

CITY OF FLINT, MICHIGAN
DEPARTMENT OF FINANCE
DIVISION OF PURCHASES & SUPPLIES



Sheldon A. Neeley, Mayor

PROJECT MANUAL FOR
CITY OF FLINT BID NO. 20000577
WATER POLLUTION CONTROL FILTER BUILDING
REPLACEMENT EXHAUST FANS

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CITY OF FLINT
DEPARTMENT OF FINANCE
DIVISION OF PURCHASES AND SUPPLIES
City Hall, 1101 S. Saginaw Street, Room 203 – Flint, Michigan 48502
(810) 766-7340 www.cityofflint.com

INVITATION TO BID

OWNER/RETURN TO:

THE CITY OF FLINT
FINANCE DEPARTMENT – DIVISION OF PURCHASES AND SUPPLIES
1101 S. SAGINAW ST., ROOM 203, 2nd FLOOR
FLINT, MI 48502

PROPOSAL NO: 20000577

SCOPE OF WORK:

The City of Flint, Finance Department of Purchases & Supplies, is soliciting sealed bids for providing:

**WATER POLLUTION CONTROL FILTER BUILDING
REPLACEMENT FANS**

Per the attached additional requirements.

If your firm is interested in providing the requested services, please submit one (1) original and two (2) printed copies of your detailed bid to the City of Flint, Finance Department of Purchases and Supplies, 1101 S. Saginaw St., Room 203, Flint, MI, 48502, by **May 6, 2020 at 1:00 PM (EST)**. Please note: all detailed bids received after 1:00 PM (EST) will not be considered. Bids must be in a sealed envelope clearly identifying the proposal and number. Faxed bids are not accepted.

All additional proposal documents, requirements, addendums, specifications, and plans/drawings (if utilized) are available on the Purchasing page of the City of Flint's web site at <https://www.cityofflint.com/finance/purchasing/bids-2/> under "open bids" and the specific bid or proposal number assigned to this notice.

New vendors should complete and submit a vendor application, IRS W-9 Form, and Vendor ACH Payment Authorization Form with the City of Flint. Links to these forms are available at <https://www.cityofflint.com/finance/accounts-payable-department/>

Results may be viewed next business day online EXCEPT when a bid is under review. The bidders/public will only see the names of the bidders that submitted a bid, not their cost. This will protect the bidders cost in case there is a re-bid. <https://www.cityofflint.com/finance/purchasing/results/> under "bid results".

Any questions regarding the proposal process may be directed to Joyce McClane in writing by no later than **April 27, 2020** before 3:00 PM to jmcclane@cityofflint.com.

Sincerely,



Joyce A. McClane, CPPB Purchasing Manager

The City of Flint may hold proposals for a period of 120 days from opening, for the purpose of reviewing the results and investigating the qualifications of proposal prior to making an award. The City of Flint reserves the right to waive any irregularities and accept or reject any or all bids submitted. Vendors located within the corporate city limits of Flint, Michigan may be given a seven percent (7%) competitive price advantage. Additionally, if the lowest responsible vendor is not located within the limits of the City of Flint, but is located within the county of Genesee and vendor does not exceed the bid of the lowest non-local bidder by more than three and one-half percent (3 ½), the County vendor may have a competitive advantage.

The City reserves the right to waive any irregularities and accept or reject any or all proposals submitted. The City is an equal opportunity employer.

The bidder acknowledges that by signing this document that he/she is duly authorized to make said offer on behalf of the company he/she represents and that said bid is genuine and not sham or collusive and not made in the interests or on behalf of any person not therein named, and that he/she and said bidder have not directly induced or solicited any other person(s) or corporation to refrain from responding to this solicitation and that he/she and said bidder have not in any manner sought by collusion to secure to himself/herself and said bidder any advantage over any other bidder.

