



Semiannual CIP Status Report January 2018 – June 2018

Transportation & Environment Committee

October 1, 2018



San José-
Santa Clara
Regional
Wastewater
Facility

Program Overview: January 2018 – June 2018

- \$1.4 billion, 10-year CIP (2014-2024)
- 2017-2018 Budget: \$358 million
- 24 active projects totaling \$1.0 billion



Significant Program Activities

- **EPA Approval of Risk-Based PCB Mitigation Plan**
 - Conditional approval received December 2017 and June 2018
 - Soil excavation resumed March 2018
- **Recruitments**
 - 5 positions filled during this reporting period
 - 11 CIP vacancies as of June 2018
- **Construction Management**
 - 7 active construction projects (\$215 million)
 - 17 projects entering construction over next five years (\$472 million)

13 Projects in Feasibility/Development



- Four projects in scoping
- Four projects conducted condition assessments
- Two projects developed project alternatives
- Three design-build projects in procurement

4 Projects in Design

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- Advanced Facility Control and Meter Replacement – Phase 2
 - Blower Improvements
 - Filter Rehabilitation
 - Nitrification Clarifiers Rehabilitation

Filter Rehabilitation: Aerial photo of Filter Building and Filter Effluent Pump Station in foreground

Construction Highlights



Iron Salt Feed Station: Beneficial Use reached May 2018

Construction Highlights



Headworks Critical Improvements: Newly installed bar screens for Headworks #2

Construction Highlights



Plant Instrument Air System Upgrade: Interior of the new building housing three new air compressors

Construction Highlights



Construction Enabling Improvements: Construction entrance, contractor staging area, construction management trailers.

Construction Highlights



Cogeneration Facility: Aerial footage of new engine building foundation work

Construction Highlights



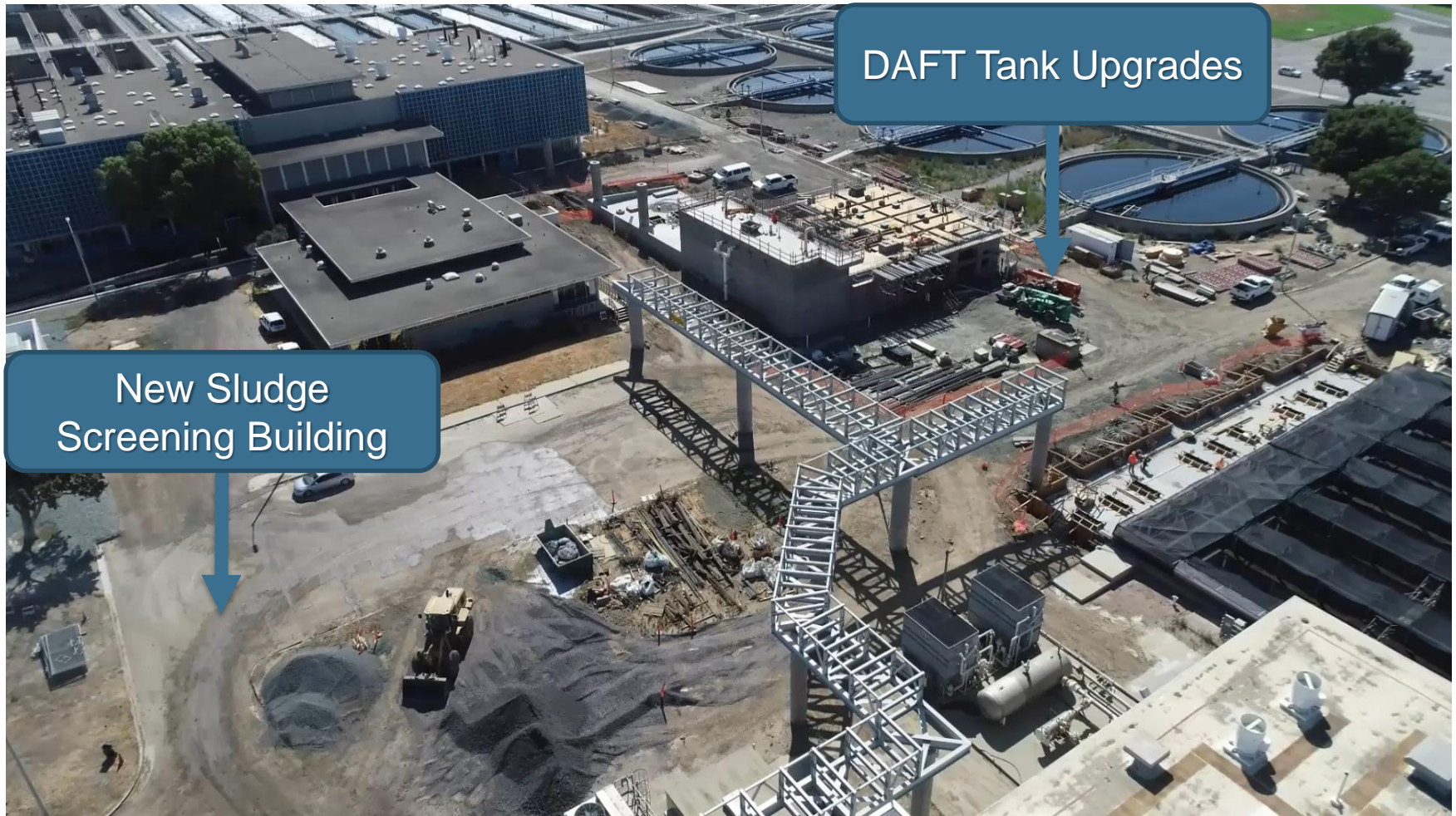
Digester Upgrades: New elevated pipe rack and gas piping.

