



# Approve Flow Monitoring Device Pilot Program; and Adopt Resolution to Support Metropolitan's Application for United States Bureau of Reclamation Grant Funding

Water Planning and Stewardship Committee  
Item 7-8  
October 12, 2020

# Residential Flow Monitoring Device Pilot Program

# Residential Leak Detection: Flow Monitoring Devices



- Flow monitoring devices measure and communicate real-time water use
- Residents view information and receive leak alerts through smart phone or tablet portal
- Five devices tested for accuracy through Utah State University



# Water Savings Data Used

- Proposed incentive amount based on preliminary water savings data
  - Contra Costa Water District
  - East Bay Municipal Utility District
  - San Antonio Water System
- Studies showed 17 percent reduction in water use
- Incentive assuming 10-year life = \$100

# Implementing a Regional Pilot Program

- Member agencies support a regional incentive for flow monitoring devices
- Pilot with data collection
- Pilot capped at \$1.2 million Metropolitan funding
- Apply for grant, but implement 2-year pilot even if not selected for grant

# Data to be Analyzed through Pilot

- Data collection to include:
  - Consumer acceptance of the device
  - Level of customer interaction with information
  - Behavioral changes made by consumers
  - Water saving benefits of the devices
- Return to Board and report results of the pilot

# Residential Flow Monitoring Device Pilot Program

- Metropolitan proposes to add \$100 incentive for five flow monitoring devices
  - Regional Program: SoCalWater\$mart
  - Member Agency Administered Program (MAAP)
- With grant provide incentive of \$150
  - MWD provides \$82.50
  - Additional \$67.50 from USBR grant

# Residential Flow Monitoring Device Pilot Program

- Additional support for agencies targeting disadvantaged communities
  - Agencies can receive increased incentive up to full cost of project through MAAP
  - Consultant assistance for program design



# WaterSMART Grant Opportunity



— BUREAU OF —  
RECLAMATION

Funding Opportunity Announcement No. BOR-DO-21-F001

## **WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2021**



- Metropolitan seeking \$1M grant
- Submitted application September 17
- Board resolution required within 30 days of submittal

# Board Options

- Option #1

Approve the implementation of the Flow Monitoring Device Pilot Program;

a. Adopt the resolution;

b. Authorize the General Manager to accept grant funds, if awarded; and

c. Authorize the General Manager to enter into a contract for the grant funds.

- Option #2

- Do not approve implementation of the Flow Monitoring Device Pilot Program, and do not adopt the resolution or accept grant funding.

# Recommendation

- Option #1