INSTRUCTIONS TO VENDORS

- 1) **PRE-BID INFORMATION AND QUESTIONS:** Each bid that is timely received will be evaluated on its merit and completeness of all requested information. In preparing bids, Bidders are advised to rely only upon the contents of this Request for Proposals (RFP) and accompanying documents and any written clarifications or addenda issued by the City of Flint. If a Bidder finds a discrepancy, error or omission in the RFP package, or requires any written addendum thereto, the Bidder is requested to notify the Purchasing contact noted on the cover of this RFP, so that written clarification may be sent to all prospective Bidders. **THE CITY OF FLINT IS NOT RESPONSIBLE FOR ANY ORAL INSTRUCTIONS.** All questions must be submitted in writing to the Finance Department of Purchases and Supplies before any pre-bid deadline (if specified) or at least one (1) week prior to the proposal opening date indicated on the front of this document.
- 2) **RFP MODIFICATIONS:** The City of Flint has the right to correct, modify or cancel the RFP, in whole or in part, or to reject any Bid, in whole or in part, within the discretion of the City of Flint, or their designee. If any such changes are made, all known recipients of the RFP will be sent a copy of such changes. If any changes are made to this RFP document by any party other than the City of Flint, the original document in the City of Flint's files takes precedence.
- 3) **PROPOSAL SUBMISSION:**
 - a) The Bidder must include the following items, or the proposal may be deemed non-responsive:
 - i) All forms contained in this RFP, fully completed.
 - b) Bids must be submitted to the Finance Department of Purchases and Supplies, City of Flint, 1101 S. Saginaw Street, Room 203, Flint, Michigan 48502 by the date and time indicated as the deadline. The Purchasing Department time stamp will determine the official receipt time. It is each Bidder's responsibility to insure that their proposal is time stamped by the Purchasing Department by the deadline. This responsibility rests entirely with the Bidder, regardless of delays resulting from postal handling or for any other reasons. Proposals will be accepted at any time during the normal course of business only, said hours being 8:00 a.m. to 5:00 p.m. local time, Monday through Friday, legal holidays as exception.
 - c) Bids must be enclosed in a sealed, non-transparent envelope, box or package, and clearly marked on the outside with the following: RFP Title, RFP Number, Deadline and Bidder's name.
 - d) Submission of a bid establishes a conclusive presumption that the Bidder is thoroughly familiar with the Request for Proposals (RFP), and that the Contractor understands and agrees to abide by each and all of the stipulations and requirements contained therein.
 - e) All prices and notations must be typed or printed in ink. No erasures are permitted. Mistakes may be crossed out and corrections must be initialed in ink by the person(s) signing the bid.
 - f) Proposals sent by email, facsimile, or other electronic means will not be considered unless specifically authorized in this RFP.
 - g) All costs incurred in the preparation and presentation of the bid are the Bidder's sole responsibility; no pre-bid costs will be reimbursed to any Bidder. All documentation submitted with the proposal will become the property of the City of Flint.
 - h) Proposals must be held firm for a minimum of 120 days.

- 4) **EXCEPTIONS:** Bidder shall clearly identify any proposed deviations from the Terms or Scope in the Request for Proposals. Each exception must be clearly defined and referenced to the proper paragraph in this RFP. The exception shall include, at a minimum, the proposed substitute language and opinion as to why the suggested substitution will provide equivalent or better service and performance. If no exceptions are noted in the bid, the City of Flint will assume complete conformance with this specification and the successful Bidder will be required to perform accordingly. Bids not meeting all requirements may be rejected.
- 5) **DUPLICATE BIDS:** No more than one (1) bid from any Bidder including its subsidiaries, affiliated companies and franchises will be considered by the City of Flint. In the event multiple proposals are submitted in violation of this provision, the City will have the right to determine which bid will be considered or, at its sole option, reject all such multiple proposals.
- 6) **WITHDRAWAL:** Bids may only be withdrawn by written notice prior to the date and time set for the opening of bids. No bid may be withdrawn after the deadline for submission.
- 7) **REJECTION/GOOD STANDING:** The City of Flint reserves the right to reject any or all bids, or to accept or reject any bid in part, and to waive any minor informality or irregularity in bids received if it is determined by the City of Flint, or their designee, that the best interest of the City will be served by doing so. No bid will be considered from any person, firm or corporation in arrears or in default to the City on any contract, debt, taxes or other obligation, or if the Bidder is debarred by the City of Flint from consideration for a contract award pursuant to Section 18-21.5 (d) of Article IV of the "Purchasing Ordinance of the City of Flint".
- 8) **PROCUREMENT POLICY:** Procurement for the City of Flint will be handled in a manner providing fair opportunity to all businesses. This will be accomplished without abrogation or sacrifice of quality and as determined to be in the best interest of the City. The City of Flint and their officials have the vested authority to execute a contract, subject to City Council and Mayoral approval where required.
- 9) **BID SIGNATURES:** Bids must be signed by an authorized official of the Bidder Each signature represents binding commitment upon the Bidder to provide the goods and/or services offered to the City of Flint if the Bidder is determined to be the lowest Responsive and Responsible Bidder.
- 10) **CONTRACT AWARD/SPLIT AWARDS:** The City of Flint reserves the right to award by item, group of items, or total bid. The Bidder to whom the award is made will be notified at the earliest possible date. Tentative acceptance of the bid, intent to recommend award of a contract and actual award of the contract will be provided by written notice sent to the Bidder at the address designated in the bid if a separate Agreement is required to be executed. After a final award of the Agreement by the City of Flint, the Contractor/Vendor must execute and perform said Agreement. All proposals must be firm for at least 120 days from the due date of the proposal. If, for any reason, a contract is not executed with the selected Bidder within 14 days after notice of recommendation for award, then the City may recommend the next lowest responsive and responsible Bidder.
- 11) **NO RFP RESPONSE:** Bidders who receive this RFP but who do not submit a bid should return this RFP package stating "No Bid" and are encouraged to list the reason(s) for not responding. Failure to return this form may result in removal of the Bidder's name from all future lists.

