Orange County Sanitation District
Capital Improvement Program

Rob Thompson
Assistant General Manager
November 14, 2019
Who is OCSD?

396 regional trunk sewer MILES

15 pump stations

479 service area MILES

Reclamation Plant No. 1

Treatment Plant No. 2

Emergency Outfall 1.5 mile long 6.5-foot diameter

Offshore Outfall 5 miles long 10-foot diameter
Resource Recovery

185 million gallons of wastewater collected by OCSD every day

100 million gallons recycled and 85 million gallons released to the ocean every day

Produce about 60% of the power needed by converting biogas to electricity

500 million pounds of biosolids per year
Financial Planning

- Proactive forecasting and planning
- Revenues from user fees and connection fees – Minimal rate increase
- Eliminated OCSD’s unfunded liability
- Taking on no new debt
- AAA Bond Rating
Key CIP Drivers

- Replace and maintain aging facilities – Asset Management
- Groundwater Replenishment System (GWRS) Expansion
- Comply with regulatory requirements
- Improve levels of service, especially odor control
10-Year CIP Outlay

Actual
Proposed Net CIP Outlay

FY18-19
FY19-20
FY20-21
FY21-22
FY22-23
FY23-24
FY24-25
FY25-26
FY26-27
FY27-28
FY28-29

$0
$50
$100
$150
$200
$250
$300
$350
$400

Millions
TEN YEAR NET CIP OUTLAY
(Fiscal Year 2018-19 through Fiscal Year 2027-28)

Net CIP Outlay
$2,669,400,000

- Plant No. 1
  $652,442,306
  25%
- Plant No. 2
  $605,093,223
  23%
- Future R&R
  $374,932,000
  14%
- Collections
  $614,096,158
  23%
- Joint Facilities
  $390,528,681
  15%
- Non-Engineering
  $32,307,632
  1%
Regional Sewer Projects

- La Habra
- Buena Park
- La Palma
- Westminster
- Seal Beach
- Fountain Valley
- Costa Mesa
- Santa Ana
- Tustin
- Orange
- Villa Park
- Anaheim
- Placentia
- Fullerton

Project Start Year

- Current
- 2019 - 2021
- 2022 - 2026
- 2027 - 2031
- 2032 - 2037
Contracting Types

- Project Design/Planning Study Contracts – As Needed
  *Individual Basis, RFP selection*

- Project Construction Contracts – As Needed
  *Public Bid, Low-Bid Selection*

- Specialty On-Call Contracts –
  *Every 3 years, up to $300K per task, SOQ Selection*
  - CEQA Planning – Early 2020
  - Planning Study – Early 2020
  - Small Project Design – 2021
  - Survey, Geotechnical, Corrosion – 2022
  - Maintenance and Repair – 2021

- Supplemental Engineering Staffing – Late 2019
  *Multi-year contracts, RFP Selection*
## Upcoming Design Requests for Proposal

<table>
<thead>
<tr>
<th>Project Name</th>
<th>RFP Date</th>
<th>Construction Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5-68</strong> Newport Beach Pump Station Odor Control Improvements</td>
<td>Nov 2019</td>
<td>$2,000,000</td>
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<tr>
<td><strong>7-65</strong> Gisler-Red Hill Interceptor Rehabilitation</td>
<td>Jan 2020</td>
<td>$8,600,000</td>
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<tr>
<td><strong>P2-128</strong> TPAD Digester Facility at Plant No. 2</td>
<td>Jan 2020</td>
<td>$265,100,000</td>
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<tr>
<td><strong>7-67</strong> Main Street Pump Station Force Main Rehabilitation</td>
<td>Apr 2020</td>
<td>$10,000,000</td>
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<tr>
<td><strong>P2-126</strong> Plant 2 Warehouse Relocation</td>
<td>Jul 2020</td>
<td>$5,500,000</td>
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<tr>
<td><strong>2-49</strong> Taft Branch Improvements</td>
<td>Aug 2020</td>
<td>$4,700,000</td>
</tr>
<tr>
<td><strong>P2-134</strong> Substation Replacement at Plant No. 2</td>
<td>Aug 2020</td>
<td>$24,200,000</td>
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<tr>
<td><strong>7-68</strong> MacArthur Force Main Improvements</td>
<td>Jan 2021</td>
<td>$1,400,000</td>
</tr>
<tr>
<td><strong>P1-126</strong> Primary Clarifiers Replacement and Improvements at Plant No. 1</td>
<td>Sept 2021</td>
<td>$67,400,000</td>
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</tbody>
</table>
# Upcoming Construction Project Bids

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Description</th>
<th>Advertise Date</th>
<th>Construction Estimate</th>
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</thead>
<tbody>
<tr>
<td>J-127</td>
<td>Natural Gas Pipelines Replacement at Plants No. 1 and 2</td>
<td>Jan 2020</td>
<td>$500,000</td>
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<tr>
<td>3-64A</td>
<td>Orange-Western Sub-Trunk Rehabilitation</td>
<td>Apr 2020</td>
<td>$10,100,000</td>
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<tr>
<td>P1-134</td>
<td>South Perimeter Security and Utility Improvements at Plant No. 1</td>
<td>Jun 2020</td>
<td>$6,000,000</td>
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<tr>
<td>P1-128A</td>
<td>Headquarters Complex at Plant No. 1</td>
<td>Jul 2020</td>
<td>$99,100,000</td>
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<tr>
<td>P2-124</td>
<td>Interim Food Waste Receiving Facility</td>
<td>Jul 2020</td>
<td>$3,400,000</td>
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<tr>
<td>P1-105</td>
<td>Headworks Rehabilitation at Plant No. 1</td>
<td>Aug 2020</td>
<td>$291,800,000</td>
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<tr>
<td>3-64B</td>
<td>Los Alamitos Trunk Sewer Rehabilitation</td>
<td>Sept 2020</td>
<td>$37,500,000</td>
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<tr>
<td>7-66</td>
<td>Sunflower and Red Hill Interceptor Repairs</td>
<td>Oct 2020</td>
<td>$3,300,000</td>
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<tr>
<td>P2-98A</td>
<td>A-Side Primary Clarifiers Replacement at Plant No.2</td>
<td>Oct 2020</td>
<td>$143,000,000</td>
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</tbody>
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Questions?

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