



UTAH DEPARTMENT *of*
ENVIRONMENTAL QUALITY

**WATER
QUALITY**

2021 MWPP Survey

Harry Campbell – October 27, 2021

Three Sections of MWPP Survey

1. Financial Planning (Engineering Section)
2. Utah Sewer Management Program (UAC R317-801.)
3. Certification of Wastewater Works Operators (UAC R317-10)

Survey Groups

Collections	65
Collections & Treatment	40
Small Lagoons	40
Treatment	<u>9</u>
Total	154
Total Treatment	89

2021 MWPP Survey

- 30 less respondents than 2020 (154 Facilities)
- 71% of Mailing List (Mailing List 218)
- Qualtrics Software
- Municipal Wastewater
- Year to Year comparisons
- Financial Planning
- Improved Operations > Asset Management

MWPP Survey Coverage

- 47 of 68 UPDES Permits (69%)
- 42 of 100 Operating Permits (42%)
- Survey Population 4,297,816
 - Utah population est. 3.34 million
- Connections (or ERUs) 1,141,820
- 154 Collection/Treatment Systems

Funding Sources

- **90% User Fee**

- Avg Utility User Fee - \$40/month (averaged by Utility)
 - \$30/month (weighted by population)

- **70% Impact Fees**

- Avg Utility Impact Fee - \$3,361 (Median approx. \$2,600)

- **17% Taxes**

- Avg Utility Tax used to fund - \$2.182 million

Source of Revenue

27 ----- User Fee (only)

2 ----- Impact Fee (only)

83 ----- User Fee/Impact Fee

2 ----- User Fee/Tax Revenue

21 ----- User Fee/Tax Revenue/ Impact Fee

135 ----- Total (based on data reported)

2020 Sanitary Sewer Overflows (SSO)

Class I: An SSO not caused by a private lateral obstruction or problem that:

- affects > 5 private structures;
- affects \geq 1 public, commercial, or industrial structures
- result in a public health risk
- exceeds 5,000 gallons
- discharges to waters of the State