- 12) **FREEDOM OF INFORMATION ACT (FOIA) REQUIREMENTS:** Bids are subject to public disclosure after the deadline for submission in accordance with state law.
- 13) **ARBITRATION:** Contractor agrees that for all claims, disputes, and other matters arising out of or relating to this agreement, Contractor must request the City's consent to arbitrate within 30 days from the date the Contractor knows or should have known the facts giving rise to the claim, dispute or question.
- (a) Notice of a request for arbitration must be submitted in writing by certified mail or personal service upon the Chief Legal Officer.
 - (b) Within 60 days from the date a request for arbitration is received by the City, the City shall inform Contractor whether it agrees to arbitrate. If the City does not consent, Contractor may proceed with an action in a court of competent jurisdiction within the State of Michigan. If the City does consent, then within 30 days of the consent each party shall submit to the other the name of one person to serve as an arbitrator. The two arbitrators together shall then select a third person, the three together shall then serve as a panel in all proceedings. Any unanimous decision of the three arbitrators shall be a final binding decision. The City's failure to respond to a timely, conforming request for arbitration is deemed consent to arbitration.
 - (c) The costs of the arbitration shall be split and borne equally between the parties and such costs are not subject to shifting by the arbitrator.
 - (d) Contractor's failure to comply with any portion (including timeliness) of this provision shall be deemed a permanent waiver and forfeiture of the claim, dispute, or question.
 - (e) This provision shall survive the expiration or termination of this Agreement in perpetuity.
- 14) **BID HOLD:** The City of Flint may hold bids for a period of one hundred twenty (120) days from opening, for the purpose of reviewing the results and investigating the qualifications of bidders prior to making an award.
- 15) **NONCOMPLIANCE:** Failure to deliver in accordance with specifications will be cause for the City of Flint and they may cancel the contract or any part thereof and purchase on the open market, charging any additional cost to the Contractor/Vendor.
- 16) **DISCLAIMER OF CONTRACTUAL RELATIONSHIP:** Nothing contained in these documents shall create any contractual relationship between the City and any Subcontractor or Sub-subcontractor.
- 17) **ERRORS AND OMISSIONS:** Bidder is not permitted to take advantage of any obvious errors or omissions in specifications.
- 18) **INTERPRETATION:** In the event that any provision contained herein shall be determined by a court of competent jurisdiction or an appropriate administrative tribunal to be contrary to the provision of law or to be unenforceable for any reason, then, to the extent necessary and possible to render the remainder of this Agreement enforceable, such provision may be modified or severed by such court or administrative tribunal having jurisdiction over this Agreement and the interpretation thereof, or the parties hereto, so as to, as nearly as possible, carry out the intention of the parties hereto, considering the purpose of the entire Agreement in relation to such provision.

