TO A PT ON N LINE OF WOOD ST; TH ELY 85.05 FT TO POB COMB ON 01/30/2012 FROM PT40-12-230-024, PT40-12-230-025, 40-12-230-027, 40-12-230-026;	5/50
Block E			
40-12-276-060	1318 Avenue B, Flint MI 48503	GEO. LADUE'S ADDITION LOT 8 EXC N 20 FT AND LOT 9 COMB ON 10/16/2012 FROM 40-12-276-011, 40-12-276-012;	5/50
40-12-276-029	1325 Avenue A, Flint MI 48503	THE SUBDIVISION OF PART OF SEC 2 OF THE SMITH RESERVATION, SO-CALLED, ADJ THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOTS 7 AND 8 DESC AS BEG AT A PT ON WLY LINE OF AVE A 55.68 FT NLY FROM NE COR OF LOT 1, BLK 2 MCFARLAN & CO.'S DETROIT STREET ADDITION; TH NLY ALG WLY LINE OF AVE A, 55.68 FT; TH WLY = WITH NLY LINE OF SD LOT 1 TO E LINE OF GEO. LADUES ADDITION; TH SLY AT RT ANGLES, 54.68 FT; TH ELY = WITH SD NLY LINE TO POB	5/50
40-12-276-033	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 15 FT OF LOT 1 AND N 19 FT OF LOT 3, BLK 2.	5/50

40-12-276-034	1309 Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION N 37 FT OF S 41 FT OF LOT 3, BLOCK 2.	5/50
40-12-276-048	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 5 1/2 FT OF N 45 FT OF LOT 1, BLK 2	5/50
<i>Block F</i>			
40-12-280-026	1125 Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION N 63 FT OF LOT 5, BLK 6.	5/50
40-12-280-027	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION SOUTH 2 FT OF LOT 5, BLK 6.	5/50
<i>Block G</i>			
40-12-281-063	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOT 12 AND N 19.5 FT OF LOT 14, BLK 7 COMB ON 01/30/2012 FROM 40-12-281-007, 40-12-281-008, PT40-12-281-009; SPLIT ON 10/17/2012 FROM PT40-12-281-061;	5/50
<i>Block M</i>			
40-12-206-047	1529 Avenue B, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE B 100 FT SLY FROM SLY LINE OF MARY ST; TH WLY = WITH SD SLY LINE 165 FT; TH SLY = WITH SD WLY LINE 55 FT; TH ELY = WITH SD SLY LINE 165 FT TO SD WLY LINE; TH NLY 55 FT TO POB; EXC W 60 FT.	Brownfield

40-12-206-048	VL Avenue B, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE B 220 FT NLY FROM NLY LINE OF WOOD ST; TH NLY ALG SD WLY LINE TO A PT 155 FT SLY FROM SLY LINE OF MARY ST; TH WLY = WITH SD SLY LINE TO A PT HALF WAY BET WLY LINE OF AVE B AND ELY LINE OF AVE C; TH SLY = WITH SD WLY LINE TO A PT 220 FT NLY FROM SD NLY LINE; TH ELY TO POB.	Brownfield
40-12-206-049	1519 Avenue B, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE B 192.5 FT NLY FROM NLY LINE OF WOOD ST; TH WLY = WITH SD NLY LINE TO A PT MIDWAY BET WLY LINE OF AVE B AND ELY LINE OF AVE C; TH NLY = WITH SD WLY LINE 27.5 FT; TH ELY = WITH SD NLY LINE TO SD WLY LINE; TH SLY ALG SD WLY LINE 27.5 FT TO BEG.	5/50
Block O			
40-12-210-078	1407 Avenue B, Flint MI 48503	GEO. LADUE'S ADDITION LOTS 14 AND 15 COMB ON 12/19/2011 FROM PT40-12-210-025, 40-12-210-026; COMB ON 10/13/2012 FROM PT40-12-210-068, 40-12-210-027;	5/50
Block Q			
40-12-427-015	520 Louisa St, Flint MI 48503	HAMILTON HOMESTEAD ADDITION E 38 FT OF LOT 13.	Brownfield
40-12-427-032	524 Louisa St, Flint MI 48503	HAMILTON HOMESTEAD ADDITION. LOT 14	5/50
40-12-427-017	VL Louisa St, Flint MI 48503	HAMILTON HOMESTEAD ADDITION LOT 15.	Brownfield
40-12-427-018	VL Louisa St, Flint MI 48503	HAMILTON HOMESTEAD ADDITION N 1/2 OF LOT 16.	5/50

40-12-427-019 <i>Block R</i>	913 Root St, Flint MI 48503	HAMILTON HOMESTEAD ADDITION S 1/2 OF LOT 16 AND N 5 FT OF LOT 17	5/50
40-12-276-020	1212 Avenue B, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOT 10 EXC N 50 FT AND N 1/2 OF LOT 12 BLK 2.	5/50
40-12-276-021	1208 Avenue B, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 1/2 OF LOT 12, BLK 2.	Brownfield
40-12-276-041	VL Avenue B, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION WEST 44 FT OF LOT 14, BLK 2	Brownfield
40-12-276-042	457 Williams St, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOT 14 EXC E 44 FT AND EXC W 44 FT, BLK 2	Brownfield
40-12-276-043 <i>Block S</i>	461 Williams St, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION E 44 FT OF LOT 14, BLK 2	Brownfield
40-12-277-008	VL Avenue A, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. SLY 31 FT OF THE FOIL: BEG AT NW COR OF BLK 1 MCFARLAN & CO.'S DETROIT STREET ADDITION; TH E ALG NLY LINE OF SD BLK, 132 FT; TH N = WITH WLY LINE OF ROOT ST, 90.25 FT; TH W = WITH FIRST LINE TO ELY LINE OF AVENUE A; TH SLY ALG SD ELY LINE TO BEG; BEING PART OF LOT 8.	5/50
40-12-277-009	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOTS 1 AND A, BLK 1.	5/50
40-12-277-010	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOTS 2 AND B EXC. S 20 FT, BLK 1.	5/50
40-12-277-011	1306 Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 20 FT OF LOTS 2 AND B AND N 20 FT OF LOTS 3 AND C, BLK 1.	5/50
40-12-277-012 <i>Block U</i>	1302 Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 40 FT OF LOTS 3 AND C, BLK 1.	5/50

40-12-234-019	1427 Root St, Flint MI 48503	THE SUBDIVISION OF PART OF SEC 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE AT FLINT RIVER PART OF LOT 8 DESC AS FOLLS: BEG AT SW COR OF WOOD AND ROOT STS; TH WLY ALG S LINE OF WOOD ST 98 FT; TH SLY = TO W LINE OF ROOT ST 66 FT; TH ELY = TO SD S LINE 23 FT; TH NLY = TO SD W LINE 30 FT; TH ELY = TO SD S LINE 75 FT TO SD W LINE; TH NLY 36 FT TO BEG COMBINED ON 01/03/2018 FROM 40-12-234-012, 40-12-234-011;	5/50
Block P			
40-12-256-016	VL Avenue 8, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION E 52 FT OF N 44 FT OF LOT 10, BLK 5.	5/50
40-12-256-017	1110 M L King Ave, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION SOUTH 21 FT OF LOT 10 AND N 12 FT OF LOT 11, BLK 5.	5/50
40-12-256-008	1114 M L King Ave, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION NORTH 44 FT OF LOT 10 EXC E 52 FT, BLK 5	5/50
40-12-256-007	VL M L King Ave, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOT 9 EXC E 65 FT, BLK 5.	5/50
40-12-256-005	VL M L King Ave, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOT 7 EXC E 104 FT, AND LOT 8 LYING S OF LINE BET NE COR OF LOT 8 AND A PT ON E LINE OF DETROIT ST, 39 FT NWLY FROM SW COR OF LOT 8, BLK 5.	5/50
Block I			

40-12-236-004	VL Chippewa St, Flint MI 48503	<p>THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER PART OF LOT 9 DESC AS; BEG AT A PT IN E LINE OF CHIPPEWA ST, 132 FT SLY FROM S LINE OF WOOD ST; TH NLY ALONG SD E LINE 42 FT; TH ELY PARL WITH SD S LINE 66 FT; TH SLY PARL WITH SD E LINE 10 FT; TH ELY PARL WITH SD S LINE 15 FT; TH SLY PARL WITH SD E LINE 32.15 FT; TH WLY 81 FT TO POB.</p>	5/50
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AMENDMENT TO OPTION AGREEMENT

This Option Agreement Amendment is made and entered into effective April ____, 2020 by and between the Genesee County Land Bank Authority and Norstar Development USA L.P.

WHEREAS the Genesee County Land Bank Authority ("Seller") and Norstar Development USA L.P. ("Buyer") entered into an Option Agreement on April 4, 2019 to purchase property described in Exhibit A of the Option Agreement.

WHEREAS Seller and Buyer desire to amend the Option Agreement as set forth herein.

NOW, THEREFORE the parcels listed in Exhibit B will be assigned to Clark Commons II Limited Dividend Housing Association, LLC and the parcels listed in Exhibit C will be assigned to Clark Commons III Limited Dividend Housing Association, LLC.

THEREFORE, parcel 40-12-230-035, 40-12-276-060, 40-12-281-063, 40-12-234-019, 40-12-256-016, 40-12-256-017, 40-12-256-008, 40-12-256-007, and 40-12-256-005 will be removed from the Option.

THEREFORE, parcel 40-12-236-003, 40-12-236-002, 40-12-230-013, 40-12-427-001, 40-12-427-002, 40-12-427-003, and 40-12-427-013 more thoroughly described in Exhibit C, will be added to the Option.

THEREFORE, the Purchase price for Clark Commons II Limited Dividend Housing Association, LLC will be Five Thousand Four Hundred Fifty Dollars (\$5,450). The deposit for the Option Agreement (\$2,240) will be credited towards phase II. The Purchase price for Clark Commons III Limited Dividend Housing Association, LLC will be Fourteen Thousand Dollars (\$14,000) with the consideration from this Amendment (\$2,240) being credited towards phase III.

THEREFORE, the Option Agreement deadline to execute will be extended from March 30, 2020 to March 30, 2021 for the consideration of Two Thousand Two Hundred Forty Dollars (\$2,240) paid by the Buyer to the Seller, receipt of which the Seller acknowledges.

All other provisions and conditions in the Option Agreement and first amendment remain in full force and effect and unchanged except as provided herein.

This amendment may be executed in any number of counterparts with the same effect as if all signing parties have signed the same document.

Witness

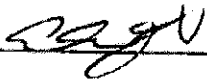
Date 4.7.20

Seller

Dawn Everett
Dawn Everett, Sales and Development Manager
Genesee County Land Bank Authority

Date 04-07-2020

Witness



Date 4/6/20

Witness




Date 4/6/20

Witness



Date 4/6/20


Buyer



Richard L. Higgins, on behalf of
Norstar Development USA, L.P.

Date 4/6/20


Buyer



Richard L. Higgins, on behalf of
Clark Commons II Limited Dividend Housing
Association, LLC

Date 4/6/20

Buyer



Richard L. Higgins, on behalf of
Clark Commons III Limited Dividend Housing
Association, LLC

Date 4/6/20

Exhibit B

Assigned to Clark Commons II LDHA, LLC

Parcel	Address	legal description	tax designation
40-12-276-029	1325 Avenue A, Flint MI 48503	THE SUBDIVISION OF PART OF SEC 2 OF THE SMITH RESERVATION, SO-CALLED, ADJ THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOTS 7 AND 8 DESC AS BEG AT A PT ON WLY LINE OF AVE A 55.68 FT NLY FROM NE COR OF LOT 1, BLK 2 MCFARLAN & CO.'S DETROIT STREET ADDITION; TH NLY ALG WLY LINE OF AVE A, 55.68 FT; TH WLY = WITH NLY LINE OF SD LOT 1 TO E LINE OF GEO. LADUES ADDITION; TH SLY AT RT ANGLES, 54.68 FT; TH ELY = WITH SD NLY LINE TO POB	5/50
40-12-276-033	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 15 FT OF LOT 1 AND N 19 FT OF LOT 3, BLK 2.	5/50
40-12-276-034	1309 Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION N 37 FT OF S 41 FT OF LOT 3, BLOCK 2.	5/50
40-12-276-048	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 5 1/2 FT OF N 45 FT OF LOT 1, BLK 2	5/50
40-12-210-078	1407 Avenue B, Flint MI 48503	GEO. LADUES ADDITION LOTS 14 AND 15 COMB ON 12/19/2011 FROM PT40-12-210-025, 40-12-210-026; COMB ON 10/13/2012 FROM PT40-12-210-068, 40-12-210-027;	5/50
40-12-276-020	1212 Avenue B, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOT 10 EXC N 50 FT AND N 1/2 OF LOT 12 BLK 2.	Brownfield
40-12-276-021	1208 Avenue B, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 1/2 OF LOT 12, BLK 2.	Brownfield
40-12-276-041	VL Avenue B, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION WEST 44 FT OF LOT 14, BLK 2	Brownfield
40-12-276-042	457 Williams St, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOT 14 EXC E 44 FT AND EXC W 44 FT, BLK 2	Brownfield
40-12-276-043	461 Williams St, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION E 44 FT OF LOT 14, BLK 2	Brownfield

Exhibit C
Assigned to Clark Commons III LPDA, LLC

40-12-236-004	VL Chippewa St, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER PART OF LOT 9 DESC AS: BEG AT A PT IN E LINE OF CHIPPEWA ST, 132 FT SLY FROM S LINE OF WOOD ST; TH NLY ALONG SD E LINE 42 FT; TH ELY PARL WITH SD S LINE 66 FT; TH SLY PARL WITH SD E LINE 10 FT; TH ELY PARL WITH SD S LINE 15 FT; TH SLY PARL WITH SD E LINE 32.15 FT; TH WLY 81 FT TO POB.	5/50
40-12-230-013	VL E Wood	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJ THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER PART OF LOT 3 DESC AS BEG AT A PT ON NLY LINE OF WOOD ST, 36 FT ELY OF ELY LINE OF AVE B; TH NLY = WITH SD ELY LINE 80 FT; TH ELY = WITH SD NLY LINE 36 FT; TH SLY = WITH SD ELY LINE 80 FT TO SD NLY LINE; TH WLY TO POB	5/50
40-12-236-002	VL E Wood	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 9 DESC AS: BEG AT INTERSEC OF SLY LINE OF WOOD ST WITH ELY LINE OF CHIPPEWA ST; TH SLY ALG ELY LINE OF CHIPPEWA ST, 58 FT; TH ELY = WITH WOOD ST 66 FT; TH NLY = WITH CHIPPEWA ST 58 FT TO SLY LINE OF WOOD ST; TH WLY 66 FT TO BEG.	5/50
40-12-236-003	VL Chippewa	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 9, BEG AT A PT IN E LINE OF CHIPPEWA ST 58 FT SLY FROM S LINE OF WOOD ST; TH SLY ALG SD E LINE 32 FT; TH ELY = WITH SD S LINE 66 FT; TH NLY = WITH SD E LINE 32 FT; TH WLY TO BEG.	5/50

40-12-280-026	1125 Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION N 63 FT OF LOT 5, BLK 6.	5/50
40-12-280-027	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION SOUTH 2 FT OF LOT 5, BLK 6.	5/50
40-12-206-047	1529 Avenue B, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE B 100 FT SLY FROM SLY LINE OF MARY ST; TH WLY = WITH SD SLY LINE 165 FT; TH SLY = WITH SD WLY LINE 55 FT; TH ELY = WITH SD SLY LINE 165 FT TO SD WLY LINE; TH NLY 55 FT TO POB; EXC W 60 FT.	Brownfield
40-12-206-048	VL Avenue B, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE B 220 FT NLY FROM NLY LINE OF WOOD ST; TH NLY ALG SD WLY LINE TO A PT 155 FT SLY FROM SLY LINE OF MARY ST; TH WLY = WITH SD SLY LINE TO A PT HALF WAY BET WLY LINE OF AVE B AND ELY LINE OF AVE C; TH SLY = WITH SD WLY LINE TO A PT 220 FT NLY FROM SD NLY LINE; TH ELY TO POB.	Brownfield
40-12-206-049	1519 Avenue B, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT ON WLY LINE OF AVE B 192.5 FT NLY FROM NLY LINE OF WOOD ST; TH WLY = WITH SD NLY LINE TO A PT MIDWAY BET WLY LINE OF AVE B AND ELY LINE OF AVE C; TH NLY = WITH SD WLY LINE 27.5 FT; TH ELY = WITH SD NLY LINE TO SD WLY LINE; TH SLY ALG SD WLY LINE 27.5 FT TO BEG.	Brownfield
40-12-427-015	520 Louisa St, Flint MI 48503	HAMILTON HOMESTEAD ADDITION E 38 FT OF LOT 13.	Brownfield
40-12-427-032	524 Louisa St, Flint MI 48503	HAMILTON HOMESTEAD ADDITION, LOT 14	Brownfield
40-12-427-017	VL Louisa St, Flint MI 48503	HAMILTON HOMESTEAD ADDITION LOT 15.	Brownfield