Class II: An SSO that does not meet the Class I SSO criteria

Class I – 8

Class II – 57

2020 New Sewer Hookups

New industrial/commercial Hookups

1,603

New residential Hookups

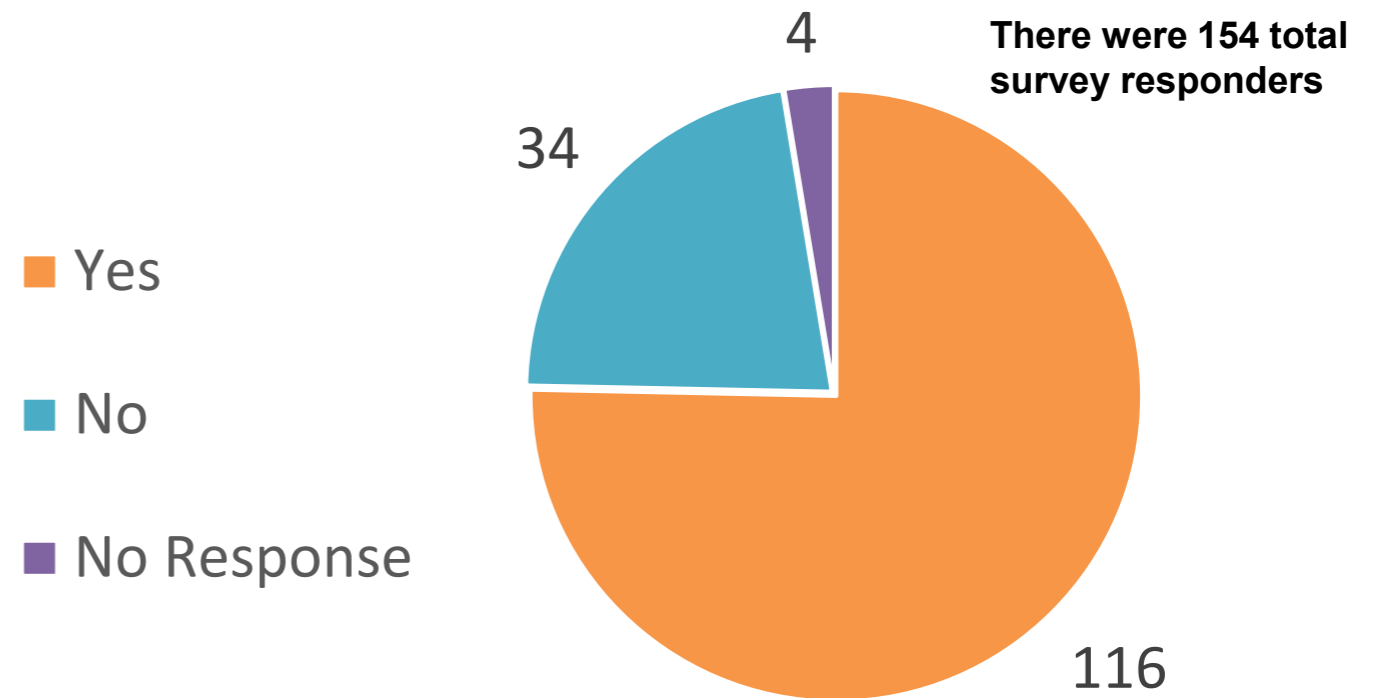
27,957

Financial Section Questions

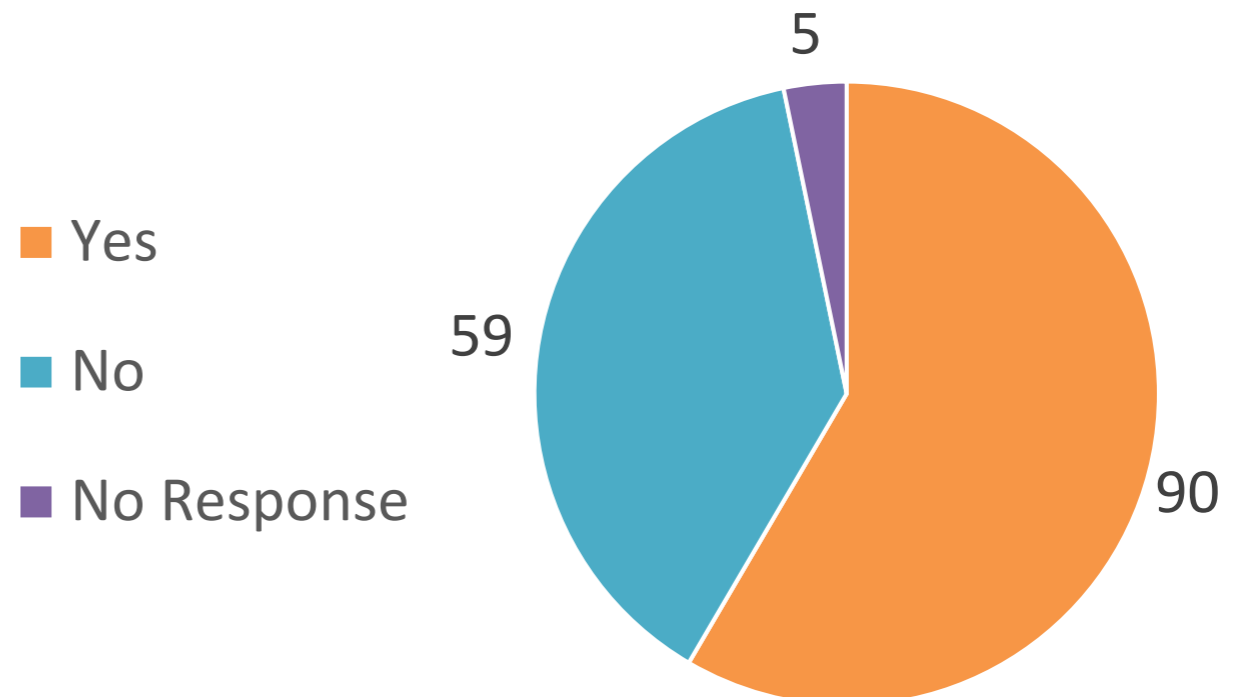
There are about 45 questions that query how well facilities are prepared for continuous operations at a high level of service.

Part II Operating Revenues and Reserves

Are projected sewer revenues sufficient to cover OM&RR costs for the next five years?

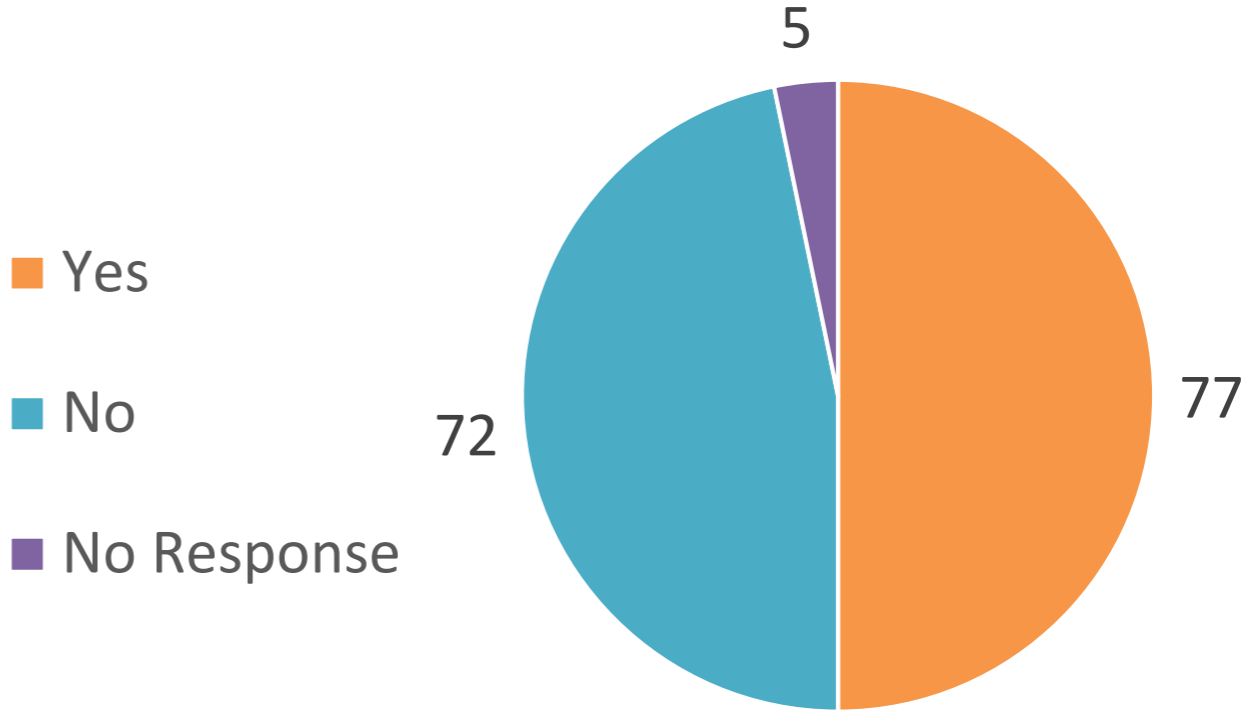


Has a repair and replacement sinking fund been established for the sewer system?

