

ELECTRIC ADVANCED METERING INFRASTRUCTURE METERS

Energy Delivery

Board of Public Utilities
December 9, 2024

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1

BACKGROUND

1. January 28, 2019: the Board of Public Utilities approved the Electric Advanced Metering Infrastructure (AMI) project, which included purchase and installation of 25,000 Itron electric meters with a factory-integrated Tantalus AMI module (AMI meters), as well as the software, communication devices, and associated equipment
2. Initial project successfully completed in 2021
3. Since then, RPU has continued to install the new standard electric AMI meters, utilizing on-going annual operating budgets
4. To date, a total of 38,445 AMI meters have been installed, including 14,293 commercial and industrial and 24,152 residential



2

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2

APPROVAL REQUEST

1. Utilize funds from the previously approved 5-year capital budget to purchase the remaining 80,000 electric AMI meters needed to reach full AMI implementation
2. Issue annual purchase orders to McAvoy & Markham, in the not to exceed amount of \$15,350,000, to purchase 80,000 AMI meters with factory-integrated Tantalus modules
3. Itron and Tantalus have guaranteed pricing for the 5-year period, with 5% increases each year over the next five years
4. Each meter requires a lock-ring device, which cost approximately \$20 each, and are stock items purchased through the Purchasing Department's Central Store
5. The total cost of each meter delivered in 2025 is \$205.36, inclusive of lock-ring and current sales tax



3

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3

FISCAL IMPACT

1. The total fiscal impact is \$25,250,000
2. Fiscal Year 24/25 funds are available in Account 6130200-470823 System Automation – Advanced Metering Infrastructure
3. Future year funding will be included in bi-annual budget process

	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	TOTAL
Capital Budget	\$3,778,278	\$3,798,331	\$3,843,801	\$3,861,888	\$1,962,068	\$17,244,367
Labor	\$1,839,800	\$1,839,800	\$1,773,200	\$1,711,700	\$835,500	\$8,000,000
Meter Count	18,398	18,398	17,732	17,117	8,355	80,000






4

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4

STRATEGIC PLAN ALIGNMENT

Strategic Priorities

-  No. 2 – Community Well-Being
-  No. 4 – Environmental Stewardship
-  No. 6 – Infrastructure, Mobility & Connectivity

Cross-Cutting Threads

-  Community Trust
-  Equity
-  Fiscal Responsibility
-  Innovation
-  Sustainability & Resiliency



5

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5

RECOMMENDATIONS

That the Board of Public Utilities:

1. Approve Work Order No. 2508277 in the amount of \$25,250,000;
2. Approve the purchase of 80,000 additional electric meters with McAvoy and Markham, for fiscal years 2024-2025 through 2028-2029, in the not to exceed amount of \$15,350,000; and
3. Authorize the City Manager, or his designee, to execute any documents necessary to effectuate the contract described herein, as well as the ability to make minor and non-substantive changes in alignment with all purchasing policies.



6

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6