- 19) **LAWS AND ORDINANCES:** The Bidder shall obey and abide by all of the laws, rules and regulations of the Federal Government, State of Michigan, Genesee County and the City of Flint, applicable to the performance of this Agreement, including, but not limited to, labor laws, and laws regulating or applying to public improvement, local government, and its operational requirements.
- 20) **LOCAL PREFERENCE:** Contractors/bidders located within the corporate city limits of Flint, Michigan may be given a seven percent (7%) competitive price advantage. Additionally, if the lowest responsible bidder is not located within the limits of the City of Flint, but is located within the County of Genesee, and said bidder does not exceed the bid of the lowest non-local bidder by more than three and one-half percent (3-1/2%), then said lowest Genesee County bidder may be determined to be the lowest responsible bidder, and make the award to such Genesee County bidder accordingly, subject to the approval of the City Council. If the lowest non-local bidder does not exceed that of any Proposers/bidders by (7%) inside the City of Flint or (3-1/2%) inside the County of Genesee, then the Purchasing Director shall be allowed to request that the lowest local vendor match the price offered by the lowest non-local vendor.
- 21) **MATERIAL WORKMANSHIP AND STANDARDS OF PERFORMANCE:** The Bidder agrees to exercise independent judgment and to complete performance under this Agreement in accordance with sound professional practices. In entering into this Agreement, the City is relying upon the professional reputation, experience, certification and ability of the Bidder by her/him/themselves or by others employed by her/him/them and working under their direction and control. The continued effectiveness of this Agreement during its term or any renewal term shall be contingent, in part, upon the Bidder maintaining her/his/their operating qualifications in accordance with the requirements of federal, state and local laws. All materials furnished must be new, of latest model and standard first grade quality, or best workmanship and design, unless otherwise expressly specified. Bidder, if required, must furnish satisfactory evidence of quality materials; offers of experimental or unproven equipment may be disregarded.
- 22) **MODIFICATIONS/CHANGES:** Any modification to this agreement must be in writing and signed by the authorized employee, officer, board or council representative authorized to make such modifications pursuant to the State law and local ordinances.
- 23) **NON-COLLUSION:** The Bidder acknowledges that by signing this document that she/he/they is/are duly authorized to make said offer on behalf of the company she/he/they represent(s) and that said bid is genuine and not sham or collusive and not made in the interests or on behalf of any person not therein named, and that she/he/they and said bidder have not directly induced or solicited any other person(s) or corporation to refrain from responding to this solicitation and that she/he/they and said bidder have not in any manner sought by collusion to secure to themselves and said bidder any advantage over any other bidder.
- 24) **NON-DISCRIMINATION:** Pursuant to the requirements of 1976 P.A. 453 (Michigan Civil Rights Act) and 1976 P.A. 220 (Michigan Handicapped Rights Act), the local unit and its agent agree not to discriminate against any employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment or a matter directly or indirectly related to employment because of race, color, religion, national origin, age, sex, height, weight, marital status or because of a handicap that is unrelated to the person's ability to perform the duties of nondiscrimination provision identical to this provision and binding upon any and all contractors and subcontractors. A breach of this covenant shall be regarded as a material

breach of this contract.

- 25) **SUBCONTRACTING:** No subcontract work shall be started prior to the written approval of the subcontractor by the City. The City reserves the right to accept or reject any subcontractor.
- 26) **UNION COMPLIANCE:** Bidder agrees to comply with all regulations and requirements of any national or local union(s) that may have jurisdiction over any of the materials, facilities, services or personnel to be furnished by the City.
- 27) **WAIVER:** Failure of the City to insist upon strict compliance with any of the terms, covenants or conditions of this Agreement shall not be deemed a waiver of that term, covenant or condition or of any other term, covenant or condition. Any waiver or relinquishment of any right or power hereunder at any one or more times shall not be deemed a waiver or relinquishment of that right or power at any other time.
- 28) **CITY INCOME TAX WITHHOLDING:** Contractor and any subcontractor engaged in this contract shall withhold from each payment to his employees the City income tax on all of their compensation subject to tax, after giving effect to exemptions, as follows:
- a) Residents of the City:
At a rate equal to 1% of all compensation paid to the employee who is a resident of the City of Flint.
 - b) Non-residents:
At a rate equal to 1/2% of the compensation paid to the employee for work done or services performed in the City of Flint.
- These taxes shall be held in trust and paid over to the City of Flint in accordance with City ordinances and State law. Any failure to do so shall constitute a substantial and material breach of this contract.
- 29) **CONTRACT DOCUMENTS:** The invitation for proposal, instructions to proposal, proposal, affidavit, addenda (if any), statement of Bidder's qualifications (when required), general conditions, special conditions, performance bond, labor and material payment bond, insurance certificates, technical specifications, and drawings, together with this agreement, form the contract, and they are as fully a part of the contract as if attached hereto or repeated herein.
- 30) **DISCLAIMER OF CONTRACTUAL RELATIONSHIP WITH SUBCONTRACTORS:** Nothing contained in the Contract Documents shall create any contractual relationship between the City and any Subcontractor or Sub-subcontractor.
- 31) **EFFECTIVE DATE:** Any agreement between the City and the Bidder shall be effective upon the date that it is executed by all parties hereto.
- 32) **FORCE MAJURE:** Neither party shall be responsible for damages or delays caused by Force Majeure nor other events beyond the control of the other party and which could not reasonably have anticipated the control of the other party and which could not reasonably have been anticipated or prevented. For purposes of this Agreement, Force Majeure includes, but is not limited to, adverse weather conditions, floods, epidemics, war, riot, strikes, lockouts, and other industrial disturbances; unknown site conditions, accidents, sabotage, fire, and acts of God. Should Force Majeure occur, the parties shall mutually agree on the terms and conditions upon which the services may continue.

