



# **Semiannual CIP Status Report** **July 2018 – December 2018**

*Transportation & Environment Committee*

**April 08, 2019**



**San José-  
Santa Clara  
Regional  
Wastewater  
Facility**

# Program Overview: July 2018 – December 2018

- \$1.4 billion, 10-year CIP (2014-2024)
- 2018-2019 Budget: \$362 million
- 22 active projects totaling \$1.1 billion



# Significant Program Activities

## ■ Recruitments

- 9 positions filled during this reporting period
- 15 CIP vacancies as of December 2018

## ■ Vendor Open House – December 2018

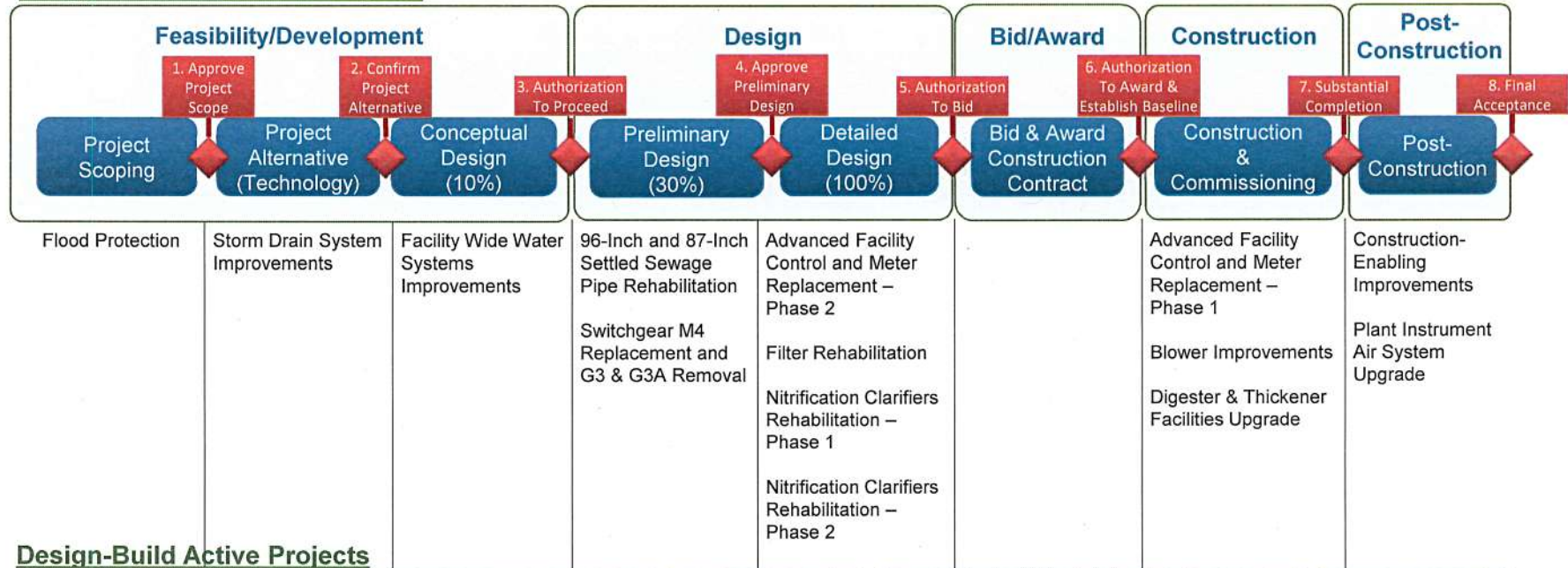
- Increase vendor awareness of upcoming construction opportunities
- 60 people representing 48 companies attended