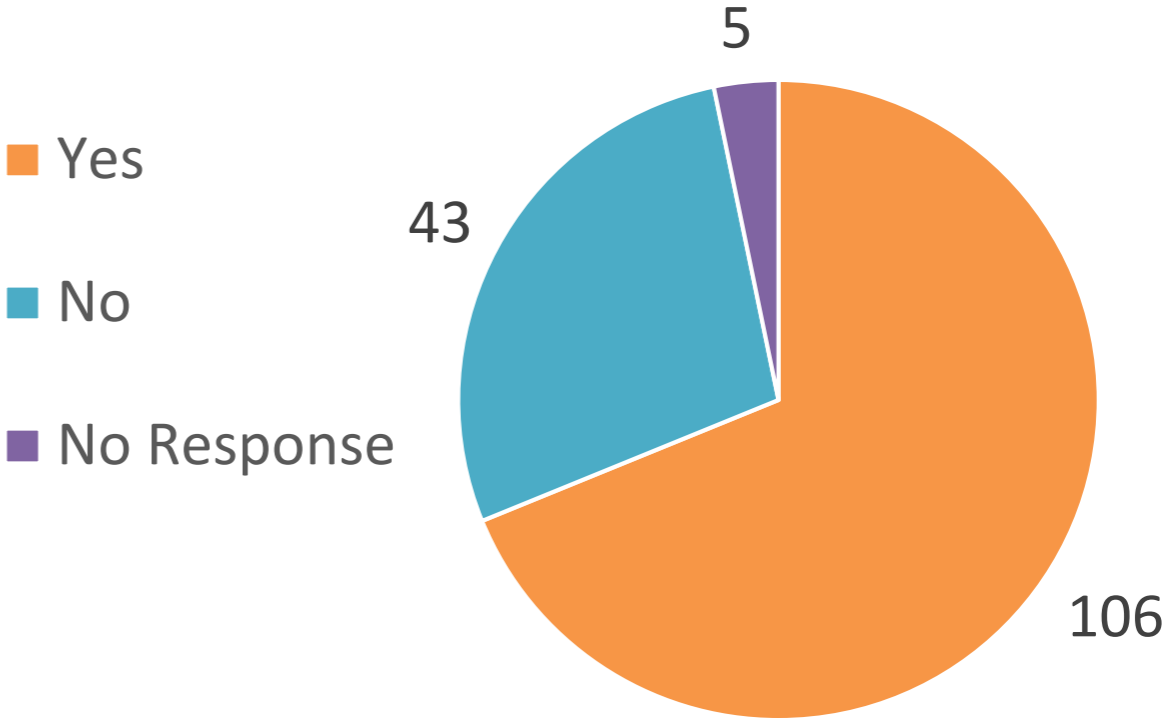


Part II Operating Revenue and Reserves

Is the repair & replacement sinking fund sufficient to meet anticipated needs?

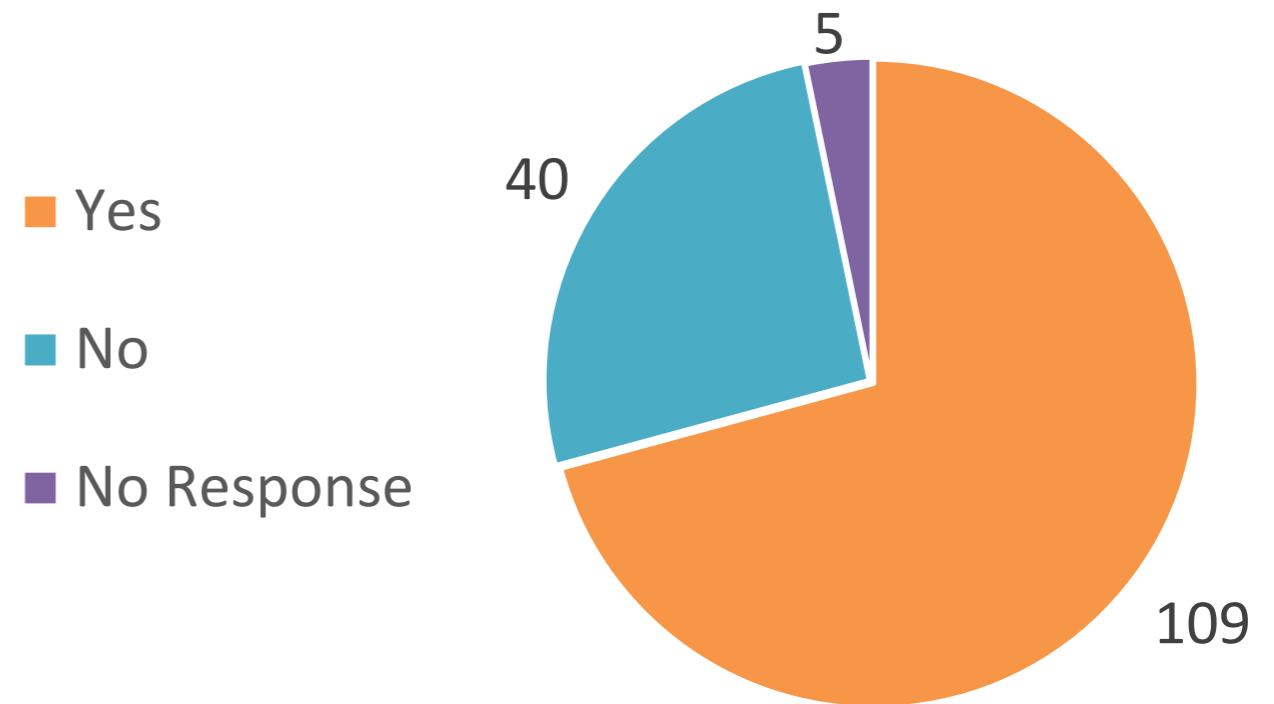


Are sewer revenues sufficient to cover all costs of current capital improvements projects?

