

2021 Asset Management Plan

Presented by:

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Engineering
Supervisor

Administration
Committee

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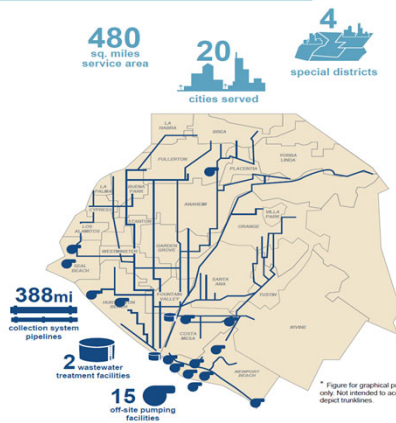
Intent and Purpose

"OC San will know the condition of assets we own and will have a plan to operate and maintain these assets to deliver the required level of service, at the lowest life cycle cost, with an acceptable level of risk."

~ James D. Herberg, OC San General Manager

Replacement Value

\$10.7B
assets



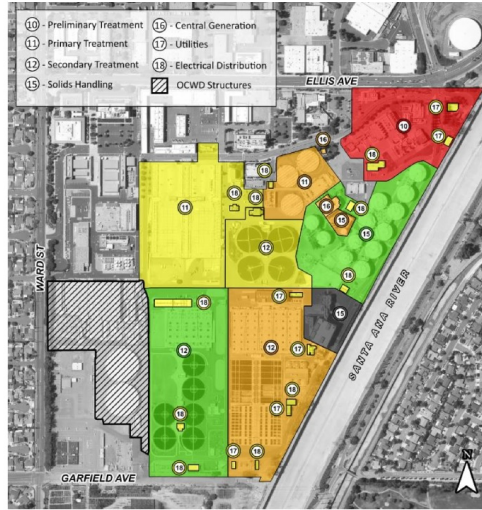
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Plant No. 1 Condition and Projects

- 5 • RUL: < 5 years
- 4 • RUL: 5 – 10 years
- 3 • RUL: 11 – 15 years
- 2 • RUL: 16 – 20 years
- 1 • RUL: > 20 years

Average Remaining Useful Life (RUL) Score Map



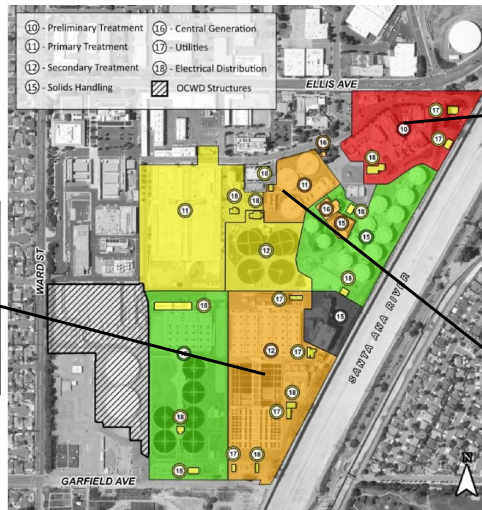
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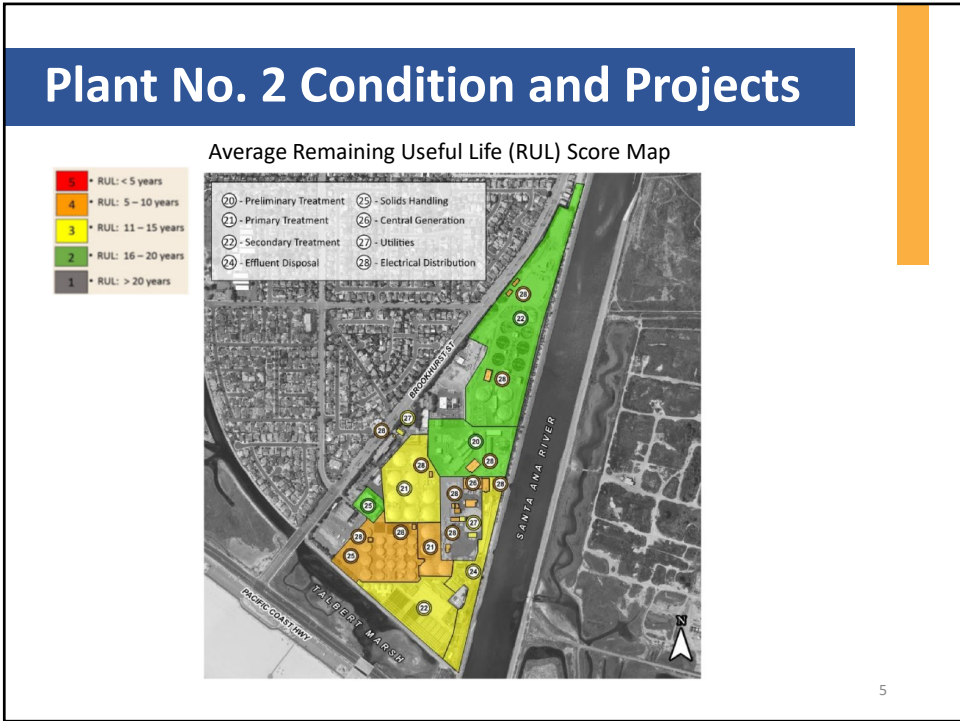
P1-140 Activated Sludge 1 & Secondary Clarifier Rehabilitation
Project Budget: \$270M