## ■ Development of Hazardous Material Protocol

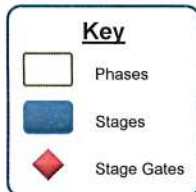
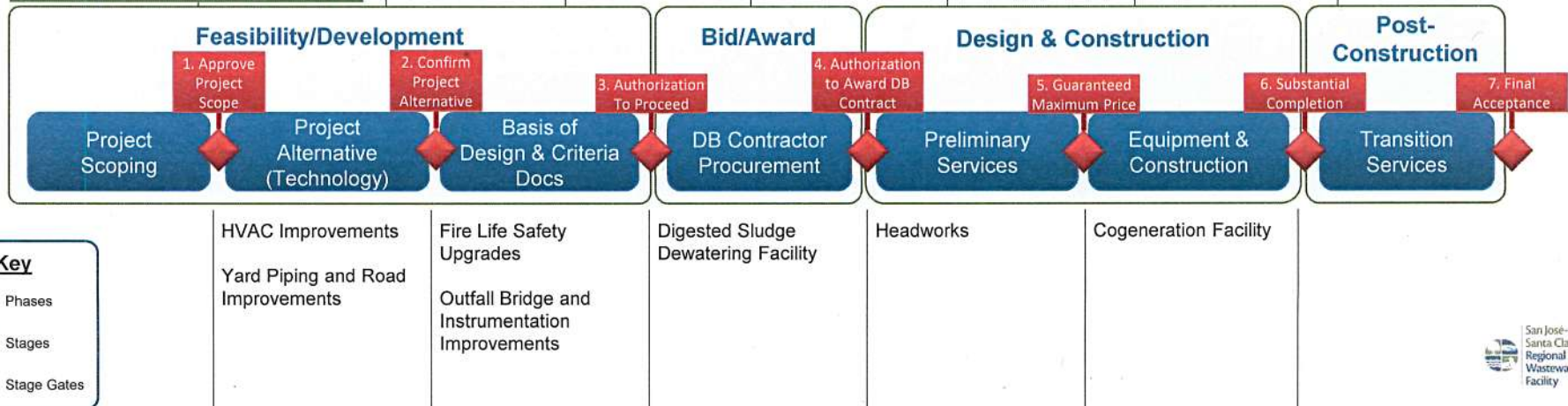
- Will provide programmatic guidance to design consultants and construction contractors for testing and mitigation
- Protocol to be completed by Spring 2019

# Program Snapshot

## Design-Bid-Build Active Projects



## Design-Build Active Projects



# Eight Projects in Feasibility/Development



- Four projects continued condition assessments
- Two projects developed project alternatives
- One design-build project in procurement
- One project in scoping

96-inch and 87-inch Settled Sewage (SES) Pipe Rehabilitation: Manned entry into the 87-inch x 136-inch SES pipe

# Seven Projects in Design



## Preliminary Design

- 96 inch and 87 inch SES Pipe Rehabilitation
- Headworks
- Switchgear M4 Replacement and G3/G3A Removal

## Detailed Design

- Advanced Facility Control Meter Replacement – Phase 2
- Filter Rehabilitation
- Nitrification Clarifiers Rehab – Phases 1 & 2

**Nitrification Clarifiers Rehabilitation:** Aerial photo of Nitrification Clarifiers and Aeration Tanks

# Construction Highlights – Digester Upgrades



Digester Upgrades: Overview of the new 78-in SES pipe installment.

