Comprehensive Capital Development Plan (CCDP)

- Purpose
  - Account for all revenue and expenses related to the state's water supply storage (update to previous plan)
  - Long term planning tool for future program needs
    - Acquisition of New Supply Storage
    - New Storage development
    - Storage Maintenance Planning
    - Protection & Restoration of State Owned Storage

Comprehensive Capital Development Plan (CCDP)

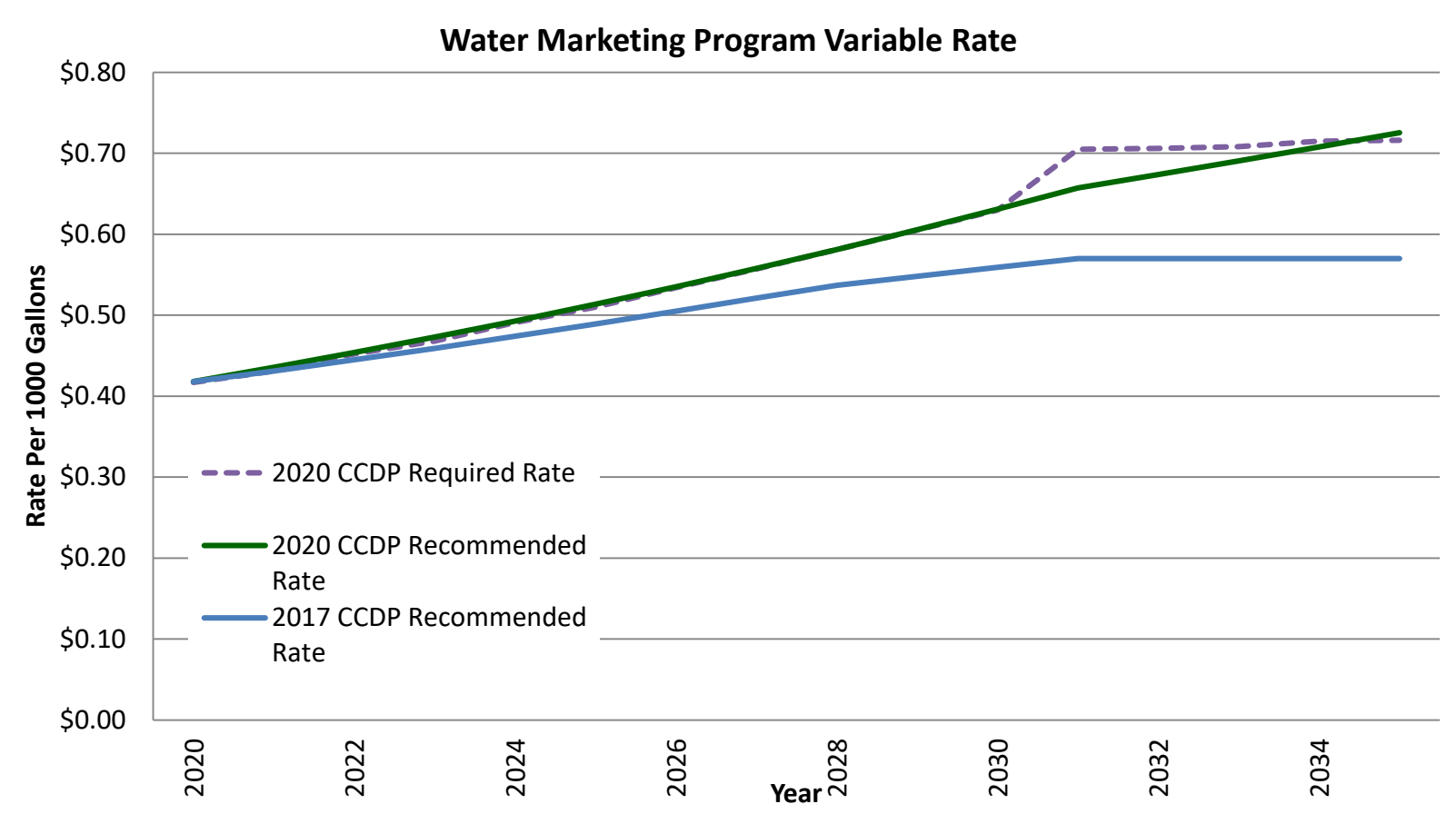
- **"Comprehensive" Plan**
  - Need to protect/restore water supply storage
    - Continue to meet long term needs
    - Beyond marketing program customers/resources
  - Interconnection of other state funding to water supply storage
    - Communicate funding needs
  - Enhance Project Planning
    - Prioritize projects with greatest benefits