P1-105 Headworks Rehabilitation at Plant No. 1
Project Budget: \$406M

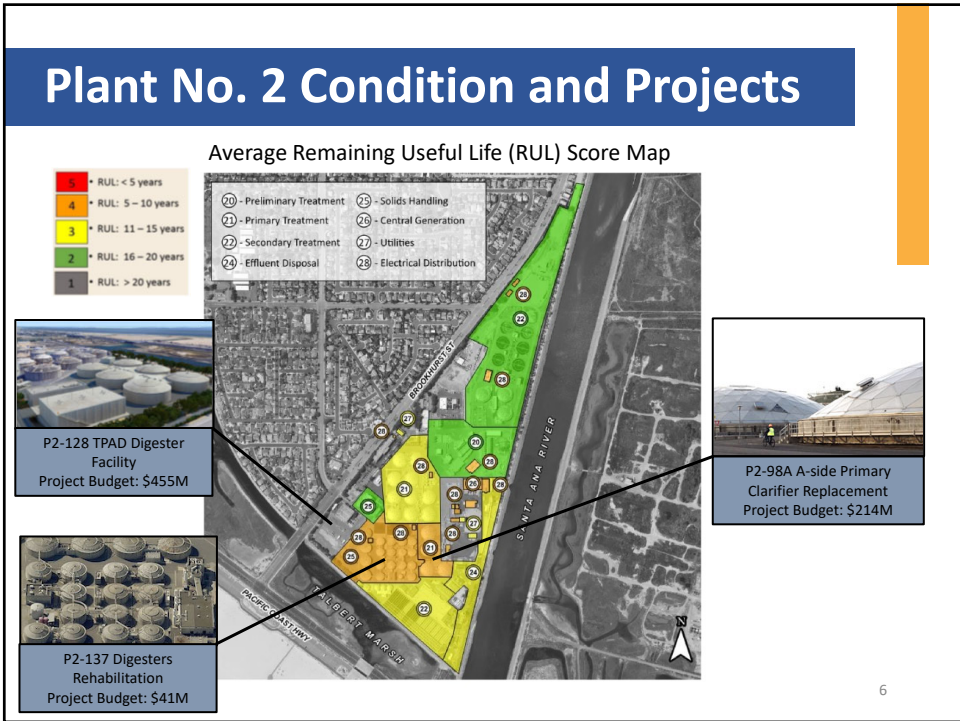
P1-126 Primary Sedimentation Basins No. 3-5 Replacement
Project Budget: \$118M