- 33) **INDEMNIFICATION:** To the fullest extent permitted by law, Bidder agrees to defend, pay on behalf of, indemnify, and hold harmless the City of Flint, its elected and appointed officials, employees and volunteers and others working on behalf of the City of Flint, including the Project Manager, against any and all claims, demands, suits, or losses, including all costs connected therewith, and for any damages which may be asserted, claimed, or recovered against or from the City of Flint, its elected and appointed officials, employees, volunteers or others working on behalf of the City of Flint, by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, which may arise as a result of Bidder's acts, omissions, faults, and negligence or that of any of his employees, agents, and representatives in connection with the performance of this contract. Should the Bidder fail to indemnify the City in the above-mentioned circumstances, the City may exercise its option to deduct the cost that it incurs from the contract price forthwith. *These provisions shall survive the termination or expiration of any agreement entered into as a result of this request.*
- 34) **INDEPENDENT CONTRACTOR:** No provision of this contract shall be construed as creating an employer-employee relationship. It is hereby expressly understood and agreed that Bidder is an "independent contractor" as that phrase has been defined and interpreted by the courts of the State of Michigan and, as such, Bidder is not entitled to any benefits not otherwise specified herein.
- 35) **NO THIRD-PARTY BENEFICIARY:** No contractor, subcontractor, mechanic, material man, laborer, vendor, or other person dealing with the principal Contractor shall be, nor shall any of them be deemed to be, third-party beneficiaries of this contract, but each such person shall be deemed to have agreed (a) that they shall look to the principal Contractor as their sole source of recovery if not paid, and (b) except as otherwise agreed to by the principal Contractor and any such person in writing, they may not enter any claim or bring any such action against the City under any circumstances. Except as provided by law, or as otherwise agreed to in writing between the City and such person, each such person shall be deemed to have waived in writing all rights to seek redress from the City under any circumstances whatsoever.
- 36) **NON-ASSIGNABILITY:** Contractor shall not assign or transfer any interest in this contract without the prior written consent of the City provided, however, that claims for money due or to become due to Contractor from the City under this contract may be assigned to a bank, trust company, or other financial institution without such approval. Notice of any such assignment or transfer shall be furnished promptly to the City.
- 37) **NON-DISCLOSURE/CONFIDENTIALITY:** Contractor agrees that the documents identified herein as the contract documents are confidential information intended for the sole use of the City and that Contractor will not disclose any such information, or in any other way make such documents public, without the express written approval of the City or the order of the court of appropriate jurisdiction or as required by the laws of the State of Michigan.
- 38) **RECORDS PROPERTY OF CITY:** All documents, information, reports and the like prepared or generated by Contractor as a result of this contract shall become the sole property of the City of Flint.
- 39) **SEVERABILITY:** In the event that any provision contained herein shall be determined by a court or administrative tribunal to be contrary to a provision of state or federal law or to be unenforceable for any reason, then, to the extent necessary and possible to render the remainder of this Agreement enforceable, such provision may be modified or severed by such court or administrative tribunal so as to, as nearly as possible, carry out the intention of the parties hereto, considering the purpose of the entire Agreement in

relation to such provision. The invalidation of one or more terms of this contract shall not affect the validity of the remaining terms.

