Budget & Forecast

FY 2023-2028

Finance Committee Meeting

May 10, 2022

Board Meeting

May 24, 2022



Overview

- Strategic Objectives
- Key Budget & Forecast Assumptions
- Sales Volume History & Forecast by Utility
- Operating Budget & Forecast
- Capital Budget & Forecast
- Next Steps

FY 2022 Accomplishments

- Strategic Objectives
 - BWL Year in Review
 - Target Metrics
 - Budget & Forecast Cycle Focus

- ISO 55000 Certification at REO Plant (P4:S3)
- Commercial Operation of Delta Energy Park (P1:S2)
- Customer Resource Fairs (P1:S3)
- Ultium Cells Battery Plant (P1:S4)
- Increased Customer Satisfaction (P1:S1)
- APPA Smart Energy Provider Designation (P3:S2)
- APPA RP3 Diamond (P4:S2)
- BSmart Program Close Out (P1:S2)
- 8oMW Solar (P3:S2)

LEGEND FOR STRATEGIC PLAN REFERENCES

(Priority #: Strategy #)

- Strategic Objectives
 - BWL Year in Review
 - Target Metrics
 - Budget & Forecast Cycle Focus

- Maintain high credit rating
 - BWL is currently rated AA- (S&P) and Aa₃ (Moody's) with stable outlooks
- Generate adequate return on assets (RoA)
 - Adequate RoA is essential to municipal utilities
 - Ensures current rate payers are not deferring costs to future generations and infrastructure is invested in to maintain exceptional levels of service
 - An appropriate RoA recovers two main items:
 - Interest expense
 - Inflationary increase of infrastructure replacement costs
 - Regular calculations required by the Board of Commissioners (Resolution 2016-07-08)
 - Return on Assets FY 2023-2028 Target: 4.01%
 - We are forecasted to reach this target for all utilities by FY2028
- Ensure adequate liquidity
 - BWL must be able to pay current obligations
 - Minimum cash reserve requirement per policy: 166 days
 - Debt service coverage minimum target: 2.00 x

Strategic Objectives

- BWL Year in Review
- Target Metrics
- Budget & Forecast Cycle Focus

FY2022-2027 (Current)

COVID-19 Recovery

DEP Commissioning

Increased Capital Investment

New Billing System (CIS)

Continued Strategic Plan Execution

FY2023-2028 (Upcoming)

