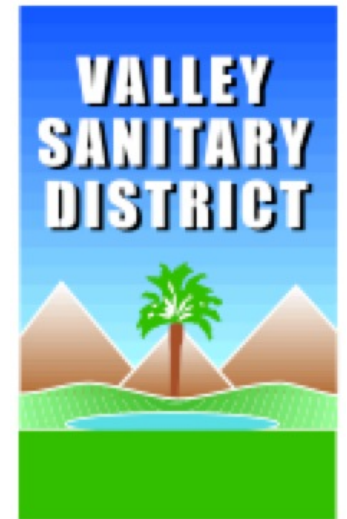


*PRESENTATION to the  
VALLEY SANITARY DISTRICT*

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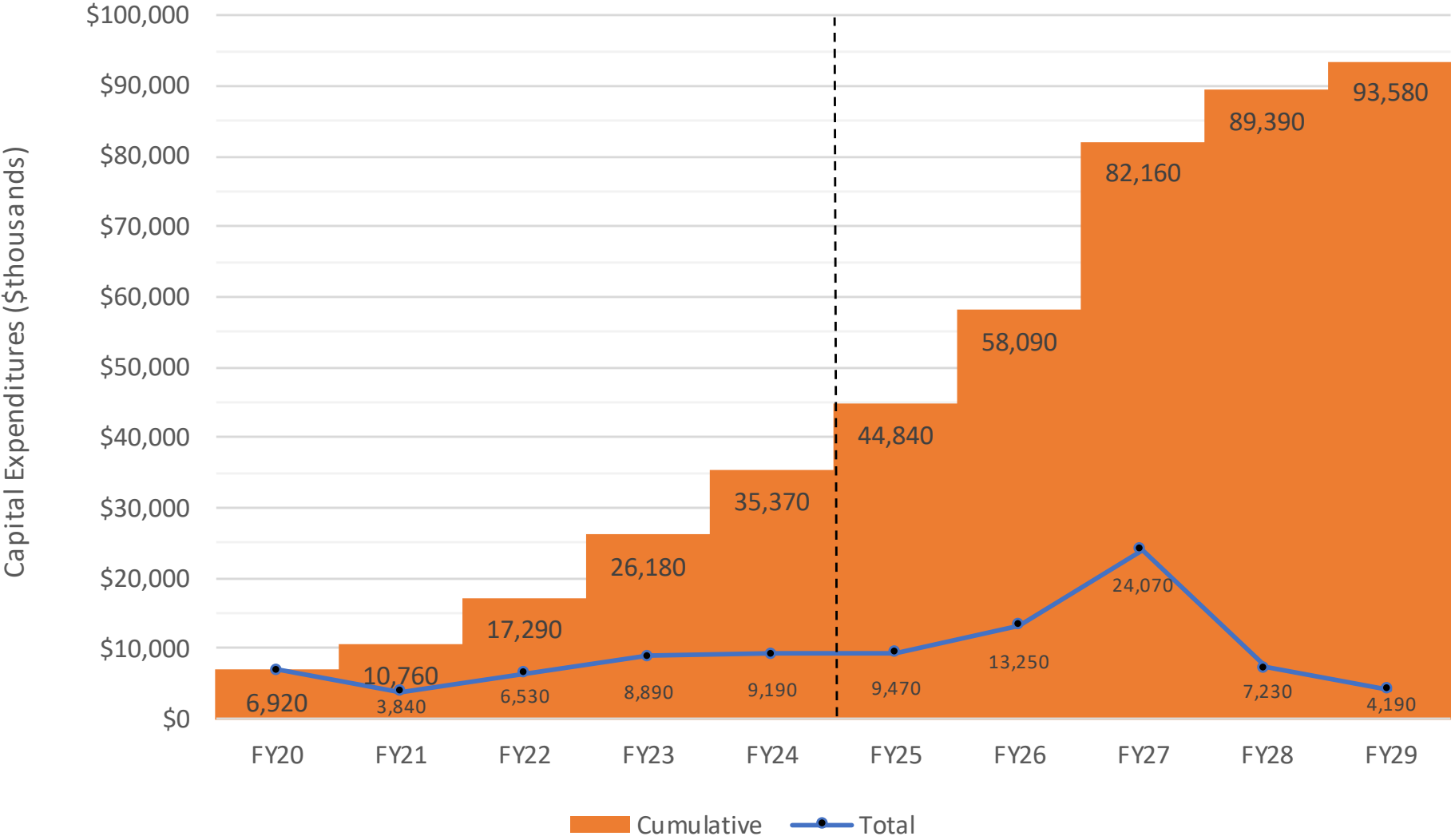
***Sewer Service Charges and  
Sewer Capacity Charges  
Summary Report***



