

Advanced Metering Program Update

Public Utility Board

Reports of the Director

October 13, 2021



Agenda



1. Milestones
2. Deployment Progress & Communications
3. WaterSMART Grant
4. Program Budget
5. Customer Benefits Timeline

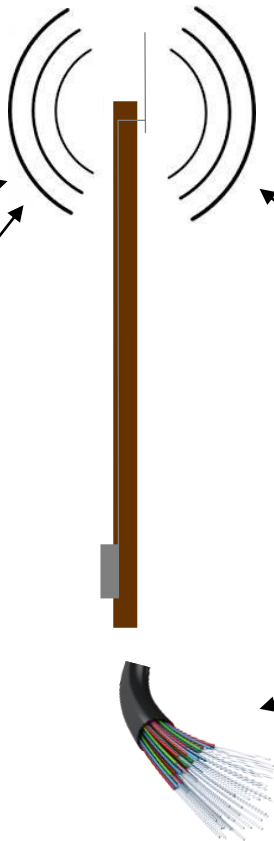
Advanced Metering Infrastructure (AMI)



Communications Network

Power &
Water Meters

Utility Data
Management Systems



Current Phase

Major Milestones Accomplished



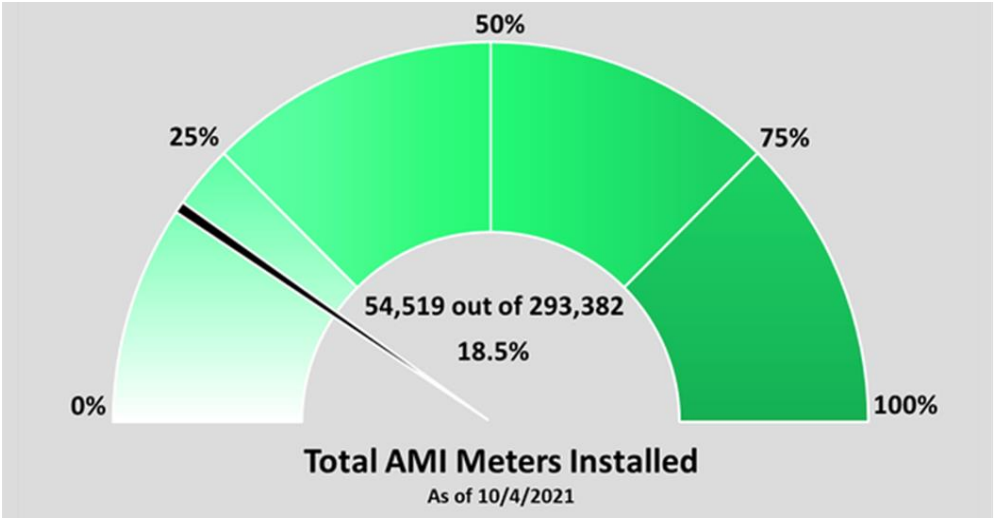
