



# STAFF REPORT

**Report To:** Board of Supervisors

**Meeting Date:** February 2, 2017

**Staff Contact:** Darren Schulz, Public Works Director

**Agenda Title:** For Information Only: Presentation and update on Capital Projects at the Water Resource Recovery Facility (Darren Schulz, dschulz@carson.org)

**Staff Summary:** The Board will be provided an update on status of the WRRF Phase 1A project and a briefing on the proposed next phase of the project referred to as WRRF Capital Improvements FY18.

**Agenda Action:** Other/Presentation

**Time Requested:** 10 minutes

## **Proposed Motion**

No motion. Informational item only.

## **Board's Strategic Goal**

Sustainable Infrastructure

## **Previous Action**

NA

## **Background/Issues & Analysis**

NA

## **Applicable Statute, Code, Policy, Rule or Regulation**

NA

## **Financial Information**

Is there a fiscal impact?  Yes  No

If yes, account name/number:

Is it currently budgeted?  Yes  No

Explanation of Fiscal Impact:

## **Alternatives**

N/A

**Board Action Taken:**

Motion: \_\_\_\_\_

1) \_\_\_\_\_

2) \_\_\_\_\_

Aye/Nay

\_\_\_\_\_

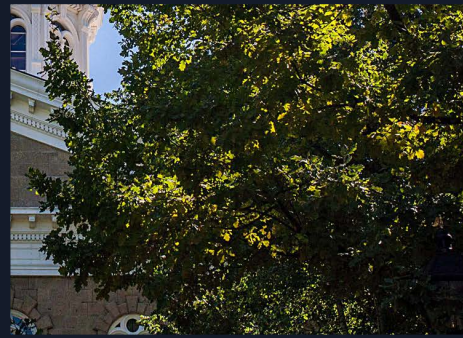
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(Vote Recorded By)



# Water Resource Recovery Facility Capital Improvements Update

February 2, 2017

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# Phase 1A Upgrades

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TLC200 PRO 2016/03/31 11:34:29

# BIOREACTOR





TLC200 PRO 2016/07/01 07:00:05

# CLARIFIER



TLC200 PRO 2016/07/01 07:00:05





# DIGESTER



# Phase 1A Upgrades Milestones

Planned

**March 2016**

- AWARD: 3/3/2016
- NTP: 3/21/2016

**Summer 2017**

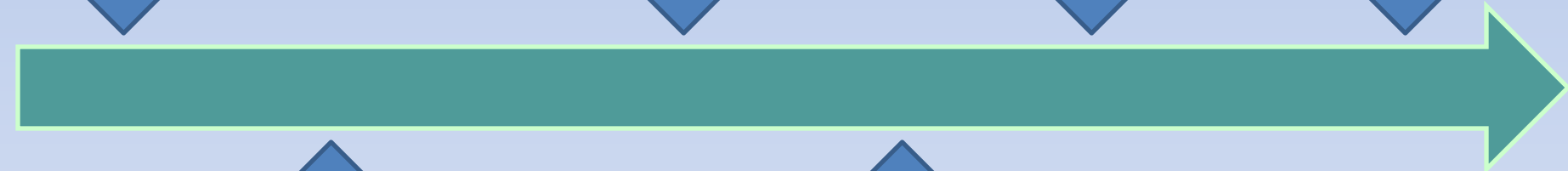
- Digester completion

**Spring 2018**

- Bioreactor completion
- Clarifier completion

**September 2018**

- Substantial Completion



Revised

**85%**  
completion

**February 2017**

**100%**  
completion

**December 2017**

Actual



# WRRF Capital Improvements FY18

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<b>WRRF Capital Improvements FY18</b>		
<b>Projects</b>	<b>Improvements</b>	<b>Estimated Cost</b>
1	Headworks Air Scrubber Addition	\$ 1,080,000
2	Emergency Overflow Pond Lining	\$ 480,000
3	Secondary Clarifier 2&3 sweeps, launders and coating	\$ 1,080,000
4	Dewatering Building conveyor system access platform	\$ 600,000
5	Electrical Equipment upgrade at Headworks Building	\$ 720,000
6	Primary Clarifier & Sludge Pumps rehab	\$ 600,000
7	Primary Equalization Pond conversion	\$ 360,000
8	Effluent Pump Station surge tank replacement	\$ 600,000
9	Warehouse	\$ 720,000
10	Replace Main Road and major East/West Road	\$ 600,000
11	Repair / Replace Parshall Flume at Headworks	\$ 420,000
12	Old Facility Demobilization	\$ 150,000
13	Miscellaneous Electrical upgrade at Effluent PS	\$ 690,000
14	Intermediate Pump Station parallel 16 inch B.I. line	\$ 600,000
15	Sampling Station Shelters	\$ 120,000
16	Plastic Ball Covers for EQ Basin	\$ 60,000
17	Demo Trickling Filter No. 1	\$ 120,000
18	Primary Clarifier Overflow effluent trough covers	\$ 720,000
		<b>\$ 9,720,000</b>

# WRRF Capital Improvements FY18 Milestones

Proposed

**February 2017**

RFP – Design  
Services  
RFP – CMAR  
Construction  
Support

**April 2017**

- Short List  
Interviews
- Contract  
Negotiations

**May 2017**

- BOS contract  
award

**December 2017**

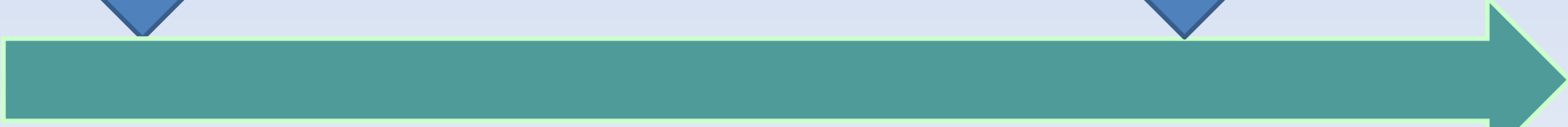
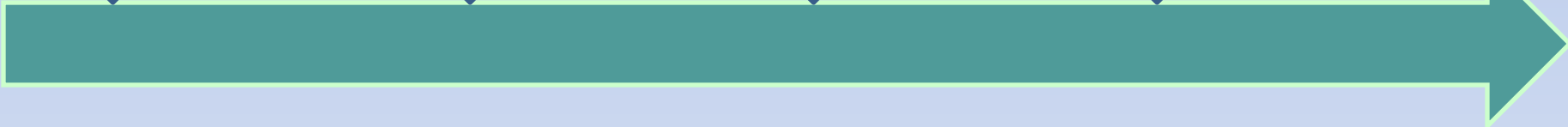
- BOS contract  
award

**March 2018**

- Begin Construction

**March 2019**

- Substantial  
Completion



Questions?

