



ESTIMATED FUTURE SEWER SYSTEM PROJECT FUNDING AND REVENUES

Fiscal Year	Annual Revenues / Expenses					Annual Project Expenses							Account Balances		
	Sewer Operating Revenues <sup>1</sup>	1/2 Cent Sales Tax Revenues <sup>5</sup>	Annual Operating Expenses <sup>2</sup>	Sewer Depreciation Funding <sup>7</sup>	Retiring Debt Payments <sup>5</sup>	Annual Sewer Maintenance Project <sup>8</sup>	WWTP Upgrade Project	Prafke Addition & Sewer Capacity	Coal Run Creek (IEPA Funded Components) <sup>9</sup>	Coal Run Creek (City Funded Components) <sup>3,4,7</sup>	Unsewered Area Project <sup>4</sup>	Southeast Annex Area	Sewer Operating Balance	Sewer Construction Fund Balance	Sewer Depreciation Balance
2016	\$1,866,760.00		(\$1,085,889.13)	(\$100,000.00)	(\$40,000.00)	(\$70,000.00)	(\$25,000.00)			(\$142,000.00)			\$390,000.00	\$390,000.00	\$879,000.00
2017	\$2,800,000.00		(\$1,722,500.00)	(\$100,000.00)		(\$145,000.00)	(\$50,283.18)			(\$255,000.00)		(\$400,000.00)	\$127,216.82	\$517,216.82	\$979,000.00
2018	\$2,800,000.00		(\$1,774,175.00)	(\$200,000.00)		(\$50,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)			(\$290,000.00)	\$245,256.82	\$762,473.64	\$1,179,000.00
2019	\$2,800,000.00		(\$1,827,400.25)	(\$200,000.00)		(\$50,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$500,000.00)			(\$17,968.43)	\$744,505.21	\$1,379,000.00
2020	\$2,800,000.00		(\$1,882,222.26)	(\$121,000.00)		(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$500,000.00)			(\$43,790.44)	\$700,714.77	\$1,500,000.00
2021	\$2,800,000.00		(\$1,938,688.93)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$500,000.00)			\$20,742.89	\$721,457.67	\$1,500,000.00
2022	\$2,800,000.00		(\$1,996,849.59)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$500,000.00)			(\$37,417.77)	\$684,039.89	\$1,500,000.00
2023	\$2,800,000.00		(\$2,056,755.08)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$500,000.00)			(\$97,323.26)	\$586,716.63	\$1,500,000.00
2024	\$2,800,000.00		(\$2,118,457.73)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$350,000.00)			(\$9,025.91)	\$577,690.72	\$1,500,000.00
2025	\$2,800,000.00		(\$2,182,011.47)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$350,000.00)			(\$72,579.65)	\$505,111.08	\$1,500,000.00
2026	\$2,800,000.00		(\$2,247,471.81)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$250,000.00)			(\$38,039.99)	\$467,071.09	\$1,500,000.00
2027	\$2,800,000.00		(\$2,314,895.96)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$200,000.00)			(\$55,464.14)	\$411,606.94	\$1,500,000.00
2028	\$2,800,000.00		(\$2,384,342.84)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$200,000.00)			(\$124,911.02)	\$286,695.92	\$1,500,000.00
2029	\$2,940,000.00		(\$2,455,873.13)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$200,000.00)			(\$56,441.31)	\$230,254.61	\$1,500,000.00
2030	\$2,940,000.00		(\$2,529,549.32)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$50,000.00)			\$19,882.50	\$250,137.11	\$1,500,000.00
2031	\$2,940,000.00		(\$2,605,435.80)			(\$50,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$50,000.00)			(\$6,003.98)	\$244,133.13	\$1,500,000.00
2032	\$2,940,000.00		(\$2,683,598.88)			(\$50,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$50,000.00)			(\$84,167.06)	\$159,966.08	\$1,500,000.00
2033	\$2,940,000.00		(\$2,764,106.84)			(\$50,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)				(\$114,675.02)	\$45,291.05	\$1,500,000.00
2034	\$2,940,000.00	\$506,000.00	(\$2,847,030.05)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$100,000.00)			\$158,401.77	\$203,692.83	\$1,500,000.00
2035	\$2,940,000.00	\$506,000.00	(\$2,932,440.95)			(\$100,000.00)	(\$50,283.18)	(\$100,285.00)	(\$90,000.00)	(\$200,000.00)			(\$27,009.13)	\$176,683.70	\$1,500,000.00
2036	\$2,940,000.00	\$506,000.00	(\$3,020,414.18)			(\$100,000.00)	(\$25,000.00)	(\$100,285.00)	(\$90,000.00)	(\$200,000.00)			(\$89,699.18)	\$86,984.52	\$1,500,000.00
2037	\$3,087,000.00	\$506,000.00	(\$3,111,026.60)			(\$100,000.00)		(\$100,285.00)	(\$90,000.00)	(\$200,000.00)			(\$8,311.60)	\$78,672.92	\$1,500,000.00
2038	\$3,087,000.00	\$506,000.00	(\$3,204,357.40)			(\$100,000.00)				(\$250,000.00)			\$38,642.60	\$117,315.52	\$1,500,000.00

- Notes:
- Sewer Operating Revenues are projected to remain unchanged until FY 2029. Any change in this will positively impact construction ability as the last rate change was in 2008. This issue should be looked at a minimum of every five years due to the fact that with a projected increase rate of 3% annually for expenses these revenues if not adjusted periodically will not be sufficient to meet the City's needs if the projection is met.
  - For estimation Annual Operating Expenses are projected to increase by 3% annually.
  - Coal Run Creek Project (City Funded)**
    - FY 16 expense will complete the engineering work for the project.
    - FY 2017 - Project will be phased to complete the Liz-Mar work and dredge Coal Run Creek.
    - FY 2018-2038 - Project will be phased to install storm sewer systems based on available annual budget
  - Funding for any potential unsewered area project could come either from construction fund balances or by obligating proposed Coal Run Creek project expenses to the unsewered area project
  - For FY 16 this payment will be a portion of the Kent Street Interceptor Loan Cost
  - Additional 1/2 Cent Sales Tax revenues will be available for infrastructure projects beginning in FY 2034 based on the retirement of the Kent Street Interceptor debt service.
  - Sewer Depreciation funding is shown to cease in FY 2020 due to the fact that is when the sewer depreciation account reaches the \$1,500,000 mark in accordance with the City's financial policies. Should an emergency project be required subsequent to that, one proposal to ensure that the account remains at the required level would be to use the depreciation account funds and then in a subsequent fiscal year refund the depreciation account by adjusting the Coal Run Creek budget.
  - For FY 2017 the maintenance project shall be the storm sewer component of the Eastwood Avenue project.
  - Coal Run Creek IEPA Funded Projects are being presented as an alternative to utilize IEPA low interest loan funds for at least the first \$2,000,000 worth of projects so that sewer construction cash on hand remains above \$400,000 until at least 2027 in the event that a large unsewered neighborhood is available for annexation but grant or low interest loan funds are not available. Under this proposal the City could self finance a large scale project without relying on outside funds.