

## Actions Related to the Construction of the Automated Metering Phase 4 Project J-1900

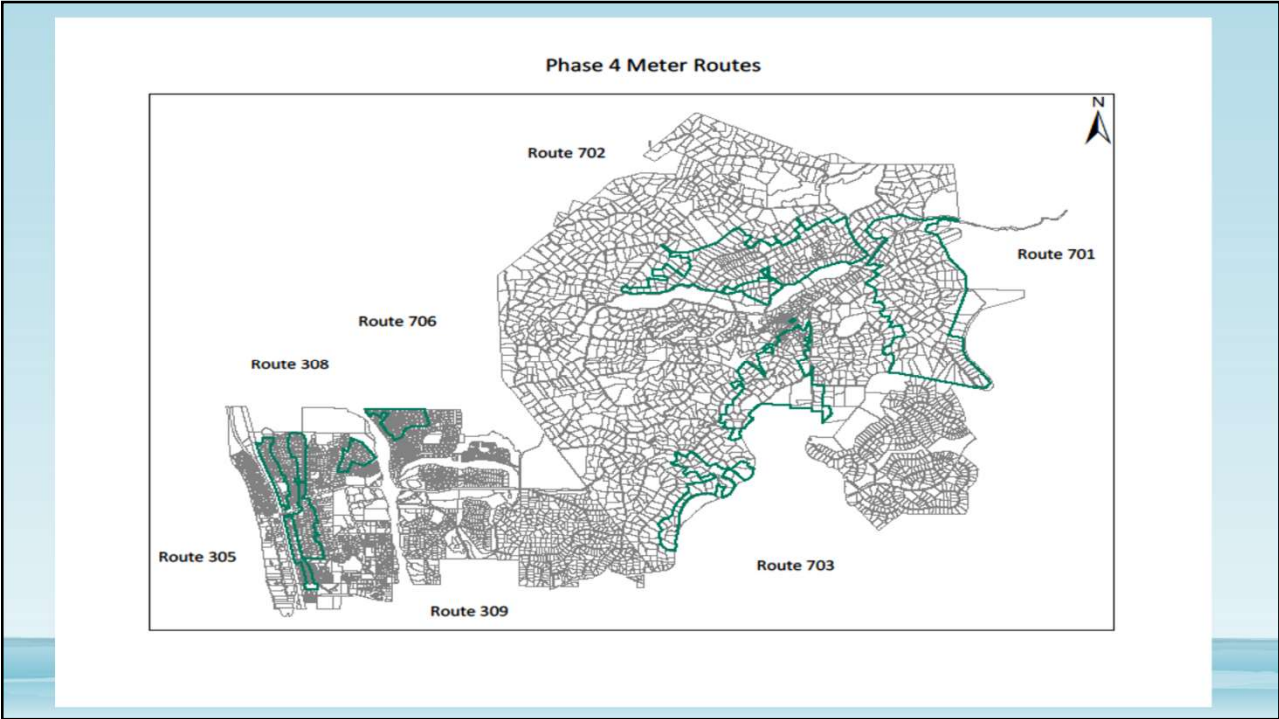
**OCTOBER 18, 2018  
BOARD MEETING**



### Automated Metering Program

#### **Recommendations:**

- **Award Phase 4 Construction Contract to Aqua Metric - \$865,308**
  - **Furnish and Install Meters**
- **Authorize Execution of a Purchase Order with Armorcast - \$71,050**
  - **Meter Box Lids**
- **Find the Phase 4 Project Categorically Exempt and Approve the Project**



## SFID Automated Metering Phases 1-3

**Total Number of District Meters = 7,539**  
(potable, fire, recycled)

**Completed Phases 1-3 = 2,529 Meters,**  
**Plus:**

- **Antennae Base Stations = 3**
- **Billing Software Integration**
- **Internal O&M Analytical Software**
- **Customer Portal Software**