40-12-427-018	VL Louisa St, Flint MI 48503	HAMILTON HOMESTEAD ADDITION N 1/2 OF LOT 16.	Brownfield
40-12-427-019	913 Root St, Flin tMI 48503	HAMILTON HOMESTEAD ADDITION S 1/2 OF LOT 16 AND N S FT OF LOT 17	Brownfield
40-12-277-008	VL Avenue A, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. SLY 31 FT OF THE FOLL: BEG AT NW COR OF BLK 1 MCFARLAN & CO.'S DETROIT STREET ADDITION; TH E ALG NLY LINE OF SD BLK, 132 FT; TH N = WITH WLY LINE OF ROOT ST, 90.25 FT; TH W = WITH FIRST LINE TO ELY LINE OF AVENUE A; TH SLY ALG SD ELY LINE TO BEG; BEING PART OF LOT 8.	5/50
40-12-277-009	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOTS 1 AND A, BLK 1.	5/50
40-12-277-010	VL Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION LOTS 2 AND B EXC. S 20 FT, BLK 1.	5/50
40-12-277-011	1306 Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 20 FT OF LOTS 2 AND B AND N 20 FT OF LOTS 3 AND C, BLK 1.	5/50
40-12-277-012	1302 Avenue A, Flint MI 48503	MCFARLAN & CO.'S DETROIT STREET ADDITION S 40 FT OF LOTS 3 AND C, BLK 1.	5/50

40-12-427-001	VL Louisa St, Flint MI 48503	<p>PART OF LOT 18 OF THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER: BEG AT NWLY COR OF LOT 12 OF HAMILTON HOMESTEAD ADDITION; TH SELY ALG SWLY LINE OF SD LOT 66 FT; TH WLY 132 FT TO NWLY COR OF LOT 11 OF SD ADDITION; TH NWLY ALG NELY LINE OF DETROIT ST. 66 FT TO SLY LINE OF LOUISA ST.; TH ELY ALG SD SLY LINE 132 FT TO BEG; EXC BEG AT A PT ON NLY LINE OF SD LOT 11, 72 FT ELY FROM NWLY COR OF SD LOT; TH ELY ALG SD NLY LINE AND ITS ELY EXT. 60 FT TO SWLY LINE OF SD LOT 12; TH NWLY ALG SD SWLY LINE 30.83 FT; TH SELY ON A DEF. ANG TO THE LEFT OF 165 DEG 17' 26 SEC, A DIST OF 18.17 FT; TH SWLY 50 FT TO POB; ALSO A CONTIG PART OF LOT 12 OF SD ADDITION: BEG AT NWLY COR OF SD LOT; TH SELY ALG SWLY LINE OF SD LOT 35.17 FT; TH NLY TO A PT ON NLY LINE OF SD LOT, 9 FT ELY FROM BEG; TH WLY ALG SD NLY LINE 9 FT TO BEG; ALSO PART OF LOT 11 OF SD ADDITION: BEG AT NWLY COR OF SD LOT; TH SELY ALG NELY LINE OF DETROIT ST., 15 FT; TH NELY TO A PT ON NLY LINE OF SD LOT, 72 FT ELY FROM BEG; TH WLY ALG SD NLY LINE 72 FT TO BEG</p>	Brownfield
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40-12-427-002	916 M L King Ave, Flint MI 48503	HAMILTON HOMESTEAD ADDITION. LOT 11 EXC A WEDGE SHAPE PIECE OF LAND COM AT A PT ON THE E LINE OF DETROIT ST, 15 FT SLY FROM THE INT OF THE E LINE OF DETROIT ST WITH THE N LINE OF SD LOT; TH NLY ALG THE E LINE OF DETROIT ST, TO SD INT; TH ELY ALG THE N LINE OF SD LOT, 72 FT; TH WLY TO POB, ALSO A PAR OF LAND DESC AS FOLLS: COM AT A PT ON THE N LINE OF LOT 11, 72 FT E OF THE E LINE OF DETROIT ST; TH ELY ALG THE N LINE OF LOT 11, 52 FT; TH NLY ALG A LINE INT N LINE OF LOT 12, 10 FT E OF ITS NW COR, 10 FT; TH WLY IN A DIRECT LINE, 50 FT TO POB.	Brownfield
40-12-427-003	912 M L King Ave, Flint MI 48503	HAMILTON HOMESTEAD ADDITION LOT 10.	Brownfield
40-12-427-013	VL Louise St, Flint MI 48503	LOT 13 OF HAMILTON HOMESTEAD ADDITION EXC ELY 38 FT; ALSO LOT 12 EXC. BEG AT NWLY COR OF SD LOT; TH SELY ALG SWLY LINE OF SD LOT 35.17 FT; TH NLY TO A PT ON NLY LINE OF SD LOT, 9 FT ELY FROM BEG; TH WLY ALG SD NLY LINE 9 FT TO BEG; ALSO A CONTIG PART OF LOT 18 OF THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. BEG AT A PT ON NLY LINE OF LOT 11 OF SD ADDITION 124 FT ELY FROM NWLY COR OF SD LOT; TH ELY ALG SD NLY LINE AND ITS ELY EXT., 8 FT TO SWLY LINE OF LOT 12 OF SD ADDITION; TH NWLY ALG SD SWLY LINE 30.83 FT; TH SELY ON A DEFL ANG TO THE LEFT OF 165 DEG 17' 26 SEC A DIST OF 28.17 FT TO BEG.	Brownfield

SECOND AMENDMENT TO OPTION AGREEMENT

This Option Agreement Amendment is made and entered into effective May __, 2020 by and between the Genesee County Land Bank Authority and Norstar Development USA L.P.

WHEREAS the Genesee County Land Bank Authority ("Seller") and Norstar Development USA L.P. ("Buyer") entered into an Option Agreement on April 4, 2019 to purchase property described in Exhibit A of the Option Agreement and executed an amendment on April 7, 2020.

WHEREAS Seller and Buyer desire to amend the Option Agreement as set forth herein.

NOW, THEREFORE parcel 40-12-236-005, more thoroughly describe in Exhibit D, will be added to the option and assigned to Clark Commons III Limited Dividend Housing Association, LLC.

THEREFORE, the Purchase price for Clark Commons III Limited Dividend Housing Association, LLC will be Fifteen Thousand Nine Hundred Forty Five Dollars (\$15,945).

All other provisions and conditions in the Option Agreement and first amendment remain in full force and effect and unchanged except as provided herein.

This amendment may be executed in any number of counterparts with the same effect as if all signing parties have signed the same document.

Witness

Renee A. [Signature]

Date 5-29-2020

Seller

Dawn W. Everett
Dawn Everett, Sales and Development Manager
Genesee County Land Bank Authority

Date 5-29-2020

Witness

[Signature]

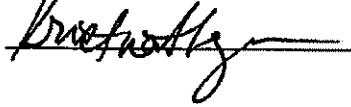
Date 5/19/20

Buyer

[Signature]
Richard L. Higgins, on behalf of
Norstar Development USA, L.P.

Date 5/19/20

Witness



Buyer



Richard L. Higgins, on behalf of
Clark Commons III Limited Dividend Housing
Association, LLC

Date 5/19/20

Date 5/19/20

Exhibit D

1425 N Saginaw St
Flint MI, 48503

PID 40-12-236 005 (5/50)

Legal Description

THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER PART OF LOT 9 DESC AS; BEG AT INTERSEC OF SLY LINE OF WOOD ST AND WLY LINE OF SAGINAW ST; TH SLY ALONG WLY LINE OF SAGINAW ST, 66 FT; TH WLY PARL WITH SLY LINE OF WOOD ST, 132.15 FT; TH SLY PARL WITH WLY LINE OF SAGINAW ST, 66.08 FT; TH WLY PARL WITH SLY LINE OF WOOD ST, 51 FT; TH NLY PARL WITH WLY LINE OF SAGINAW ST, 32.12 FT; TH WLY PARL WITH SLY LINE OF WOOD ST, 15.25 FT; TH NLY PARL WITH WLY LINE OF SAGINAW ST, 100.23 FT TO SLY LINE OF WOOD ST; TH ELY ALONG SLY LINE OF WOOD ST, 198.2 FT TO POB.

THIRD AMENDMENT TO OPTION AGREEMENT

This Option Agreement Amendment is made and entered into on the Effective Date set forth on the signature page below, by and between the Genesee County Land Bank Authority and Norstar Development USA L.P.

WHEREAS the Genesee County Land Bank Authority ("Seller") and Norstar Development USA L.P. ("Buyer") entered into an Option Agreement on April 4, 2019 to purchase property described in Exhibit A of the Option Agreement and executed an amendment on April 7, 2020 and another on May 29, 2020.

WHEREAS Seller and Buyer desire to amend the Option Agreement as set forth herein.

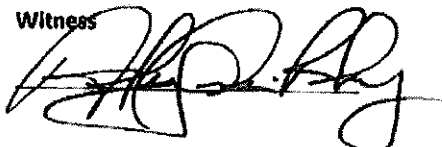
NOW, THEREFORE parcel 40-12-230-001, 40-12-230-002, and 40-12-230-029, more thoroughly describe in Exhibit D, will be added to the option and assigned to Clark Commons III Limited Dividend Housing Association, LLC.

THEREFORE, the Purchase price for Clark Commons III Limited Dividend Housing Association, LLC will be Seventeen Thousand Two Hundred Ninety Five Dollars (\$16,495).

All other provisions and conditions in the Option Agreement and first amendment remain in full force and effect and unchanged except as provided herein.

This amendment may be executed in any number of counterparts with the same effect as if all signing parties have signed the same document.

Witness



Date

8/26/20

Seller

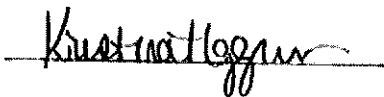


Michael Freeman, Executive Director
Genesee County Land Bank Authority

Date

8/26/20

Witness



Date

8/26/2020

Buyer



Richard L. Higgins, on behalf of
Norstar Development USA, L.P.

Date

8/26/2020

Witness

[Signature]

Buyer

[Signature]
Richard L. Higgins, on behalf of
Clark Commons III Limited Dividend Housing
Association, LLC

Date 8/20/2020

Date 8/20/2020

Exhibit D

40-12-230-001	1536 Avenue B, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER PART OF LOT 3 DESC AS BEG AT INTERSEC OF SLY LINE OF MARY ST AND ELY LINE OF AVE B; TH ELY ON SD SLY LINE 70 FT; TH SLY = WITH SD ELY LINE 50 FT; TH WLY = WITH SD SLY LINE 70 FT TO SD ELY LINE; TH NLY 50 FT TO BEG	Brownfield
40-12-230-002	VL Mary St, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS BEG AT A PT IN SLY LINE OF MARY ST, 112.65 FT WLY FROM WLY LINE OF AVE A; TH WLY ALG SD SLY LINE TO A PT 70 FT ELY FROM ELY LINE OF AVE B; TH SLY = WITH SD ELY LINE 50 FT; TH ELY = WITH SD SLY LINE TO A PT 132 FT E OF SD ELY LINE; TH NLY TO BEG.	Brownfield
40-12-230-029	1530 Avenue B, Flint MI 48503	THE SUBDIVISION OF PART OF SECTION 2 OF THE SMITH RESERVATION, SO-CALLED, ADJOINING THE VILLAGE OF GRAND TRAVERSE, AT FLINT RIVER. PART OF LOT 3 DESC AS: BEG AT A PT ON ELY LINE OF AVENUE B, 84.0 FT SLY FROM SLY LINE OF MARY ST; TH SLY ALG SD ELY LINE, 37.62 FT TO A PT 316 FT NLY FROM NLY LINE OF WOOD ST; TH ELY = WITH SLY LINE OF MARY ST., 132.01 FT TO A PT 316.0 FT NLY FROM NLY LINE OF WOOD ST; TH NLY = WITH ELY LINE OF AVENUE B, 38.32 FT; TH WLY = WITH SLY LINE OF MARY ST, 132 FT TO P.O.B.	5/50

FOURTH AMENDMENT TO OPTION AGREEMENT

This Option Agreement Amendment is made and entered into on the Effective Date set forth on the signature page below, by and between the Genesee County Land Bank Authority and Norstar Development USA L.P.

WHEREAS the Genesee County Land Bank Authority ("Seller") and Norstar Development USA L.P. ("Buyer") entered into an Option Agreement on April 4, 2019 to purchase property described in Exhibit A of the Option Agreement and executed an amendment on April 7, 2020, another on May 29, 2020, and another on August 26, 2020.

WHEREAS Seller and Buyer desire to amend the Option Agreement as set forth herein.

NOW THEREFORE, the Option Agreement deadline to execute will be extended from March 30, 2021 to March 30, 2022 for the consideration of Two Thousand Two Hundred Forty Dollars (\$2,240) paid by the Buyer to the Seller, receipt of which the Seller acknowledges.

All other provisions and conditions in the Option Agreement and first, second and third amendments remain in full force and effect and unchanged except as provided herein.

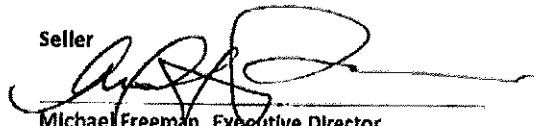
This amendment may be executed in any number of counterparts with the same effect as if all signing parties have signed the same document.

Witness



Date 1/26/2021


Seller



Michael Freeman, Executive Director
Genesee County Land Bank Authority

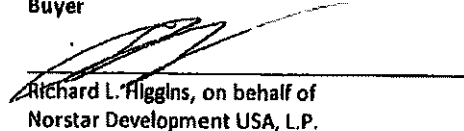
Date 1/26/21

Witness



Date 1/25/2021

Buyer



Richard L. Higgins, on behalf of
Norstar Development USA, L.P.

Date 1/25/2021

Witness

Richard L. Higgins

Date 1/25/2021

Buyer

Richard L. Higgins, on behalf of
Clark Commons III Limited Dividend Housing
Association, LLC

Date 1/25/2021

**STATE LAND BANK AUTHORITY
OPTION TO PURCHASE**

This Option Agreement (the "Agreement") is entered into as of July 22, 2020, between THE STATE OF MICHIGAN, by its STATE LAND BANK AUTHORITY, a public body corporate and politic, 111 S. Capitol Street, 5th Floor, Romney Building, Lansing, Michigan 48933 (the "Seller"), and CLARK COMMONS III LIMITED DIVIDEND HOUSING ASSOCIATION, LLC, a Michigan limited liability company, of 200 S. Division Street, Buffalo, NY 14204 (the "Buyer"), on the terms and conditions set forth below.

1. **Grant of the option.** In consideration of \$100.00 paid by Buyer to Seller, receipt of which Seller acknowledges, Seller grants Buyer an exclusive option to purchase the real property described on the attached Exhibit A, with all easements, rights, and appurtenances (the "Premises"). The option shall remain in effect through November 30, 2021 (the "Option Period") from the effective date of this Agreement, as defined below. Buyer at its sole discretion may extend the Option Period through May 31, 2022 by providing written notice to Seller any time before the end of the then current Option Period along with a \$100.00 nonrefundable deposit to Seller for such extension, however such deposit shall constitute a credit against the Purchase Price at closing.
2. **Purchase price.** The purchase price for the Premises under this option is \$1,500.00. The purchase price shall be paid in full at the closing with certified funds. The consideration for this Agreement shall be credited to the purchase price for the Premises at the closing if Buyer exercises the option.
3. **Exercise of the option.** Buyer may exercise the option by giving written notice to Seller at PO Box 30766, Lansing, Michigan 48909, Attention: Director. The notice must be sent by certified mail and received by Seller before this option expires.
4. **Failure to exercise the option.** If Buyer fails to properly exercise the option before this Agreement expires, the option shall terminate, and Seller may retain the consideration and shall have no further obligation to Buyer.
5. **Closing.** This sale shall be closed within 10 days after all the closing documents are prepared but no later than 45 days after Seller receives the notice that Buyer is exercising the option.
6. **Inspections.** It is understood and agreed that during the contract period for the Premises Buyer and its designees shall have the right to enter the Premises to conduct environmental tests, soils tests, or any other such investigation as deemed necessary by Buyer all at Buyer's sole discretion and expense. Buyer hereby releases Seller of any and all liability associated with entry and inspection, and warrants that it will comply with applicable regulations regarding environmental and other matters. Buyer will indemnify and hold harmless Seller from any claims, damages or causes of action which might occur as a result of Buyer's activities on the Premises and Buyer shall restore the Premises to the condition existing before said test or investigations were conducted.
7. **Environmental.** Buyer agrees that the Seller assumes no liability or responsibility for the presence of any toxic, hazardous, polluting or injurious substances on, in, or below the Premises. Except as expressly stated herein, Seller makes no representations as to any toxic, hazardous, polluting or injurious substances on, in, or below the Premises or any property adjacent to the Premises.