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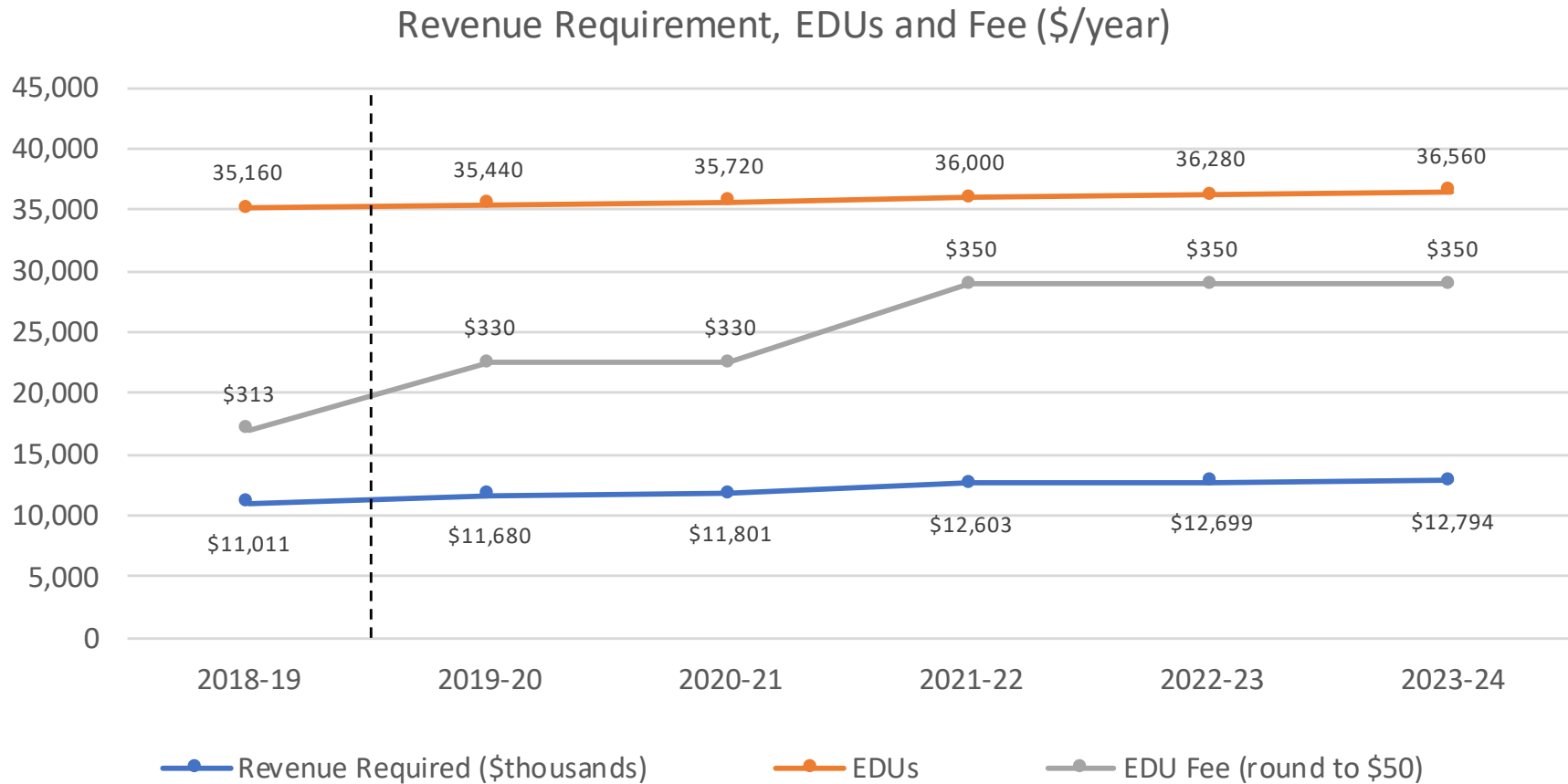
March 2019