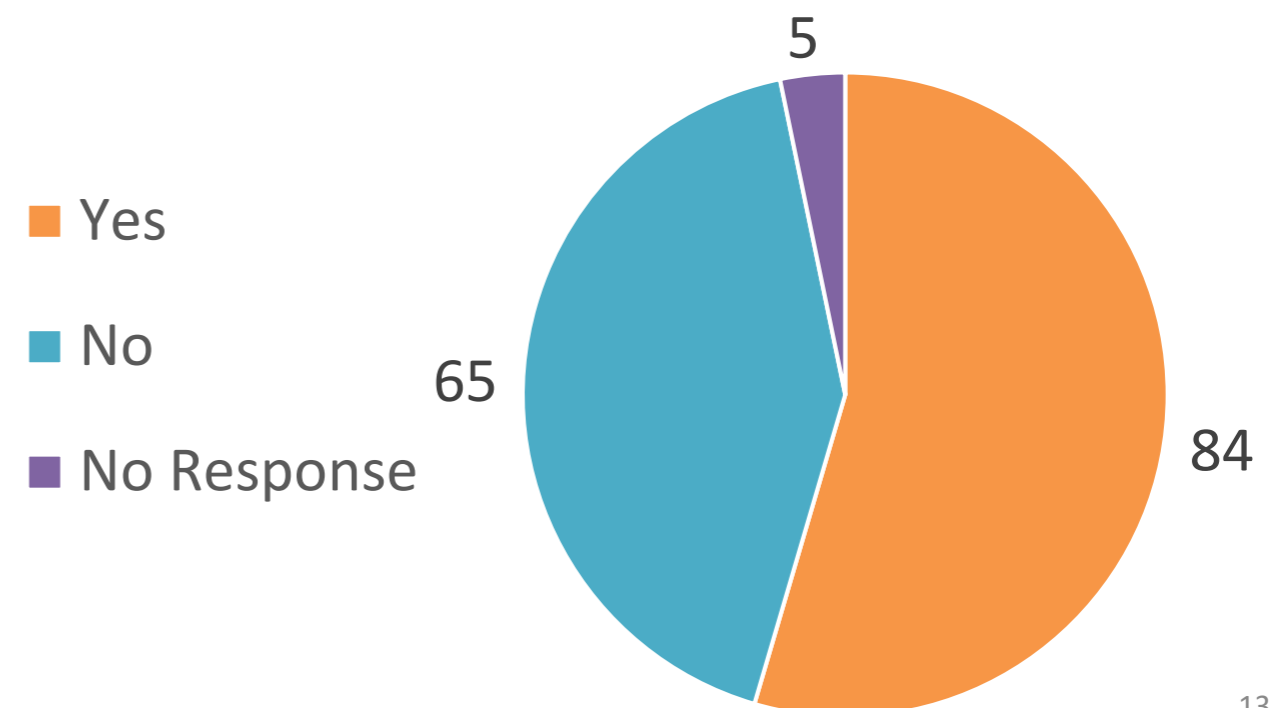


Part III Capital improvements Revenue and Reserves

Has a Capital Improvements Reserve Fund been established to provide for anticipated capital improvement projects?



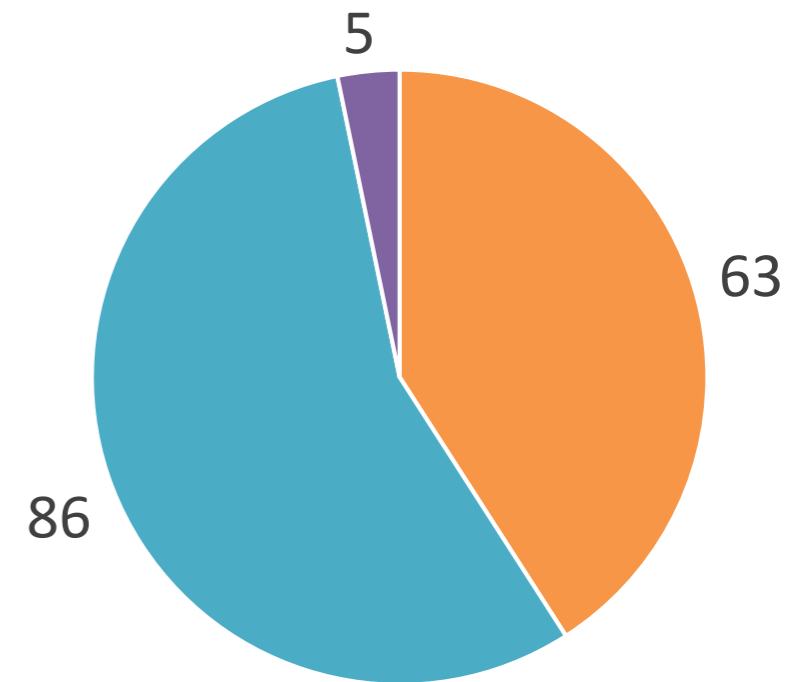
Are projected Capital Improvements Reserve Funds sufficient for the next five years?



Part III Capital Improvements Revenues and Reserves

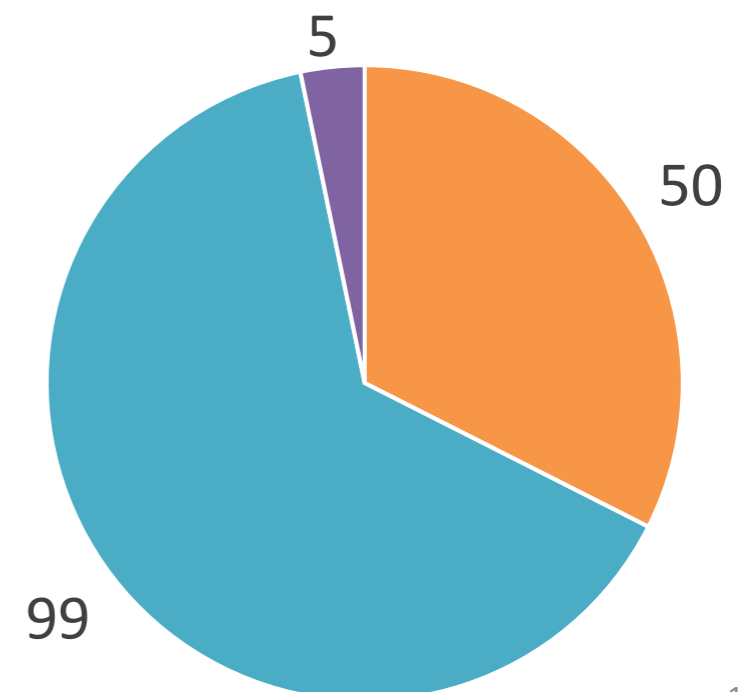
Are projected Capital Improvements Reserve Funds sufficient for the next ten years?