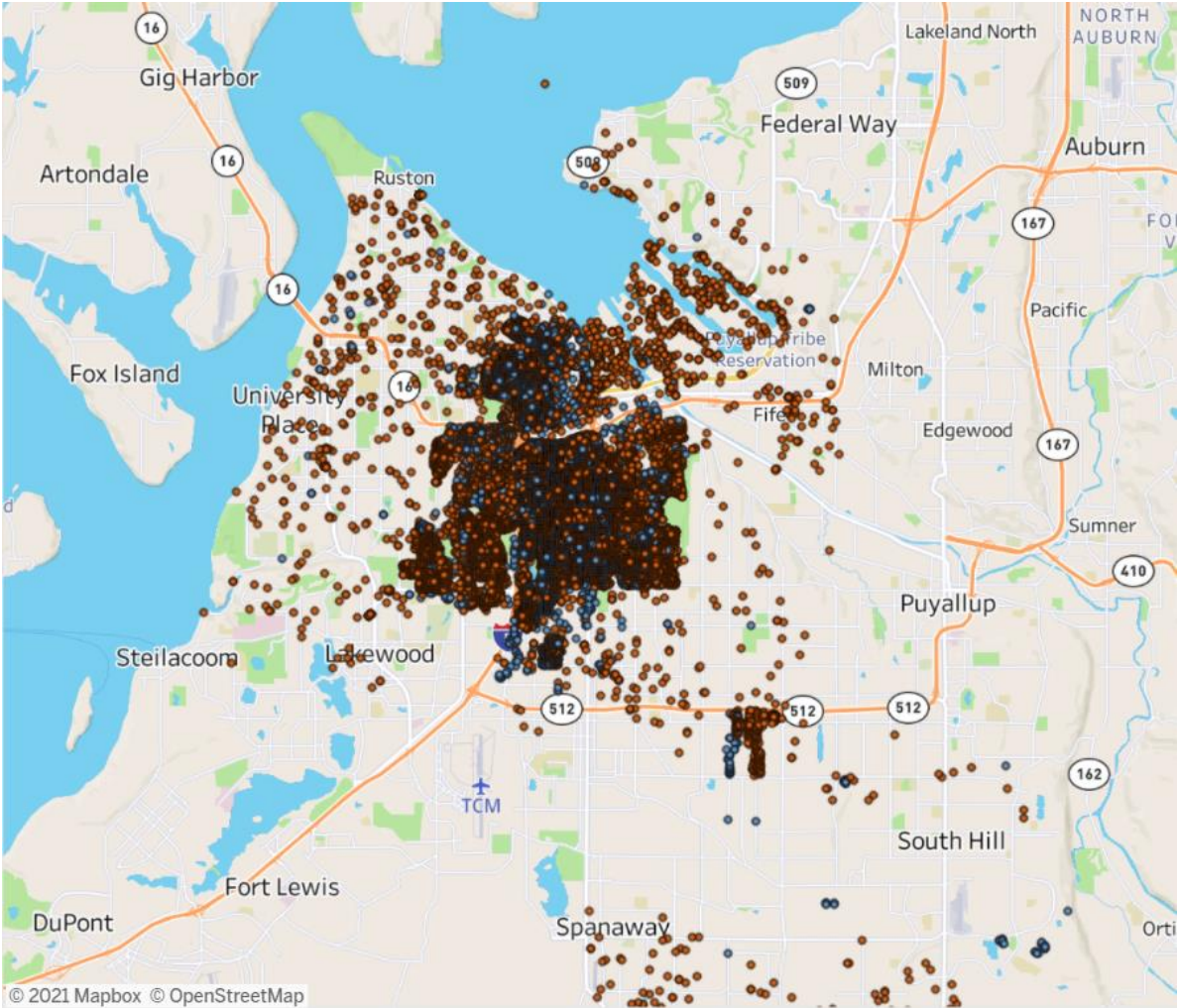
- ✓ Deployed 50,000+ AMI Meters
- ✓ Executed \$2 million WaterSMART Federal Grant Agreement
- ✓ Built 95% of Phase 1 AMI Wireless Communications Network
- ✓ Started Mass Meter Deployment and Communications
- ✓ Started Monthly Billing Conversions
- ✓ Provided First Detailed Usage Data to Customers
- ✓ Executed AMI Training Program
- ✓ Completed Core AMI and Mass Deployment System Go-Live
- ✓ Executed 5 Major Vendor Contracts (approx. \$65M)

