

Asset Management Plan

Orange County Sanitation District

Eros Yong Engineering Manager Operations Committee December 2, 2020





Comprehensive Asset Management Program









Known Asset Replacement Value

\$10.7B
assets

Comprehensive 20-year CIP



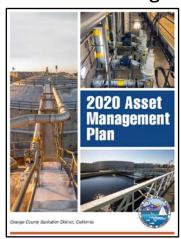
Rate structure supporting the 20-year CIP



Comprehensive condition assessment program



Tactical Asset Management



Proactive Maintenance



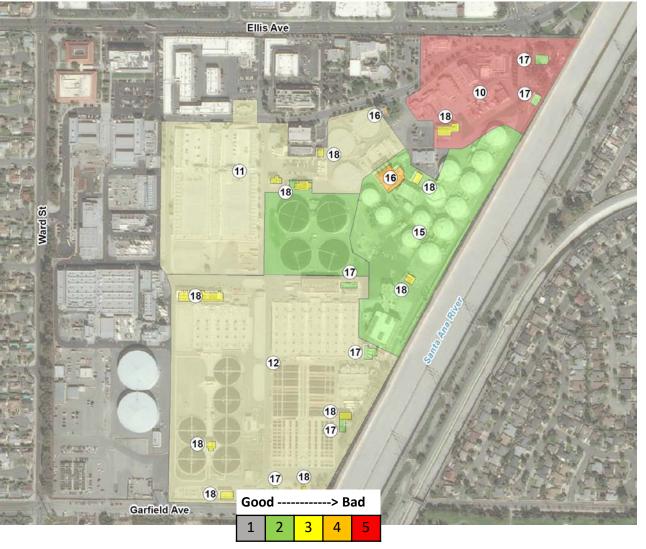
What Did We Learn? Plant No. 1











What Did We Learn? Plant No. 1

Garfield Ave

Instrumentation

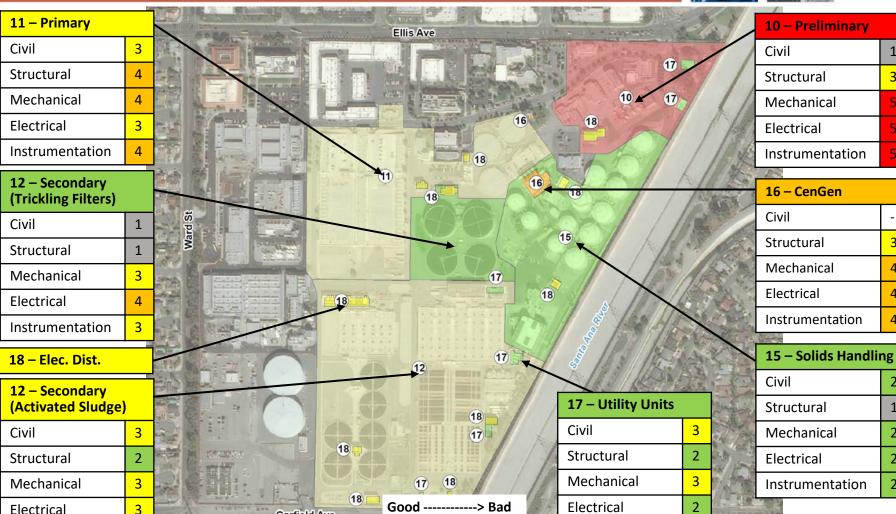






Instrumentation





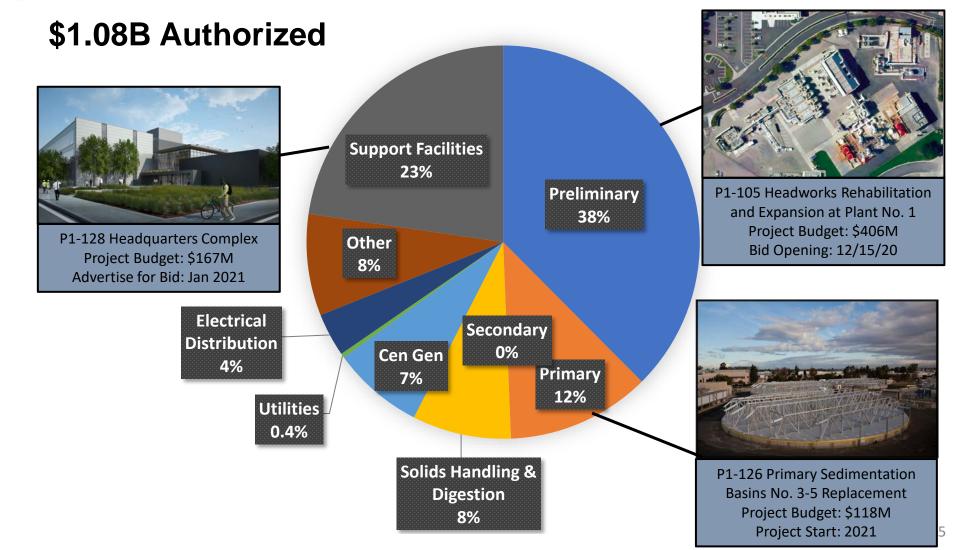
CIP Budget Allocation Plant No. 1











What Did We Learn? Plant No. 2











What Did We Learn? Plant No. 2

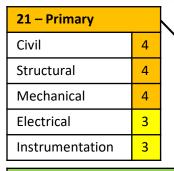








26 - CenGen



(Dewatering/Thickening) Civil 2 2 Structural Mechanical 2

25 - Solids Handling

Electrical 2 Instrumentation

25 - Solids Handling

(Digesters)		
Civil	3	
Structural	5	
Mechanical	4	
Electrical	4	
Instrumentation	4	

22 – Secondary (Trickling Filters)		CARL SAMEDONE
Civil	2	487 0000
Structural	1	Spinor Course
Mechanical	2	Section of the last of the las
Electrical	3	State Section 1
Instrumentation	3	ATT DESCRIPTION

22 - Secondary (Activated Sludge) Structural 3 Mechanical 3

Civil

Electrical

Instrumentation

THE RESERVE AND A PARTY NAMED IN COLUMN TWO		
28 – Elec. Dist.	20 – Preliminary	
	Civil	1
《》 《 》 《 》 《 》	Structural	1
	Mechanical	2
開展國家等外	Electrical	2
28	Instrumentation	2
22		

Good -----> Bad

Civil	-
Structural	3
Mechanical	4
Electrical	4
Instrumentation	4

27 – Utility Units		
Civil	3	
Structural	3	
Mechanical	3	
Electrical	2	
Instrumentation	1	

24 – Effluent Disposal		
Civil	2	
Structural	2	
Mechanical	2	
Electrical	3	
Instrumentation	3	
•		