- Yes
- No
- No Response



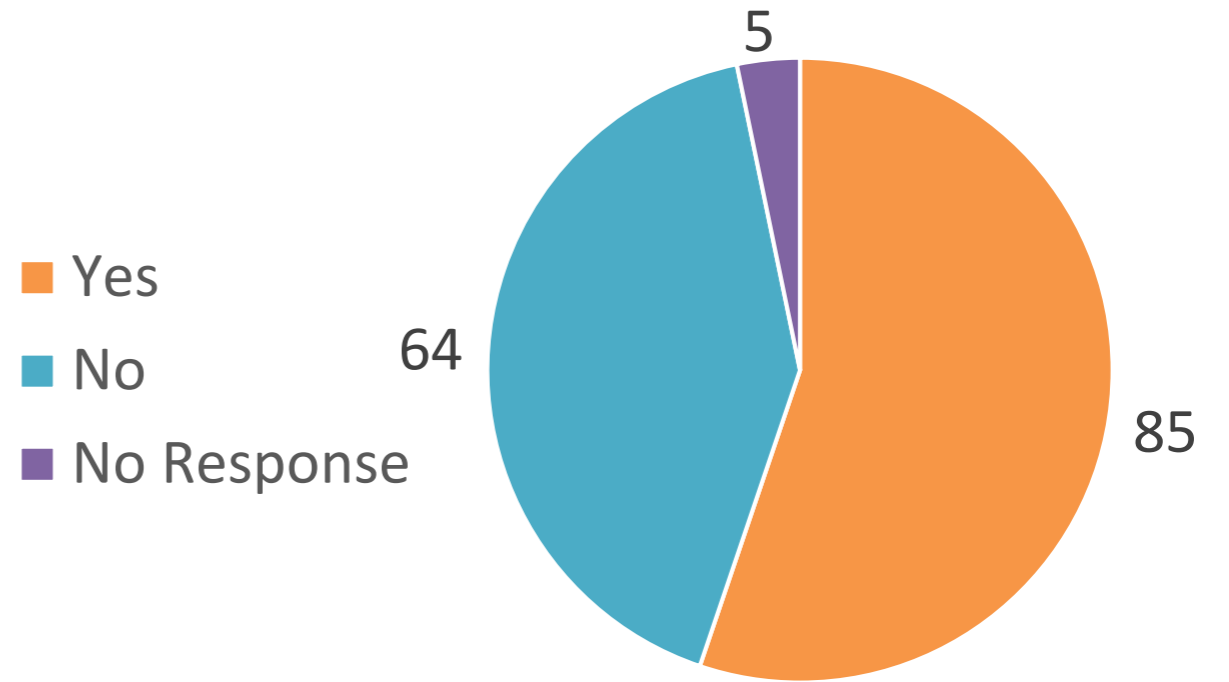
Are projected Capital Improvements Reserve Funds sufficient for the next twenty years?

- Yes
- No
- No Response

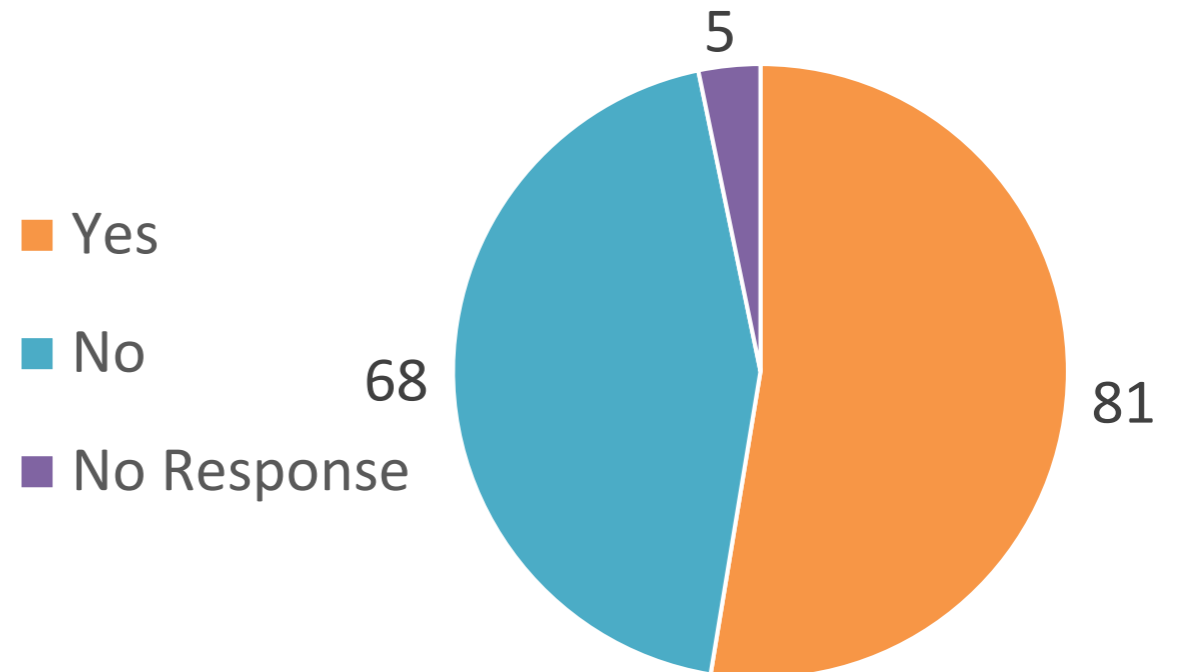


Part IV Fiscal Sustainability Review

Have you completed a Rate Study within the last five years?

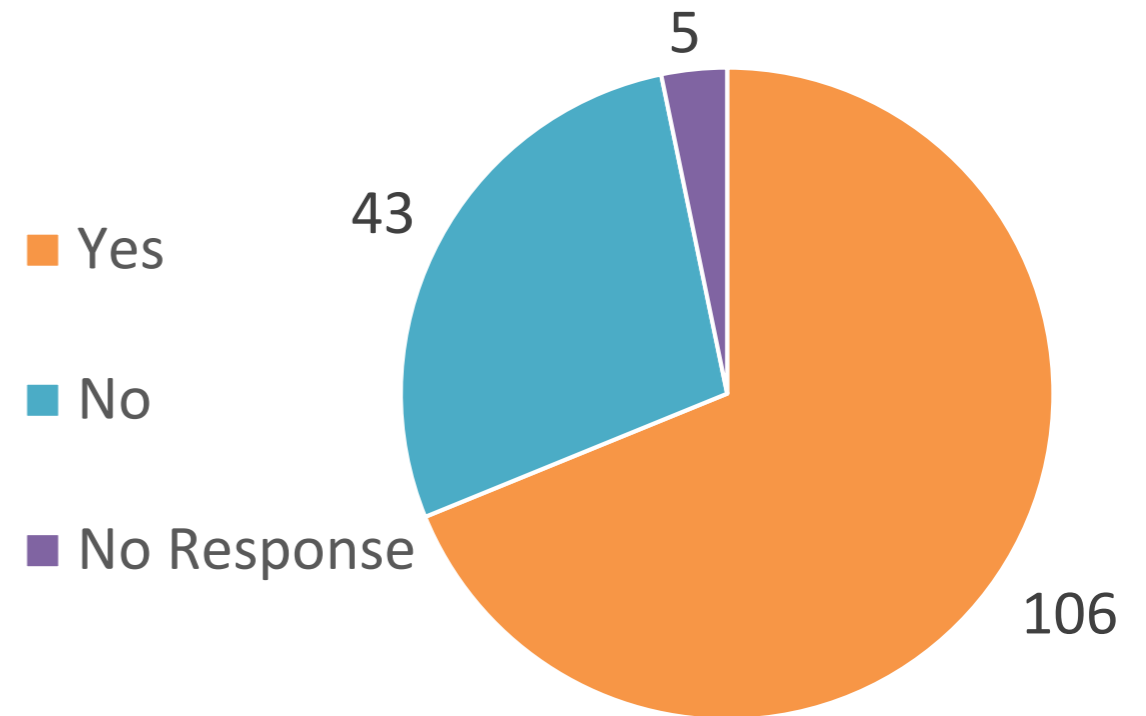


Have you completed an Impact Fee Study in accordance with UCA 11-36a-3 within the last five years?

