



GRID RESILIENCE AND INNOVATION PARTNERSHIP (GRIP) GRANT APPLICATION FOR ADVANCED METER PROGRAM-FULL DEPLOYMENT

Riverside Public Utilities, Energy Delivery

City Council
March 14, 2023

RiversideCA.gov

1

ADVANCED METERING INFRASTRUCTURE

AMI is a system of:

1. **Advanced meters**
2. **Communications networks**
3. **Data management**

It allows **two-way communication** between a customer's meter and the utility. The system transmits near **real-time information** about usage.



RiversideCA.gov

2

2

RPU'S ADVANCED METER PROGRAM

1. RPU's Advanced Meter Program was approved by the Board on January 28, 2019
2. Maximizes the previous investment in legacy meters, while introducing new AMI functionality across the entire service territory
3. Replaces 20% of the legacy meters, which includes all commercial and industrial (C&I) meters
4. To date, RPU has exchanged 16% of the legacy meters



3

RiversideCA.gov

3

DOE GRIP PROGRAM

*The **Grid Resilience and Innovation Partnership (GRIP)** seeks to accelerate the deployment of transformative projects across the nation to help ensure the reliability of the power sector's infrastructure, ensuring all communities have access to affordable, reliable, clean electricity*

1. Department of Energy (DOE) accepted Concept Papers with overview of proposed projects in December 2022
2. On February 2, 2023, a response letter was received from the DOE encouraging RPU to submit a full application
3. Full applications will be due March 17, 2023



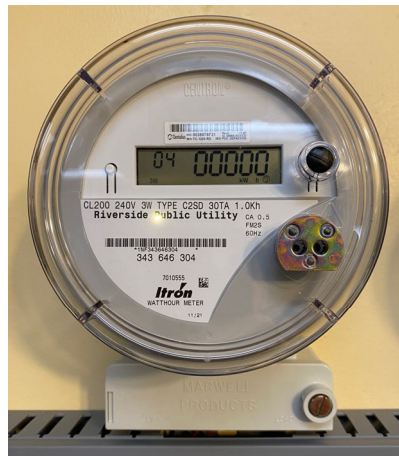
4

RiversideCA.gov

4

RPU'S GRIP PROJECT CONCEPT

1. RPU's approved CIP budget for AMI Program is \$11.5 million
2. Requesting match funds for remaining AMI meter deployment
3. 50% cost share



5

RiversideCA.gov

5

STRATEGIC PLAN ALIGNMENT

This item contributes to Strategic Priority 2 – **Community Well-Being**, Strategic Priority 4 – **Environmental Stewardship**, Strategic Priority 5 – **High Performing Government**, and Strategic Priority – 6 **Infrastructure, Mobility and Connectivity**

Cross-Cutting Threads:



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



6

RiversideCA.gov

6

RECOMMENDATIONS

That the City Council:

1. Authorize the Public Utilities Department to submit a Grid Resilience and Innovation Partnership (GRIP) grant application to the Department of Energy in an amount up to \$11.5 million for citywide Advanced Metering Infrastructure Full Deployment; and
2. With at least five affirmative votes, and upon grant award, authorize the CFO or designee, to record an increase in revenues and appropriate expenditures in the estimated grant award amount of up to \$11.5 million, or the actual award amount, in the Electric Fund, GRIP Grant Project accounts; and
3. Authorize the City Manager, or designee, to sign any-and-all necessary documents related to applications for grant funding as discussed in this report.

7

RiversideCA.gov