Accounts for all revenue and expenses related to state-owned storage

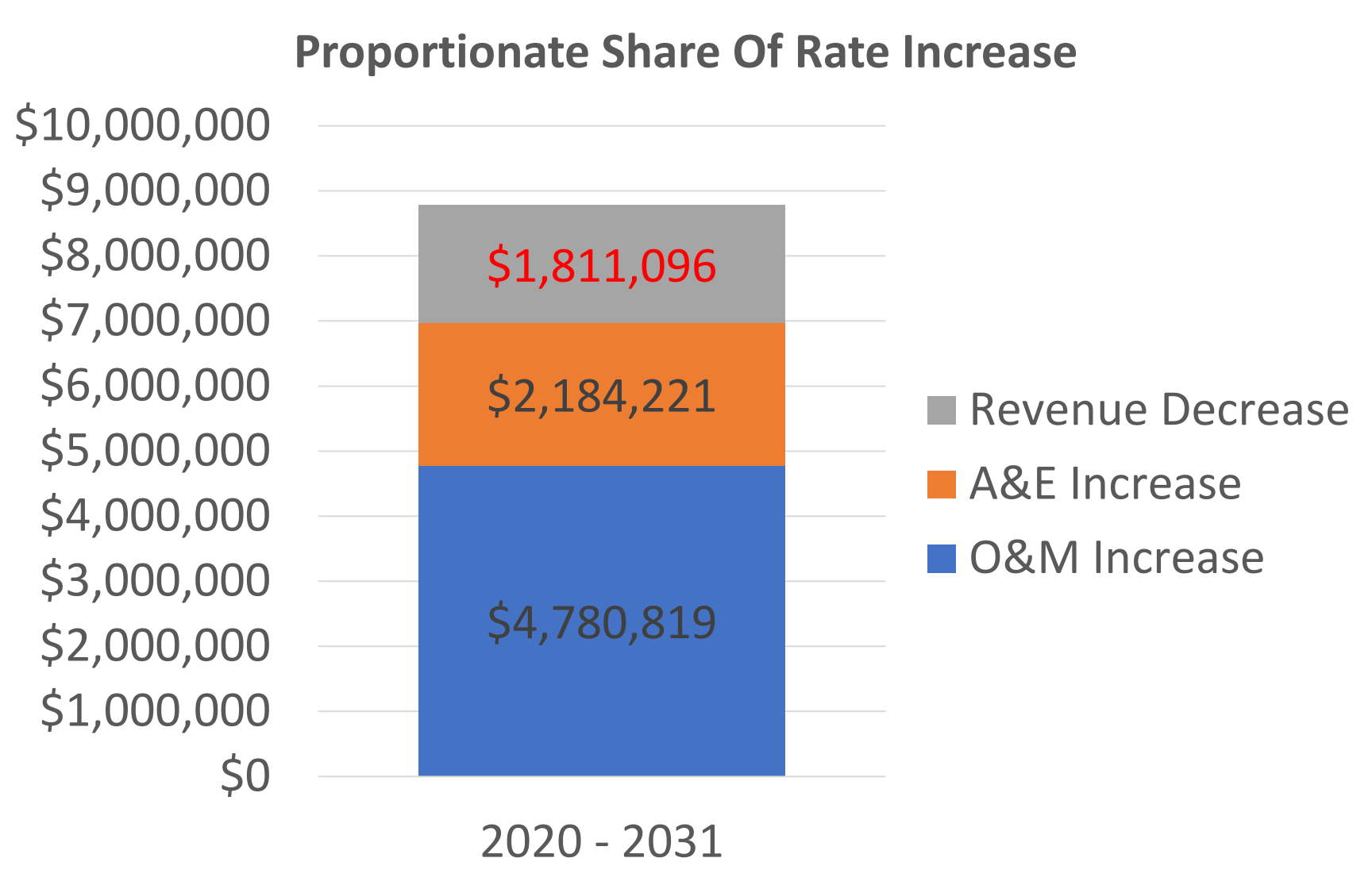
- **Revenue**
  - Contract Water Sales
  - State Water Plan Revenue
  - Water Assurance District Revenue
  - Access District Revenue
- **Expenditures**
  - All Principal and Interest
  - All Operations and Maintenance
  - Protection and Restoration
    - John Redmond Bond Payment
    - Streambank Stabilization
    - Watershed BMP's
    - On-going Monitoring and Assessment
    - Bathymetric and Sediment Monitoring
  - Future Use Storage
  - Any Future Reallocations