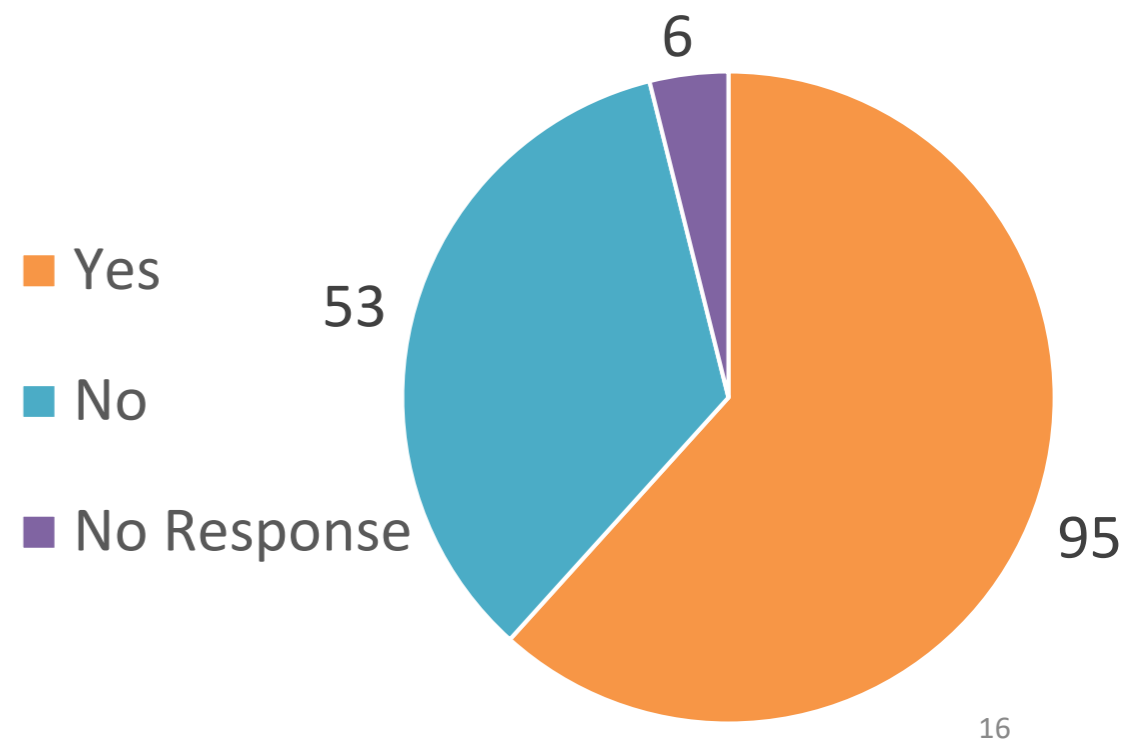


Part IV Fiscal Sustainability Review

Have you updated your Capital Facility Plan within the last five years?

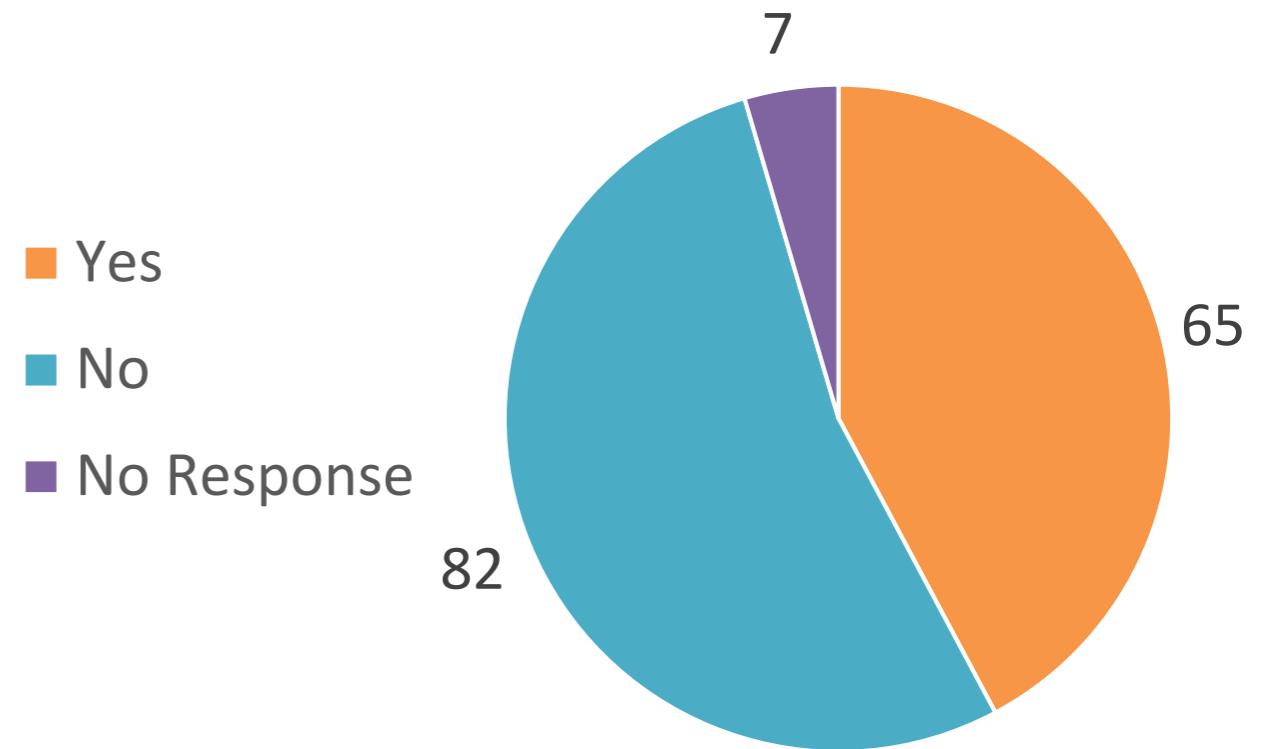


Do you use an Asset Management system for your sewer systems?