# Construction Highlights – Digester Upgrades



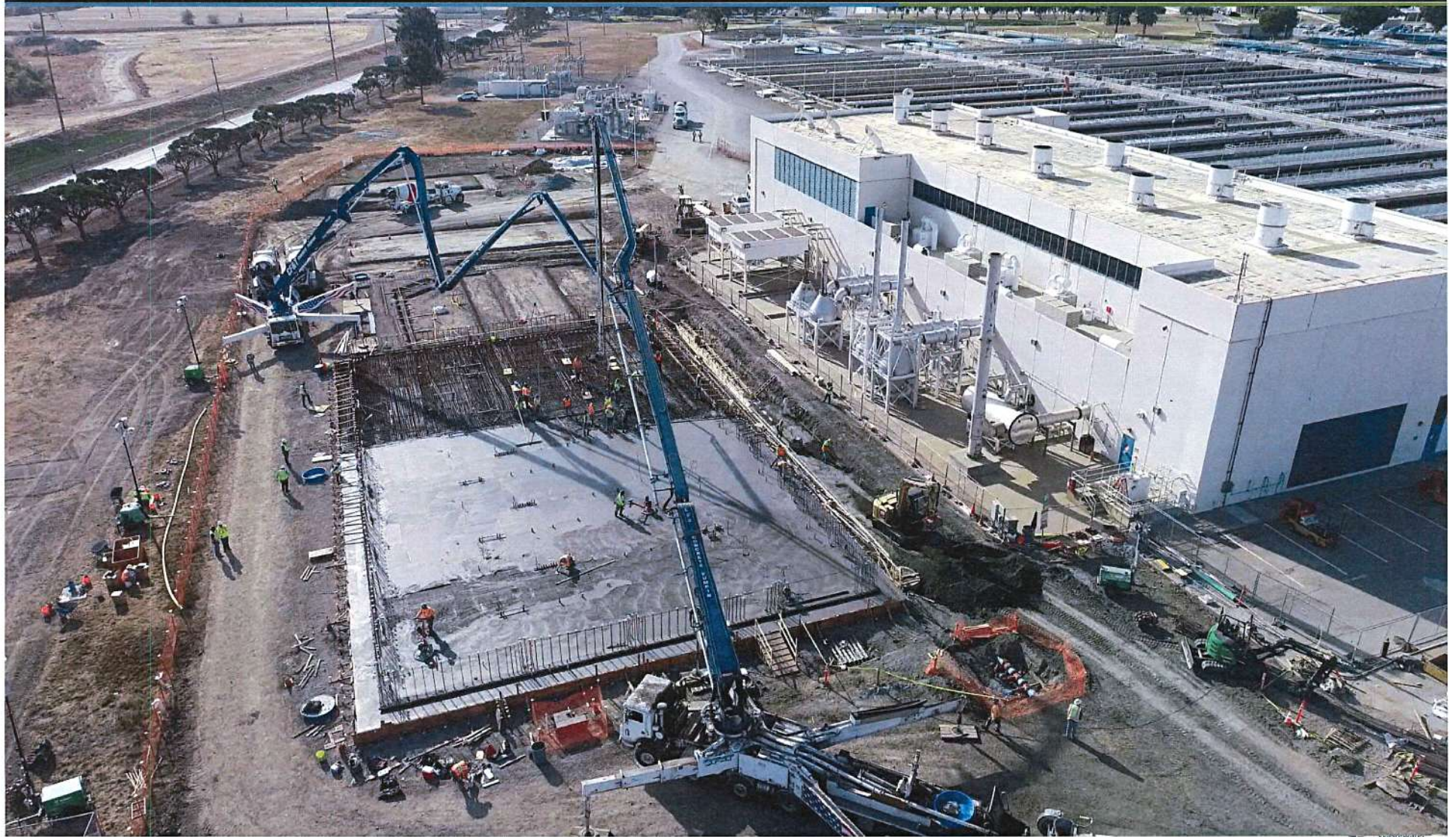
**Digester Upgrades:** Formwork for the seismic ring and concrete pour roofs for Digester 5-8.

# Construction Highlights – Digester Upgrades



**Digester Upgrades: Aerial overview of Piperack, DAFTS 1-6, the new thickened sludge pump canopy and new sludge screen building**