Water Marketing Program
Components to Determine Rate

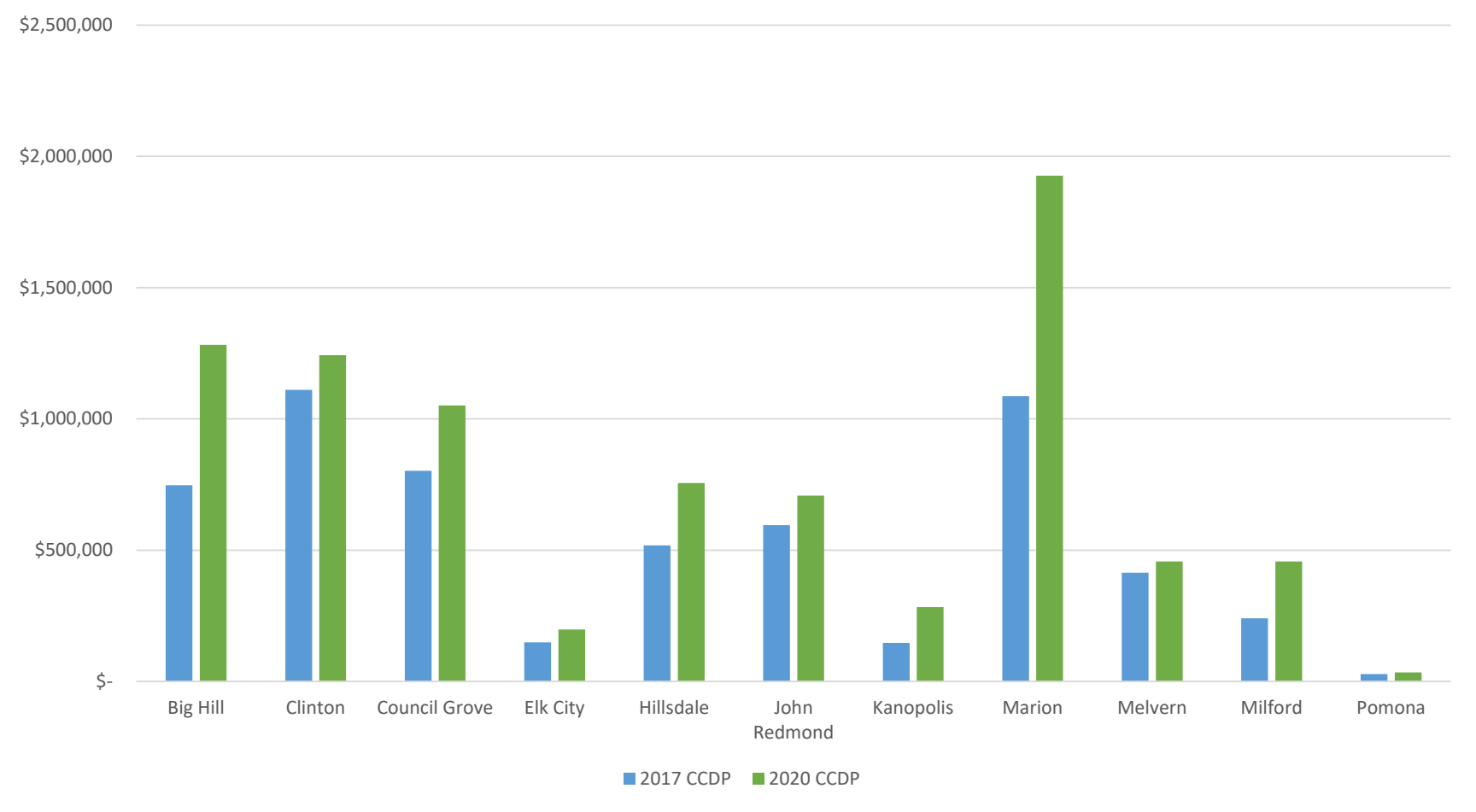
- **Expenses:**
  - Operations and Maintenance (O&M)
  - Principal and Interest (P&I)
  - Administration and Enforcement (A&E)
  - Reservoir Protection and Restoration
- **Revenue**
  - Water use
  - Water Assurance/Access District A&E
  - Water Assurance/Access District P&I



