**City of Flint**

**Water Supply Option Analysis**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Option | Interim Source | Primary Source |  Back-Up Source |  CostNPV – 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) thenGCDC  | GCDC |  $335M |  2 |  6 |  1 |  2 |
| 6A;6B | GLWA | A.Flint WTP with on-site residual processingB.Flint WTP with WWTP discharge of residuals | GLWA |  $364M $354M |  2 |  7 |  1 |  3 |
| 7A;7B | GLWA | A.Flint WTP with on-site residual processingB.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)