Construction Highlights



Digester Upgrades: Rehabilitation of Digesters 5-8 and replacement of 78" primary effluent pipe and wye structure

Construction Highlights



Digester Upgrades: New sludge screening building and rehabilitation of dissolved air flotation thickener tanks 1-6.

Construction Highlights



Reroute of 100 MGD
of primary effluent
flows

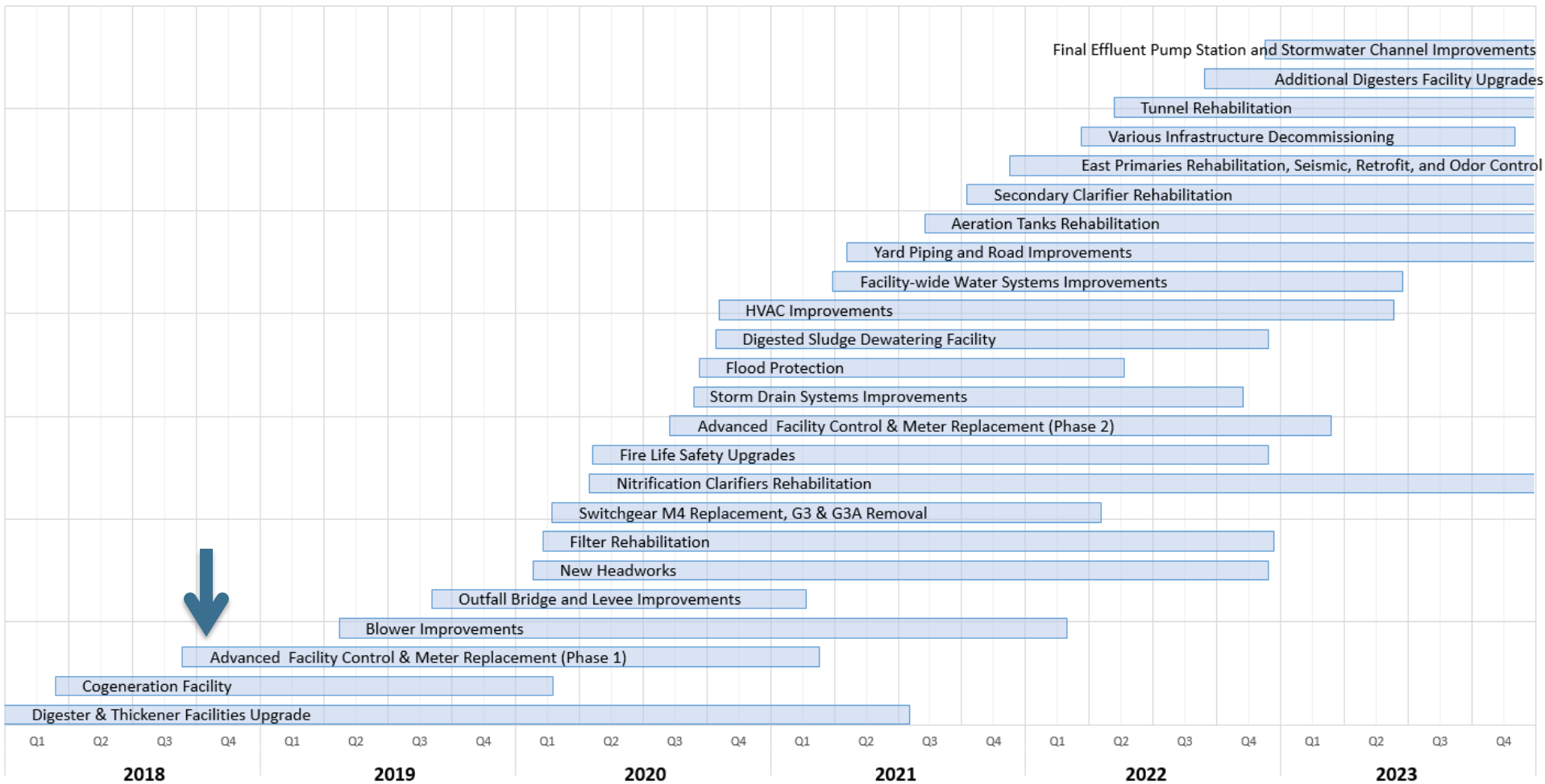
Digester Upgrades: Extensive piping and pumping system to reroute up to 100 million gallons per day in place to enable replacement of the 78-inch settled sewage pipeline.

