



# Semiannual Status Report July – December 2016

*Treatment Plant Advisory Committee – Item 5.A.*

May 18, 2017



San José-  
Santa Clara  
Regional  
Wastewater  
Facility

# Program Snapshot: July 2016–December 2016

- Adopted 2017-2021 CIP: \$971M
  - FY 16-17 budget: \$266M
  - FY 16-17 expenditures: \$183.7M
- Significant progress on 23 active projects
  - 13 projects in feasibility/development phase
  - 3 projects in design phase
  - 7 project in construction
- Utility of the Future Today award

# Significant Program Activities

- Owner-Controlled Insurance Program (OCIP)
- Recruitments
- Procurements
- Design & Construction Management System (DCMS)



*Formwork for a foundation in the Iron Salt Feed Station Project*

# Recruitments

- 10 positions filled during reporting period
- Several vacant engineering & technical support positions
- Competitive job market for senior level positions



*October 2016 CIP BBQ inside RWF warehouse*

# Procurements

- RFQ Advertisements
  - Industrial Hygienist
- Engineer Services Contract Awards
  - Facility-wide Water Systems Improvements, \$2.1m NTE
  - Digested Sludge Dewatering Facility, \$7.7m NTE
- Construction Contract Awards
  - Plant Instrument Air System Upgrade, \$2.8m
- Other Services
  - Third-Party Audit Services, \$1m NTE (1 contract)

# Project Delivery: 13 in Feasibility/Development

- Agreements awarded for two projects
  - Facility-wide Water Systems Improvements
  - Digested Sludge Dewatering Facility
- Alternatives analysis completed for two projects
  - Blower Improvements
  - Headworks Improvements & New Headworks
- Condition assessments for three projects
  - Advanced Facility Control & Meter Replacement
  - Filter Rehabilitation
  - Nitrification Clarifiers Rehabilitation

# Condition Assessments



- (clockwise from top left)
- **Consultants performing structural assessment of clarifier interior & mechanism**
  - **Inoperable & corroded groundwater relief valve**
  - **Corroded meter piping**
  - **Consultants preparing for coring in filter cell**



# Project Delivery: 3 Projects in Design



*Headworks climber screens that will be replaced*



*Conceptual rendering of new Cogeneration Facility*

- Blower Improvements
- Cogeneration Facility
- Headworks Critical Improvements



# Design & Construction Management System

## Digester and Thickener Facilities Upgrade [switch project](#)

SJSC RWF CIP

Bentley

Capital Improvement Project Team

Start Memo Dailylog Meeting Calendar To Do

[scheduler](#)

View:

Level: project

### Inbox

- 4 DCM (new)
- 15 Meeting Invitations
- 44 Meeting Minutes (new)
- 1 Memo Response (new)
- 29 Memos (new)
- 1 Pay Application Response
- 4 Pay Applications (new)
- 169 RFI Responses (new)
- 3 RFIs (new)
- 216 Submittal Responses (new)
- 19 Submittals (new)
- 20 Support Responses

### Calendar

Thursday, February 2

Tuesday, February 7

### Documents Due

### Meetings

- 10:00 AM - 1/26/2017 Weekly Construction Progress Meeting
- 10:00 AM - 2/2/2017 Weekly Construction Progress Meeting
- 10:30 AM - 1/31/17 - Weekly PSRs Meetings (CM and O&M and Walsh)

### Outbox

- 17 Meeting Invitations
- 46 Meeting Minutes
- 5 Memos
- 78 RFIs
- 39 Submittal Responses
- 85 Submittals
- 4 Support Requests
- 12 Support Responses

### Recent Documents

- Inspection Request # 8
- Meeting Invitation # 71 - Meeting Minutes
- Inspection Request # 11
- Inspection Request # 10

Spent: 0.00  
 PCO Spent: 0.00  
 Contracted: 107,925,000.00  
 Contracted+CO: 108,196,475.00  
 Contracted Spent: 0.00%