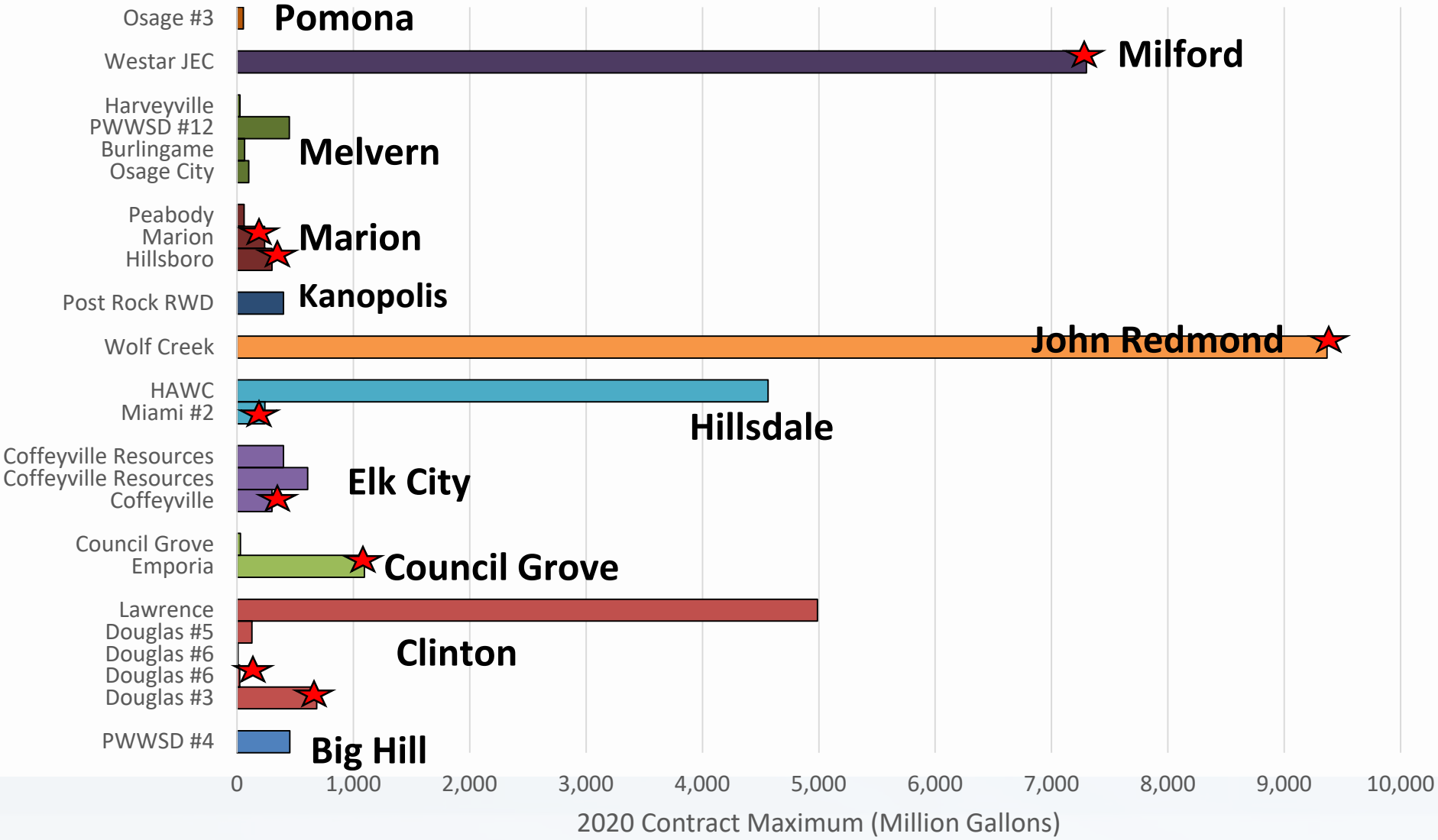
Calendar Year	2020	2021	2022	2023	2024	2025
Variable Rate (2017 CCDP)	$0.418	$0.431	$0.445	$0.459	$0.474	$0.489
Variable Rate (Recommended)	n/a	$0.436	$0.454	$0.473	$0.493	$0.513
Annual % Increase	n/a	4.2%	4.2%	4.2%	4.2%	4.2%
Annual $ Increase		$0.018	$0.018	$0.019	$0.020	$0.021
Change from 2017 plan		$0.005	$0.009	$0.014	$0.019	$0.024


Proportionate Share Of Rate Increase
$10,000,000
$9,000,000
$8,000,000
$7,000,000
$6,000,000
$5,000,000
$4,000,000
$3,000,000
$2,000,000
$1,000,000
$0
$1,811,096
$2,184,221
$4,780,819
2020 - 2031
Revenue Decrease
A&E Increase
O&M Increase