- 40) **TERMINATION:** This contract may be terminated by either party hereto by submitting a notice of termination to the other party. Such notice shall be in writing and shall be effective 30 days from the date it is submitted unless otherwise agreed to by the parties hereto. Contractor, upon receiving such notice and prorated payment upon termination of this contract shall give to the City all pertinent records, data, and information created up to the date of termination to which the City, under the terms of this contract, is entitled.
- 41) **TIME PERFORMANCE:** Contractor's services shall commence immediately upon receipt of the notice to proceed and shall be carried out forthwith and without reasonable delay.
- 42) **EVALUATION OF PROPOSAL:** In the City's evaluation of proposals, at minimum: cost, serviceability, financial stability, and all requirements set forth in this document shall be considered as selection and award criteria unless otherwise specified.
- 43) **PREVAILING WAGE:** When applicable, all work for state and federal funded projects must meet Davis-Bacon Act requirements and full prevailing wage. Information on Davis-Bacon reporting and requirements, including payroll reporting, can be found at: <https://www.dol.gov/whd/govcontracts/dbra.htm>
- 44) **Compensation:** The City shall pay for such services as have been set forth herein within 45 days of submission of proper invoices, releases, affidavits, and the like. Notwithstanding, the contract price shall not to exceed \$(INSERT AUTHORIZED AMOUNT). Contractor recognizes that the City does not guarantee it will require any set amount of services. Contractor's services will be utilized as needed and as determined solely by the City of Flint. Contractor expressly acknowledges that it, without limitation, has no right to payment of an amount exceeding the amount set forth in this Section. Contractor agrees that oral agreements by City officials to pay a greater amount are not binding.
 - (a) Contractor shall submit itemized invoices for all services provided under this Agreement identifying:
 - (i) The date of service
 - (ii) The name of person providing the service and a general description of the service provided.
 - (iii) The unit rate and the total amount due.

Invoices shall be submitted to:

City of Flint
Accounts Payable
P.O. Box 246
Flint, MI 48501-0246

It is solely within the discretion of the City as to whether Contractor has provided a proper invoice. The City may require additional information or waive requirements as it sees fit.

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PROPOSAL NO. 20000577 – WPC – FILTER BUILDING REPLACEMENT EXHAUST FANS

SCOPE OF SERVICES

The City of Flint Water Pollution Control Plant (herein referred to as WPC) is seeking to replace four (4) old, failing exhaust fans at its filter (dewatering) building. This bid shall include all materials normally associated with exhaust fans. WPC shall have the final decision on all materials, equipment, and recommendations.

GENERAL

Shall be Model TTABD 18TF epoxy coated, 3HP, 460 volt 3-phase, Belt Driven Type T Tubeaxial, arrangement 9, as manufactured by Aerovent, Minneapolis, Minnesota. Fans shall be tested and certified in accordance with ANSI/ASHRAE 51-1985 and ANSI/ AMCA 210-85 test codes and guaranteed by the manufacturer to deliver at the rated published performance levels. In addition, each unit shall be factory run tested prior to shipment.

CONSTRUCTION

Fan casings shall be welded of 10 gauge hot rolled steel in sizes through 22" diameter, 7 gauge hot rolled steel from 29" through 43" diameter. Inlet and outlet flanges shall be of welded angle ring construction on fan casings through 15" diameter and fan casings of 54" and 60" diameter. Inlet and outlet flanges on 18" through 48" diameter shall be integrally rolled from fan casing sheet steel to ensure concentricity and alignment of flanges. Concentricity of fan casings shall be insured through the use of welding jigs and fixtures. The motor base shall be fabricated of minimum 3/16" steel plate and welded to the exterior of the fan casing. The adjustment of belt tension shall be accomplished with an adjustable slide rail base. Fan casings shall be fitted with mounting legs for horizontal floor support, horizontal clips for ceiling suspension, vertical clips for floor or ceiling suspension, or flange mounted for direct duct connection as shown on drawings. Fan mounting supports shall be fabricated from hot rolled steel and shall be suitably braced to insure stability and rigidity.

PROPELLER

The propeller shall be cast from A319 aluminum, and shall have seven airfoil blades and a malleable iron split-taper bushing for mounting to the fan shaft. The blade angle setting shall be 34 degrees at a 0.75 radius. Fans shall have the propeller mounted on a separate shaft and bearings in an enclosed tube.

GUIDE VANES

Removable fan discharge guide vane sections shall be furnished where specified. Guide vane sections shall be designed to provide for maximum efficiency and straightening of the airflow. A quantity of eleven (11) accurately die-formed stationary guide vanes of 14-gauge hot rolled steel in sizes through 48" diameter, and 10-gauge hot rolled steel in sizes 54" and 60" diameter shall be welded inside the fan housing downstream of the propeller to straighten the airflow and insure optimum fan performance.