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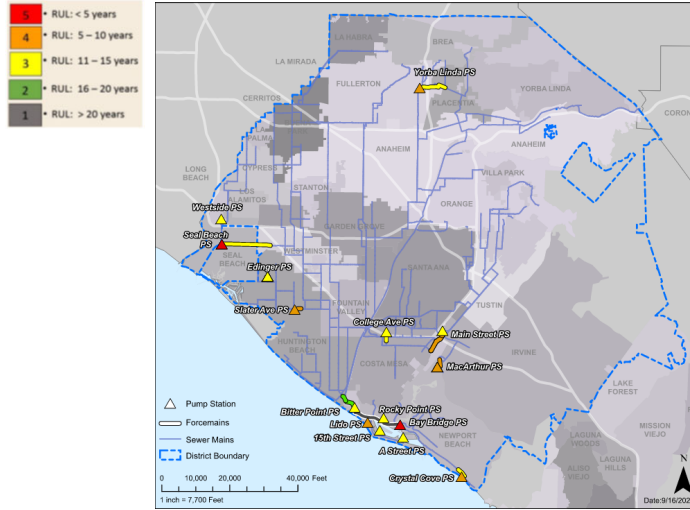
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Pump Station Condition and Projects

Average Remaining Useful Life (RUL) Score Map

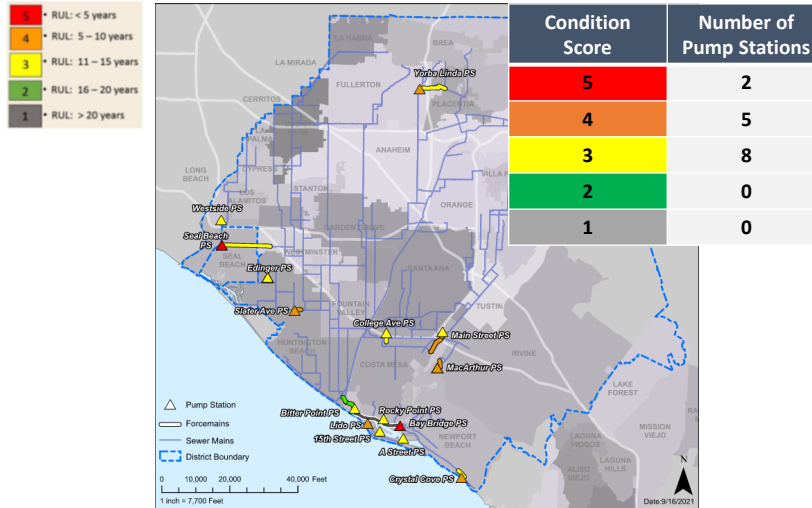


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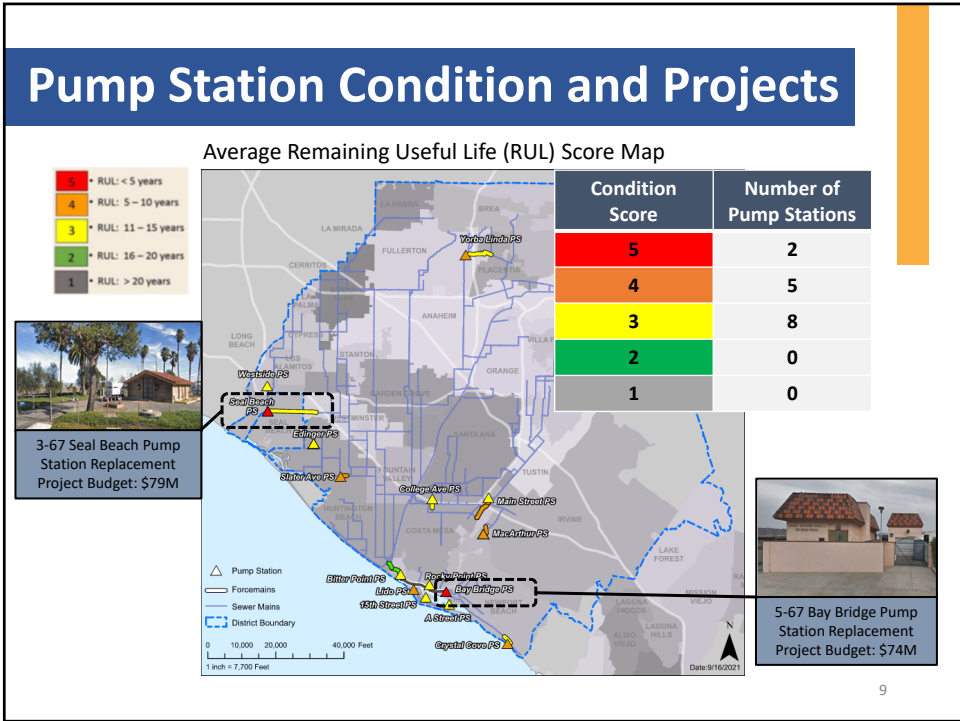
Pump Station Condition and Projects