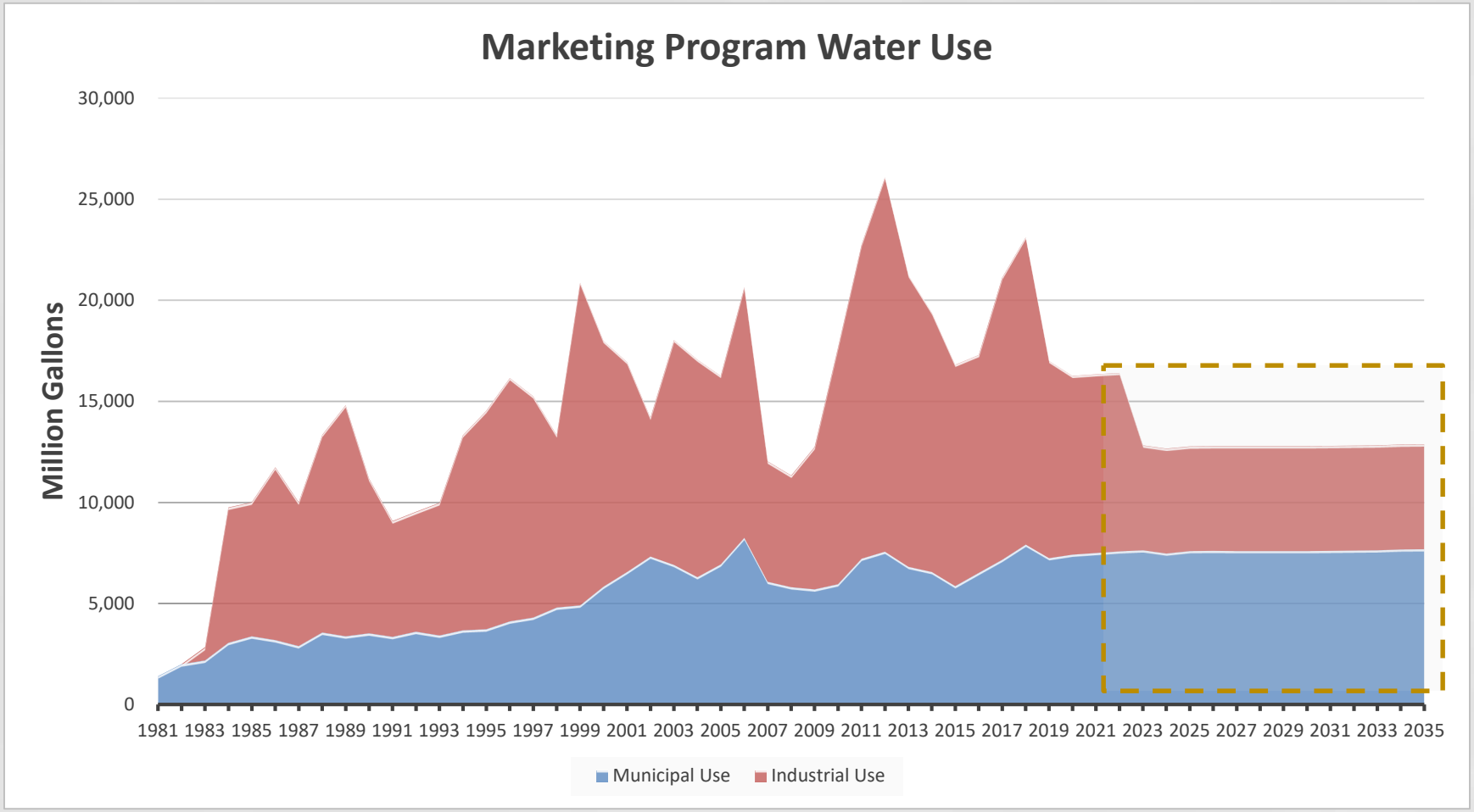
Comparison of Projected Total O&M Costs By Reservoir (2020 - 2025)