- a. Buyer agrees to take no administrative, judicial or other legal action against the Seller because of the existence or discovery of any toxic, hazardous, polluting or injurious substances. Actions include, but are not limited to, any action for contribution, cost recovery, third party action, injunctive relief to compel the Seller to investigate or take remedial action, declaratory relief, damages, or any action associated with any obligations the Buyer may have to comply with federal, state or local law in conjunction with the investigation, removal, or abatement of any toxic, hazardous, polluting or injurious substance, including but not limited to asbestos or asbestos-containing materials. Buyer agrees to release and hold harmless the Seller from any and all existing and future claims related to the existence or discovery of any toxic, hazardous, polluting or injurious materials in, on, below or emanating from the Premises.
 - b. Buyer agrees to indemnify the Seller and to hold the Seller harmless if any hazardous, polluting, injurious, or toxic substances exist, are discovered in, on, below, or emanating from the Premises or their condition is exacerbated by the Buyer.
8. **Survey/Title.** Buyer may, at Buyer's sole expense, obtain a survey (the "Survey") of the Premises which shall be certified to the Seller. Buyer may, at Buyer's sole expense, obtain a title commitment (the "Commitment") of the Premises. Seller has no obligation or duty to correct or cure any defects of title.
9. **The closing and preparations for the closing.** If Buyer exercises the option, the following obligations shall be performed before or at the closing:
 - a. Seller shall prepare the Quit Claim Deed in substantially the form attached as Exhibit B to transfer its title to Buyer and shall forward the Quit Claim Deed to Buyer for Buyer's review at least 10 days before the scheduled date of the closing. All other closing documents will be prepared by the Buyer. All closing costs, title insurance premiums, real estate transfer taxes and assessments, if any, will be paid by Buyer. Each of the parties shall be responsible for its own legal fees.
 - b. The closing shall be held at the Seller's offices as provided in this Agreement, remotely with closing documents exchanged electronically, by mail or other acceptable method, or as the parties may otherwise mutually agree.
 - c. Seller agrees to provide Buyer a Quit Claim Deed in substantially the form attached as Exhibit B. The Seller shall record the Quit Claim Deed.
 - d. All real estate taxes owing on the Premises shall be prorated between Buyer and Seller according to the calendar year method, under the assumption that taxes are collected in arrears, to cover the calendar year in which they become due and payable.
 - e. The execution and delivery of the Quit Claim Deed by the Seller will be deemed to be in full performance and discharge of all the terms and conditions of this Agreement to be observed or performed by Seller, except those that are stated expressly to survive the closing.
10. **Binding effect.** This Agreement shall bind and benefit the parties' successors and assigns. Buyer may assign its interest under this Agreement only with Seller's written consent.

11. **Construction and venue.** This Agreement is governed by, and construed in accordance with, the laws of the State of Michigan, and no action will be commenced against Seller, its designee, agents or employees for any matter whatsoever arising out of this Agreement in any courts other than the Michigan Court of Claims.
12. **Brokers.** There are no real estate brokers associated with this transaction. Buyer agrees to hold Seller harmless and to defend Seller against such claims for any commission.
13. **Entire agreement.** This Agreement, together with Exhibits A and B, contains the entire agreement of the parties regarding the transaction described in this Agreement, and this Agreement may not be amended or released, in whole or in part, except by a document signed by both parties.
14. **"AS IS" Transaction.** BUYER ACKNOWLEDGES THAT SELLER DOES NOT MAKE ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER, EITHER EXPRESS OR IMPLIED, EXCEPT AS EXPRESSLY CONTAINED IN THIS AGREEMENT WITH RESPECT TO THE PREMISES OR ANY RELATED MATTERS AND THAT THE PREMISES IS BEING TRANSFERRED TO BUYER IN "AS IS CONDITION, WITH ALL FAULTS." In particular, Seller makes no representations or warranties with respect to the use, physical condition, occupation or management of the Premises, compliance with applicable statutes, laws, codes, ordinances, regulations, or requirements relating to leasing, zoning, subdivision, planning, building, fire, safety, health, or environmental matters, compliance with covenants, conditions and restrictions (whether or not of record), other local, municipal, regional, state or federal requirements, or other statutes, laws, codes, ordinances, regulations, or requirements.


SELLER MAKES NO REPRESENTATIONS OR WARRANTIES AS TO THE ENVIRONMENTAL CONDITION OF THE PREMISES. BUYER WILL RELY SOLELY ON ITS OWN INVESTIGATION AND REVIEW OF THE ENVIRONMENTAL CONDITION OF THE PREMISES AND ANY ENVIRONMENTAL REPORT(S) OR ASSESSMENT(S) OBTAINED BY BUYER IN MAKING ANY DECISIONS REGARDING THE SUITABILITY OF THE PREMISES.

Upon closing, Buyer will be deemed to have accepted the Premises in "as is condition, with all faults," including the location and extent of boundaries, the condition of all improvements, and the environmental condition of the Premises.

15. **Zoning, Safety and Regulatory Compliance.** When title passes to the Buyer at closing, the Premises will immediately become subject to certain State of Michigan (the "State") safety and regulatory laws and to certain local ordinances and regulations (including zoning and use requirements) to which the Premises was not previously subject to because it was owned by the State. Buyer acknowledges that in certain substantial respects the Premises may not comply with such statutes, rules, ordinances and regulations and may have to be substantially altered or repaired to become compliant. Buyer acknowledges that it will comply with all zoning and use requirements. The Buyer acknowledges that the Seller is under no obligation to take any action to bring the Premises into compliance with such statutes, and that the Buyer has had the opportunity to make a personal inspection of the Premises. The Buyer further acknowledges that it is the Buyer's responsibility to consult with all State and local regulatory agencies, which have and will continue to have, or will obtain jurisdiction.

16. **Exhibits.** The following exhibit is attached to and a part of this Agreement:
- o Exhibit A Legal Description of the Premises
 - o Exhibit B—Sample Quit Claim Deed
17. **Counterparts.** This Agreement may be executed in any number of counterparts, each of which will be deemed an original, and all of which when taken together, will constitute the same instrument.
18. **Time of the essence.** Time is of the essence in the performance of this Agreement.
19. **Effective date.** This Agreement shall be effective when all the parties listed below have signed it.

BUYER:
CLARK COMMONS III LIMITED
DIVIDEND HOUSING ASSOCIATION, LLC


By: Richard L Higgins
Its: VP of Managing Member
Dated: July 22, 2020

SELLER:
STATE LAND BANK AUTHORITY

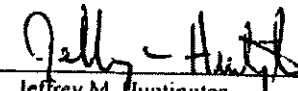

By: Jeffrey M. Huntington
Its: Authorized Officer
Dated: JULY 23, 2020

Exhibit B

Sample Quit Claim Deed

QUIT CLAIM DEED

THE STATE OF MICHIGAN, by the **STATE LAND BANK AUTHORITY**, a Michigan public body corporate and politic d/k/a Michigan Land Bank Fast Track Authority, whose address is 111 S. Capitol Avenue, Lansing, Michigan 48933 (the "Grantor"), by authority of MCL 124.757, quit claims to **APPLICANT NAME**, a Applicant Description, whose address is Applicant Address (the "Grantee"), for Purchase Amount Dollars and Zero Cents (\$Dollar Amount), the following described real property (the "Property") in the City of , County of , State of Michigan, further described as:

Tax ID:

Commonly known as:

Subject to all easements, encumbrances, and restrictions, if any, and including the following:

Grantor reserves to the State of Michigan all aboriginal antiquities including mounds, earthworks, forts, burial and village sites, mines, and other relics, on, within, or under the Property, with power to the State of Michigan, and all others acting under its authority, to enter the Property for any purpose related to exploring, excavating, and taking away aboriginal antiquities.

Grantor reserves to the State of Michigan all rights in minerals, coal, oil, and gas (excluding sand, gravel, or clay) on, within, or under the Property, with power to the State of Michigan, and all others acting under its authority, to enter the Property for any purpose related to accessing, exploring, mining, removing, and storing the minerals, coal, oil, and gas.

The Property may be located within the vicinity of farm land or a farm operation. Generally accepted agricultural and management practices which may generate noise, dust, odors, and other associated conditions may be used and are protected by the Michigan Right to Farm Act, MCL 286.471 *et seq.*

The terms of this conveyance apply to the administrators, successors, and assigns of the parties.

STATE LAND BANK AUTHORITY

By: Jeffrey M. Huntington
Its: Authorized Officer

Date: _____

State of Michigan)
)
County of)

This instrument was acknowledged before me on _____, by Jeffrey M. Huntington, Authorized Officer of the State Land Bank Authority, a Michigan public body corporate and politic, on behalf of the State of Michigan.

Signature _____



Printed Name exactly as it appears on application
for commission as a notary public

Notary Public, State of Michigan, County of _____
My Commission expires: _____
Acting in the County of: _____

This Instrument Drafted By:
Patrick J. Ennis
State Land Bank Authority
P.O. Box 30766
Lansing, Michigan 48909
(517) 335-2930

After Recording, Return to:
Jeffrey M. Huntington, Authorized Officer
State Land Bank Authority
P.O. Box 30766
Lansing, Michigan 48909
(517) 335-8430

**THIS INSTRUMENT IS EXEMPT FROM
THE REAL ESTATE TRANSFER TAX ACT BY MCL 207.505(h)(i)
AND THE STATE REAL ESTATE TRANSFER TAX ACT BY MCL 207.526(h)(i)**

210427

ORDINANCE NO. _____

An ordinance to amend the Code of the City of Flint by amending Chapter 18, Taxation; Funds; Purchasing; Article I, In General; Section 18-4.1, Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons.

IT IS HEREBY ORDAINED BY PEOPLE OF THE CITY OF FLINT:

Sec. 1. That the provisions of Chapter 18, Taxation; Funds; Purchasing; Article I, In General; Section 18-4.1, Service Charge in Lieu of Taxes for Housing Facilities for Certain Persons, shall be amended by adding subsection (GG), which shall read in its entirety as follows:

(GG) THE CITY ACKNOWLEDGES THAT **700 E COURT STREET VILLAGE LOW INCOME HOUSING LIMITED DIVIDEND HOUSING ASSOCIATION LP** (THE "OWNER") HAS OFFERED, SUBJECT TO RECEIPT OF AN AUTHORITY-AIDED OR FEDERALLY-AIDED MORTGAGE LOAN AND/OR ALLOCATION OF LOW INCOME HOUSING TAX CREDITS FROM THE MICHIGAN STATE HOUSING AND DEVELOPMENT AUTHORITY ("MSHDA"), TO OWN AND OPERATE A HOUSING PROJECT IDENTIFIED AS "THE GRAND" (THE "PROJECT") ON CERTAIN PROPERTY LOCATED IN THE CITY TO SERVE PERSONS AND FAMILIES OF LOW INCOME, AND THAT THE SPONSOR HAS OFFERED TO PAY THE CITY ON ACCOUNT OF THIS HOUSING DEVELOPMENT AN ANNUAL SERVICE CHARGE FOR PUBLIC SERVICES IN LIEU OF AD VALOREM TAXES.

THE CITY ACKNOWLEDGES THAT THE SPONSOR SHALL BE AFFORDED TAX BENEFITS OF PAYING A SERVICE CHARGE

IN LIEU OF AD VALOREM TAXES (BUT NOT IN LIEU OF PAYMENT OF SPECIAL ASSESSMENTS INCLUDING, BUT NOT LIMITED TO, THE STREET LIGHTING SPECIAL ASSESSMENT). THE CITY FURTHER ACKNOWLEDGES THAT THE SPONSOR FITS WITHIN THE CLASS AS DESCRIBED IN §18-4.3 BELOW. THE ANNUAL SERVICE CHARGE FOR THE CLASS OF PERSONS OF LOW AND MODERATE INCOME SHALL BE EQUAL TO FOUR PERCENT (4%) OF THE ANNUAL SHELTER RENTS, EXCLUSIVE OF CHARGES FOR GAS, ELECTRICITY, HEAT, OR OTHER UTILITIES FURNISHED TO THE OCCUPANTS, INCLUDING THE PORTION OF RENT PAYABLE UNDER ANY GOVERNMENTAL SUBSIDY. NOTWITHSTANDING THE FOREGOING, THE ANNUAL SERVICE CHARGE SHALL NOT EXCEED AD VALOREM PROPERTY TAXES THAT WOULD BE ASSESSED OR PAID ABSENT THIS TAX EXEMPTION.

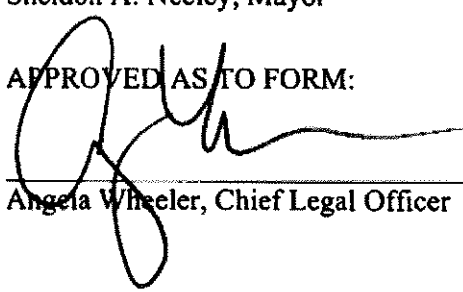
Sec. 2. This ordinance shall become effective immediately upon publication.

Adopted this _____ day of _____,

_____, 2021 A.D.

Sheldon A. Neeley, Mayor

APPROVED AS TO FORM:



Angela Wheeler, Chief Legal Officer

ORDINANCE REVIEW FORM

FROM: Planning and Development
Department

NO. 21-
Law Office Login #

ORDINANCE NAME: (GG) PILOT ORDINANCE RESOLUTION TO GRANT A FOUR (4%) PAYMENT IN LIEU OF TAXES (PILOT) TO PROJECT KNOWN AS COURT STREET WEST VILLAGE, WHICH WILL PROVIDE AFFORDABLE ASSISTED LIVING ACCOMADATIONS THROUGH MODERNIZATON EFFORTS OF AN EXISTING PROPERTY, WITH A TOTAL OF 119 UNITS OF HOUSING.

1. ORDINANCE REVIEW - DEPARTMENT DIRECTOR

The attached ORDINANCE is approved by the Director of the affected Department. By signing, the Director approves this ordinance to be processed for signatures and fully executed.

By: Director *Suzanne Wilcox*
Suzanne Wilcox (Aug 20, 2021 12:05 EDT)
Suzanne Wilcox, Director, P&D

DATE: August 20, 2021

2. ORDINANCE REVIEW-FINANCE DEPARTMENT

The attached ORDINANCE is submitted to the Finance Department for approval. By signing, the Finance Department approves this ordinance to be processed for signatures and fully executed.

By: *Robert J. F. Widigan*
Robert Widigan, Interim Chief Financial Officer

DATE: August 21, 2021

3. ORDINANCE REVIEW - LAW DEPARTMENT

The attached ORDINANCE is submitted to the Legal Department for approval. By signing, the Legal Department approves this ordinance to be processed for signatures and fully executed.

By: *Angela Wheeler*
Angela Wheeler (Aug 22, 2021 10:13 EDT)
Angela Wheeler, Chief Legal Officer

DATE: 8/22/2021

700 E Court Street Villagers Limited Div, 700 E Court St, Tax vs PILOT Comparison

1) Current taxable value:	\$0	
2) PILOT estimation	\$27,000.00	DIFFERENCE BETWEEN PILOT AND TAXES:
3) Current PILOT	\$22,523.00	\$358,460.75 per year

Based on the Schedule of Rents provided by McFarlan/Court St Village, at 100% occupancy, given its rental rates for households at 30%, 40%, and 60% of AMI, the total annual rent potential for the 119 units is \$385,461.