Average Remaining Useful Life (RUL) Score Map

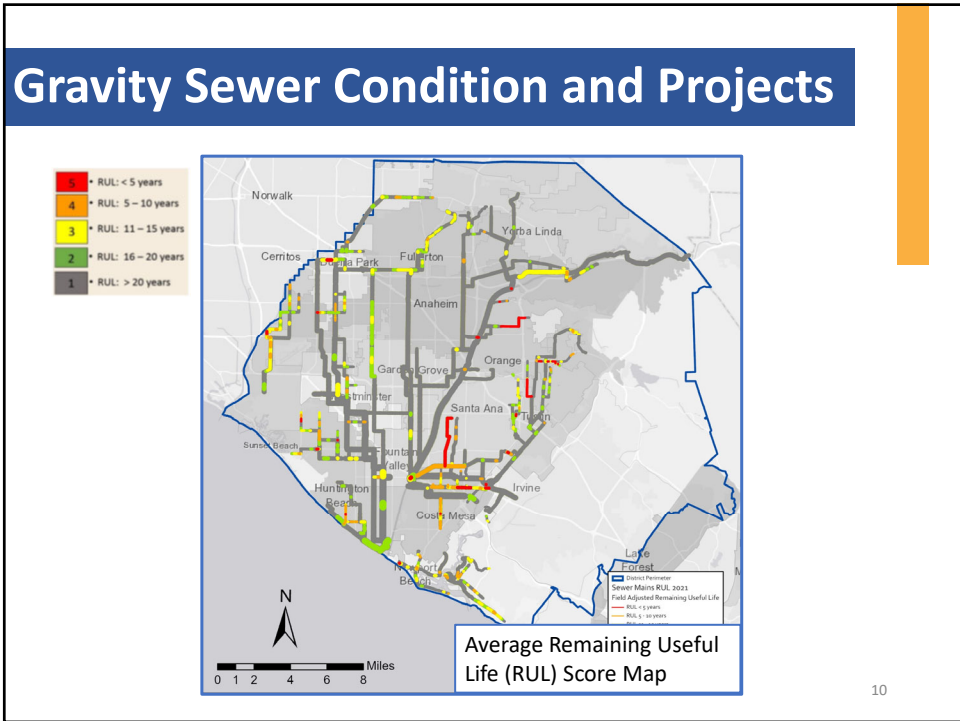


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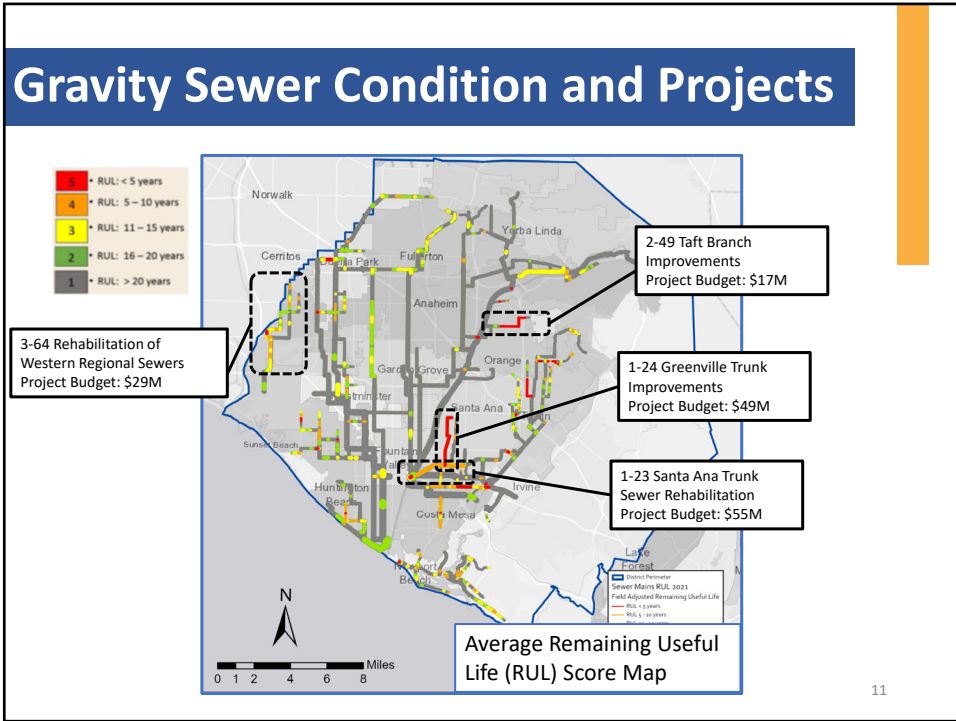