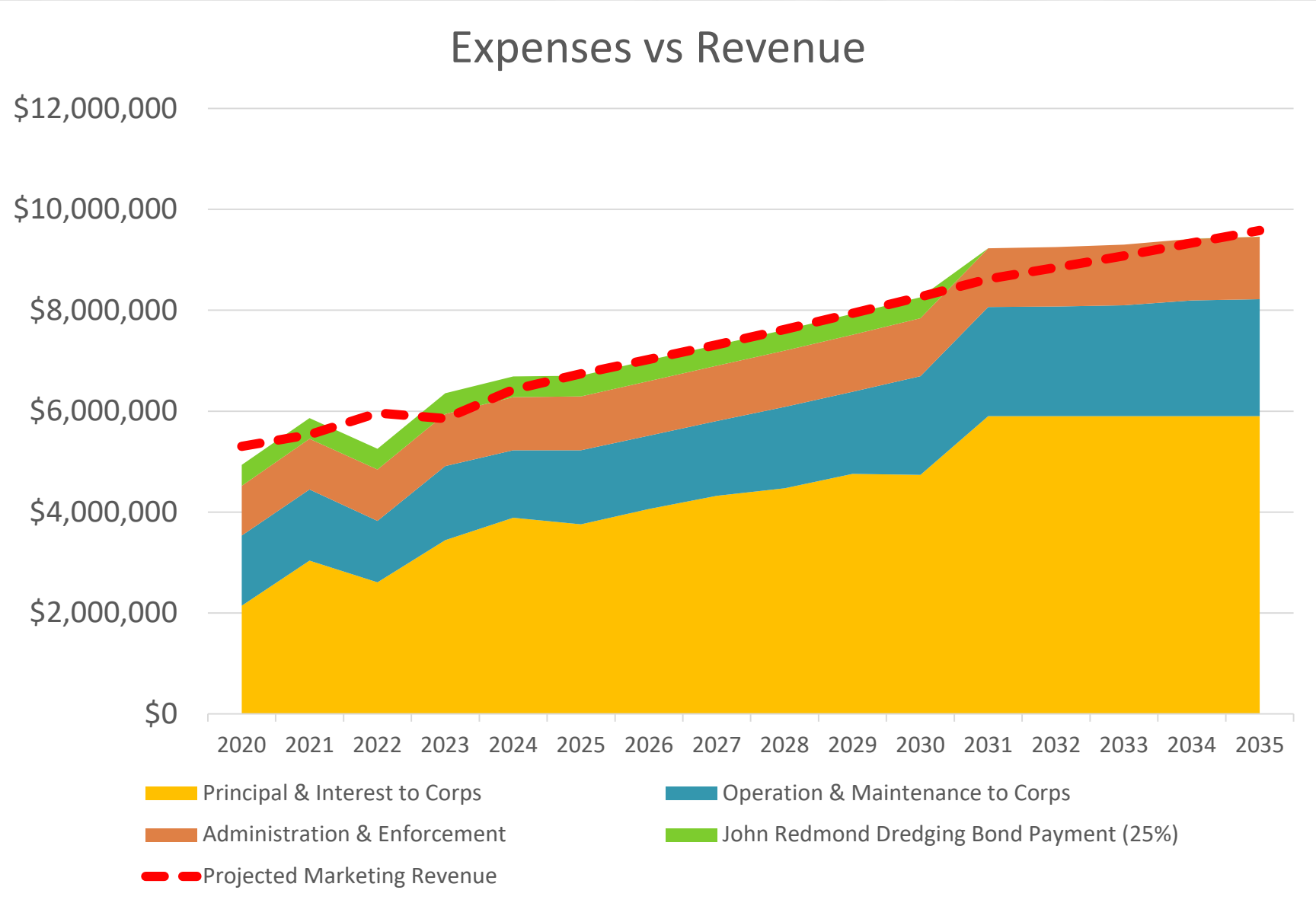


2020 Maximum Quantity of State Contracts



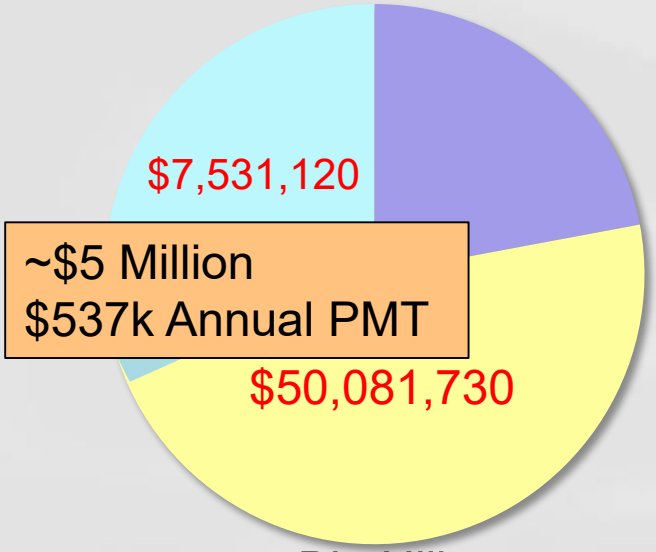
Challenges of Revenue Projection



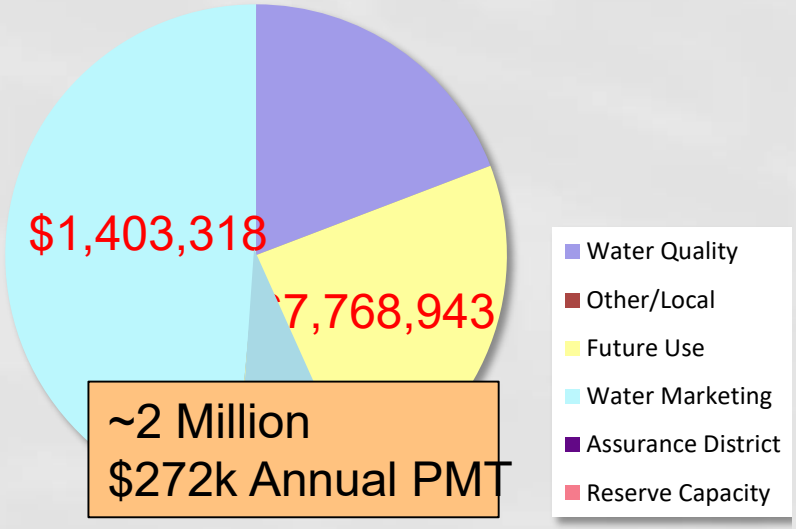

Expenses vs Revenue
$12,000,000
$10,000,000
$8,000,000
$6,000,000
$4,000,000
$2,000,000
$0
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Principal & Interest to Corps
Operation & Maintenance to Corps
Administration & Enforcement
John Redmond Dredging Bond Payment (25%)
Projected Marketing Revenue

