**City of Flint**

**Water Supply Option Analysis**

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| Option | Interim Source | Primary Source | Back-Up Source | Cost  NPV – 20yr. | Public \*  Health | Cost | Risk/ \*\*  Reliability | Time  (Primary Source) |
| 1 | GCDC | Flint WTP w/ WWTP residual discharge | Raw Water Reservoir;  Distribution Storage | $323M | 3 | 4 | 3 | 3 |
| 2 | GCDC | GCDC | GCDC | $311M | 2 | 3 | 2 | 2 |
| 3A;3B | GCDC | A.Flint WTP w/ on-site residual processing  B. Flint WTP w/ WWTP residual discharge of residuals | GCDC | $313M  $303M | 3 | 2 | 2 | 3 |
| 4 | GLWA | GLWA | GLWA  (GCDC) | $269M | 1 | 1 | 1 | 1 |
| 5 | GLWA | GLWA (until July, 2018) then  GCDC | GCDC | $335M | 2 | 6 | 1 | 2 |
| 6A;6B | GLWA | A.Flint WTP with on-site residual processing  B.Flint WTP with WWTP discharge of residuals | GLWA | $364M  $354M | 2 | 7 | 1 | 3 |
| 7A;7B | GLWA | A.Flint WTP with on-site residual processing  B.Flint WTP with WWTP discharge of residuals | GCDC | $337M  $327M | 2 | 5 | 1 | 3 |
| 8 | GLWA | GCDC | Flint WTP | $456M | 3 | 8 | 1 | 2 |
| 9 | GLWA | GLWA | Flint WTP | $482M | 1 | 9 | 1 | 1 |

\*reflects number of required water source changes; not indicative of the quality of any individual water source  
\*\* Indication of reliable capacity available for Flint

NPV= Net Present Value (- 20 year projection)