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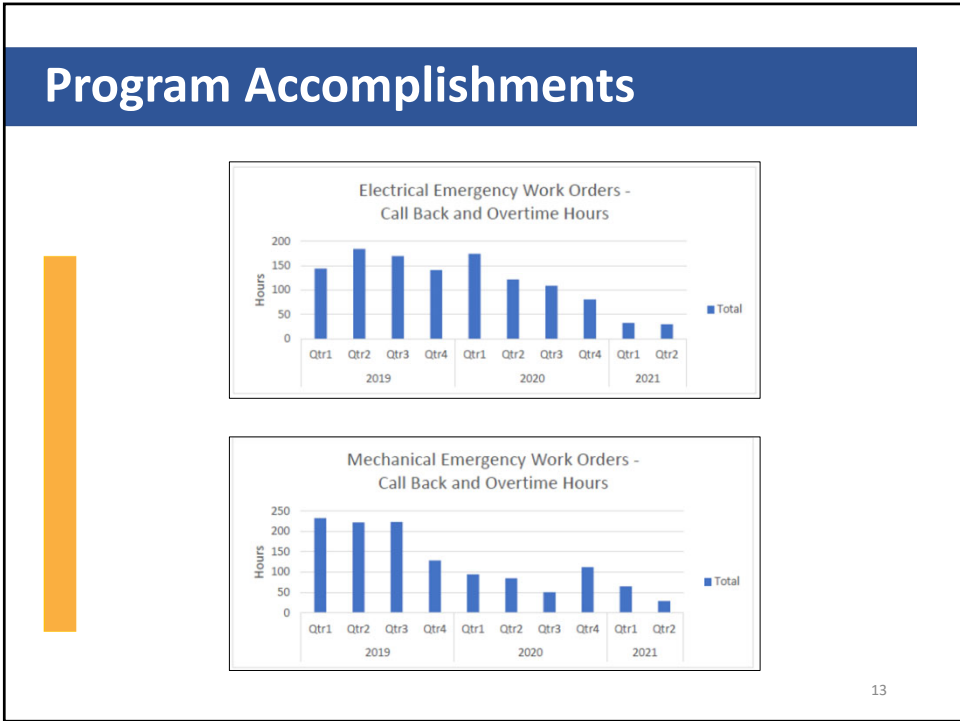
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Measuring the Success of the Program