Construction Highlights

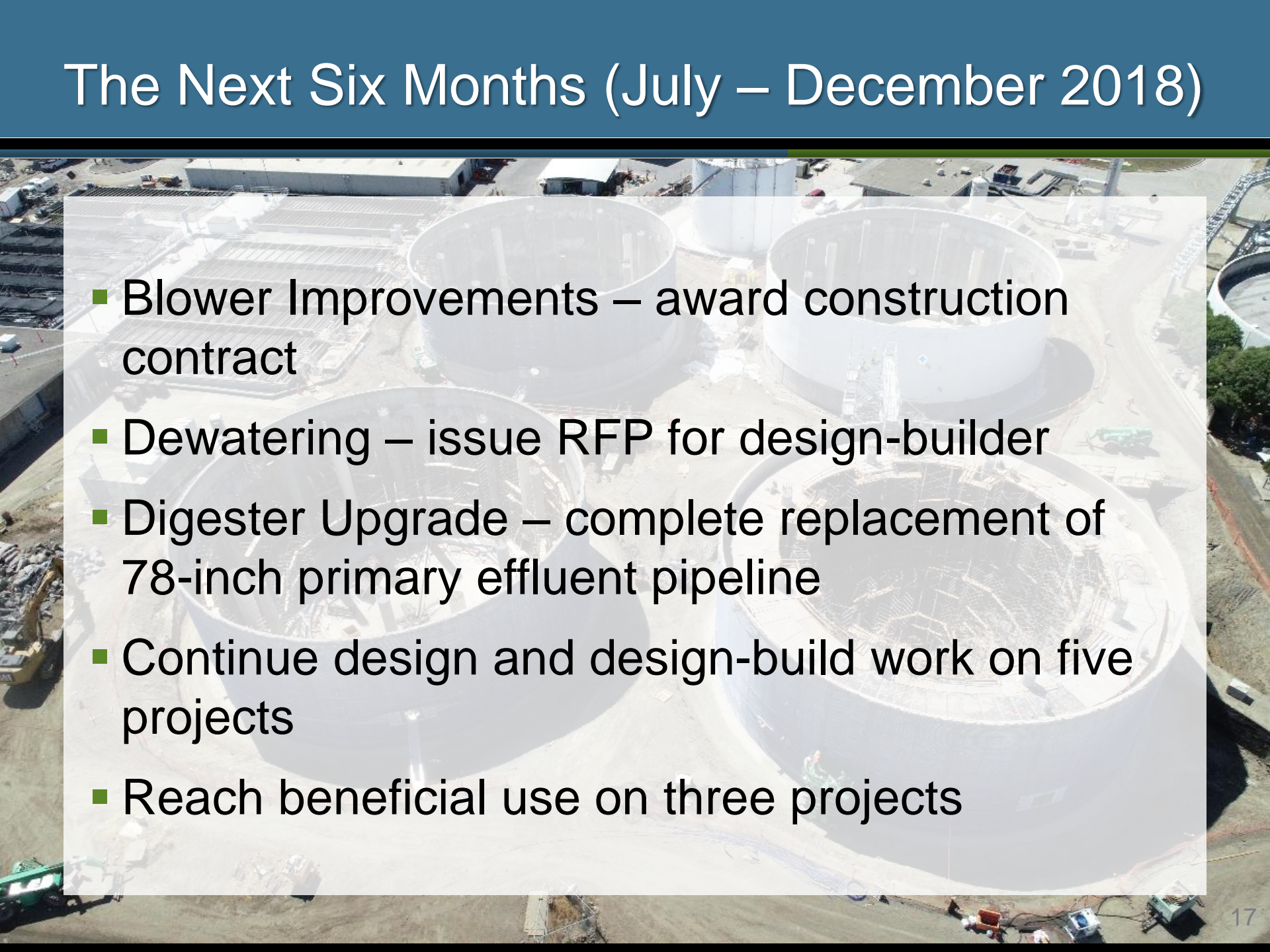


Digester Upgrades: Extensive piping and pumping system to reroute up to 100 million gallons per day in place to enable replacement of the 78-inch settled sewage pipeline.