3) Estimated project ad valorem taxable value:

	One Bedroom	Two Bedroom	Efficiency
Market Rent	\$600	\$800	\$450
Number of Units	73	22	24
	\$43,800	\$17,600	\$10,800

	Monthly Income	\$72,200
	Yearly Income	\$866,400
	Vacancy/Loss (10%)	(\$86,640)
	Potential Gross Income	\$779,760
	Expenses	\$350,892
	Net Operating Income	\$1,130,652
	Cap Rate of 10%	\$11,306,520
	SEV/TV	5,653,260
	Potential Taxes	\$385,461

PAYMENT IN LIEU OF TAXES (PILOT) APPLICATION



**Submitted by
McFarlan Charitable Corporation
for
CO-DEVELOPERS
PRESYTERIAN VILLAGES OF MICHIGAN AND MCFARLAN CHARITABLE CORPORATION
FOR THE
700 E. COURT STREET VILLAGE LIMITED DIVIDEND HOUSING ASSOCIATION LIMITED PARTNERSHIP**

To the

**CITY OF FLINT
1101 S SAGINAW ST.
FLINT, MI 48502**

TEL: 810-766

PURPOSE

To administer the City of Flint Code of Ordinances 18-4.1 to 18-4.8, establishing a class of housing developments pursuant to the State Housing Development Authority Act of 1966, known as Act 436 of the Acts of 1966, being MCLA §§ 125.1401 et seq. , as amended, which are exempt from property taxes, paying instead a service charge to be paid in lieu of taxes (PILOT) by any or all classes of housing exempt from taxation under this Act at any amount it chooses, but not to exceed the taxes that would be paid for if not for this Act.

The City acknowledges that serving persons of low income is a public necessity, and as such the City of Flint will be benefited and improved by such housing, the encouragement of the same by providing certain real estate tax exemption for such housing is a valid public purpose. The applicant for a PILOT is affirming that the economic feasibility of this housing development is reliant on this requested tax exemption.

Furthermore, in considering this application for PILOT, the evaluators of such request shall consider that the community shall be developed in a manner consistent with the adopted Master Plan and Consolidated Action Plan. Evaluation of the application should take into consideration maintaining the overall goals and objectives set forth in these plans.

ELIGIBILITY

- 1) Applicant must be a nonprofit housing corporation, consumer housing cooperative, limited dividend housing corporation, mobile home park cooperative or mobile home park association, and must be financed with a federally aided or Michigan State Housing Development Authority (MSHDA) aided mortgage or advance or grant from MSHDA.

APPLICANT IS A LIMITED DIVIDEND CORPORATION ESTABLISHED BY CODEVELOPERS PRESBYTERIAN VILLAGES OF MICHIGAN AND THE MCFARLAN CHARITABLE CORPORATION

- 2) PILOT has been requested during the planning stage of the project; any development project under construction at the time of application is not eligible to apply for, or to receive, a PILOT.

PILOT IS BEING REQUESTED DURING THE PLANNING PHASE

- 3) The applicant must own the property or have an option or other right to purchase the property under consideration and provide in application.

IN PROCESS

- 4) Housing development must contain a minimum of 51% affordable units.

THE PROJECT WILL CONTAIN 90% AFFORDABLE UNITS

- 5) Project includes a Low-Income Housing Tax Credit (LIHTC) allocation.
THE PURPOSE OF THE PILOT IS TO OBTAIN A LIHTC ALLOCATION FROM MSHDA
- 6) The property is not designated as a Brownfield or 5/50 property or has contacted City to discuss.
THE PROPERTY IS NOT DESIGNATED AS EITHER
- 7) All parcels that are separate have been combined through proper City channels.
THE PARCEL IS A SINGLE LOT

PROCESS

- 1) **Mandatory Pre-Application Conference:** This will be a meeting of all applicable City Departments to include:

City Administrator
City Planner
City Engineer
City Treasurer
City Assessor
Chief Building Official
Community and Economic Development Staff
Representatives of applicant development team

This meeting will serve to familiarize all parties with the scope of the project and any issues that may exist. The applicant will also be familiarized with the PILOT process and policies.

- 2) **Submission of Application:** Application form must be complete and packet of required supporting documentation assembled based upon requirements set forth in the application. Any additional concerns or items that were discussed in the Pre-Application Conference should also be addressed. Application forms are available on both the City of Flint website and in the Department of Community and Economic Development.

One original and one electronic copy shall be submitted no later than seven (7) weeks before the Regular City Council meeting, which are typically held on the 2nd and 4th Mondays of each month.

- 3) **Internal (Administrative) Review:** An internal review will occur, resulting in either administrative approval within three (3) weeks or return to the applicant for corrections.

Applications will be scored on a scoring matrix as attached in this application.

Administrative approval will move the application forward to an ordinance amendment that will be placed on the Government Operation Committee meeting agenda.

- 4) **Council Committee Review:** Meetings are held the Wednesday prior to the Regular City Council meeting. The developer is required to be in attendance at this meeting to answer any questions the committee may have.

5) **Review by City Council:** Once committee approval is obtained, the ordinance amendment will proceed to the following Regular City Council Meeting (the Monday following committee). The developer is required to be in attendance at this meeting.

6) **Approval:** If the PILOT application is approved by resolution of the City Council, a certified copy of the resolution and a copy of the minutes will be provided to the applicant. Additionally, digital copies will be provided to all applicable City Departments.

****Note: All applicants are required to file their MSHDA Affidavit with the City Assessor by November 1 of the year before the PILOT is to take effect.***

APPLICATION REQUIREMENTS

1) Completed Application Form
COMPLETED

2) Narrative:

a. Background information:

i. Development experience of team

SEE EXHIBIT A – DEVELOPMENT EXPERIENCE

ii. Describe the corporate partnership Structure

SEE EXHIBIT B – ORGANIZATION STRUCTURE

b. Describe the proposed Project (include the following sections):

i. Intended usage/target market

ELDERLY INDIVIDUALS NEEDING AFFORDABLE HOUSING AND AFFORDABLE ASSISTED LIVING

ii. Economic impact

DEVELOPMENT COSTS ARE EXPECTED TO BE APPROXIMATELY \$20 MILLION WHICH THE CONSTRUCTION MANAGER ESTIMATES WILL CREATE 48 FULL TIME PREVAILING WAGE JOBS DURING CONSTRUCTION. NO NEW JOBS WILL BE CREATED TO SUPPORT THE REAL ESTATE OPERATIONS. APPROXIMATELY 35 NEW STAFF WILL BE HIRED TO SUPPORT THE ASSISTED LIVING COMPONENT.

iii. Environmental impact (to include any mitigation actions taken)

PHASE 1 ENVIRONMENTAL ASSESSMENTS ARE BEING CONDUCTED PRESENTLY. NO DELETERIOUS IMPACTS ARE EXPECTED. REPORT WILL BE PROVIDED AS SOON AS AVAILABLE

iv. Impact on City infrastructure (transportation and utilities)

ALTHOUGH 13 UNITS WILL BE ADDED BY BREAKING SEVERAL 2 BEDROOM UNITS INTO 1 BEDROOM AND STUDIO APARTMENTS, 35 UNITS WILL BE OCCUPIED BY PERSONS REQUIRING ASSISTED LIVING INCLUDING MEMORY CARE. BY ASSUMING THIS RESPONSIBILITY, IT IS EXPECTED THAT THE IMPACT ON CITY INFRASTRUCTURE WILL BE LESS.

v. Impact on City services (police, fire, EMS, code enforcement)

THE IMPACT IS UNCHANGED—THIS IS AN EXISTING BUILDING THAT THE CITY PROVIDES SERVICES TO SO IT SHOULD NOT CHANGE. ALSO SEE ITEM iii.

vi. Square footage of the building and land to be renovated

THE BUILDING IS 114,259 SQUARE FEET AND THE LOT SIZE IS 3.5 ACRES

vii. Architectural renderings to include the number and type of units

SEE EXHIBIT C – RENDERINGS OF BUILDING DESIGN

viii. Any other information to fully explain the project

SEE EXHIBIT D – PROJECT NARRATIVE

- c. Describe the marketing of the project, clearly identifying the intended market. If the project is speculative, how long is full occupancy expected to take and who will be the property manager?

THE PROPERTY MANAGER WILL BE PRESBYTERIAN VILLAGES OF MICHIGAN. THE BUILDING IS EXPECTED TO REMAIN OCCUPIED EXCEPT FOR ABOUT 12 UNITS DURING CONSTRUCTION. IT IS EXPECTED THAT THE BUILDING WOULD BE FULLY OCCUPIED WITHIN 60 TO 180 DAYS AFTER CONSTRUCTION COMPLETION

- d. Briefly describe the ownership and tax information for this project:

- i. State the location or the proposed project to include street address, parcel ID, and the legal description.

SEE PILOT APPLICATION LEGAL DESCRIPTION

- ii. Name of the property owner at the time of application.

MCFARLAN/COURT STREET VILLAGE WEST LIMITED DIVIDEND HOUSING ASSOCIATION LLC

- iii. If the applicant is not the current owner of record, attach a valid option to purchase.

THE PROPERTY IS PRESENTLY OWNED BY AN ENTITY 100% OWNED BY THE MCFARLAN CHARITABLE CORPORATION

- iv. Describe all financing, options, and liens on the property

THE CURRENT FINANCIAL LIENS INCLUDE A \$100,00 MSHDA MORTGAGE WHICH WILL BE DISCHARGED AT CLOSING, A 6+ MILLION MORTGAGE FOR MHSDA, WHICH HAD BEEN CLEARED BUT NOT RECORDED, AND A \$2+ MILLION DOLLAR LOAN FROM MCFARLAN COMMUNITY FOUNDATION WHICH WILL ALSO BE DISCHARGED AT CLOSING.

- v. State the current assessed value of the property.

ZERO

- vi. Are any assessments currently under appeal? If yes, describe.

NO

- e. Provide a detailed development pro forma (Sources and Uses) outlining proposed hard, soft and financing costs associated with the development. Pro forma must also identify all sources of financing and terms, including Applicant equity, construction, and permanent financing, as well as any government assistance. Proposals must contain detailed cost breakdowns.

SEE EXHIBIT E1 – SOURCES AND USES

- f. Provide a detailed operating pro forma. This must include all anticipated major revenues and expenses for the full term of the requested PILOT.

SEE EXHIBIT E2 – OPERATING PRO FORMA

- g. Provide a detailed schedule of rents and income limits of lessees

SEE EXHIBIT E3 – RENT SCHEDULE

h. Provide housing market data to show demand.

THE BEST MARKET DATA WE CAN PROVIDE IS THAT THE PROPERTY HAS A CURRENT VACANCY RATE OF APPROXIMATELY 3%.

i. State a proposed timeline for the Project to include:

i. Closing of the loan or contributing financing
ESTIMATED AT DECEMBER 2022

ii. First expenditure of funds with regards to the project
PREDEVELOPMENT FUNDS ARE BEING EXPENDED TO PREPARE THE APPLICATION RIGHT NOW

iii. Anticipated date construction will begin
DECEMBER 2022

iv. Anticipated date of completion
DECEMBER 2023

j. Describe any potential conflicts of interest the applicant or any guarantor may have with any City Personnel or City Council members.

THERE ARE NO CONFLICTS OF INTEREST THAT WE ARE AWARE OF

k. To receive application bonus points, address the following:

i. Mixed use (PILOT ONLY applies to housing- not commercial SF)
THIS IS NOT A MIXED-USE PROJECT

ii. Energy efficiency and green practices
WE ARE EXPECTED TO OBTAIN THE MAXIMUM NUMBER OF POINTS FROM MSHDA AND MEET THEIR NET ZERO REQUIREMENTS

iii. Neighborhood and block club outreach (Full list of outreaches done)
SEE EXHIBIT F – COMMUNITY OUTREACH

v. External amenities (walk score, proximity to transit, jobs, etc.)
SEE EXHIBIT G – PROXIMITY TO LOCAL AMENITIES

l. Include a copy of the completed MSHDA application for Low Income Housing Tax Credits (LIHTC) within thirty (30) days of submittal to MSHDA.

THE APPLICATION HAS NOT BEEN COMPLETED AT THIS DATE. IT WILL BE PROVIDED AT THE TIME OF COMPLETION.

(APPLICATION FORM ON NEXT PAGE- ATTACH APPLICATION FORM TO
THE REQUIRED NARRATIVES AND SUPPORTING DOCUMENTS)



**PAYMENT IN LIEU OF TAXES (PILOT) APPLICATION CITY OF
FLINT**

APPLICANT INFORMATION

ENTITY NAME	Presbyterian Villages of Michigan
REPRESENTATIVES NAME	Al Bogdan, Ethos Consultants Erica Thrash-Sall, McFarlan Executive Director
ADDRESS	26200 Lahser Road, Southfield MI 48033
TELEPHONE NUMBER	313 445-1843
E-MAIL ADDRESS	Bogdanaa@aabds.com; EThrash-Sall@pvm.org

GUARANTORS INFORMATION

ENTITY NAME	Presbyterian Villages of Michigan
ENTITY PRINCIPAL	Roger L. Myers, President & CEO
ADDRESS	26200 Lahser Road, Southfield MI 48033
TELEPHONE NUMBER	248 281-2020
E-MAIL ADDRESS	RMyers@PVM.org

ENTITY NAME	700 E. Court Street Village Limited Dividend Housing Association Limited Partnership
ENTITY PRINCIPAL	Brian W. Carnaghi
ADDRESS	26200 Lahser Road, Southfield MI 48033
TELEPHONE NUMBER	248 281-2020

**E-MAIL
ADDRESS**

bCarnaghi@pvm.org

PROJECT INFORMATION

PROJECT NAME	Court Steet West Village (CSWV)
ADDRESS OF PROJECT	700 East Court Street, Flint MI 48503
PARCEL ID	4118209060
LEGAL DESCRIPTION	<p>Part of Lots 1 through 6 inclusive of the West subdivision of the PLAT OF THE EAST AND WEST SUBDIVISION OF JOHN McNEIL'S CAPITAL LAND ON RESERVATION LOT 7 (of SMITH'S RESERVATION OF ELEVEN SECTIONS AT AND NEAR THE GRAND TRAVERSE OF THE FLINT RIVER), T7N, R7E, according to the recorded plat thereof as recorded in Deed Volume 16, Page 354, Genesee County Records, part of ELDRIDGE REPLAT, more particularly described as follows:</p> <p>Beginning at a point that lies Southerly 27 feet along the former Westerly line of Avon Street from the Southerly line of Court Street as originally platted, and S 58°08'23" W along a line 27 feet Southerly of and parallel to the Southerly line of Court Street as originally platted, a distance of 445.00 feet; thence S 31°37'57" E parallel to the former and present Westerly line of Avon Street 430.00 feet; thence S 58°08'23" W 402.96 feet to the Easterly line of Lapeer Road; thence N 31°48'07" W 264.27 feet; thence N 18°11'53" E 75.82 feet; thence along a curve to the right having a radius of 501.79 feet, a central angle of 39°56'30" and an arc length of 349.80 feet, a chord bearing and distance of N 38°10'08" E 342.72 feet; thence N 58°08'23" E 24.16 feet to the point of beginning. TOGETHER WITH A NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS DESCRIBED AS: A 66.00 foot wide strip of land over lands described as part of Lots 1 through 6 inclusive of the West subdivision of the PLAT OF THE EAST AND WEST SUBDIVISION OF JOHN McNEIL'S CAPITAL LAND ON RESERVATION LOT 7 (of SMITH'S RESERVATION OF ELEVEN SECTIONS AT AND NEAR THE GRAND TRAVERSE OF THE FLINT RIVER), T7N, R7E, part of ELDRIDGE REPLAT, which is more particularly described as follows: Beginning at a point that lies Southerly 27 feet along the former Westerly line of Avon Street from the Southerly line of Court Street as originally platted, and S</p>

	<p>58°08'23" W along a line 27 feet Southerly of and parallel to the Southerly line of Court Street as originally platted, a distance of 445.00 feet, and continuing S 31°37'57" E parallel to the former and present Westerly line of Avon Street 430.00 feet; and continuing N 58°08'23" E 46.77 feet to the point of beginning of this description, thence S 31°07'08" E 214.19 feet to the Northerly line of 6th Street; thence N 58°52'33" E 66.00 feet along the North line of 6th Street; thence N 31°07'08" W 215.04 feet; thence S 58°08'23" W 66.00 feet to the point of beginning.</p> <p>Including and subject to an easement described in that certain Cross Easement Agreement dated December 10, 1992, and recorded January 26, 1993 in Liber 2486 of Deeds, Pages 484-490, Genesee County Records.</p>
--	--

DEVELOPMENT TEAM

APPLICANT PRIMARY POINT OF CONTACT	Al Bogdan, bogdanaa@aabds.com 313 445-1843
ARCHITECTURAL FIRM	Fusco, Schaffer, and Pappas
CONSTRUCTION PROJECT MANAGER	Paragon Construction
GENERAL CONTRACTOR FOR PROJECT	N/A

Applicant is to attach items a-l as required in the narrative portion of the application.

