ONE AGENCY’S RESPONSE TO THE PFAS TREATMENT CHALLENGE

LEAGUE OF CALIFORNIA CITIES
PUBLIC WORKS OFFICERS INSTITUTE CONFERENCE

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CITY OF PARAMOUNT – PFAS PROGRAM

- EFFECTS ON WATER SYSTEM OPERATIONS
- FUNDING CONSIDERATIONS
- SITE INVESTIGATION REPORT FINDINGS
- FUTURE REGULATORY CONSIDERATIONS
EFFECTS ON WATER SYSTEM OPERATIONS

- **Water System Wells Affected**
  - Wells 14, 15, 16 & 17 (Future)

- **Initial Testing Results**
  - Notification Levels - Response Levels

- **Enhanced Monitoring Frequency**
  - DDW Requirements – Periodic Tracking – Reporting

- **Treatment Requirements – Options**
  - Site Investigation Report (2023)
FUNDING CONSIDERATIONS

* Federal Grants & Loans (Corps, BUREC, EPA, EDA, etal)
* State Grants & Loans (OES, IBank, SDWRF, etal)
* Regional Grants & Loans (WRDSC, OneWater, etal)
* Water Revenue Bonds (Cities, Districts & Agencies)
* Water Enterprise Funds – Water Rates (Pay as you go)
  
  Option 1: New Reservoir and Pump Station
  Option 2: New Reservoir, Pump Station, and Well
  Option 3: Purchase Additional Adjacent Site to Collectively include Reservoir, Pump Station, Well & Treatment
CENTRALIZED TREATMENT FOR PFAS

- **PFAS** – Granular Activated Carbon (GAC) or Ion Exchange (IX) in lead/lag configuration
- **GAC** generally has larger footprint (14 vessels) compared to IX (8 vessels)
- 1,4-dioxane – Ultraviolet Advanced Oxidation Process (UVAOP)
- Disinfection – Chloramines

**CAPITAL COST RANGES**

- Option 1 $17.2 to $18.5M; Option 2 $19.0M to 20.3M
- Option 3 $35.2M to $36.4M
FUTURE REGULATORY CONSIDERATIONS

* Future DDW Notifications
  * MCL Announcement Pending
* Notification Levels
  * Potential Reductions
* Response Levels
  * Potential Reductions
* Potential Liability Considerations
  * Planning for Treatment Upgrades & Cost Increases

Questions & Comments

Thank you