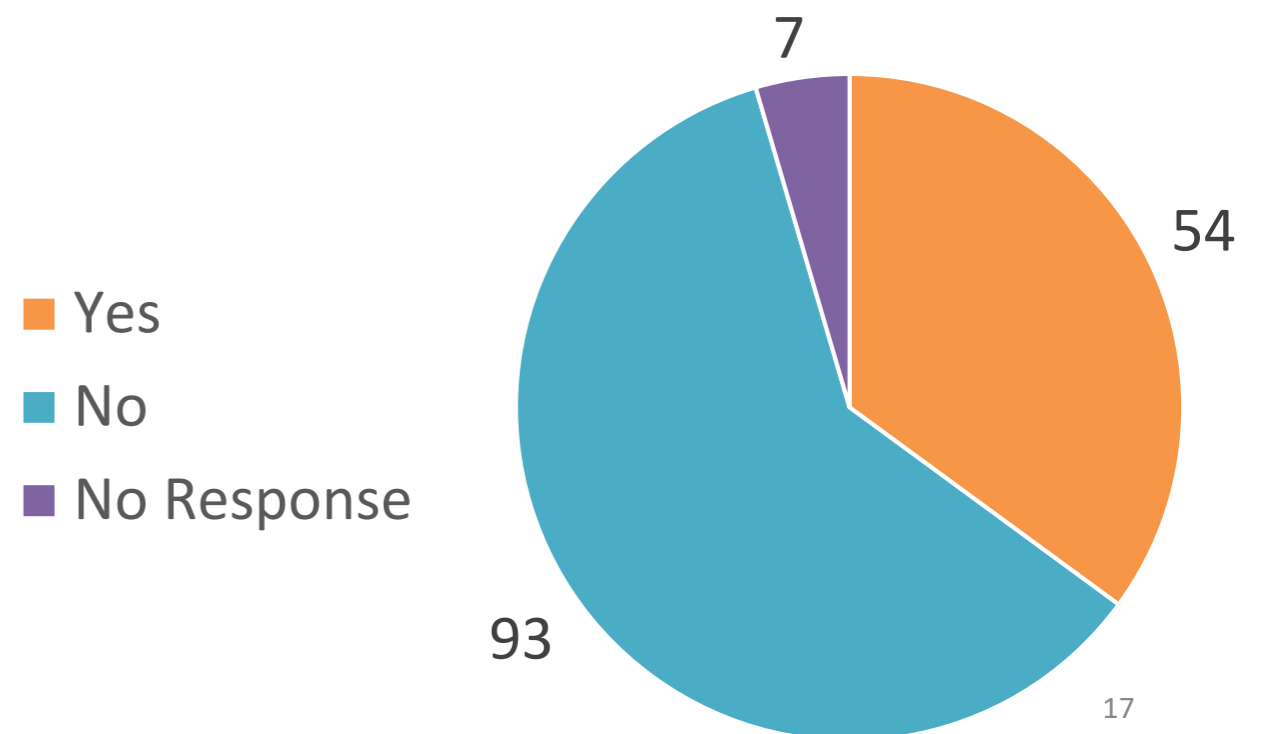


Part IV Fiscal Sustainability Review

Do you know the total replacement cost of your sewer system capital asset?



Do you fund sewer system capital improvements annually with sewer revenues at 2% or more of the total replacement cost?



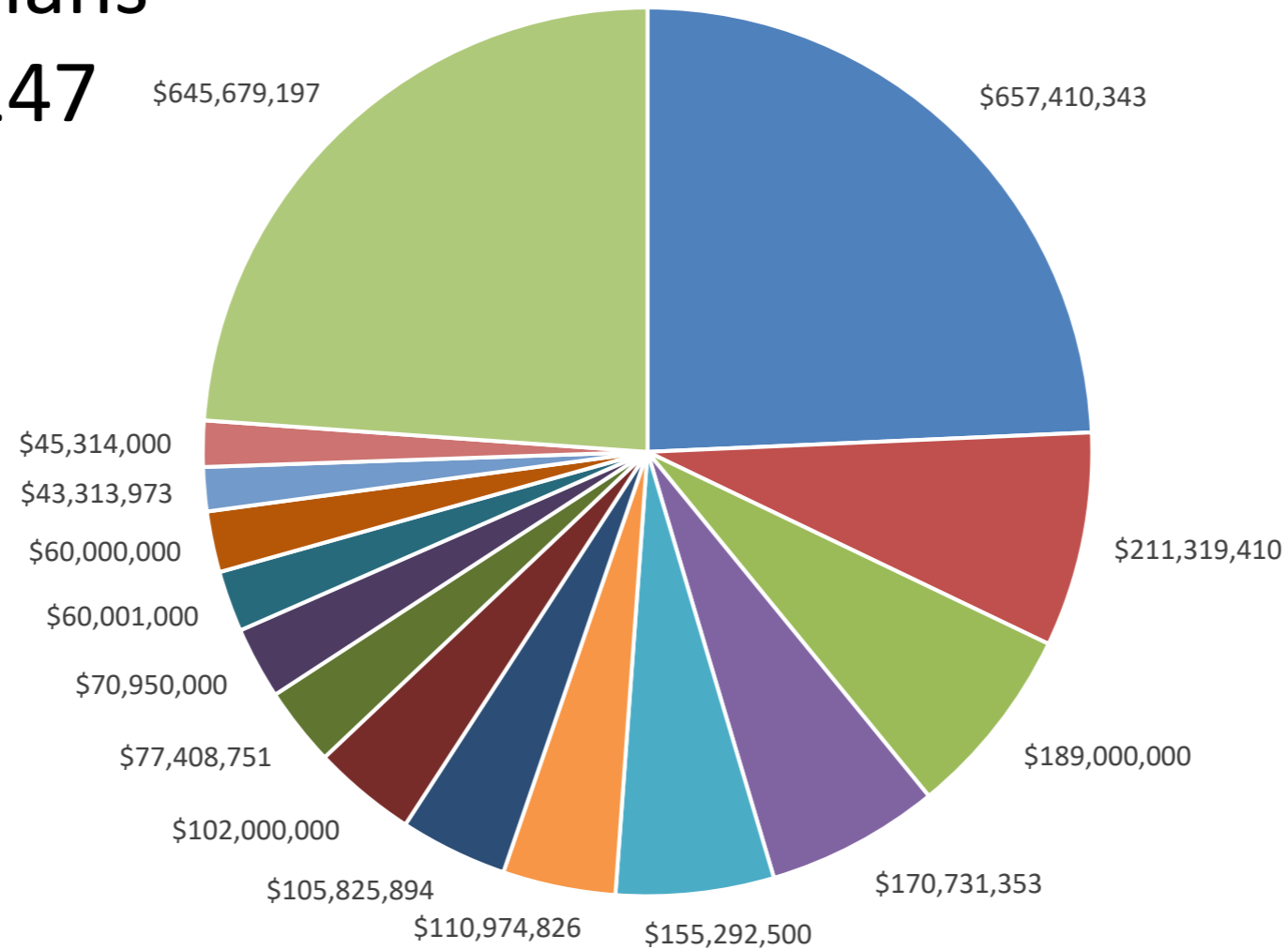
Capital Improvement Projects (2020)