- a. Background information
- b. Project description
- c. Project marketing/target market
- d. Ownership description/tax information
- e. Detailed development pro forma
- f. Operating pro forma
- g. Schedule of rents/income levels
- h. Housing market data supporting demand
- i. Proposed project timeline
- j. Conflicts of interest
- k. Application bonus point items
- l. MSHDA application for LIHTC credits



McFARLAN
VILLAGES

McFARLAN HOME
COURT STREET
VILLAGE

August 9, 2021

Khalfani Stephens
Economic Development Director
City of Flint
1101 South Saginaw Street
Flint MI 48502
kstephens@cityofflint.com

Dear Mr. Stephens:

Presbyterian Villages of Michigan (PVM) and the McFarlan Charitable Corporation (McFarlan) have joined together as sponsors to modernize Court Street East Village and Court Street West Village properties located at 800 East Court Street and 700 East Court Street, respectively.

McFarlan, as sole member of the McFarlan/Court Street West LDHA LP is the current owner of the property. Please find attached a copy of our application for a PILOT for Court Street West Village at 700 East Court Street.

Court Street East Village

The sponsors expect to spend an estimated \$23 million to modernize the 149-unit Court Street East Village located at 800 East Court Street using the Michigan State Housing Development Authority's (MSHDA) 4% low-income housing tax credit bond pass through program partly subsidized by a HUD 202 Capital Advance. By state law, under the HUD 202 program the State of Michigan will reimburse the City of Flint through a stated PILOT paying full property taxes for the HUD 202 units. In other words, if we are awarded the HUD 202 Capital Advance, the State will pay the City of Flint's taxes equal to the full SEV as determined by the City Assessor multiplied by the City millage.

Court Street West Village

The sponsors expect to spend another estimated \$22 million to modernize the 106-unit Court Street West Village located at 700 East Court Street using the MSHDA 9% low-income housing tax credit competitive program. As part of the renovation the sponsors expect to convert several of the two-bedroom units to one-bedroom units and studio apartments, thereby increasing the number of units to 119. The converted units will be primarily used to provide affordable assisted living accommodations to 35 Medicaid eligible persons, including a secured memory support home and gardens for 11 persons. To apply for the LIHTC, MSHDA requires us to obtain a PILOT from the City for as long as there is a Regulatory Agreement in place requiring the owner to maintain the units at affordable rents. The PILOT is also necessary to help assure the economic viability of the development.



McFARLAN
VILLAGES

McFARLAN HOME
COURT STREET
VILLAGE

It is, with this mind that the development team requests the City of Flint to provide the Court Street West Village located at 700 East Court Street a PILOT equal to 4% of the total rental revenue, net of vacancy and utility costs, for the affordable units for the term of the new Regulatory Agreement to be issued by MSHDA. PILOT Application plus Exhibits are attached.

We will be pleased to meet with you, Kevin Miller, City staff, and the City Council in Committee and when meeting as regular meetings to discuss the program in more depth and to answer all questions. We feel that the project will be extremely beneficial to the City's seniors by permitting them to age in place and to avoid a nursing home stay and generate City tax revenue. It is vital that we receive your approval prior to October 1, 2021, on which date we file with MSHDA for the 9% LIHTC competitive credits.

Sincerely yours,

Brian W. Carnaghi

Brian Carnaghi
Vice President
Presbyterian Villages of Michigan

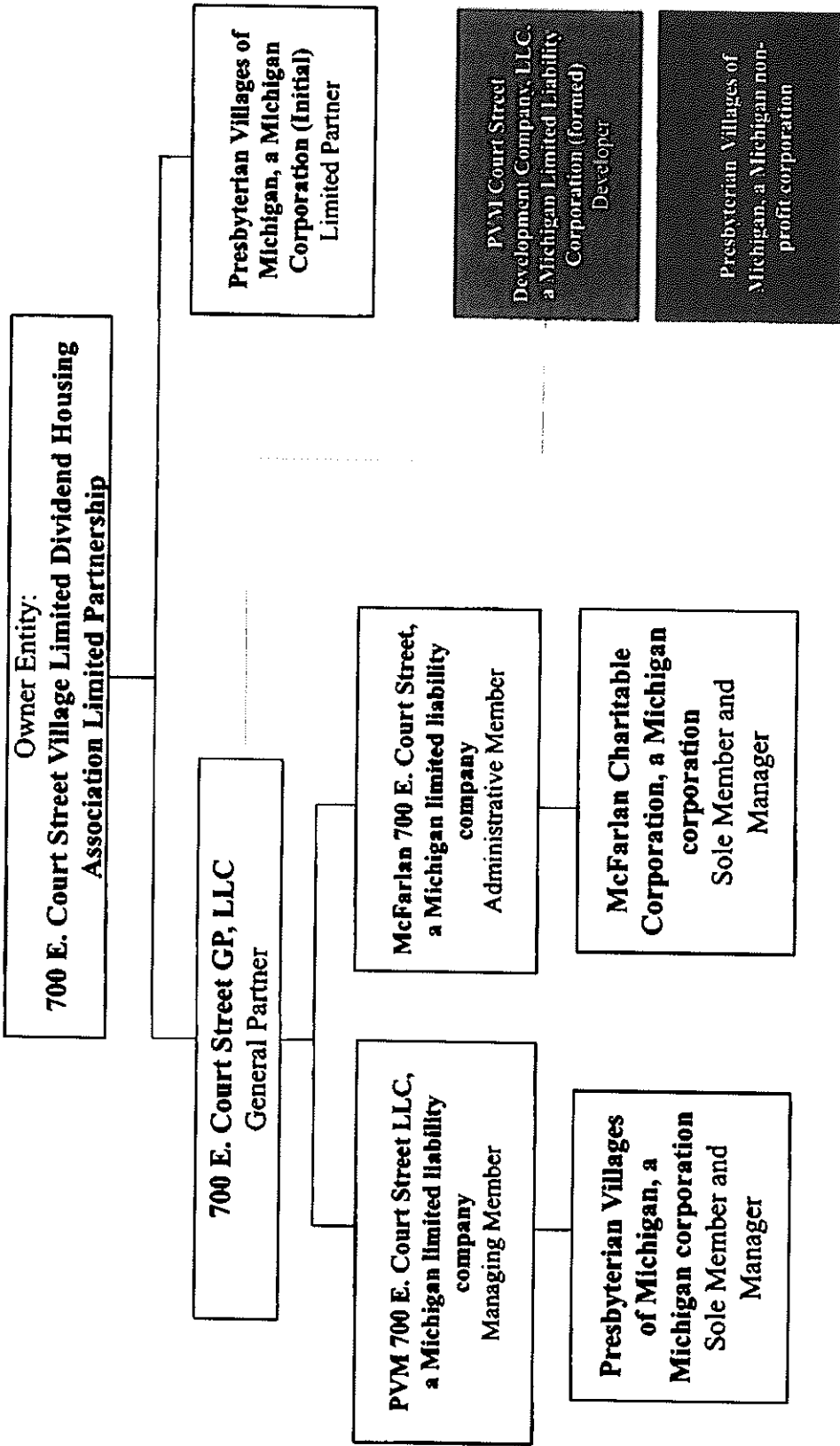
Erica Trash-Sall

Erica Trash-Sall
Executive Director
McFarlan Charitable Corporation

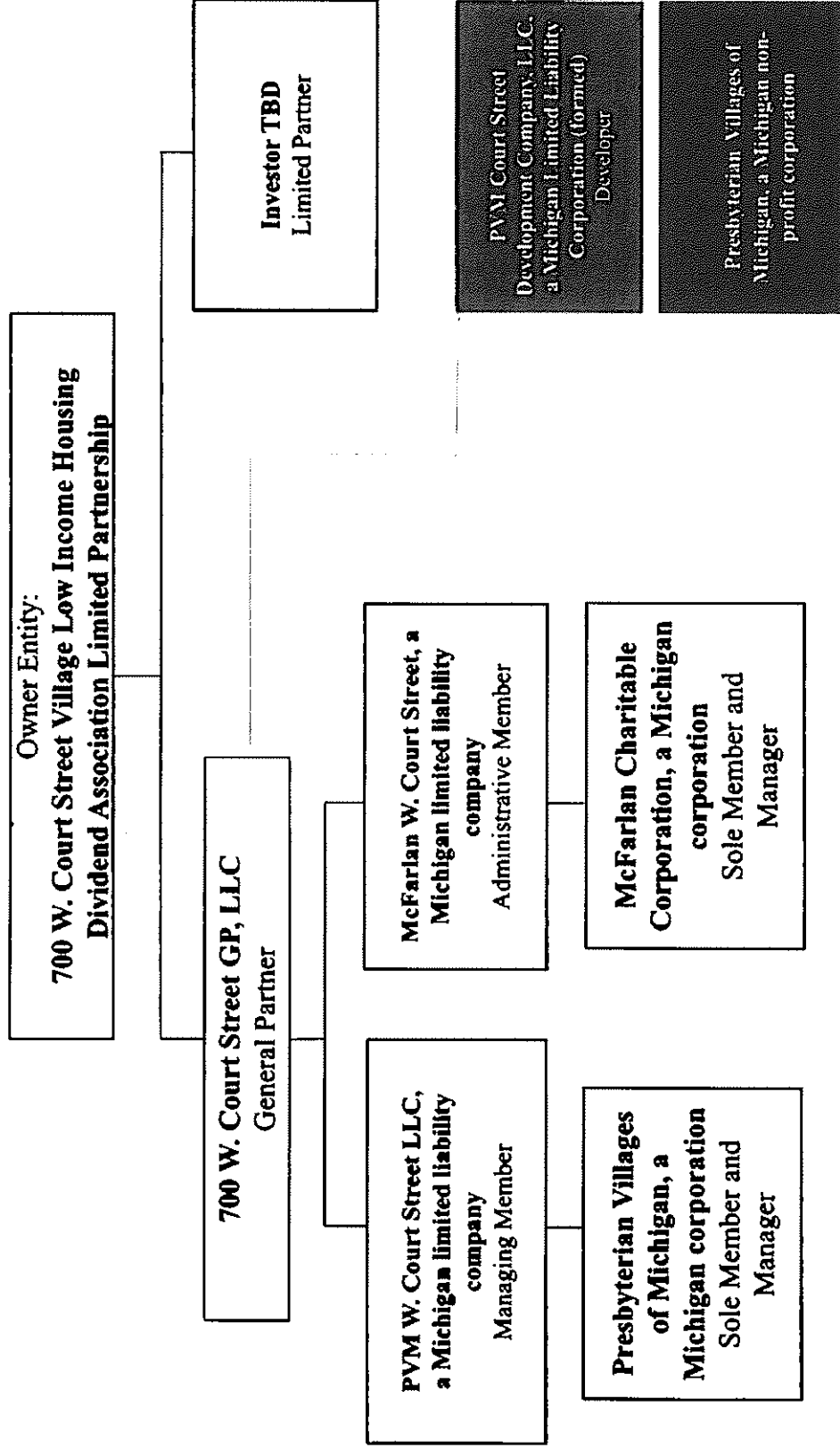
Cc: Kevin Miller
Councilwoman Monica Galloway
Suzanne Wilcox

Attachment:
700 East Court Street PILOT Application including Exhibits

**ORGANIZATIONAL STRUCTURE FOR 700 EAST COURT STREET OWNER ENTITY
PRIOR TO FINANCIAL CLOSING**



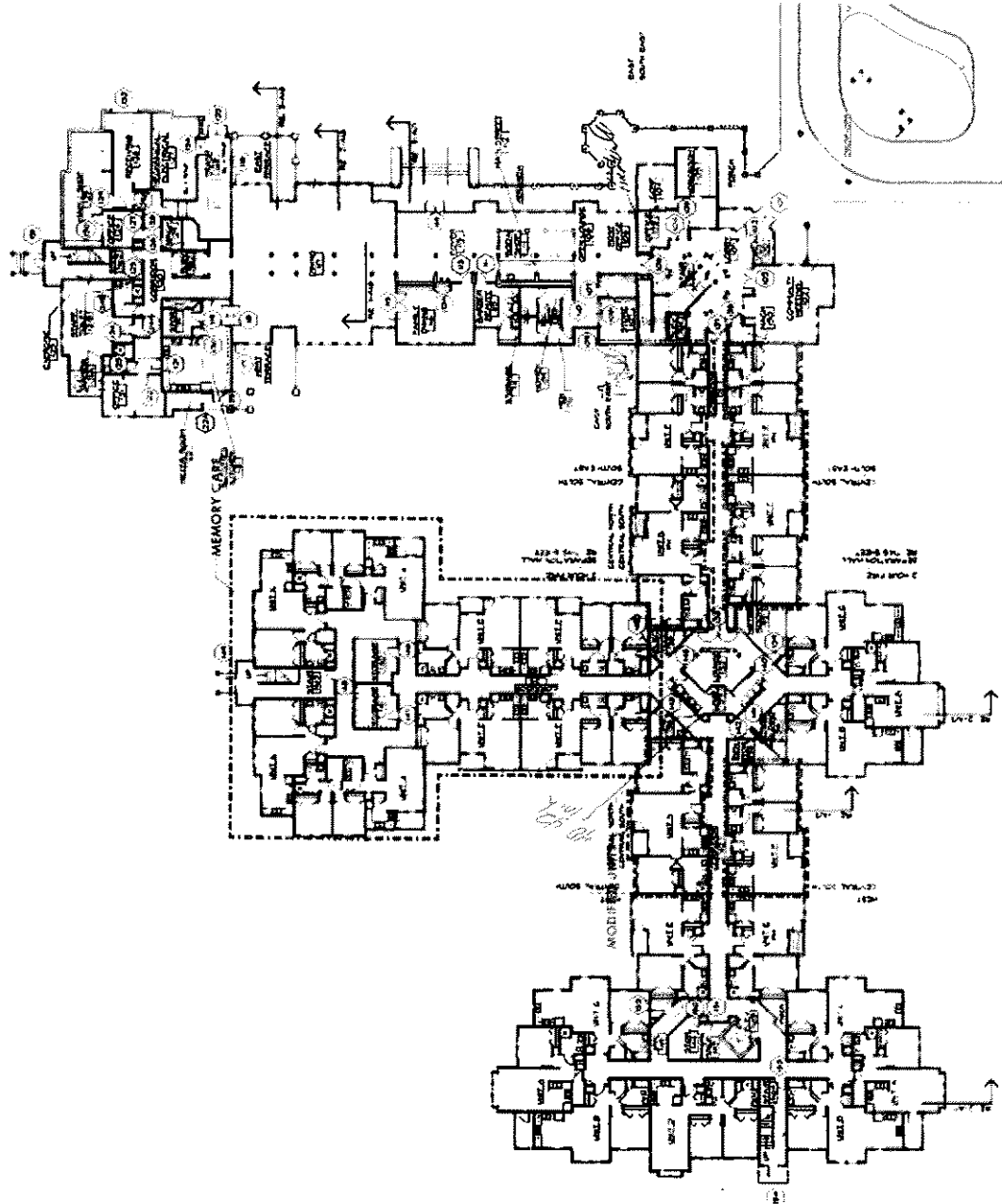
ORGANIZATIONAL STRUCTURE FOR MCFARLAN COURT STREET OWNER ENTITY
FOLLOWING FINANCIAL CLOSING