Operational Efficiencies

Lansing Energy Tomorrow

Water Main Investment

Rate Structure Refinement

Coal Plant Decommissioning

Develop Plan for Achieving Carbon Neutrality with Known Load Growth

Workforce Engagement

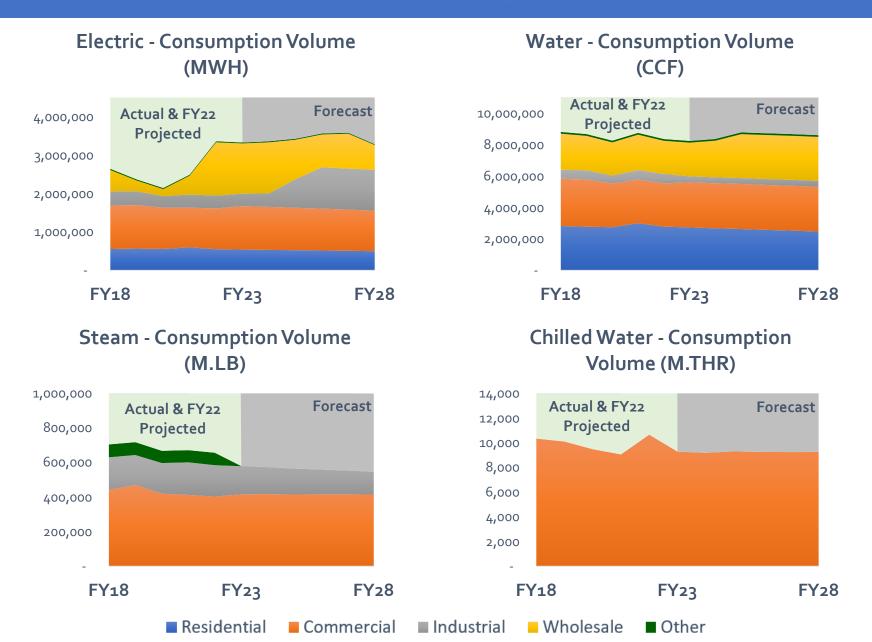
Generative Safety Culture

Pursue Infrastructure Grants

Key Budget & Forecast Assumptions

- Current strategic plan is supported by this budget & forecast.
- Water main replacements achieve 8 miles per year in FY2028.
- Defined Benefit and Voluntary Employees' Beneficiary Association (DB & VEBA) investment returns are meeting targets.
- Our final coal plant, Erickson, closes in FY2023.
- Rate changes and rate structure refinement November 2022.
- Return on Equity assumes 6% of total revenue, less inter-utility sales.
- Potential grant funding not included.

Sales Volume History and Forecast



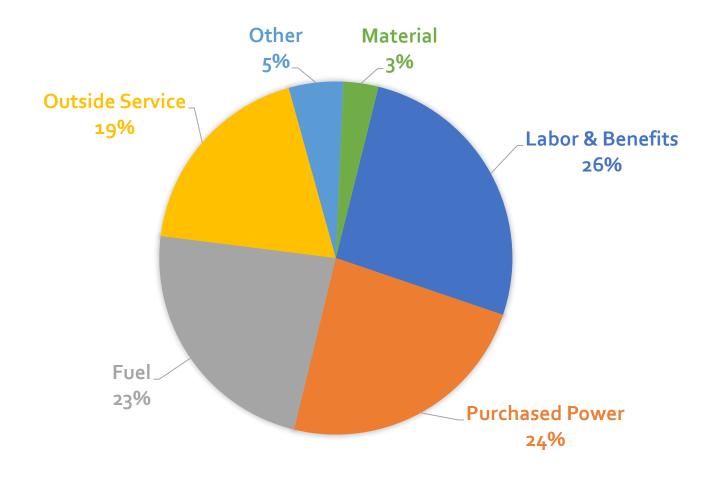
- Operating Budget & Forecast
 - FY 2023 Income
 Statement
 - FY 2023 Operating Expenses by Category
 - 6-Year Income Statement
 - 6-Year Return on Assets
 - 6-Year Cash Flow
 - 6-Year Bonded Debt Service