# Ten-Year Capital Expenditures

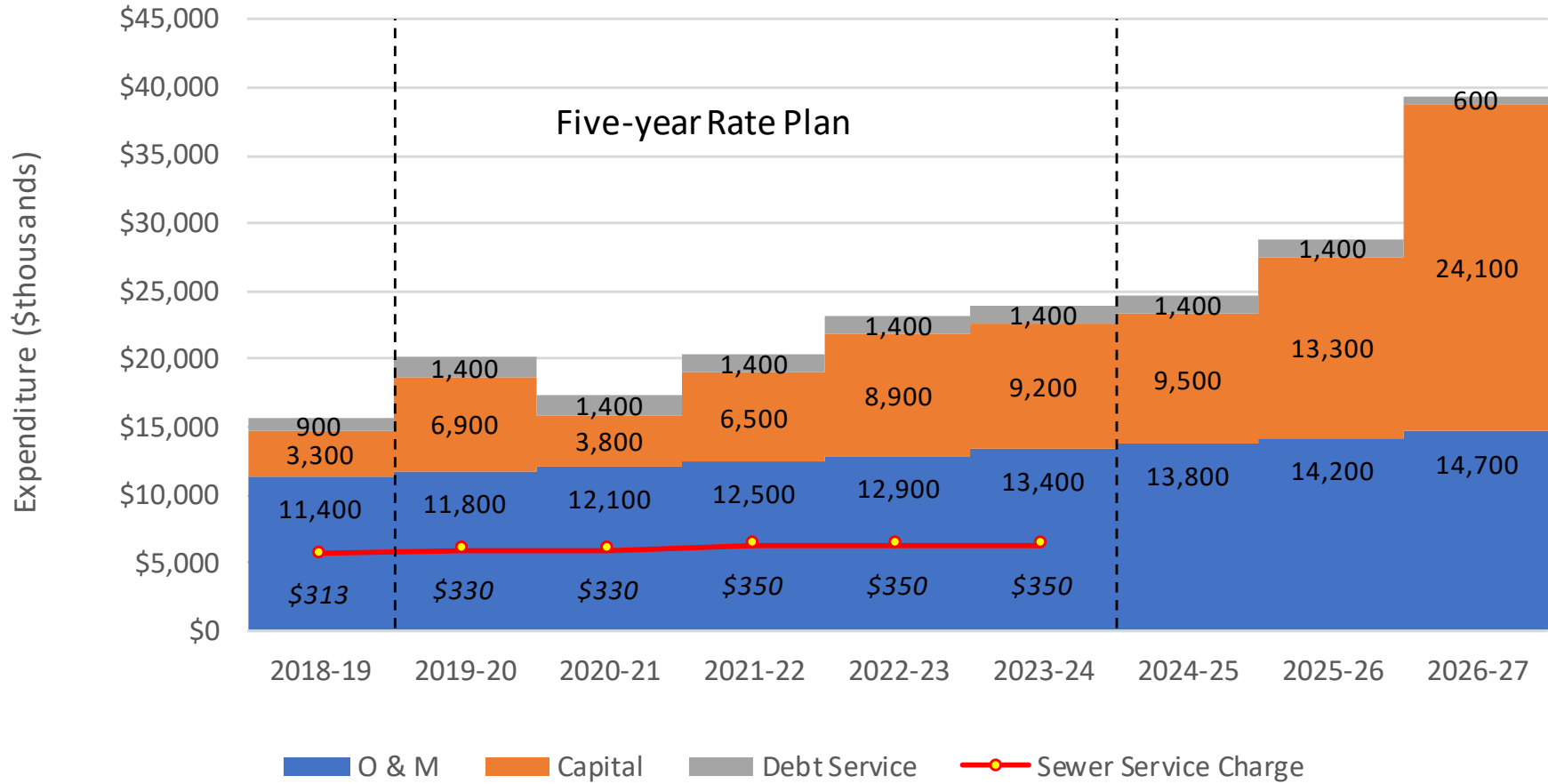


# Alternative 1 – Current and Projected Rates