**PROPOSAL NO. 20000577 – WPC – FILTER BUILDING
REPLACEMENT EXHAUST FANS**

SCOPE OF SERVICES

BEARINGS

All fans shall be supplied with sealed pillow block bearings with grease lines brought to the outside of the fan casing to facilitate servicing. Bearings shall have a minimum L-10 life as defined by AFBMA of at least 20,000 hours (100,000 hours average life).

DRIVE

Sheaves shall be cast iron with static conducting belts. Bearings and belts are enclosed in an air insulated housing for protection and shall utilize V-belt drives with a 1.3 safety factor. An OSHA-type belt guard shall be provided for personnel protection.

MOTOR

Fan motors shall be foot mounted NEMA Design B, standard industrial continuous duty, ball bearing (ODP, TEAO, TEFC, FCXP) variable torque type suitable for operation on voltage, phase, and hertz, as listed in the fan schedule.

BALANCING

The propeller assembly shall be statically and dynamically balanced in accordance with ANSI/AMCA 204-96 "Balance Quality and Vibration Levels for Fans" to Fan Application Category BV-3, Balance Quality Grade G6.3. In addition, belt driven fan propellers shall be balanced on the fan shaft after final assembly in the fan casing, in the manufacturing facility, to the following peak velocity values, filter-in, at the fan test speed: Fan Application Category Rigidly Mounted - (in./s) Flexibly Mounted - (in./s) BV-3 0.15 0.20

FINISH

The unit, after fabrication, shall be cleaned and chemically pretreated by a phosphatizing process and shall be painted inside and outside with an air dry enamel. Fan shall be coated with the following optional finish: w Air Dry Epoxy w Epoxy Phenolic w Farboil - Baked Aromatic Epoxy w Plastite 4310 - Vinyl Ester w Plastite 3070 - Baked Phenolic w Plastite 7122/Heresite VR506 - Epoxy Phenolic w Carbocoat 30 (Replaces Sanitile 550 and Eisenheiss 210)

**PROPOSAL NO. 20000577 – WPC – FILTER BUILDING
REPLACEMENT EXHAUST FANS**

Submission Location

City of Flint
C/O Joyce McClane
Finance Department – Division of Purchases and Supplies
1101 S. Saginaw Street, Room 203
Flint, MI 48502
Phone: (810) 766-7426 ext. 2902

Insurance

The contractor shall notify all insurance agents and companies retained by the contractor that these insurance requirements shall be included in any agreement between the contractor and the City of Flint.

The City of Flint is an Equal Opportunity Employer

Notice of Incomplete Proposal

Proposals deemed to be incomplete according to the Proposal Requirements and requested certification will not be considered. The contractor will not be allowed an additional opportunity to supplement its submittal.

New vendors are required to complete and submit an IRS W-9 Form.

ONLY awarded bidder will need to complete a Vendor ACH Form with the City of Flint. Link is available at <https://www.cityofflint.com/finance/accounts-payable-department/>

NOTICE TO PROCEED:

No work on this project shall commence without prior written notice to proceed from the project manager.

**PROPOSAL NO. 2000577 – WPC – FILTER BUILDING
REPLACEMENT EXHAUST FANS**

BID FORM

Qty	Item to be Quoted	Unit Cost	Totals
4	Aerovent Model TTABD 18TF epoxy coated, 3HP, 460 volt 3- phase		
Total Bid Amount			

1. Failure to use this bid form shall result in bid disqualification.
2. Failure to bid on all items shall result in an "incomplete bid" determination.
3. **List value-added considerations on a separate sheet of paper.**

Terms: _____ Dest: _____ Fed. ID#: _____

CONTRACTOR NAME: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

PHONE: _____ FAX: _____

SIGNED: _____ DATE: _____

PRINTED: _____ TITLE: _____

YOU MUST SUBMIT A CERTIFICATE OF INSURANCE FOR THIS PROJECT

**PROPOSAL NO. 20000577 – WPC – FILTER BUILDING
REPLACEMENT EXHAUST FANS**

Certification, Licensing, Debarment, Suspension and Other Responsibilities: Contractor warrants and certifies that Contractor and/or any of its principals are properly certified and licensed to perform the duties required by this contract in accord with laws, rules, and regulations, and is not presently debarred, suspended, proposed for debarment or declared ineligible for the award of any Federal contracts by any Federal agency. Contractor may not continue to or be compensated for any work performed during any time period where the debarment, suspension or ineligibility described above exists or may arise in the course of Contractor contractual relationship with the City. Failure to comply with this section constitutes a material breach of this Contract. Should it be determined that contractor performed work under this contract while in non-compliance with this provision, Contractor agrees to reimburse the City for any costs that the City must repay to any and all entities.