Deployment Progress: October 2021



Updated 10/6/2021

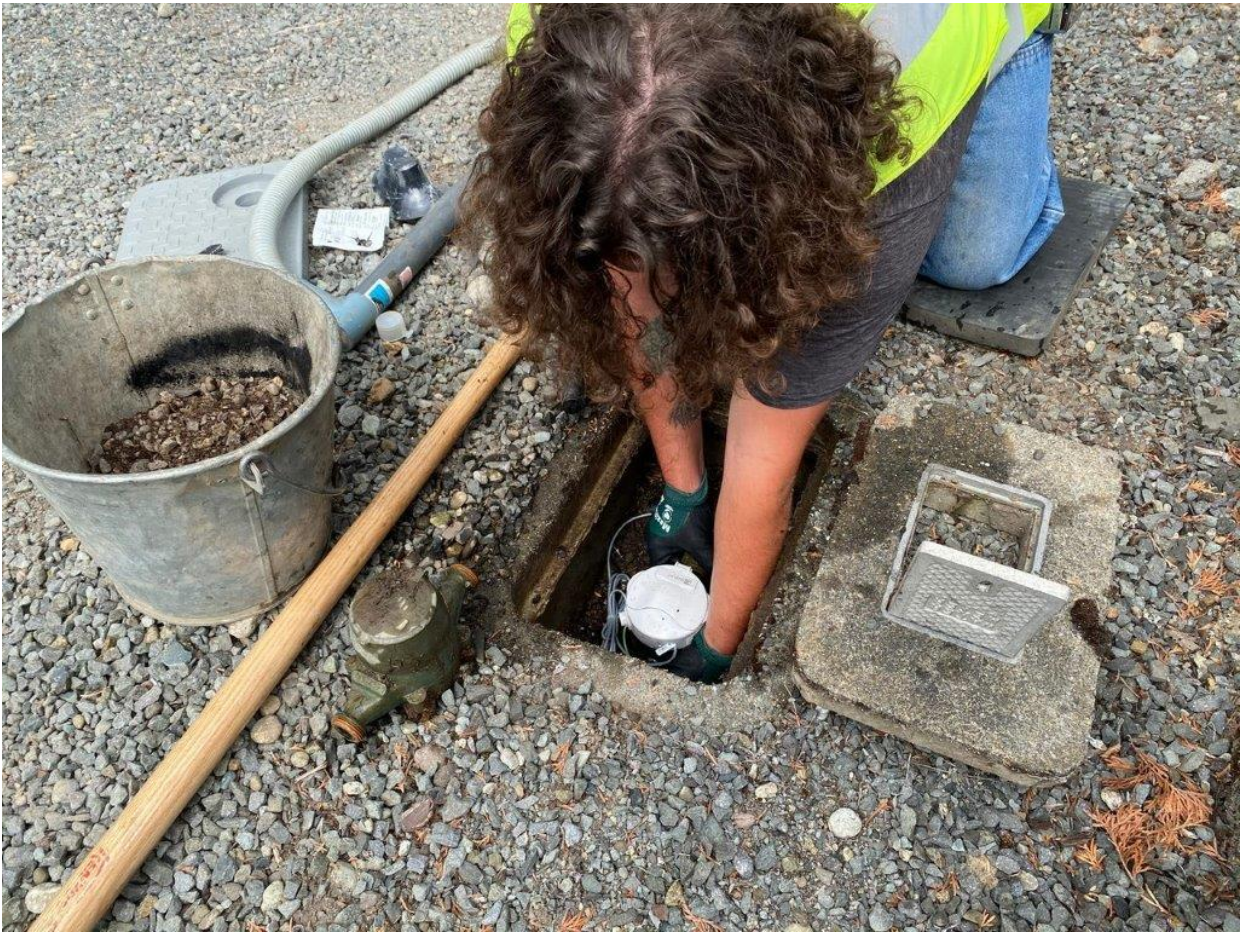
Completed Meter Installation Map:



Phase 1 Communications Network: ~96% Complete

- Phase 1: Full system communications coverage
- Phase 2: System hardening throughout deployment

AMI Mass Meter Deployment



Communications plan includes 5 specific residential & small business communications *before* each meter is installed.