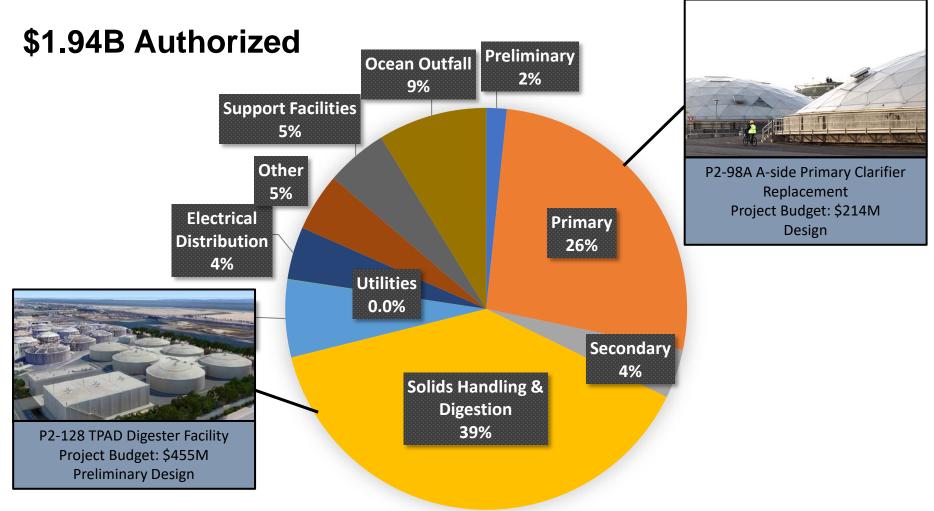
CIP Budget Allocation Plant No. 2











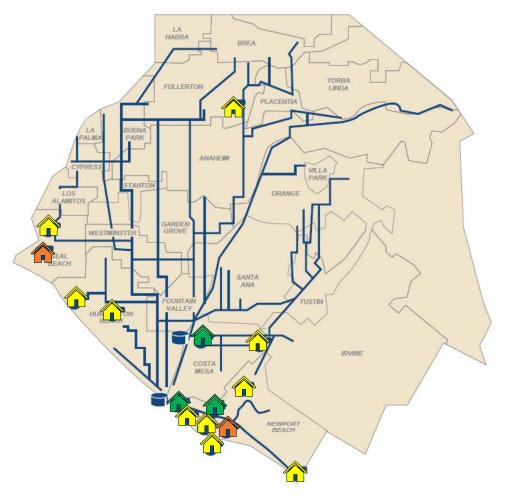
What Did We Learn? Pump Stations











Pump Stations	Civil	Structural	Mechanical	Electrical	Instrumentation	OVERALL SCORE
15th Street	3	4	3	2	2	3
A Street	3	4	3	3	2	3
Bay Bridge	4	4	4	4	5	4
Bitter Point	2	3	3	1	2	2
College Avenue	3	2	3	2	1	2
Crystal Cove	3	3	4	3	2	3
Edinger	4	3	3	3	3	3
Lido	1	4	4	4	4	3
MacArthur	4	3	4	3	1	3
Main Street	4	3	4	2	2	3
Rocky Point	1	3	2	2	2	2
Seal Beach	3	4	4	5	4	4
Slater	4	4	4	3	2	3
Westside	3	3	3	2	3	3
Yorba Linda	3	4	3	3	2	3