2020 Debt Balance

Hillsdale



Clinton



Big Hill

Milford:
$26,359,324

Perry:
$26,258,919

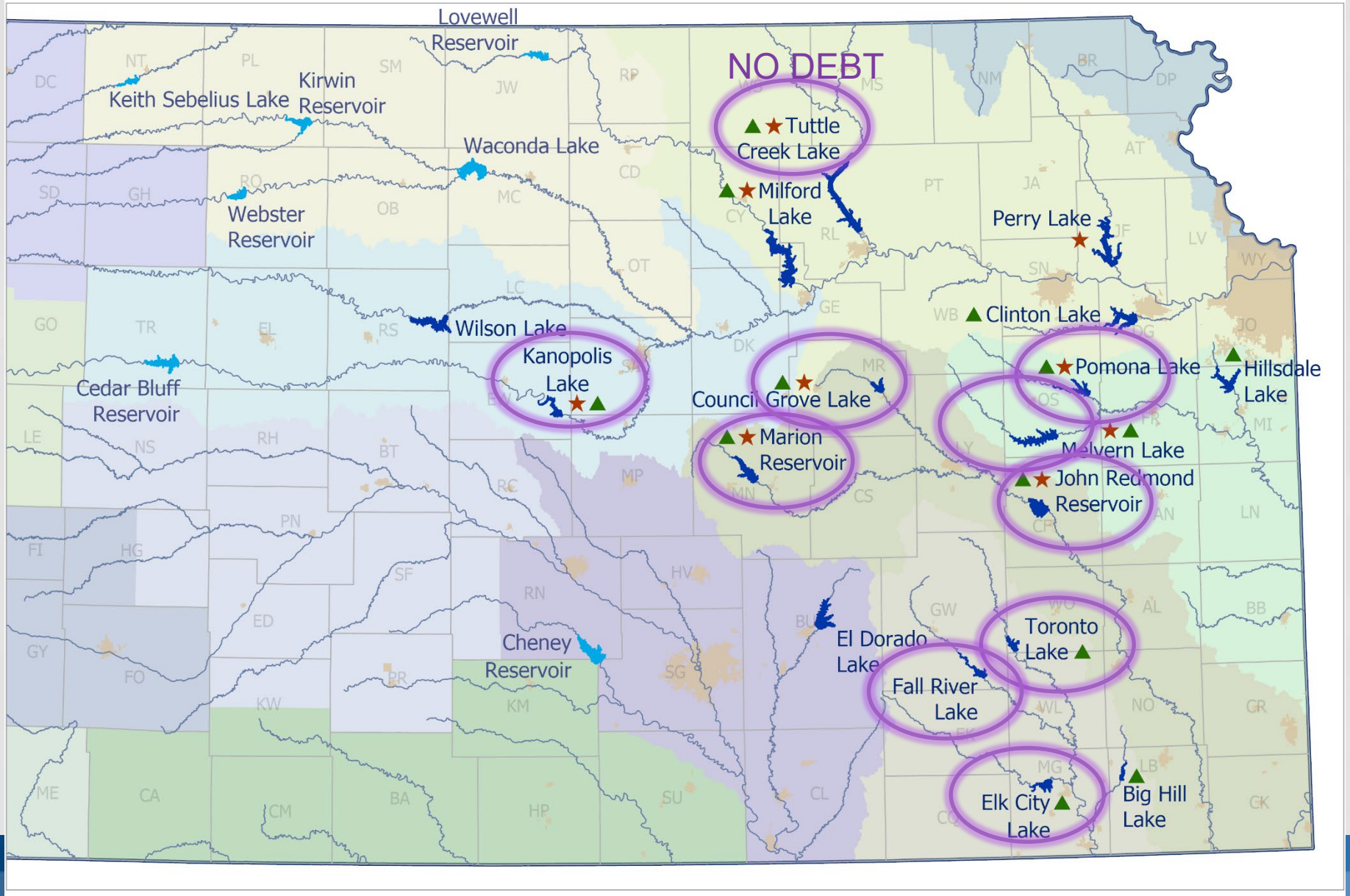
Total 2020 Debt: $133,106,131

End of Contract Year / Balance Due				
Hillsdale	Clinton	Big Hill	Milford	Perry
2030	2027	2029	2034	2041