Contractor must sign:

Authorize Signature

**PROPOSAL NO. 20000577 – WPC – FILTER BUILDING
REPLACEMENT EXHAUST FANS**

**CITY OF FLINT, MICHIGAN AFFIDAVIT
AFFIDAVIT FOR INDIVIDUAL**

STATE OF _____

S.S.

COUNTY OF _____

_____ being duly sworn,
deposes and says that he is the person making the above bid; and that said bid is genuine and not sham or
collusive, and is not made in the interest of or on behalf of any person not therein named, and that he has not
directly or indirectly induced or solicited any bidder to put in a sham bid; that he has not directly or indirectly
induced or solicited any other person or corporation to refrain from bidding, and that he has not in any manner
sought by collusion to secure himself any advantage over other bidders.

Subscribed and sworn to before me at _____, in said County and State,

this _____ day of _____, A.D. 20_____,

*Notary Public, _____ County, _____

My Commission expires _____, 20_____

**PROPOSAL NO. 20000577 – WPC – FILTER BUILDING
REPLACEMENT EXHAUST FANS**

FOR CORPORATION

STATE OF _____

S.S.

COUNTY OF _____

_____ being duly sworn, deposes and says that she/he/they

is _____ of _____
(Official Title) (Name of Corporation)

a corporation duly organized and doing business under the laws of the State of _____ the corporation making the within and foregoing bid; that he executed said bid in behalf of said corporation by authority of its Board of Directors; that said bid is genuine and not sham or collusive and is not made in the interests of or on behalf of any person not herein named, and that he has not and said bidder has not directly or indirectly induced or solicited any other person or corporation to refrain from bidding; that he has not and said bidder has not in any manner sought by collusion to secure to himself or to said corporation an advantage over other bidders.

Subscribed and sworn to before me at _____, in said County and State,

this _____ day of _____, A.D. 20_____,

*Notary Public, _____ County, _____

My Commission expires _____, 20_____

**PROPOSAL NO. 20000577 – WPC – FILTER BUILDING
REPLACEMENT EXHAUST FANS**

FOR PARTNERSHIP

STATE OF _____

S.S.

COUNTY OF _____

_____ being duly sworn,
deposes and says that he is a member of the firm of _____, a co-
partnership, making the above bid; that he is duly authorized to make said bid on behalf of said co-partnership;
that said bid is genuine and not sham of collusive, and is not made in the interest of or on behalf of any person
not therein named, and that he has and said bidder has not directly or indirectly induced or solicited any other
person or corporation to refrain from bidding, and that he has not and said bidder has not in any manner sought
by collusion to secure to himself or to said bidder any advantage over other bidders.

Subscribed and sworn to before me at _____, in said County and State,

this _____ day of _____, A.D. 20____,

*Notary Public, _____ County, _____

My Commission expires _____, 20____

**PROPOSAL NO. 20000577 – WPC – FILTER BUILDING
REPLACEMENT EXHAUST FANS**

FOR AGENT

STATE OF _____

S.S.

COUNTY OF _____

_____ being duly sworn, deposes and says that he executed the within and foregoing bid in behalf of _____, the bidder therein named, he having been theretofore lawfully authorized, as the agent of said bidder, so to do; that said bid is genuine and not sham or collusive and not made in the interests of or on behalf of any person not therein named, and that he has not and said bidder has not directly or indirectly induced or solicited any bidder to put in a sham bid; that he has not and said bidder has not directly or indirectly induced or solicited any other person or corporation to refrain from bidding, and that he has not and said bidder has not in any manner sought by collusion to secure to himself or to said bidder any advantage over other bidders.

Subscribed and sworn to before me at _____, in said County and State,
this _____ day of _____, A.D. 20 _____,

*Notary Public, _____ County, _____

My Commission expires _____, 20 _____

NOTE: If executed outside of the State of Michigan, certificate by the Clerk of the Court of Record, authenticating the Notary's Signature and authority should be attached.