# Construction Highlights - Cogen Facility



Cogeneration Facility – Building Pad A & B Concrete Pour

# Construction Highlights – Cogen Facility



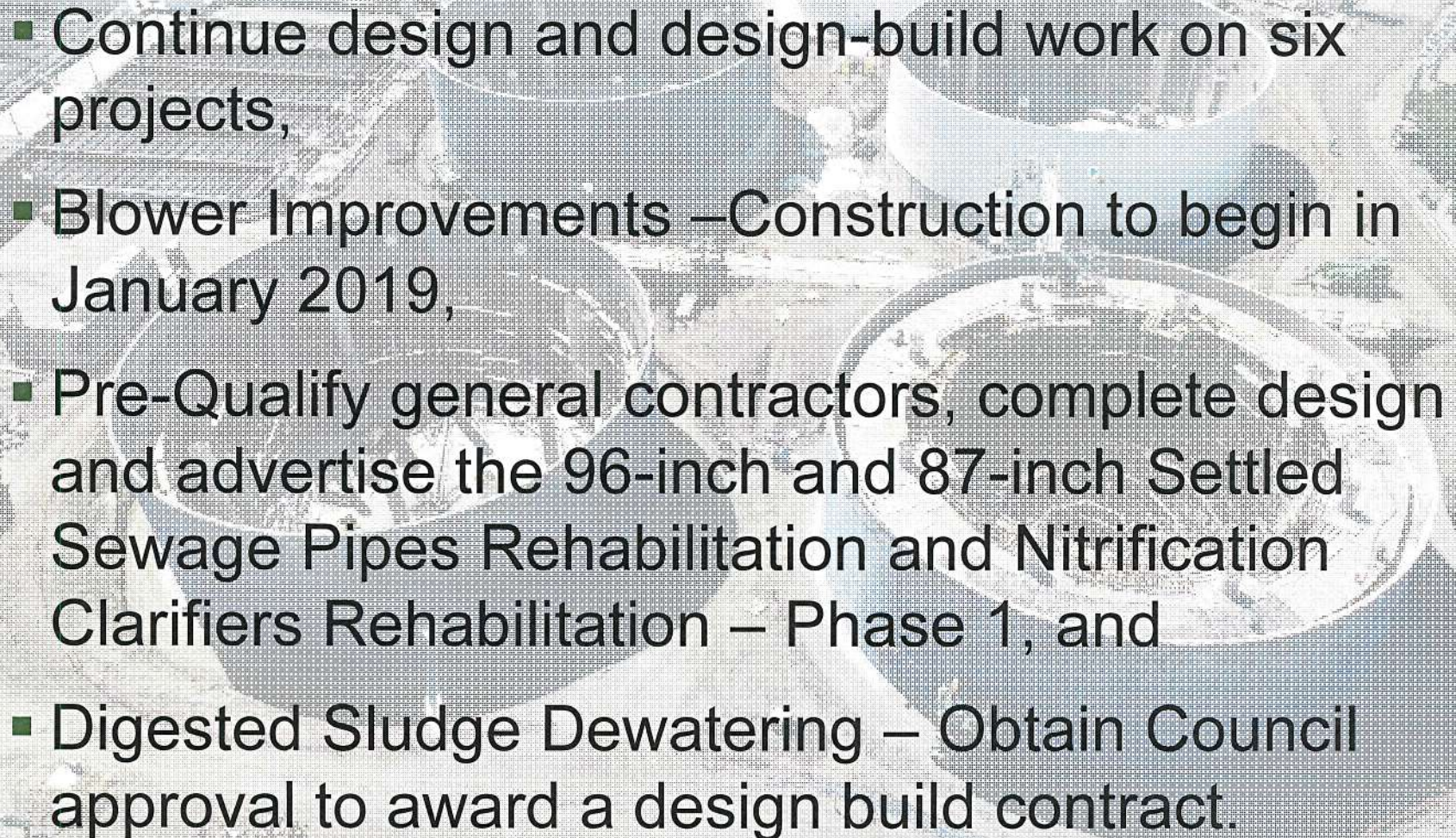
**Cogeneration Facility – Building Pad A & B**  
**Concrete Pour Time Laps**