700 E. COURT RENOVATION
PRESBYTERIAN VILLAGES OF MICHIGAN
FLINT

07.16.27

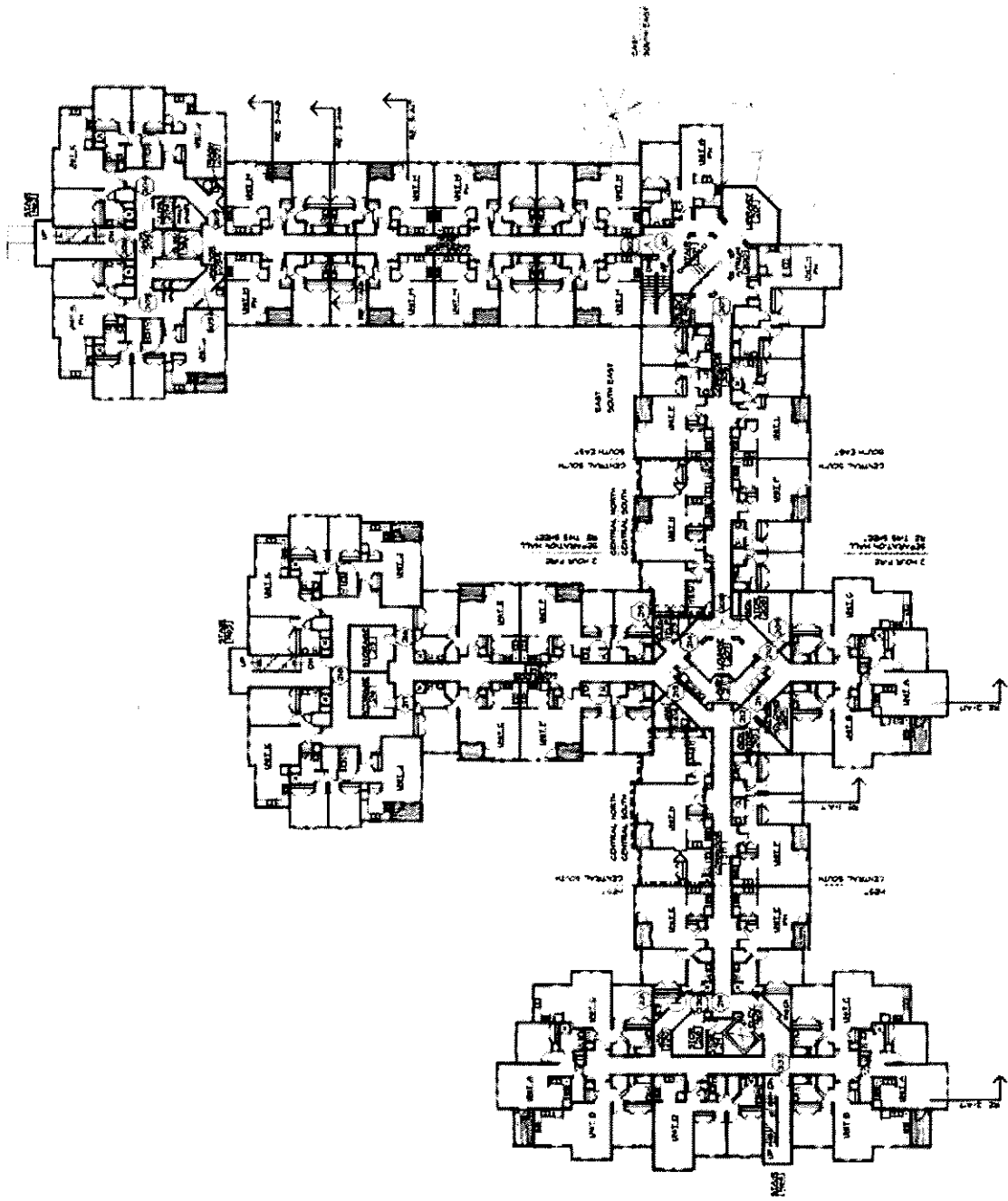
FUSCO
SHAFER &
PAPPAS INC.
 ARCHITECTS & PLANNERS
 1001 E. UNIVERSITY AVENUE
 ANN ARBOR, MI 48106-1528
 PHONE 248-541-0000 FAX 248-541-1111
 WWW.FUSCO-SHAFER-PAPPAS.COM



N 1ST FLOOR BUILDING PLAN (EXISTING)

1/4" = 1'-0"

37,001 S.F.



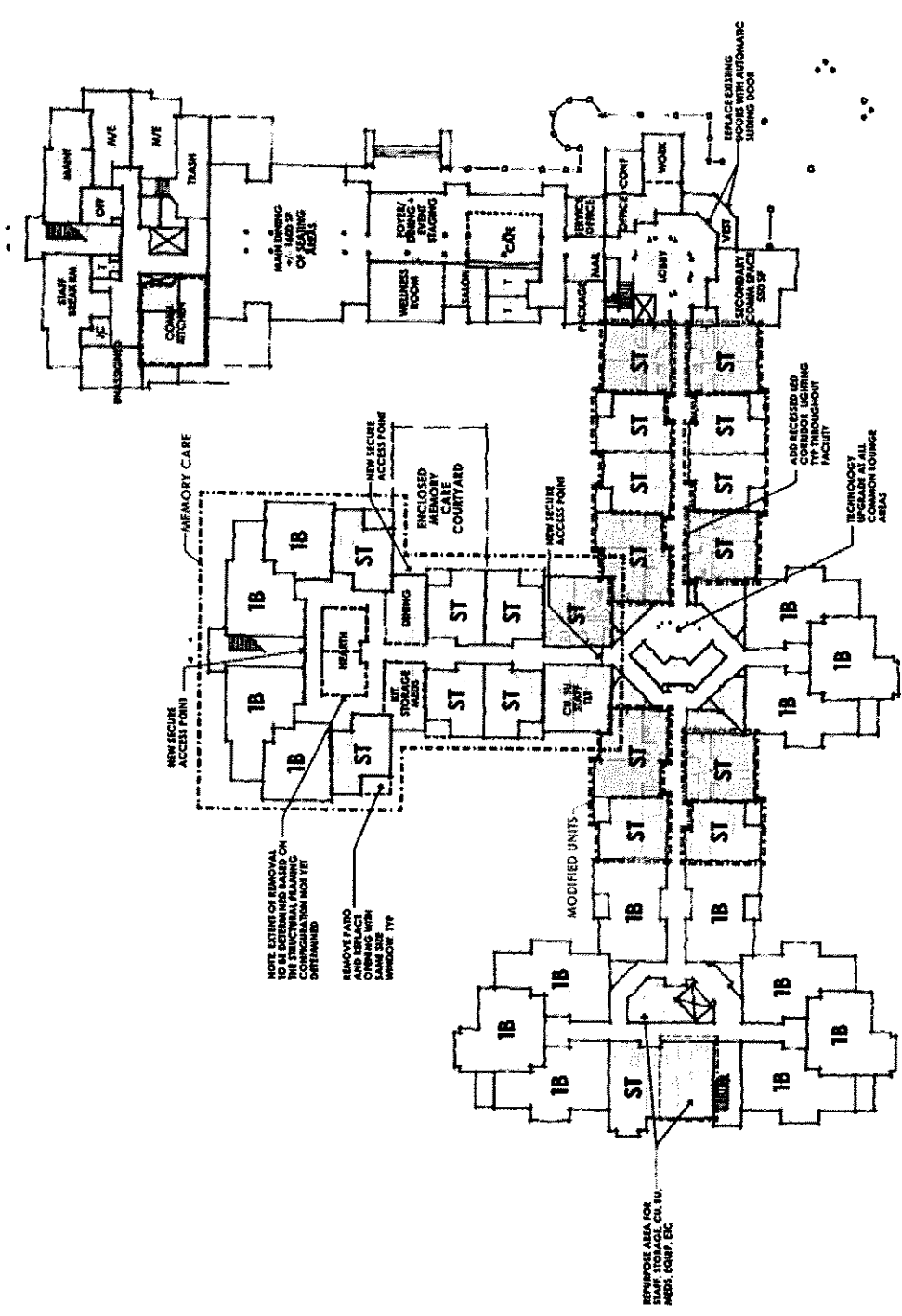
N 2ND FLOOR BUILDING PLAN (EXISTING)
 1/16" = 1'-0"

38,279 S.F.

700 E. COURT RENOVATION
PRESBYTERIAN VILLAGES OF MICHIGAN
 FLINT, MICHIGAN

FUSCO, SHAFER & PAPPAS, INC.
 ARCHITECTS & PLANNERS
 1000 WEST 10TH STREET
 ANN ARBOR, MICHIGAN 48106-1411
 (313) 963-1111

07.14.21



EXISTING UNIT MIX:

INDEPENDENT LIVING
STUDIO
1 BEDROOM
2 BEDROOM
0 UNITS
60 UNITS
46 UNITS
TOTAL 106 UNITS
(11 PF UNITS)

PROPOSED UNIT MIX:

MEMORY CARE
STUDIO
1 BEDROOM
2 BEDROOM
7 UNITS
4 UNITS
0 UNITS
TOTAL 11 UNITS

ASSISTED LIVING

STUDIO
1 BEDROOM
2 BEDROOM
13 UNITS
11 UNITS
0 UNITS
TOTAL 24 UNITS

INDEPENDENT LIVING

STUDIO
1 BEDROOM
2 BEDROOM
4 UNITS
58 UNITS
22 UNITS
TOTAL 84 UNITS

DEVELOPMENT TOTAL 119 UNITS
(12 PF UNITS)

- KEY:**
- 1 BEDROOM - 1 BATH
 - STUDIO
 - STUDIO (POTENTIALLY 1B)
 - COMMONS/UTILITY
 - MODIFIED UNITS
 - MEMORY CARE

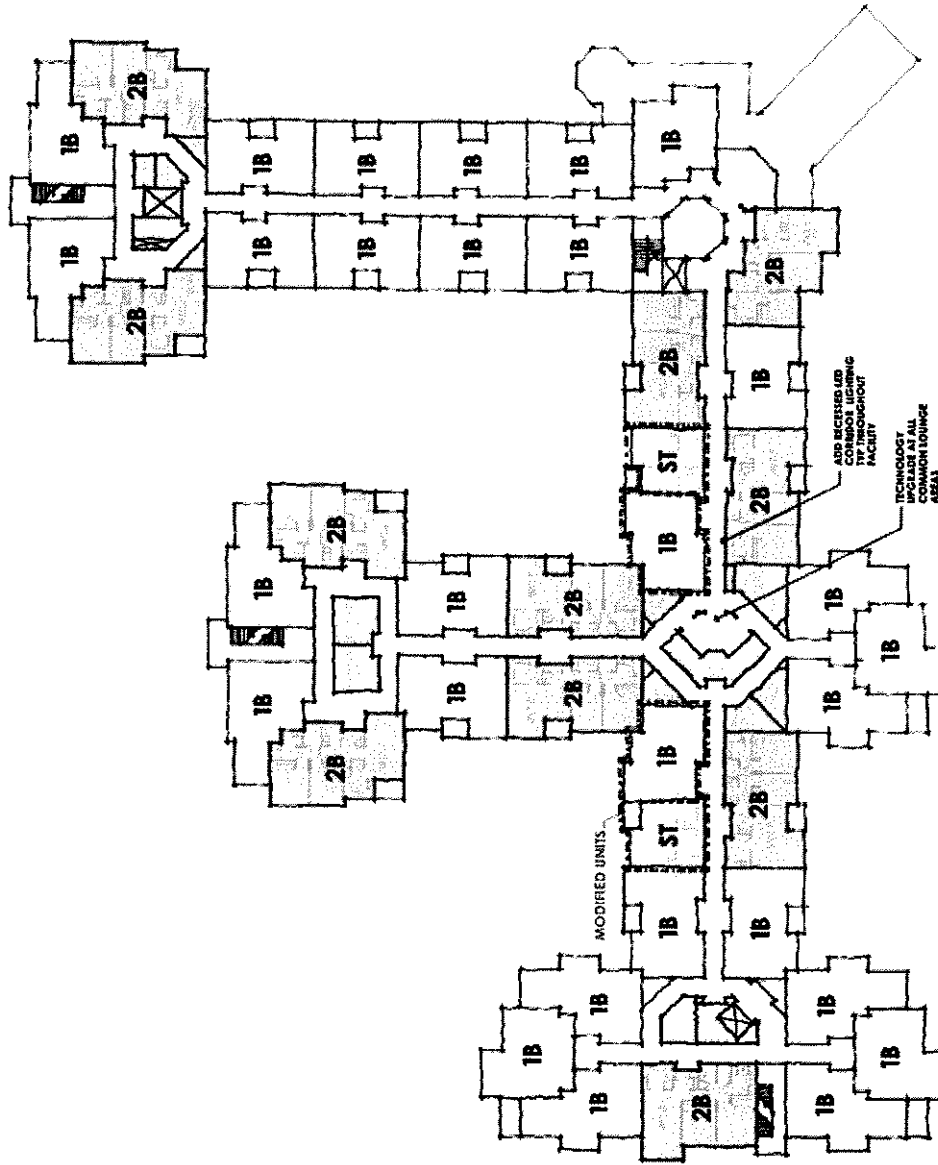
700 E. COURT RENOVATION
PRESBYTERIAN VILLAGES OF MICHIGAN
FLINT, MICHIGAN

FUSCO, SHAFER & PAPPAS, INC.
ARCHITECTS & PLANNERS
500 E. SHELLEY RD.
BIRMINGHAM, MICHIGAN 48226
PHONE 248-349-7400 FAX 248-349-7401
www.fusco-shafer-pappas.com

07.16.21

SHEET 1 OF 2

1ST FLOOR BUILDING PLAN - 35 UNITS
1/16" = 1'-0" 37,701 SF



KEY:

- 2 BEDROOM - 1 1/2 BATH
- 1 BEDROOM - 1 BATH
- STUDIO
- COMMONS/UTILITY
- MODIFIED UNITS

700 E. COURT RENOVATION
PRESBYTERIAN VILLAGES OF MICHIGAN
 FLINT, MICHIGAN

FUSCO
SHAFER &
PAPPAS, INC.
 ARCHITECTS & PLANNERS
 100 E. S. 100 N. 100 W.
 FARMINGTON, MICHIGAN 48320
 PHONE 248.543.4400 FAX 248.543.4444
 WWW.FUSCOARCHITECTS.COM

07.14.21

SHEET 2 OF 2

2ND FLOOR BUILDING PLAN (3RD SIMILAR) - 42 UNITS
 38,279 S.F.
 1/16" = 1'-0"

E1 – 700 East Court Street PROJECT NARRATIVE

The McFarlan Court Street West Village (CSVW) property is located at 700 East Court Street, Flint MI 48503, just east of the Court Street ramp exit off I-475. It is the western building of the Court Street Village Senior Residential Complex. Court Street is the entrance to downtown Flint with City Hall on the corner of Court and Saginaw Street. Saginaw is a main street that connects both the northern and southern suburbs to the heart of the city. Court Street Village West is in the heart of Flint's College Cultural Center in the Fairfield Village Neighborhood in Flint's 7th Ward. Community assets include Mott Community College, University of Michigan-Flint, Sloan Science Center, Flint Art Museum, Flint Institute of Music, and the Whiting Auditorium. McFarlan Court Street Village West (CSVW) is less than a mile from the Flint Farmer's Market, recognized as one



the top ten public markets in America. Four bus lines are within a block of the Village and when combined with the city's dial a ride and the in-house van it puts the entire City at its front door. Residents can easily travel to the appointments or to do shopping.

CSVW is a three story, 106-unit, senior residential building located adjacent to its sister Court Street East

Village Building, a 149-unit senior property. CSVW was originally developed as a Low-Income Housing Tax Credit development and completed in 1992. It was purchased by the McFarlan Charitable Corporation from MSHDA in 2011 to prevent the buildings from going into foreclosure. Presbyterian Villages of Michigan (PVM) began to manage the property for the McFarlan



Charitable Corporation in 2016. There is a \$100,000 non-serviceable loan from MSHDA on the property that will be forgiven if CSVW keeps 40 percent of the units as affordable. The debt and current reserves will be transferred to the new entity.

CSVW amenities will include amenities include a commercial kitchen, private dining area, wellness and exercise area, personal emergency response system, window coverings, commissary and convenience store, mail room, barber and beauty salon, library, internet access, porches, walking paths, balconies in some units, walk-in closets, storage space, covered drive thru, and a memory support garden. There is also significant green space all around the building for its Walking Club. After room conversions it will offer 24 studios, 73 one-bedrooms, and 22 2-bedroom units. The eleven barrier free units in the present building will; be expanded to 12, it has and will have a broad range of supportive services.

Court Street West Village Data	
Address =	700 East Court Street, Flint MI 48503-6220
County =	Genesee County
Parcel ID =	4118209060
Census Tract =	26049002900
Site Area =	3.5 acres
Building Gross Area =	114,259 square feet
Building Height =	3 Floors (existing)
Parking Required by Zoning =	60
Present Parking on Site =	69
Present Zoning =	C-1 Multit-family Walk-up Apartment District
Projected Zoning =	C-1 Multit-family Walk-up Apartment District

DESCRIPTION OF MODERNIZATION OF 700 EAST COURT STREET

CSWV is one component in a transformation of McFarlan Villages into a continuum of housing and services for seniors, with the vision of replicating the Thome Rivertown Neighborhood campus in Detroit, Michigan. All apartments will be "visitable" as defined by HUD with a no step entry, barrier free doors from the hall to the ½ bathroom or bathroom, and electrical switches at reachable heights.