## Automated Metering Program

### *Phase 4 – Replaces 1,577 Meters*

#### FISCAL IMPACT

- Total Capital Budget = \$1,150,000
- Construction Budget = \$1,050,000

**Recommended Agreements Are Within The Established Budget**

**Aqua Metric Agreement = \$865,308**

**Armorcast Purchase Order = \$71,050**

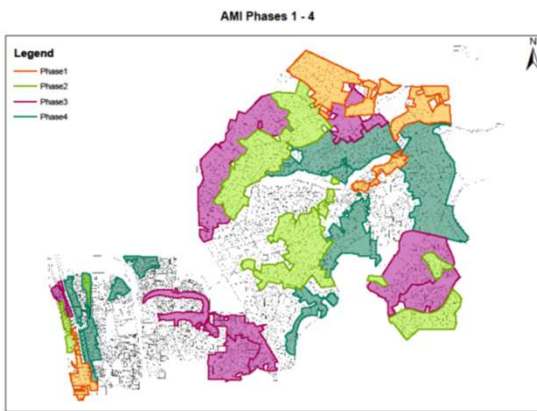


## Automated Metering Program

### *Phase 4 -Schedule*

- **October 18- Board Recommendations**
  - Aqua Metric Construction Contract
  - Meter Lid Purchase Order Approval
- **Nov. 2018 through Feb. 2019**
  - Order, Mfgr, and Deliver Lids and Meters
- **Feb. 2019 – June 2019**
  - Installation of meters

## Overall SFID Automated Metering Program Summary



**Total Number of District Meters = 7,539**  
(potable, fire, recycled)

**Follow Completion of Phase 4 = 4,106 Meters, Including:**

- Antennae Base Stations = 3
- Billing Software Integration
- Internal O&M Analytical Software
- Customer Portal Software

**Remaining Meter Installs After Phase 4 = 3,433**  
(Phases 5&6)

- Will also require an additional antennae or repeater equipment

**Schedule for Phases 5 &6**

- July 2019 – June 2020
- July 2020 – June 2021



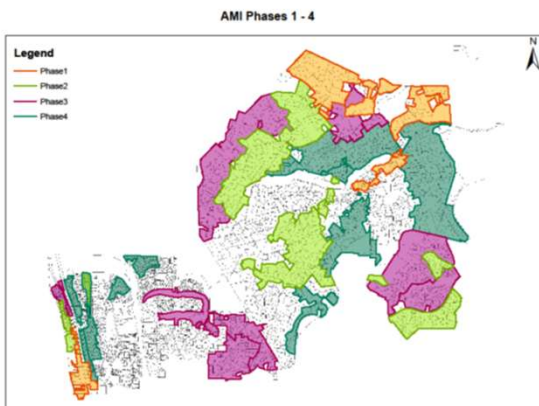
## Automated Metering Program

**Recommended Board Actions Needed to Implement Phase 4 of the AMI Program:**

- **Award Phase 4 Construction Contract to Aqua Metric - \$865,308**
  - **Furnish and Install Meters**
- **Authorize Execution of a Purchase Order with Armorcast - \$71,050**
  - **Meter Box Lids**
- **Find the Phase 4 Project Categorically Exempt and Approve the Project**

# QUESTIONS

## Overall SFID Automated Metering Program Summary



**Total Number of District Meters = 7,539**  
(potable, fire, recycled)

**Completed Phases 1-3 = 2,529 Meters Plus:**

- Antennae Base Stations = 3
- Billing Software Integration
- Internal O&M Analytical Software
- Customer Portal Software

**Following Phase 4 installation of 1,577 Meters**  
**Total Meter Installs for Phases 1-4 = 4,106**

**Remaining Meter Installs After Phase 4 = 3,433**  
(Phases 5&6)

- Will also require an additional antennae or repeater equipment

**SFID's Current 10 Year CIP Includes A \$5.4 Million Dollar, Five (5) Year Phased Automated Metering Implementation**

<b>Phase</b>	<b>Estimated Capital Cost</b>	<b>Implementation Schedule</b>
<b>Phases 1&amp;2</b>	<b>\$1,195,000</b>	<b>July 2016 - July 2017</b>
<b>Phase 3</b>	<b>\$1,000,000</b>	<b>July 2017 - July 2018</b>
<b>Phase 4</b>	<b>\$1,150,000</b>	<b>July 2018 - July 2019</b>
<b>Phase 5</b>	<b>\$1,150,000</b>	<b>July 2019 - July 2020</b>
<b>Phase 6</b>	<b>\$900,000</b>	<b>July 2020 - July 2021</b>
<b>Total</b>	<b>\$5,395,000</b>	<b>July 2016 - July 2021</b>