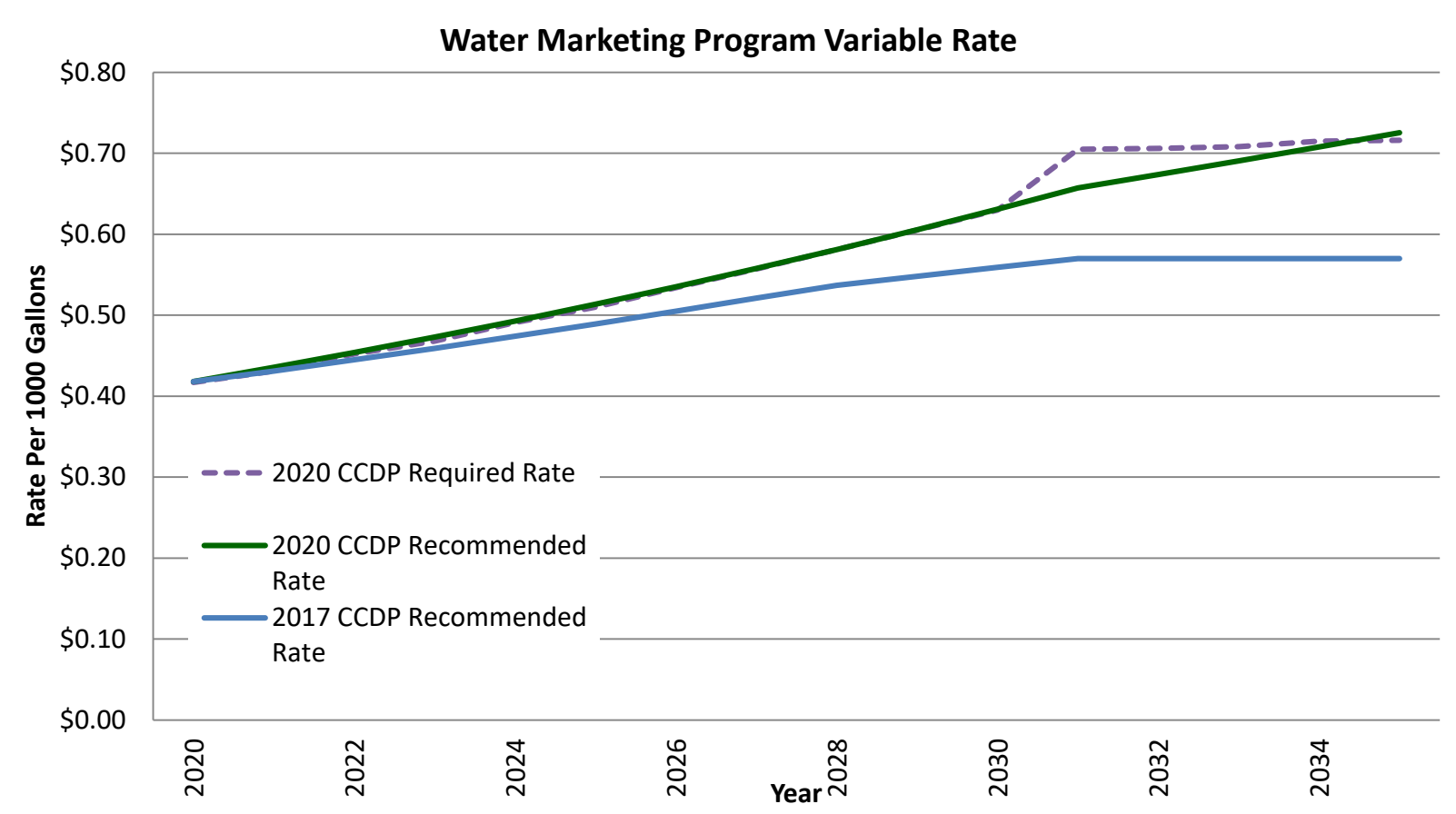
Debt Management

DEBT PAYDOWN					
Year	**Reservoir Storage**		**Debt Payoff**		**Interest Saved**
2017	**Kanopolis**	**$**	**2,520,791**	**$**	**1,319,314**
2018	**Elk City**	**$**	**422,763**	**$**	**40,850**
	John Redmond	**$**	**863,042**	**$**	**66,354**
2019	**Big Hill**	**$**	**1,045,249**	**$**	**215,771**
	Council Grove	**$**	**285,580**	**$**	**18,083**
2020	**Marion**	**$**	**373,017**	**$**	**46,812**
	(Projected)		**Total:**	**$**	**1,707,183**
2021	Hillsdale (Orig.)	$	1,432,257	$	309,843
2022	Clinton (Orig.)	$	1,172,193	$	149,501
2023	Hillsdale #2	$	2,313,323	$	387,793
2024	Hillsdale #1	$	2,332,752	$	334,415
			Total:	$	1,181,552

Federal Reservoirs in Kansas



January 2020
Kansas Water Office



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Public Water Supply Committee

- Recommendations to KWO
  - Explore opportunities to further analyze debt management and take advantage of current low interest rates
  - Delay a full update of the CCDP until this analysis is complete
- Action for June meeting
  - Set CY 2021 rate