| FY 2023 Income Statement | Electric | Water | Steam | Chilled Water | Total |
|---------------------------------------|---------------------|--------------------|--------------------|-------------------|---------------------|
| Sales (MWh, ccf, Mlb, ton-hrs) | 3,330,219 | 8,241,032 | 579,159 | 9,284 | |
| Operating Revenue | | | | | |
| Residential | \$ 82,397,876 | \$ 20,285,434 | \$ 16,345 | \$ - | \$ 102,699,655 |
| Commercial | \$ 130,401,758 | \$ 16,647,724 | \$ 9,622,011 | \$ 5,837,807 | \$ 162,509,300 |
| Industrial | \$ 37,880,677 | \$ 1,796,479 | \$ 2,725,188 | \$ - | \$ 42,402,344 |
| Wholesale | \$ 86,397,402 | \$ 4,127,965 | \$ - | \$ - | \$ 90,525,368 |
| Other | \$ 16,663,488 | \$ 7,432,641 | \$ 18,652 | \$ - | \$ 24,114,781 |
| Total Operating Revenue | \$ 353,741,202 | \$ 50,290,243 | \$ 12,382,195 | \$ 5,837,807 | \$ 422,251,447 |
| Operating Expenses | | | | | |
| Fuel & Purchased Power | \$ (133,562,005) | \$ (5,401,005) | \$ (3,641,642) | \$ - | \$ (142,604,652) |
| Depreciation | \$ (55,409,905) | \$ (9,808,953) | \$ (3,778,721) | \$ (1,687,589) | \$ (70,685,168) |
| Other Operating Expenses | \$ (107,307,817) | \$ (31,780,277) | \$ (5,784,279) | \$ (4,885,911) | \$ (149,758,283) |
| Total Operating Expenses | \$ (296,279,727) | \$ (46,990,235) | \$ (13,204,641) | \$ (6,573,500) | \$ (363,048,103) |
| Total Operating Income | \$ 57,461,475 | \$ 3,300,008 | \$ (822,446) | \$ (735,693) | \$ 59,203,344 |
| Non Operating Income/(Expenses) | | | | | |
| Return on Equity to City | \$ (20,847,485) | \$ (2,963,819) | \$ (729,736) | \$ (344,047) | \$ (24,885,087) |
| Interest Expense | \$ (22,861,557) | \$ (1,503,961) | \$ (1,764,566) | \$ (248,860) | \$ (26,378,943) |
| Other Non Operating Income/(Expenses) | \$ (2,818,611) | \$ 691,116 | \$ (209,407) | \$ 265,193 | \$ (2,071,708) |
| Total Non Operating Income/(Expenses) | \$ (46,527,653) | \$ (3,776,664) | \$ (2,703,708) | \$ (327,714) | \$ (53,335,739) |
| Total Net Income/(Loss) | \$ 10,933,823 | \$ (476,656) | \$ (3,526,154) | \$ (1,063,407) | \$ 5,867,605 |
| Forecasted Rate Increase | 2.05% | 9.50% | 9.95% | 4.00% | |
| Return on Assets | 3.88% | 0.33% | -2.74% | -4.46% | 2.63% |
| Target Return on Assets | 4.01% | 4.01% | 4.01% | 4.01% | 4.01% |

Operating Budget & Forecast

- FY 2023 Income
 Statement
- FY 2023 Operating Expenses by Category
- 6-Year IncomeStatement
- 6-Year Return on Assets
- 6-Year Cash Flow
- 6-Year Bonded Debt Service