Good -----> Bad

1 2 3 4 5

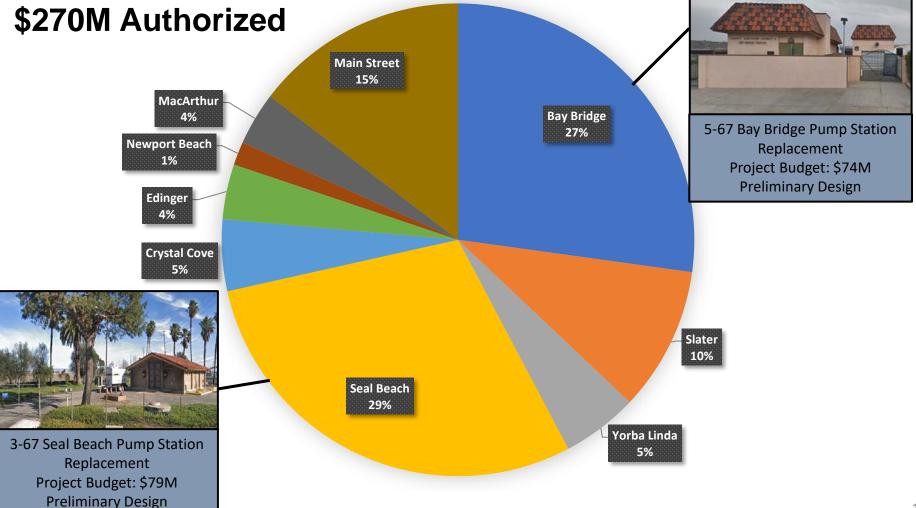
CIP Budget Allocation Pump Stations











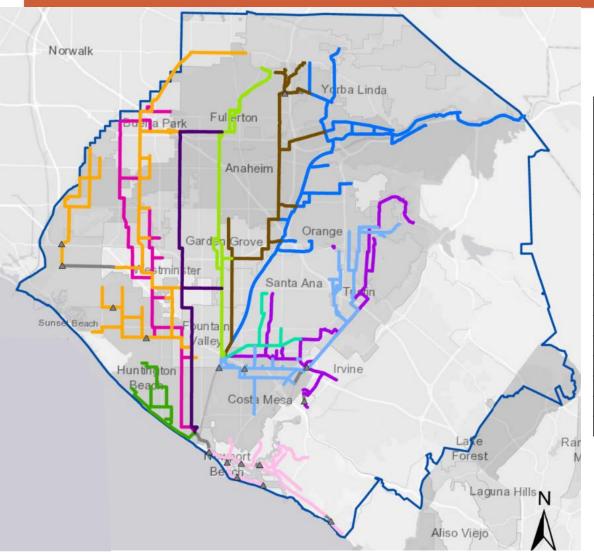
What Did We Learn? Gravity Sewers











Gravity Sewer	Total Miles	% with Significant Structural Defects	% with Capacity Issues
Baker-Main	42.6	7.8%	3.6%
Bushard	21.4	2.5%	0.0%
Coast Hwy	11.4	2.0%	0.0%
Euclid	34.4	5.2%	0.0%
Knott	73.2	2.7%	0.0%
Miller-Holder	31.4	0.9%	2.3%
Newhope-Placentia	30.9	2.0%	0.0%
Newport	31.6	3.7%	0.0%
SARI	50.4	1.9%	3.6%
Sunflower	34.8	4.8%	0.0%
Talbert	8.4	2.0%	35.9%
Interplant	16.9	0.0%	0.0%
Total	387.4	3.3%	2.5%

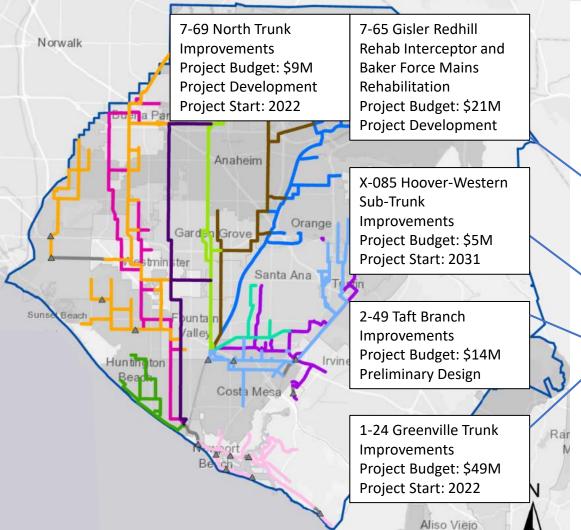
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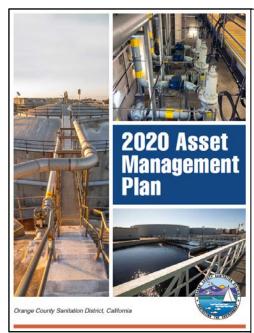
20-Year Plan for our Assets

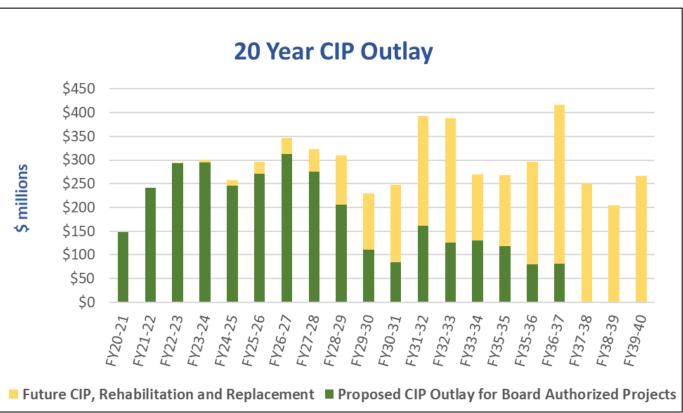












Recommended Action

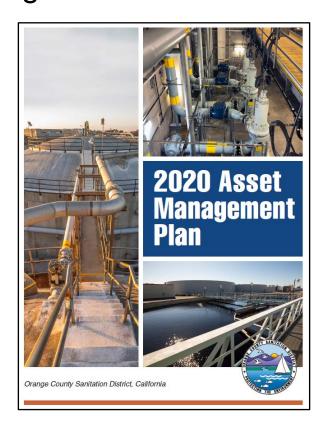








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Questions?