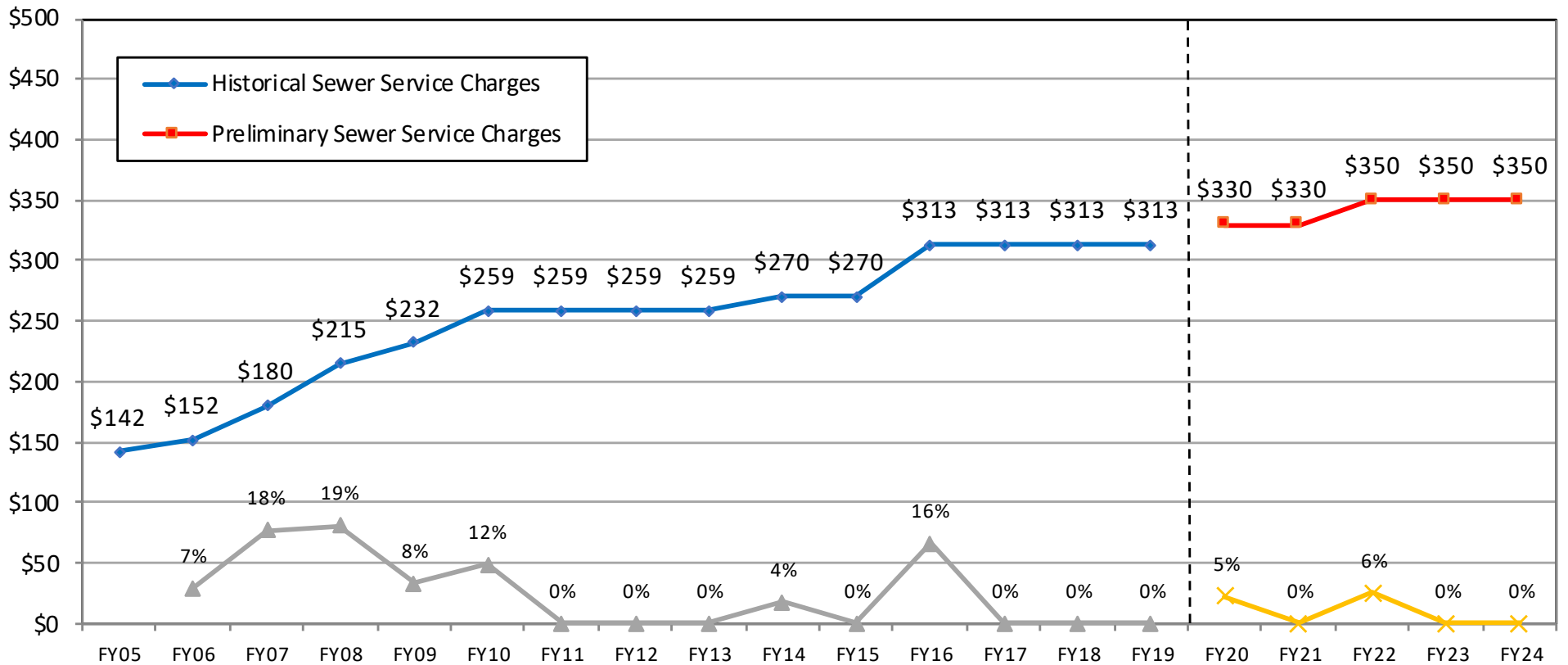
Charges for FY 2019-20 - FY 2023-24 are preliminary and for information only