Residential Customers, Small & Medium Commercial

Installation Video
Notification Letters: <ul style="list-style-type: none">• 45 days• 30 days
14-Day Reminder Postcard
7- Day Reminder Call (autodial)
2-Day Reminder Call (autodial)
Completed Install Door Hanger

Large Commercial & Industrial

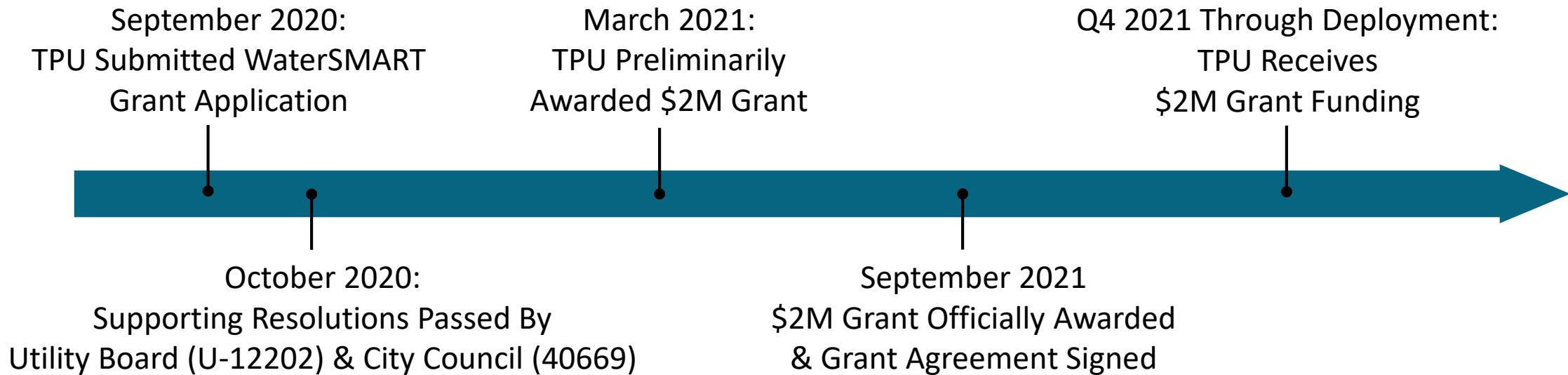
Notification Letter: <ul style="list-style-type: none">• 45 days
Scheduling Call From TPU Metering Staff
Account Executive Outreach (as needed)
Reminder Call (as needed)
Completed Install Door Hanger

Communication materials available in multiple languages.