How Many Projects?

	'21-'25	'26-'30	'31-'35	'36-'40
0 to \$1 M	37	30	25	25
\$1 M to \$5 M	27	22	22	20
\$5 M to \$10 M	11	9	9	10
\$10 M to \$50 M	16	15	13	16
\$50 M to \$100 M	4	3	2	3
\$100 M to more	8	0	0	0

2021 – 2025 Capital Plans

Total Capital Plans
\$2,722,908,247

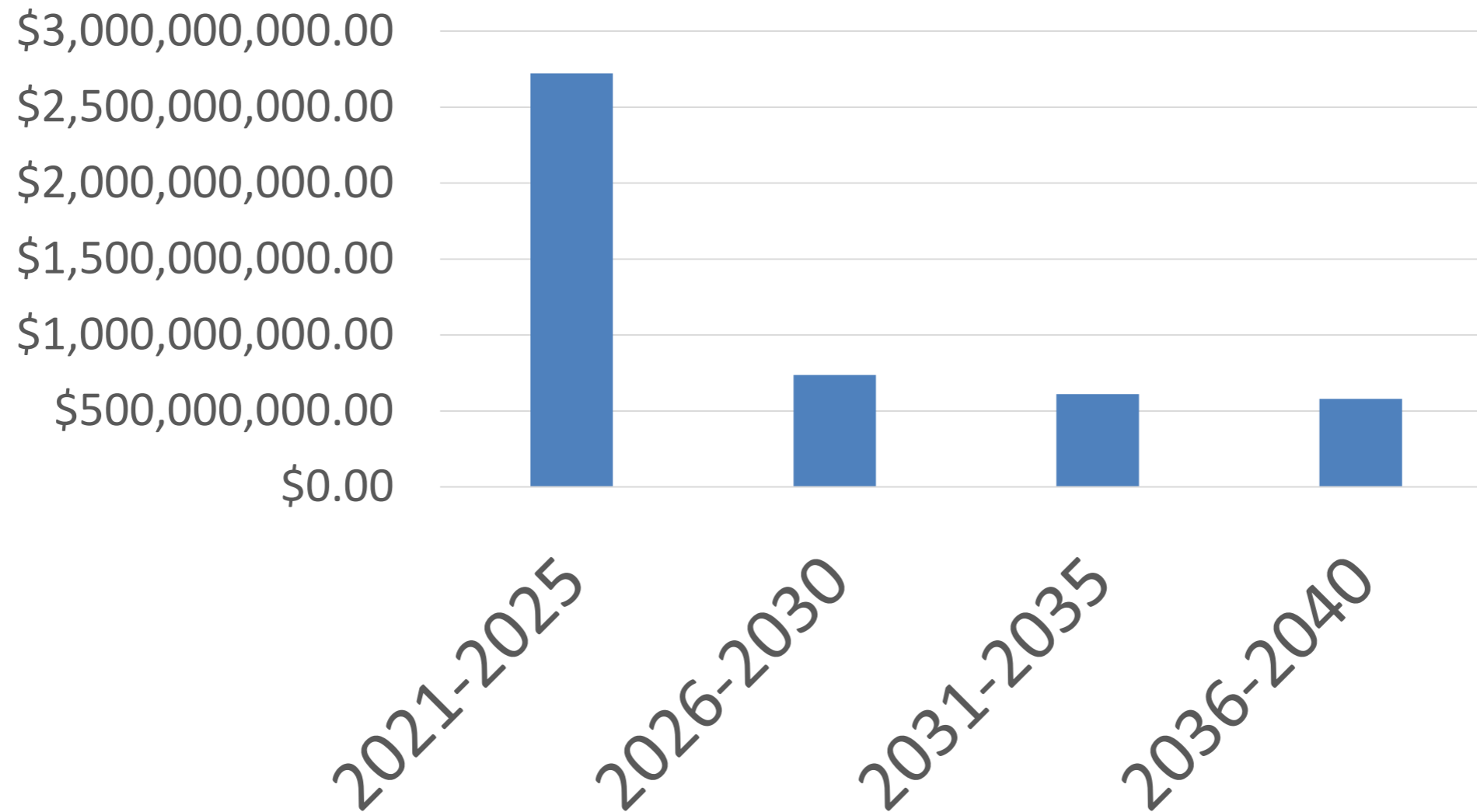


- SALT LAKE CITY WRF
- SALT LAKE PUBLIC UTILITIES
- MT. OLYMPUS IMP. DIST.
- GRANGER-HUNTER IMP. DIST.
- TIMPANOGOS SSD
- NORTH DAVIS SD
- EAGLE MOUNTAIN CITY
- ST. GEORGE CITY
- CENTRAL VALLEY WRF
- SPANISH FORK CITY
- SNYDERVILLE BASIN WRD
- All Others
- PROVO CITY
- CENTRAL WEBER SID
- SOUTH DAVIS SEWER DISTRICT - NORTH



Projected Capital Improvement

Projected Costs for CIPs



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