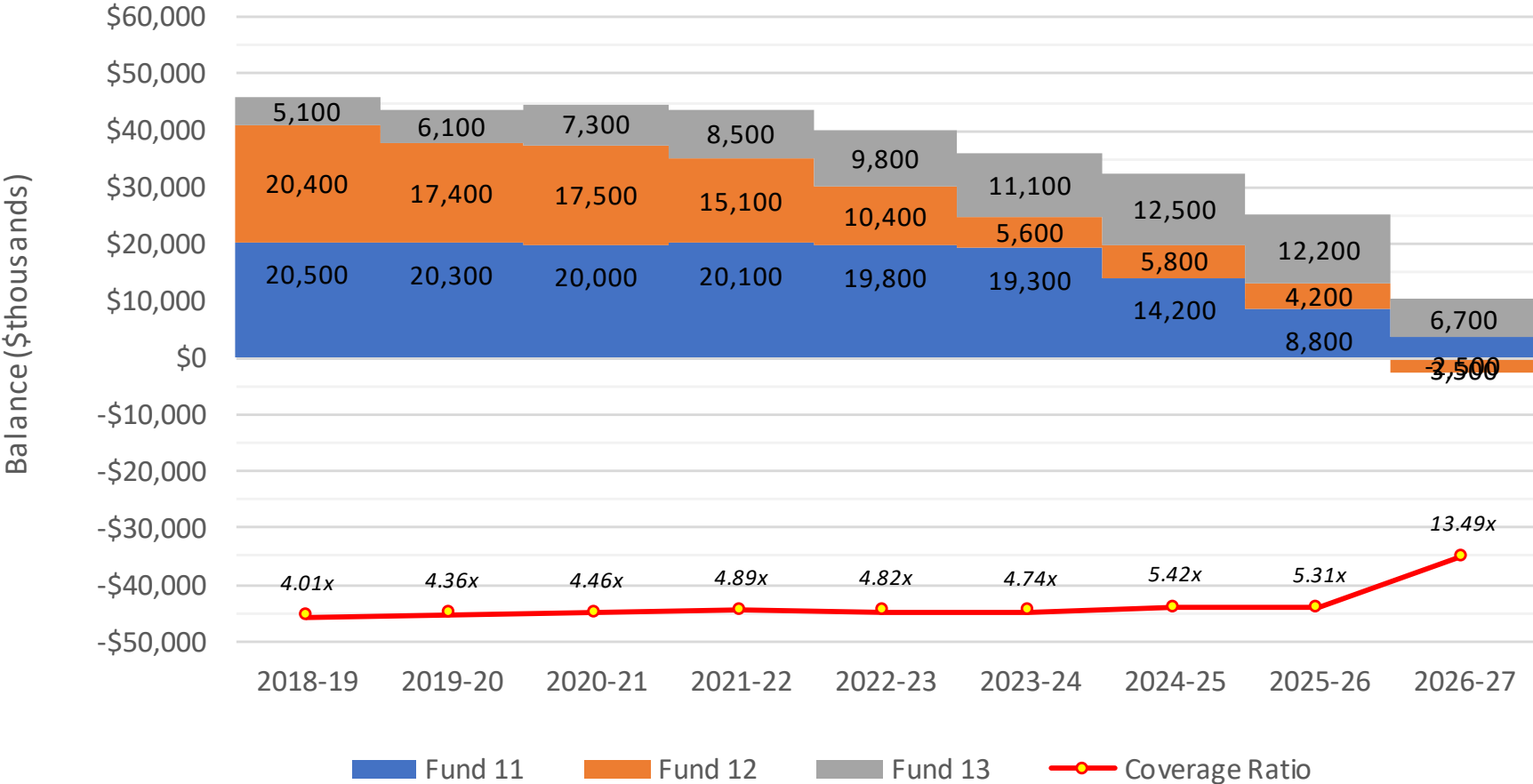
# All Alternatives – Total Expenditures



# Alternative 1 – Future CIP Debt Funded or Higher Rates Charges for FY 2019-20 - FY 2023-24 are preliminary and for information only