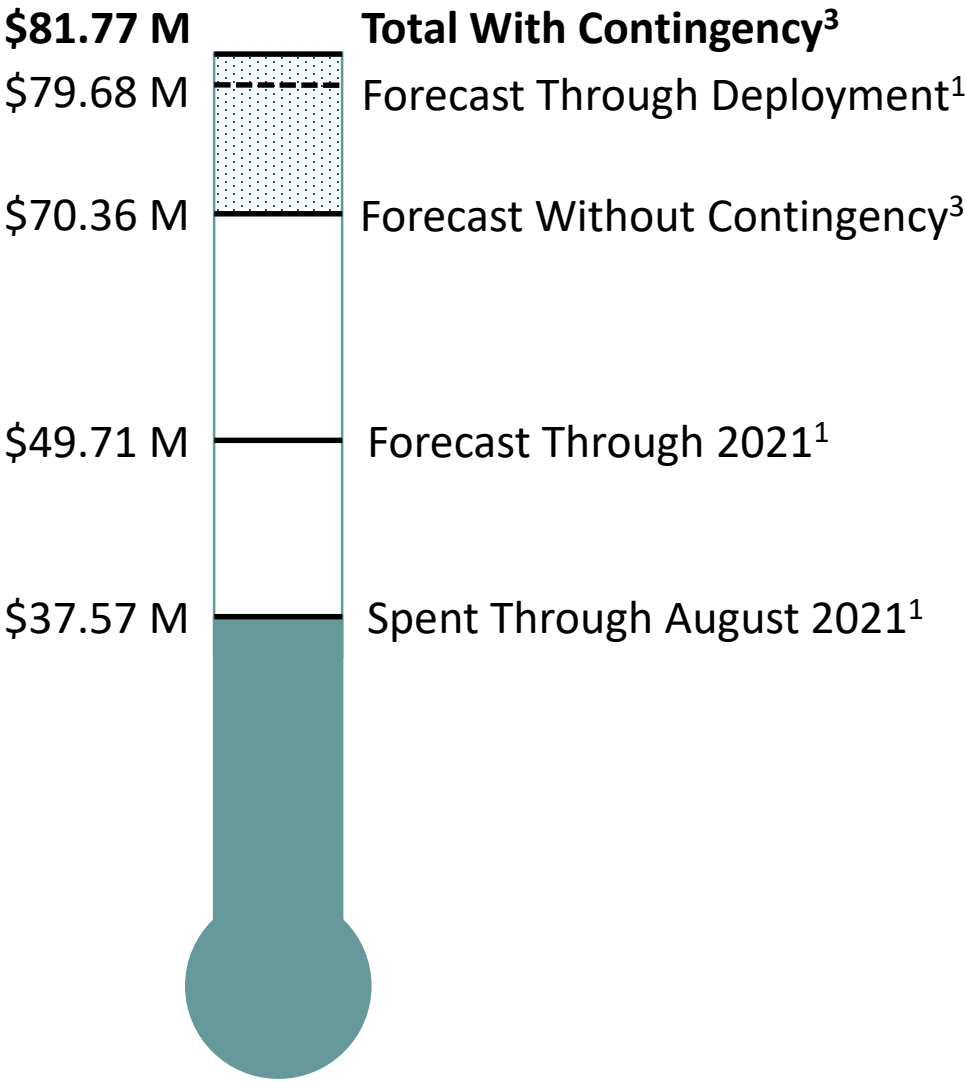
Federal WaterSMART Grant



- Department of the Interior, Bureau of Reclamation WaterSMART Grant Program – FY 2021
- TPU was officially awarded \$2 million in funding on September 23, 2021
- Funding supports water advanced metering deployment and long term water savings
- TPU expects to receive first funds by end of 2021, full \$2 million received by end of Deployment



AMI Deployment Budget: October 2021



Forecasted Contingency ²	Amount ¹
Original Contingency ³	\$11.41 M
Allocated Contingency in Forecast	\$9.32 M
Remaining Contingency in Forecast	\$2.09 M

AMI Program Workstream	Percent Complete ¹
Vendor Procurement	100%
System Integration	95%
Wireless Communications Network	95%
Electric Meter Deployment	20%
Water Meter Deployment	16%
Communications	60%
Overall	60%

¹Updated Oct. 2021, includes actuals through Aug. 2021 and \$2M in grant funding.

²Contingency is only allocated within the budget forecast, but not yet spent.

³February 2019 AMI business case values for the period 2018-2022. In addition to business case costs shown, TPU Internal Support Costs are tracked separately and do not incrementally impact rates.

Advanced Meter Customer Benefits

Benefits Available As Customers Receive New Meters



Updated 10/6/2021

2020-2021



Monthly Billing



Automated Meter Reading



Expanded Ways to Save:
Detailed Usage Data on Web Portal



Abnormal Consumption Notifications
Emergency Water Leak Notifications



Reduced Environmental Impact



Improved Safety



Easier Move In, Move Out,
& Remote Reconnection



Enhanced Personal Privacy

2022



PrePay for Electric



Enhanced Customer Web Portal



Selectable Bill Due Date



Enhanced Customer Outage Notifications

Additional Information

- www.MyTPU.org/AdvancedMeters
 - Installation Video
 - Deployment Map
 - Program Fact Sheets
 - Program Timeline
 - FAQs - Frequently Asked Questions
 - Public Process
 - Advanced Meter Policies



Supplemental Slide

- Meter Installation Video

Video - Meter Installation