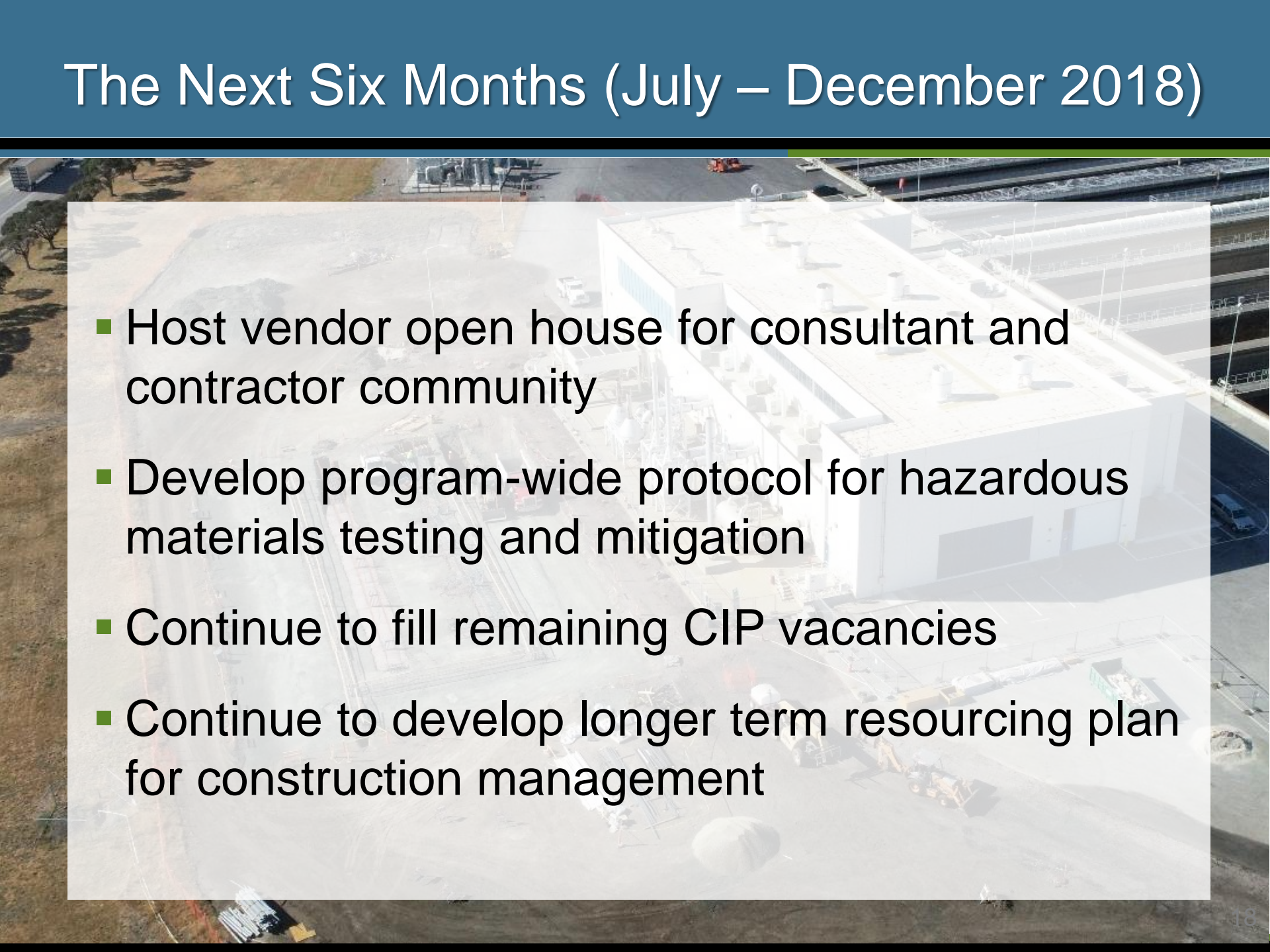
RWF CIP Construction Forecast



The Next Six Months (July – December 2018)

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- An aerial photograph of a wastewater treatment plant. Several large, circular, concrete aeration tanks are visible, some with internal structures. Construction equipment, including excavators and trucks, is scattered around the site, indicating ongoing work. The sky is clear and blue.
- Blower Improvements – award construction contract
 - Dewatering – issue RFP for design-builder
 - Digester Upgrade – complete replacement of 78-inch primary effluent pipeline
 - Continue design and design-build work on five projects
 - Reach beneficial use on three projects

The Next Six Months (July – December 2018)

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- Host vendor open house for consultant and contractor community
 - Develop program-wide protocol for hazardous materials testing and mitigation
 - Continue to fill remaining CIP vacancies
 - Continue to develop longer term resourcing plan for construction management