Sixteen apartments will be barrier free. Thirty-five apartments of Affordable Assisted Living will be created with 11 dedicated to memory support to serve residents safely and securely with dementia and Alzheimer's Disease. CSVW will partner with Valley Area Agency on Aging (VAAA) as the MI Choice waiver agent in Genesee County. Additionally, CSVW has an established a relationship with

Apartment Configuration Before Rehabilitation							
Apt. Type	1 bath			1 1/2 bath	2 bath	Total	handicapped units
	Non AAL	Memory	AAL				
Studio	0	0	0	0	0	0	11
1 bdrm	69	0	0	0	0	69	
2 bdrm	0	0	0	30	7	37	
Total	69	0	0	30	7	106	11
Apartment Configuration After Rehabilitation							
Apt. Type	1 bath			1 1/2 bath	2 bath	Total	handicapped units
	Non AAL	Memory	AAL				
Studio	4	7	13	0	0	24	12
1 bdrm	58	4	11	0	0	73	
2 bdrm	0	0	0	22	0	22	
Total	62	11	24	22	0	119	12

Ascension Michigan PACE (Program for All Inclusive Care for the Elderly), who would provide comprehensive care for PACE participant who are residents. Evergreen Home Care will be the Home Care Agency provider. These are not new partnerships for McFarlan, as they have been serving the residents in the McFarlan communities for more than five years.

The Affordable Assisted Living (AAL) will consist of a fully appointed unit that includes a bedroom, sitting area, kitchen or kitchenette, and accessible bathroom. Most of the units will have access to Section 8 project-based vouchers, through the Flint Housing Commission and enrolled in MI Choice Waiver or PACE for home care services. Through the Waiver or PACE, residents will receive assistances with activities of daily living (ADLs), housekeeping, and laundry. CSVW will provide dining services to the residents to include breakfast, lunch, dinner, and snacks.

The residents of the AAL will have access to all the amenities on the campus including a primary care federally qualified health center located in the adjacent Court Street Village East property, robust wellness-activities program (exercise, social engagement, gardening arts and crafts and educational courses, and service coordination). Residents will be able to keep suitable pets. CSVW understand that pets enhance to the psycho-social well-being of older adults, especially those who may delay care because they do not want to be separated from their pet.

The modernization of CSVW includes converting some of the existing two-bedroom units to one-bedroom and studio units. The conversion of the first-floor units will encompass the reconfiguration of the existing 2-bedroom units by converting them into a combination of studio and/or 1-bedroom units. Support functions will be developed in areas occupied by storage rooms and within former unit footprints. The existing building utilities, kitchen, and common areas will be renovated to meet the demand of the conversion. Units on the first floor will be reconfigured with a kitchenette, with meal service to be provided in the main dining room for all meals. The memory support small house will have a warming kitchen and a dining space within the secure suite. Independent living units on the 2nd and 3rd floors will have full kitchens or kitchenettes.

The exterior and site will also be upgraded. Existing wooden decks and supporting structures and trims will be replaced. Paving and parking improvements will be made. The walking path will be improved or repaired as required. Exterior masonry and siding will be repaired and painted.

Currently, there is an excess of common area space, which does not support the type of programming currently available or plan to have in the future. The present kitchen will be replaced by professionally designed commercial kitchen that can serve up to 270 meals per day to both the residents of our AAL, independent living and other senior living buildings nearby like Richert Manor, Kearsley Manor and McFarlan Home. The dining room will be modernized to make dining service an easy and enjoyable experience for our residents and guests. There will be a game room to accommodate older adults across three generations. There will be a theater space, an exercise room and a space for arts and crafts. The walkways will be re-paved to facilitate more participation in the walking club. A courtyard memory garden will provide a safe enclosed outdoor space for the AAL residents

Electronic Communication Availability / Accessibility

PVM's Department of Technology (DOT) will build out the necessary "wiring" to implement Wi-Fi throughout the building which will provide the "backbone" for their residents to receive basic internet access to email, social media, home voice assistants and other internet of thing's devices (Smart Plugs, lights). PVM will be providing every resident a Google Nest Smart Home Voice Home Assistant, which will allow the resident to communicate to the internet via voice commands. The home assistant will also voice command control smart switches, plugs and lights within their apartment if purchased separately. Voice assistants can set alarms, display, and playback reminders, play games

(trivia), listen to music, and watch videos, play back daily news, weather. Palcare emergency devices will be provided to every resident. This is a Personal Emergency Response System (Wireless watch or necklace-water proof that resident can use to send an emergency alert by the push of a button). Two VR headsets will be purchased offering Virtual and Augmented Reality experiences. The design is to enhance the wellness space with this virtual experience which will help reduce stress and allow for powerful and fun virtual exercising.

Relocation

None of the tenants will have to be relocated from the building during rehabilitation. Prior to construction, enough apartments will be left vacant from normal turnover to permit relocation of tenants in the building. It is presently estimated that approximately 12 units will be used to house tenants during the construction period. The project will comply with all aspects of HUD Chapter 3 temporary relocation planning.

Zoning and Site Plan Approval

CSVW will continue to be used as a residential dwelling for older adults, so no zoning changes are required. The only site work to be performed is repair and maintenance of the present site. No site plan approval will be necessary. The 69 parking spaces meets the current zoning requirements of ½ space per unit.

Rehabilitation Outline by Fusco Shaffer & Pappas

Site Work

1. Mill and cap existing parking lot with new striping including accessible aisles.
2. Replace existing concrete at service yard.
3. Repair existing asphalt walk.
4. Repair existing concrete walks.
5. Replace existing screen fence with new screen fence.
6. Provide pricing to examine and trim existing trees on site.
7. Replace existing carport structures and associated lighting.
8. Repair drive canopy structure finishes and gutters where damaged to match existing.
9. Replace existing HID light fixtures and poles with LED light fixtures. Repair/replace base as required.
10. Repair/replace existing walking path around the building.

E. Building Exterior

1. Remove and replace existing asphalt roof, fascia, and trim on main building and maintenance garage.
2. Construct new memory garden for Assisted Living Memory Care residents with 8' high, non-climbable prefinished aluminum picket fencing with intermediate block/brick piers on concrete footings. Block/brick to match existing building. (+/- 9 piers)
3. Replace balcony decking, rails, and supports at all upper floor units.
4. Repair damaged framing as required.
5. Replace damaged decking rails and supports at public areas.
6. Repair / replace concrete patios at first floor units. Replace exterior doors and frames.

7. Replace windows.
8. Repair damaged siding and fascia.
 - A. Provide alternate to replace siding and fascia.
9. Replace downspouts and gutters.
10. Provide a complete exterior masonry survey for the building. Repair damaged cmu and tuck point missing mortar.

F. Building Interior: Common Spaces

1. Provide commercial kitchen equipment, ventilation, and MAU. Rework electrical and mechanical to accommodate new unit layout.
2. Replace finishes in existing Dining Room.
3. Reconfigure first floor suites to accommodate new unit layout. Provide new rated unit entries through existing load bearing corridor wall.
 - 24 units non-licensed assisted living
 - 11 non-licensed memory care units (greenhouse model)
4. Provide new secure access points to MC unit.
5. Reconfigure space in MC unit to accommodate required staff / resident support space.
6. Reconfigure 2-bedroom, 2-bathroom upper floor units to accommodate new units.
7. Replace existing floor finishes and base throughout building.
8. Replace existing ceiling tiles throughout facility.
9. Remove existing stair in lobby and reconfigure along existing run.
10. Provide allowance for new furniture.
11. Provide an allowance to enclose third floor atrium.
12. Replace existing main entry doors with automatic sliding doors.
13. Common Laundry facilities space.
 - a. Reconfigure existing Laundry Room and adjacent Lounge.
14. Revise common areas to include TV, exercise, game room, computer, and arts and craft room.
15. Include a maintenance and tool area.
16. Provide allowance to replace ceiling tiles.
17. Include an area for a theater and a business center.
18. Reconfigure commissary store, a new cafe, expanded salon and wellness (fitness) room.
19. Interior common space to receive new flooring (LVT) and furnishings.
20. Create a new mailroom with additional parcel lockers.
21. Provide WIFI throughout building.
22. Common hallways to be refurbished.
 - a. Repair and repaint walls and trim.
 - b. Remove existing flooring and base. Install new LVT flooring and dimensional resilient base throughout all corridors.
 - c. Remove existing ceiling grid pads and lights. Install new ceiling 2x2 grid, ceiling pads and LED light fixtures.
 - d. Provide alternate to keep 2x2 ceiling grid with new ceiling tiles.

- e. Remove existing lighting. Install new and increased amount of recessed LED lights. Allow for (1) light for every 6' O.C. min plus additional accent lighting at lounges, nodes, artwork, and accent areas.
- f. Remove existing wall sconces. Provide replace (1) LED wall mounted sconce at each unit entry
- 23. Remove and replace all existing interior Common Area doors and frames and hardware with new stained wood solid core doors and hollow metal frames (provide rated doors, frames, and hardware where applicable)
- 24. Remove and replace all existing exterior Common Area doors and frames and hardware with new insulated painted galvanized hollow metal doors and frames
- 25. Upgrade public bathrooms
 - a. Demolish and replace existing fixtures, flooring, and accessories.
 - b. Patch and repair walls and repaint.
 - c. Provide tile wall finish full height along wet walls.
 - d. Install new partitions, water closets, urinals, lavatories, ADA compliant counter with manufactured stone top and splashes, mirror(s), and all required accessories.
- 26. Upgrade elevator finishes and replace door operators.

G. Building Interior: Common Spaces Mechanical, Electrical and Plumbing

1. Mechanical:

- a. Replace existing makeup air units.
- b. Replace existing AHU in the crawl space.
- c. Repair existing fan coil units.
- d. Replace rooftop mounted powered exhaust.

2. Electrical:

- a. Replace existing light fixtures with LED light fixtures.
- b. Improve lighting in common areas and corridors with LED light fixtures.
- c. Modernize elevator machine room equipment.
- d. Install missing breakers from panels.
- e. Provide fire alarm strobes.
- f. Repair building camera security system.

3. Plumbing:

- e. Provide water shut off valves for supply lines at each unit.
- f. Replace existing fire pump and controller
- g. Confirm cause of and repair leaking fire sprinkler lines.
- h. Replace inline Grundfos pumps and taco circulators
- i. Replace base-mounted service and chilled water pumps.
- j. Replace DHW generation equipment.
- k. Replace inline circulation pumps.

H. Building Interior: Dwelling Units

1. All interior doors and frames and hardware are to be replaced with stained wood doors and trim.

A. Replace bi-fold doors with stained wood swinging doors and frames in existing openings.

2. Revise mail shelf at accessible unit entry doors.

3. All walls in units to be repaired and painted throughout.

4. Replace screen door to balcony.

A. Adjust thresholds at accessible units.

5. Demolish all kitchen and bathroom cabinets and vanities and install new.

6. All Kitchen countertops to be replaced with laminate tops on water resistant board with new sinks and faucets.

A. Install fire stop canisters at range hoods.

7. Replace all appliances with new energy star appliances. (Note: 1st floor units will be renovated to include a kitchenette in lieu of a full kitchen)

8. Revise walls to new configuration.

9. All flooring and base trim throughout the unit be replaced. Install CPT living room and bedroom. Provide alternate for LVT in living areas

10. Install vinyl plank and resilient in bathrooms kitchen and entry.

11. All window treatments to be replaced.

12. All unit entry doors and frames to remain.

13. All bathrooms to be fully renovated

1. Building Interior: Dwelling Unit Mechanical, Plumbing and Electrical

1. Mechanical:

- a. Install new exhaust fan in bathroom(s).
- b. Reconfigure heating piping to accommodate reconfiguration of units.
- c. Replace mechanical unit.

2. Electrical:

- a. Install new emergency call pull cord in Assisted living units.
- b. All electrical devices to be replaced.
- c. All electrical cover plates to be replaced. Provide GFCI outlets as required by code.
- d. All lighting fixtures to be replaced with LED fixtures.
- e. Install new fire/smoke detectors for the hallways & corridor.
- f. Provide a new video intercom system.
- g. Provide new thermostats.
- h. Provide motion activated night lighting from bedroom and into bathrooms

3. Plumbing:

- a. Provide new 1/4 turn ball type shut off valves at all plumbing fixtures.
- b. Adjust sprinkler heads as required to conform to new ceiling configurations.
- c. Reconfigure plumbing fixture locations in new/existing units to accommodate visitability.
- d. Install roll in shower.
- e. New fixtures and faucets throughout facility.

Instructions

TOTAL DEVELOPMENT COSTS

	Per Unit	Total
Acquisition		
Land	4,202	500,000
Existing Buildings	17,647	2,100,000
Other:	0	0
Subtotal	21,849	2,600,000
Construction/Rehabilitation		
Off Site Improvements	0	0
On-site Improvements	2,357	280,460
Landscaping and Irrigation	840	100,000
Structures	98,587	11,731,832
Community Building and/or Maintenance Facility	0	0
Construction not in Tax Credit basis (i.e. Carports and Commercial Space)	0	0
General Requirements	5,603	666,738
% of Contract	5.45%	Within Range
Builder Overhead	1,888	222,246
% of Contract	1.72%	Within Range
Builder Profit	5,603	666,738
% of Contract	5.08%	Within Range
Permits, Bond Premium, Tap Fees, Cost Cert.	2,148	255,582
Other: Low Voltage Contract	956	113,754
Subtotal	117,961	14,037,350
15% of acquisition and \$15,000/unit test:		met
Professional Fees		
Design Architect Fees	4,718	561,494
Supervisory Architect Fees	0	0
Engineering/Survey	210	25,000
Legal Fees	840	100,000
Subtotal	5,769	686,494
Interim Construction Costs		
Property & Casualty Insurance	504	60,000
Construction Loan Interest	1,559	185,500
Title Work	168	20,000
Construction Taxes	176	21,000
Other:	0	0
Subtotal	2,408	286,500
Permanent Financing		
Loan Commitment Fee to MSHDA	0	0
Other: Loans Fee @ 2% + Construction Loan Fee @ 1.5%	1,731	205,948
Subtotal	1,731	205,948
Other Costs (In Basis)		
Application Fee	0	0
Market Study	55	6,500
Environmental Studies	294	35,000
Cost Certification	126	15,000
Equipment and Furnishings	4,622	550,000
Temporary Tenant Relocation	1,050	125,000
Construction Contingency	11,796	1,403,735
Appraisal and C.N.A.	92	11,000
Other:	0	0
Subtotal	18,036	2,146,235
Other Costs (NOT In Basis)		
Start-up and Organization	210	25,000
Tax Credit Fees (based on 2017 QAP)	777	92,500
Compliance Monitoring Fee (based on 2017 QAP)	427	50,825
Marketing Expense	84	10,000
Syndication Legal Fees	504	60,000
Rent Up Allowance	0	0
Other:	0	0
Subtotal	2,003	238,325

	6.0 months	Funded in Cas Required	Per Unit	Total
Project Reserves				
Operating Assurance Reserve	2,859	340,214		
Replacement Reserve	700	83,300		
Operating Deficit Reserve	0	0		
Rent Subsidy Reserve	0	0		
Syndicator Held Reserve	0	0		
Rent Lag Escrow	0	0		
Tax and Insurance Escrows	0	0		
Other:	0	0		
Subtotal	3,559	423,514		
Miscellaneous				
Deposit to Development Operating Account (IMGRS Not Required)	0	0		
Other (Not in Basis):	0	0		
Other (In Basis):	0	0		
Other (In Basis):	0	0		
Subtotal	0	0		
Total Acquisition Costs	21,849	2,600,000		
Total Construction Hard Costs	117,961	14,037,350		
Total Non-Construction ("Soft") Costs	33,504	3,987,016		
Developer Overhead and Fee				
Maximum	1,500,000			
7.5% of Acquisition/Project Reserves	12,605	1,500,000		
15% of All Other Development Costs	5%	Attribution Test met		
Total Development Cost	185,919	22,124,366		
TOTAL DEVELOPMENT SOURCES				
MSHDA Permanent Mortgage	0	0		
Conventional/Other Mortgage	19,726	2,347,405		
Equity Contribution from Tax Credit Syndication	112,174	13,348,685		
MSHDA NSP Funds	0	0		
MSHDA HOME or Housing Trust Funds	0	0		
Mortgage Resource Funds	0	0		
Other MSHDA	0	0		
Local HOME	0	0		
Income from Operations	0	0		
Other Equity	0	0		
Transferred Reserves:	0	0		
Other:	840	100,000		
Sellers Note	10,924	1,300,000		
Sponsor Note(s)	36,975	4,400,000		
Deferred Developer Fee	5,280	628,286		
Total Permanent Sources	22,124,366	22,124,366		
Sources Equal Uses?				
Surplus/(Cap)		Balanced		
3rd Party Construction Loan				
Construction Loan Rate	3.500%			
Repaid from equity prior to final closing	47.91%	89,076		10,600,000

Step Notice of Intent to Apply
Date 07/30/2021
Type Acquisition/Rehab

Rental Income

Gross Rent Potential	882,156
Average Monthly Rent	618
Gross Square Footage	

Utility Allowances Tenant-Paid

Annual Non-Rental Income	
Misc. and interest	10 000
Laundry	9 500
Carports	
Other:	
Other:	
	<u>19,500</u>

EXHIBIT F - COMMUNITY OUTREACH

The following are organizations that have a strong working relationship with the present the codevelopers managers of Court Street Villages and have offered their full support for the modernization of both 700 and 800 East Court Street properties:

1. Alzheimer's Association
2. Ascension PACE
3. Brennan Senior Center
4. Communication Access Center
5. Disability Network
6. Evergreen Health Services
7. Family Services Agency
8. First Presbyterian Church
9. Flint Housing Commission
10. GCCARD-Commodities Food Program
11. Genesee Community Health Center
12. Genesee Health System
13. Hamilton-McFarlan Senior Health Center
14. McFarlan Home Assisted Living
15. Mott Community College
16. My Brother's Keeper
17. OLHSA
18. Shelter of Flint
19. Training and Treatment Innovations
20. University of Michigan-Flint
22. Valley Area Agency on Aging
23. Wellness HIV Aids

The following organizations have offered their support for the management and redevelopment of the Court Street Villages.