# Construction Highlights – Cogen Facility

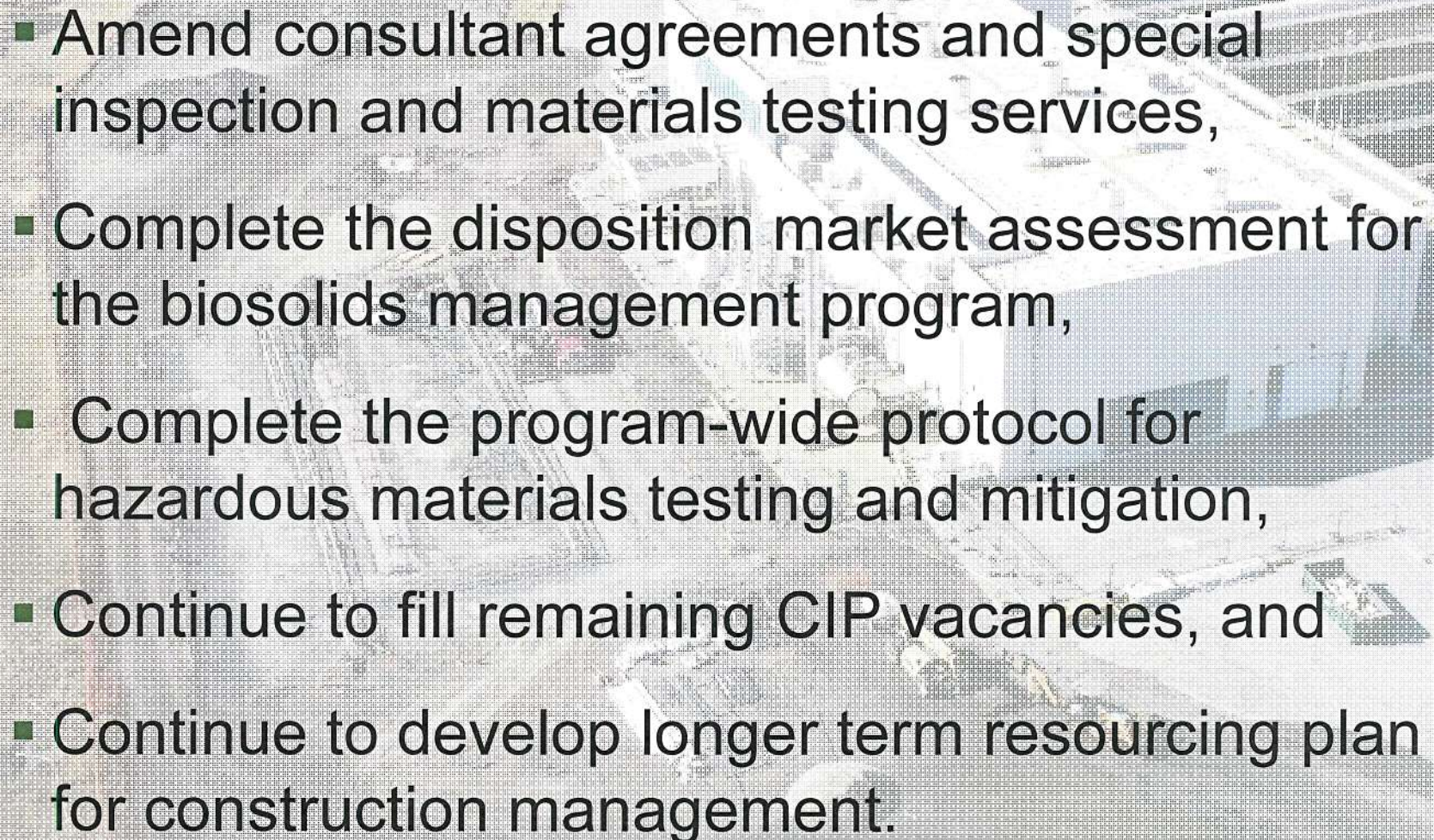


Cogeneration Facility – Engine Placement

# The Next Six Months– Project Activities

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- An aerial photograph of a wastewater treatment plant. Several large, circular, light-colored concrete tanks are visible, arranged in a grid-like pattern. Some tanks have dark, possibly sludge-filled centers. The surrounding area includes roads, parking lots, and some industrial buildings. The image is slightly faded and has a halftone-like texture.
- Continue design and design-build work on six projects,
  - Blower Improvements –Construction to begin in January 2019,
  - Pre-Qualify general contractors, complete design and advertise the 96-inch and 87-inch Settled Sewage Pipes Rehabilitation and Nitrification Clarifiers Rehabilitation – Phase 1, and
  - Digested Sludge Dewatering – Obtain Council approval to award a design build contract.

# The Next Six Months – Programmatic Activities

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- Amend consultant agreements and special inspection and materials testing services,
  - Complete the disposition market assessment for the biosolids management program,
  - Complete the program-wide protocol for hazardous materials testing and mitigation,
  - Continue to fill remaining CIP vacancies, and
  - Continue to develop longer term resourcing plan for construction management.