# Alternative 1 - Funds 11, 12 and 13 Cash Balances



# Sewer Service Charges Comparison

Mission Springs Water District	\$573	increases to \$602 by 2020
City of Coachella	\$552	
California Statewide Average (FY 2016-17)	\$529	
City of Beaumont	\$438	
Cathedral City (Desert Water Agency)	\$415	
Coachella Valley Water District	\$321	
<b>Valley Sanitary District (recommended)</b>	<b>\$330</b>	
<b>Valley Sanitary District (current)</b>	<b>\$313</b>	
City of Palm Springs	\$276	increases to \$420 by 2031
City of Banning	\$271	

# Sewer Service Charges – EDU Formula

$$\text{EDU} = \frac{Q}{300} \left[ \overset{\text{(A)}}{0.42} + \overset{\text{(B)}}{0.36} \frac{(\text{COD})}{500} + \overset{\text{(C)}}{0.22} \frac{(\text{SS})}{240} \right]$$

Where:

**Q** = daily sewage flow in gallons

**COD** = quarterly 92-day average COD concentration in mg/L for COD in excess of 500 mg/L  
concentrations of 500 mg/L or less will be calculated at 500 mg/L

**SS** = quarterly 92-day average SS concentration in mg/L for SS in excess of 240 mg/L  
concentrations of 240 mg/L or less will be calculated at 240 mg/L