- 1 Community Foundation - Greater Flint
- 2 Blue Cross/Blue Shield/ Blue Care Network
- 3 Congressman Daniel E Kildee
- 4 Councilwoman Monica Galloway - Ward 7
- 5 Genesee Community Health Center
- 6 Michigan Department of Health & Human Services Aging & Adult Services
- 7 Leading Age Michigan

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Neighborhood and Context

700 E. Court Street Village is located in the hub of an extensive mass transportation market that caters to seniors, disabled and poor folks. The Mass Transportation Authority (MTA) provides reliable public transportation services throughout Genesee County and it runs 15 Primary Routes in the City of Flint. All the primary routes are connected through the MTA Customer Service Center, i.e. MTA Central Station. The Central Station is a 15-minute walk from Court Street, or a short bus ride away. The bus schedule indicates that the total time to travel from the MTA Customer Service Center to the last stop for the four lines that stop next to 800 East Court Street is less than one-half hour. Essentially every stop on each of the lines is less than one-half hour away.



There are three bus routes that stop in front of the building, Routes 7, 10, and 15. In addition, Route 9 stops a block away. See bus stop locations on the following page. Each full route is equal to or less than ¼ hour, and each route stops at 10 different locations. Included in this exhibit are maps of the following:

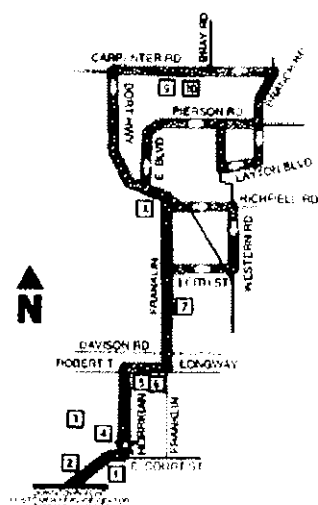
1. Main Service Map – Shows Primary Amenities within the 30 Minute Bus Route System
2. Route 7 – Franklin
3. Route 9 – Lapeer
4. Route 10 – Richfield Road
5. Route 15 – Dort Averill

... **RAMS** ...



Primary Route 7 - Franklin

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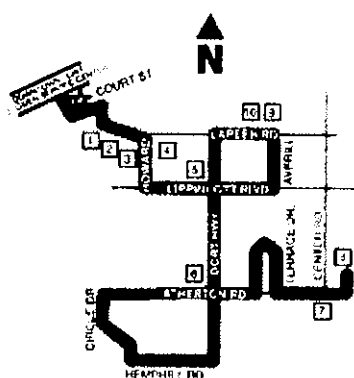
Points of Interest

1. Fichert Manor
2. YMCA
3. University of Michigan-Flint
4. Hott Community College
5. Hott Regional Tech Center
6. Hurley-Genevys Cancer Center
7. St. Mary's Parish Center
8. Whaley Park
9. Carpenter Rd. Elementary
10. Carpenter Rd. Apartments

To go to the Flint City Farmers Market, take primary route Luses 1-12 to the Downtown Transit Center.

Primary Route 9 - Lapeer Road

CONFIDENTIAL



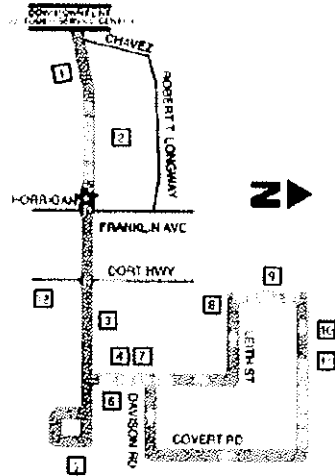
Points of interest

1. STAYE Body & Soul House Outpatient
2. Azusa Apartments
3. Howard Center
4. Food Bank of Eastern Michigan
5. Queen Chapel African Church
6. Disability Network/Dart Hall
7. Barton Library
8. Naper
9. Dart Federal Arena
10. Scott Elementary

Trains to the E at City Farmers' Market take primary route buses 1
12 to the Downtown Transit Center

Primary Route 10 - Richfield Road

Downloadable PDF Route Schedule

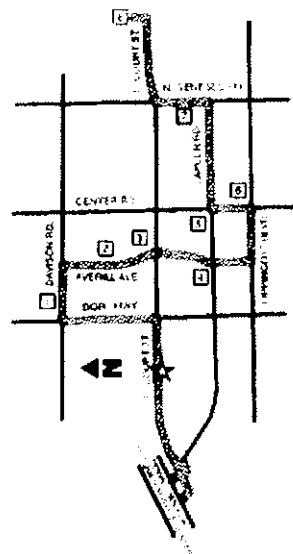


Points of Interest

1. Ricketts Manor
2. Holt Community College
3. Consumer's Energy
4. Goodwill Industries
5. Courtland Center
6. Genesis East Campus
7. CenterView Apartments
8. Potter School
9. Boys and Girls Club of Greater Falls
10. Maine Manor
11. Kroger
12. Annapolis Indian Trails, MEA

Trips to the Fiat City Forum 25 Market, Indianapolis, were buses 1
12 to the Downtown Transit Center

Primary Route 15 - Dort-Averill

Downloaded from <http://www.jstor.org/stable/2346186>

Points of interest

1. Baylen & Doni Federal Credit Union
2. Genesee Packaging Plant
3. Goodw
4. Knappside Industrial Truck Center
5. Doni Event Centre
6. Burton Urgent Care
7. Genesee Christan Elementary School
8. Wal-Mart - Court Street

The MTA also runs two programs, the "Your Ride Service" and "Senior Shopper Service".

The "Senior Shopper Service" picks residents up right in front of Court Street and takes them to Meijer on Mondays, Walmart on Thursdays and Kroger on Fridays. The MTA easy ride and shop schedule is attached to this exhibit. The fee for the Senior Shopper Service is \$1.75 for seniors 55-64 and \$.85 for seniors with a disability or who are 65 or older.

The "Your Ride Service" is a handicapped accessible personalized public transit service operates Monday – Friday from 6:30 a.m. to 10:30 p.m. Saturday from 6:30 a.m. to 10:30 p.m., and Sunday from 7:00 a.m. to 7:30 p.m. It is designed for use by persons who are unable to use fixed route bus service (those 65 years of age or older, or if a disability prevents them from using a fixed route). This curb-to-curb service is available throughout Genesee County to those who qualify. This service has a fare associated with its use and can be scheduled by the resident calling their local Your Ride Service Center. The fare is discounted for seniors, the disabled and poor.

Lastly, Court Street operates a seven-passenger van which takes residents to an array of services including any type of medical appointment, lab work and imaging, the bank/credit union, for social services appointments and to/from work. This van is free to all residents as Court Street covers the cost of the van through its operational budget. Residents call the Court Street main office at least 24 hours in advance to schedule the van service. They can potentially get same day appointments if the van has availability. As a courtesy, the van driver or Court Street office staff will call residents to remind them of their ride.

In addition to the van service Court Street provides; it also brings essential services to the residents. These include, but are not limited to, doctor visits, rehab services, a food pantry, groceries and goods to purchase, and a beautician.

The transportation services above allow the residents to access the following types of amenities:

- Health Care & Social Services
- Grocery Stores
- Recreational Facilities
- Civic Facilities
- Adult Education Facilities
- Other Neighborhood Amenities

Facility	Name	Address	Distance	Transportation
Health Care and Social Facilities	Court Street Kearsley Residence AKA Court Street Home	700 E. Kearsley	0.7 miles	Within 30 Minute Bus Route
Health Care and Social Facilities	Hurley Medical Center	1 Hurley Plaza, Flint, MI 48503	1.7 miles	Within 30 Minute Bus Route
Health Care and Social Facilities	Hamilton-Court Street Senior Health Center	In the building/onsite	n/a	Within Walking Distance
Health Care and Social Facilities	McLaren Regional Medical Center	401 S Ballenger Hwy, Flint, MI 48532	3 miles	Within 30 Minute Bus Route
Health Care and Social Facilities	VAAA	225 E. Fifth St. Flint, MI 48502	0.4 miles	Within Walking Distance
Health Care and Social Facilities	PACE	412 E. First, Flint, MI 48502	0.7 miles	Within 30 Minute Bus Route

Facility	Name	Address	Distance	Transportation
Health Care and Social Facilities	Red Cross	1401 S Grand Traverse St, Flint, MI 48503	1.2 miles	Within 30 Minute Bus Route
Health Care and Social Facilities	Disability Network	3600 Dort Hwy 54, Flint, MI 48507	4 miles	Within 30 Minute Bus Route
Grocery Store	Farmers Market	300 E. 1st St. Flint, MI 48502	0.5 miles	Within Walking Distance
Grocery Store	Sav-A-Lot	2918 Flushing Rd, Flint, MI 48504	4 miles	Within 30 Minute Bus Route
Grocery Store	Aldi	1054 S Center Rd, Burton, MI 48509	3 miles	Within 30 Minute Bus Route
Grocery Store and Other Neighborhood-Serving Amenities	Walmart	5323 E Court St N, Burton, MI 48509	3.8 miles	Within 30 Minute Bus Route
Grocery Store and Other Neighborhood-Serving Amenities	Walmart	4313 Corunna Rd, Flint, MI 48532	5 miles	Within 30 Minute Bus Route
Grocery Store and Other Neighborhood-Serving Amenities	Meijer	2333 S Center Rd, Burton, MI 48519	2.6 miles	Within 30 Minute Bus Route
Grocery Store and Other Neighborhood-Serving Amenities	Kroger	3288 Corunna Rd, Flint, MI 48532	2.8 miles	Within 30 Minute Bus Route
Recreational Facilities	Brennan Community Center	1301 Pingree, Flint, MI 48503	1.4 miles	Within 30 Minute Bus Route
Recreational Facilities	Woodlawn Park	1500 Woodlawn Park Dr, Flint, MI 48503	0.5 miles	Within Walking Distance
Recreational Facilities	Whaley Park	3817 N Franklin Ave, Flint, MI 48506	3 miles	Within 30 Minute Bus Route
Recreational Facilities	Burroughs Park	Flint, MI 48503	0.3 miles	Within Walking Distance
Recreational Facilities	Wilson Park	448 Wallenberg St, Flint, MI 48502	0.5 miles	Within Walking Distance
Recreational Facilities	YMCA	411 E. Third St., Flint, MI 48503	0.6 miles	Within 30 Minute Bus Route
Recreational Facilities	Capitol Theater	140 E. Second, Flint MI 48502	0.7 miles	Within 30 Minute Bus Route
Recreational Facilities	The Eberson	130 E. Second Flint, MI 48502	0.7 miles	Within 30 Minute Bus Route
Recreational Facilities	Flint Public Library	1026 Kearsley St. Flint, MI 48503	0.6 miles	Within 30 Minute Bus Route
Recreational Facilities	Cultural Center	1310 Kearsley St. Flint, MI 48503	0.6 miles	Within Walking Distance
Civic Facilities	City Hall	1101 S. Saginaw, Flint, MI 48502	0.7 miles	Within 30 Minute Bus Route

Facility	Name	Address	Distance	Transportation
Civic Facilities	St. Luke's Missionary Baptist Church	821 E. Court St., Flint MI 48503	700 ft.	Within Walking Distance
Civic Facilities	Flint Police	210 E 5th St, Flint, MI 48502	0.7 miles	Within 30 Minute Bus Route
Civic Facilities	Flint Fire Station #1	310 E. Fifth St, Flint, MI 48502	0.6 miles	Within 30 Minute Bus Route
Civic Facilities	Downtown Post Office	400 S. Saginaw Flint, MI 48502	0.9 miles	Within 30 Minute Bus Route
Civic Facilities	Social Security Office	2021 W Carpenter Rd, Flint, MI 48505	7 miles	Within 30 Minute Bus Route
Adult Educational Facilities	Mott Community College	1401 E. Court St. Flint, MI 48503	0.3 miles	Within Walking Distance
Other Neighborhood-Serving Amenities	Fairfield Village Association	727 East St. Flint, MI 48503	0.5 miles	Within Walking Distance
Other Neighborhood-Serving Amenities	Courtland Center Mall	4190 E. Court St. Burton, MI 48509	2.7 miles	Within 30 Minute Bus Route
Other Neighborhood-Serving Amenities	Dollar General	1835 E. Court St. Flint, MI 48503	0.7 miles	Within 30 Minute Bus Route
Other Neighborhood-Serving Amenities	Rite Aid	2838 E. Court St. Flint MI 48506	1.8 miles	Within 30 Minute Bus Route
Other Neighborhood-Serving Amenities	Chase	111 E. Court St. Flint, MI 48502	0.5 miles	Within Walking Distance
Other Neighborhood-Serving Amenities	Refinery Hair Co.	718 Harrison St. Flint, MI 48502	0.6 miles	Within 30 Minute Bus Route
Other Neighborhood-Serving Amenities	Diamond Cleaners	2147 S. Saginaw Flint, MI 48503	1.6 miles	Within 30 Minute Bus Route
Other Neighborhood-Serving Amenities	Farmer's Market	300 E. 1st St. Flint, MI 48502	0.5 miles	Within Walking Distance
Other Neighborhood-Serving Amenities	Temple Dining Room	755 Saginaw St, Flint, MI 48502	0.5 miles	Within Walking Distance
Other Neighborhood-Serving Amenities	Sweet Peaches Veggie Bistro	300 E 1st St #4pm, Flint, MI 48502	0.5 miles	Within Walking Distance
Other Neighborhood-Serving Amenities	Beirut Restaurant and Grocery	300 E 1st St, Flint, MI 48502	0.5 miles	Within Walking Distance
Other Neighborhood-Serving Amenities	Hallwood Plaza	4813 Clio Rd, Flint, MI 48504	7 miles	Within 30 Minute Bus Route
Other Neighborhood-Serving Amenities	Goodwill	4190 E Court St, Burton, MI 48509	3 miles	Within 30 Minute Bus Route
Other Neighborhood-Serving Amenities	Yorkshire Plaza	4290 Miller Rd, Flint, MI 48507	6 miles	Within 30 Minute Bus Route
Other Neighborhood-Serving Amenities	South Flint Plaza	4817 Fenton Rd, Flint, MI 48507	4 miles	Within 30 Minute Bus Route

The site has been well suited to attract elderly residents and with the addition of the HUD 202 funding is projected to make it even more attractive for lower income residents of the area.