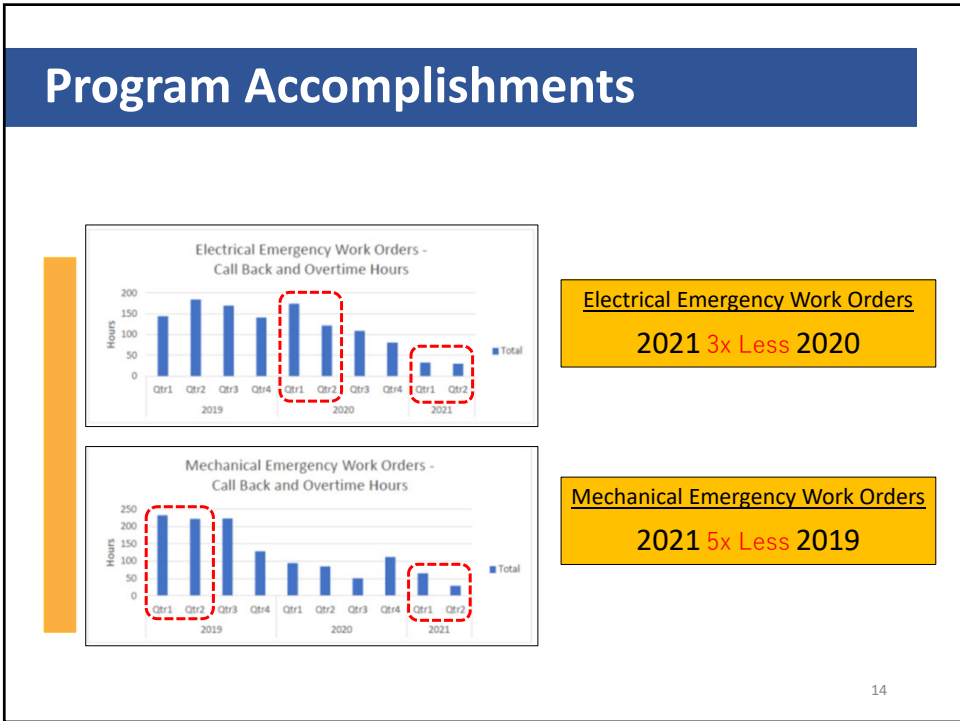
CASA

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Program Accomplishments



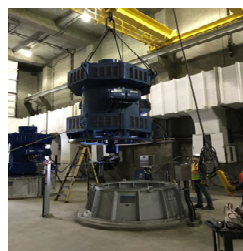
50 Condition Assessments



Collection System Resiliency



Central Generation Facility Planning



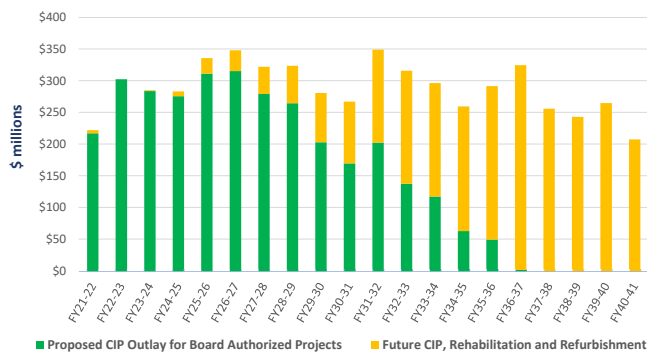
Effective Project Execution

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Impact of Asset Management

- CIP: \$3.5B with 200 Active Projects
- Small Projects: \$60M with 43 Active Projects



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Questions?



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