**(A)** = the portion of annual revenue requirements related to sewage flow

**(B)** = the portion of annual revenue requirements related to sewage COD loadings

**(C)** = the portion of annual revenue requirements related to sewage SS loadings



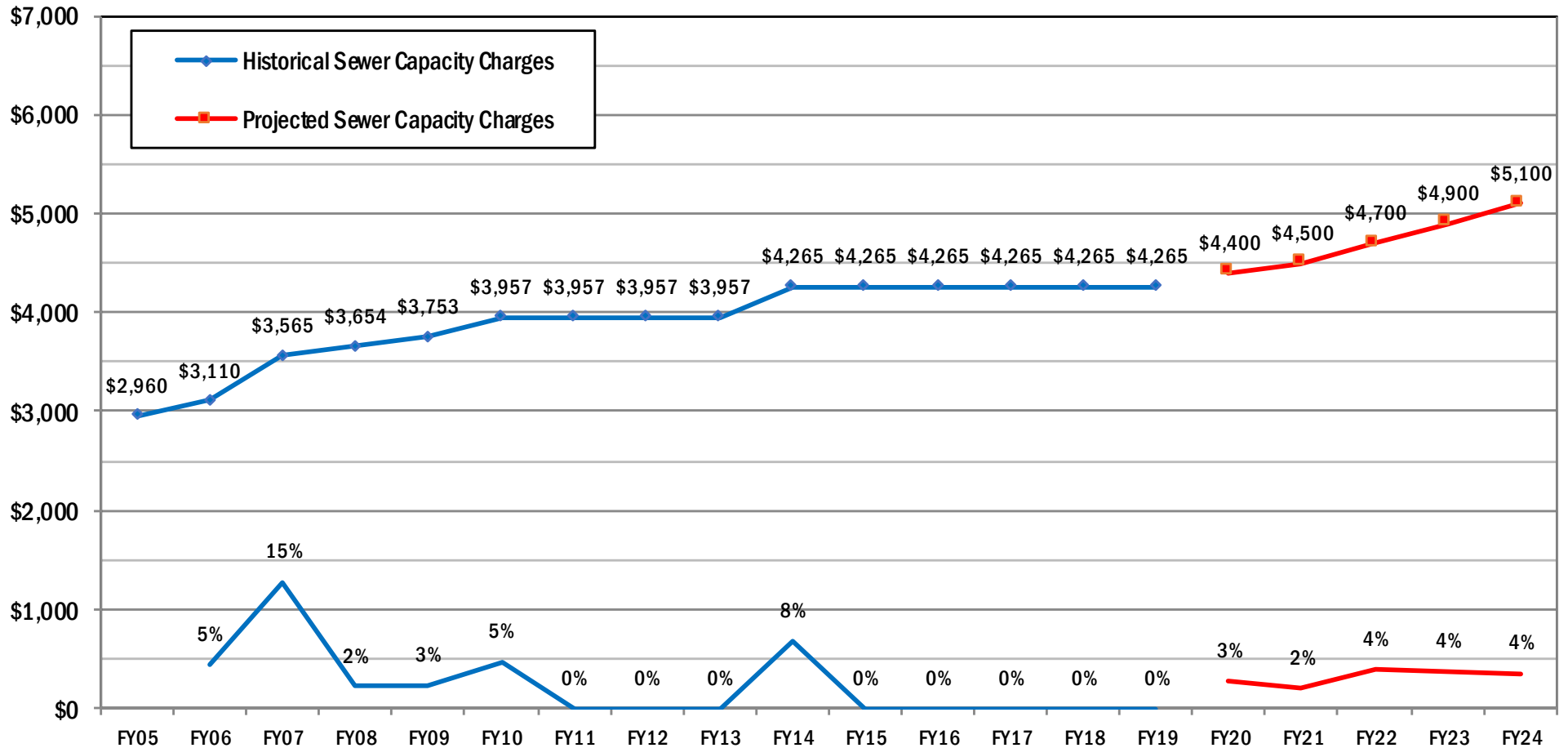
# Current User Classifications

User Classification	EDU	Current EDUs	
		per	Label
Single Family Dwellings *	1	each	
Recreation Vehicle/Motel Rooms	0.5	each	
Recreation Vehicle w/sewer service connection	1	each	
Library/Church	1	each	
Church with Kitchen	2	each	
Professional Building (Tenant)	1	each	
Administrative Offices-city, county, state	1	5	employees
Hospital	1	2	beds
Rest Homes	1	3	beds
Laundry/Laundromat	1	3	washers
Restaurant/Tavern	3	blank	
Restaurant and Tavern or Drive-Thru	4	blank	
Gas Station	2	blank	
Gas Station with Wash Rack	3	blank	
Car Wash	3	blank	
Animal Hospital/Clinic/Kennel	3	blank	
Barber Shop/Beauty Shop	1	2	sinks
Retail Stores	1	2000	square feet
Warehousing	1		restroom
Food Markets	1	2000	square feet
Plus	12		food grinder
<b>SCHOOLS</b>			
Pre-School, K-5	1	23	students
Junior High/High/Continuation/Adult	1	14	students
<b>MOVIE THEATERS</b>			
Theaters	1	100	seats
Other theaters	1	100	seats
<b>INSTITUTIONAL</b>			
County Sheriff substation/County Jail	1	3.5	employees
County Juvenile Hall	1	5	employees
County administration, courts, clinics, mental health	1	20	gallons/fixture
Restrooms in parks	1		restroom
<b>INDUSTRIES/MANUFACTURING</b>			
For domestic wastewater	1	20	gallons/fixture
For non-domestic wastewater			non-domestic wastewater formula
<b>CABAZON BAND OF MISSION INDIANS FACILITIES</b>			
All uses specifically on this schedule shall be charged the same UOS as others			
Casino Facilities	1	20	gallons/fixture
<b>RV DUMP STATIONS</b>			
Recreational vehicle park w/hook-up; w/o dump stations	1	6	spaces
Recreational "rally field" with dump stations	0.5		acre
Dump stations for RV's and buses	15		station

# Sewer Capacity Charges – Methodology

- Prepare documentation of methodology, source data and calculations
- Develop valuation of wastewater system assets
- Evaluate wastewater system capacity
- Evaluate Single Family customer class loadings
- Develop wastewater system capacity charge

# Capacity Charges – Historical and Projected



# Sewer Capacity Charges Survey