Pay Applications Pending: 0.00  
 Retention Pending: 0.00  
 Pay Applications Approved: 0.00  
 Retention Approved: 0.00  
 PCOs Pending: 0.00  
 PCOs Approved: 271,475.00  
 CO Pending: 0.00  
 CO Approved: 271,475.00  
 Risk Items Pending: 0.00  
 Encumbered: 108,196,475.00

Project Days Remaining: 612  
 Completion Date: 08/08/2019

### Alerts

### Common Tasks

- Create Meeting Invitation
- Create Submittal
- Create Misc
- Create Support Request
- Create Memo
- Create RFI

AAA

# Project Delivery: 7 Projects in Construction



(clockwise from top left)

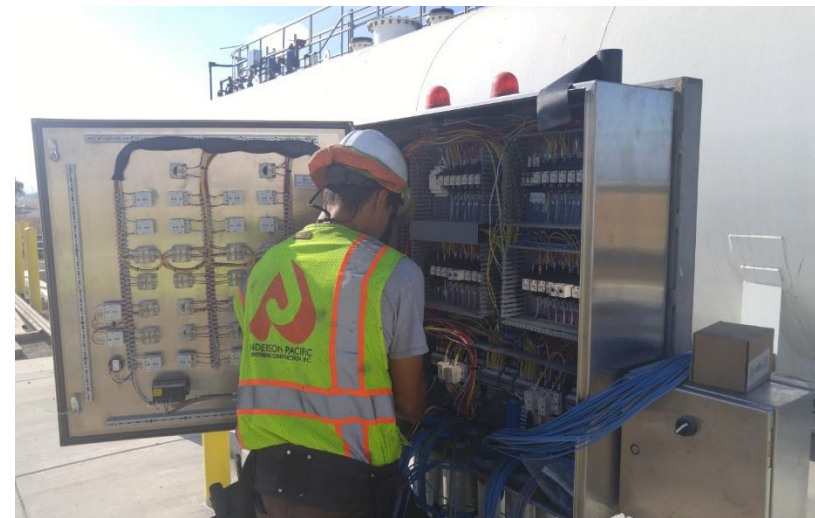
- **Iron Salt Feed Station: Poured concrete for ferric chloride tank pads & walls**
- **Construction-Enabling Improvements: Pavement repairs on Zanker Road**
- **Fiber Optic Connection: Completed asphalt work at the Transmission Pump Station**



# Projects in Construction (\$146M+)

(clockwise from top right)

- **Emergency Diesel Generators:**  
**Demolition of abandoned diesel tank**
- **Emergency Diesel Generators:**  
**Preparation for equipment start-up**
- **Digester Gas Compressor: Welding of new pipe during 11/1/2016 process shutdown after pipe was purged**
- **Digester Gas Compressor Upgrade:**  
**Permitted flaring on 11/1/2016 during gas tie-ins**



# Digester & Thickener Facilities Upgrade



*(clockwise from top left)*

- **Crown corrosion in existing 78" settled sewage line at primary effluent junction structure**
- **Groundbreaking ceremony held on 8/24/2016**
- **Roof demolition of existing digester tank**



# The Next Six Months (January – June 2017)

- Award Headworks Critical Improvements Project
- Continue design & design-build work on 5 projects
- Award master agreements for the Support Building Improvements Project & industrial hygienist services
- Advertise RFQs for consultant services on 2 projects
- Advertise an RFQ to prequalify additional system integrators
- Advertise an RFQ to procure a design-builder for the Headworks Improvements & New Headworks Project
- Procure an on-call contractor for urgent repair and/or replacement work at the RWF

# The Next Six Months (continued)

- Implement an OCIP for the RWF CIP
- Update the 10-Year CIP Funding Strategy
- Amend the master consultant agreement with MWH for program management services
- Continue developing 5-year CIP staffing & transition plans
- Continue recruitment activities to fill CIP vacancies