FY 2023 Operating Expenses by Category



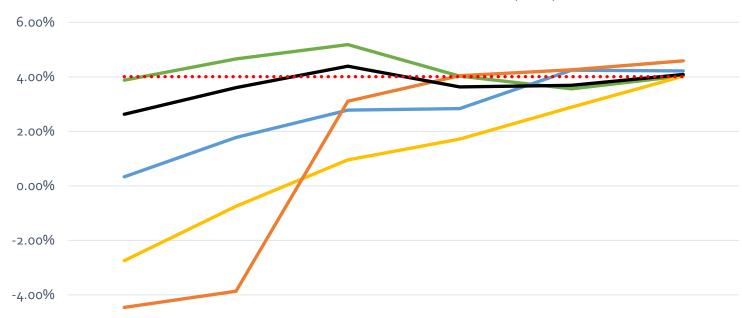
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| 6-Year Income Statement | FY 2023 | | FY 2024 | | FY 2025 | | FY 2026 | | FY 2027 | FY 2028 |
|---------------------------------------|------------------|------|---------------|----|---------------|-----------|---------------|-----------|---------------|---------------------|
| Operating Revenue | | ١. | | ١. | | | | ١. | | |
| Electric | \$ 353,741,202 | 1 ' | 350,628,808 | \$ | 356,089,227 | \$ | 367,877,389 | \$ | 376,205,889 | \$ 381,620,905 |
| Water | \$ 50,290,243 | 1 | 55,175,209 | \$ | 61,046,989 | \$ | 66,590,063 | \$ | 72,697,463 | \$ 76,084,702 |
| Steam | \$ 12,382,195 | | 12,928,203 | \$ | 13,750,731 | \$ | 14,918,686 | | 16,255,851 | \$ 17,573,255 |
| Chilled Water | \$ 5,837,807 | \$ | 6,068,139 | \$ | 6,324,615 | <u>\$</u> | 6,582,365 | <u>\$</u> | 6,679,944 | \$ 6,681,770 |
| Total Operating Revenue | \$ 422,251,447 | \$ | 424,800,359 | \$ | 437,211,562 | \$ | 455,968,504 | \$ | 471,839,147 | \$ 481,960,633 |
| Operating Expenses | | | | | | | | | | |
| Fuel & Purchased Power | \$ (142,604,652) | \$ | (135,734,560) | \$ | (132,811,880) | \$ | (140,284,572) | \$ | (147,557,634) | \$ (144,409,086) |
| Depreciation | \$ (70,685,168) | \$ | (64,956,899) | \$ | (62,216,495) | \$ | (63,125,049) | \$ | (64,652,253) | \$ (66,402,214) |
| Other Operating Expenses | \$ (149,758,283) | \$ | (150,017,616) | \$ | (160,061,940) | \$ | (177,969,271) | \$ | (180,684,836) | \$ (187,833,198) |
| Total Operating Expenses | \$ (363,048,103) | \$ (| (350,709,075) | \$ | (355,090,316) | \$ | (381,378,892) | \$ | (392,894,723) | \$ (398,644,497) |
| Total Operating Income | \$ 59,203,344 | \$ | 74,091,284 | \$ | 82,121,247 | \$ | 74,589,612 | \$ | 78,944,424 | \$ 83,316,135 |
| Non Operating Income/(Expenses) | | | | | | | | | | |
| Return on Equity to City | \$ (24,885,087) | \$ | (25,038,022) | \$ | (25,782,694) | \$ | (26,908,110) | \$ | (27,860,349) | \$ (28,467,638) |
| Interest Expense | \$ (26,378,943) | \$ | (25,152,682) | \$ | (25,358,392) | \$ | (24,900,955) | \$ | (25,480,202) | \$ (25,274,954) |
| Other Non Operating Income/(Expenses) | \$ (2,071,708) | \$ | (5,179,522) | \$ | (2,631,759) | \$ | (2,599,651) | \$ | (4,967,287) | \$ (3,734,562) |
| Total Non Operating Income/(Expenses) | \$ (53,335,739) | \$ | (55,370,225) | \$ | (53,772,844) | \$ | (54,408,716) | \$ | (58,307,838) | \$ (57,477,153) |
| Total Net Income | \$ 5,867,605 | \$ | 18,721,059 | \$ | 28,348,402 | \$ | 20,180,896 | \$ | 20,636,586 | \$ 25,838,982 |
| | FY 2023 | | FY 2024 | | FY 2025 | | FY 2026 | | FY 2027 | FY 2028 |
| Return on Assets | 2.63% | | 3.61% | | 4.39% | | 3.63% | | 3.69% | 4.09% |
| Target Return on Assets | 4.01% | | 4.01% | | 4.01% | | 4.01% | | 4.01% | 4.01% |
| Taliget Retain on 7,55et5 | 1.0170 | | 1.0170 | | 1.0170 | | 1.0170 | | 1.0170 | 1.0170 |
| Debt Service Coverage Ratio | 2.41 | | 2.33 | | 2.86 | | 2.67 | | 2.52 | 2.68 |
| j | | | | | | | | | | |
| Days Cash on Hand | 194 | | 186 | | 190 | | 189 | | 186 | 185 |
| Minimum Cash Reserve Requirement | 166 | | 179 | | 177 | | 168 | | 167 | 177 |
| Full Time Employees | 727 | | 722 | | 725 | | 725 | | 725 | 724 |
| Rate Increases | | ı | | 1 | Fore | I eca: | st | | | |
| Electric | 2.05% | | 2.05% | | 2.05% | | 2.05% | | 3.15% | 3.15% |
| Water | 9.50% | | 9.50% | | 9.50% | | 9.50% | | 9.50% | 2.50% |
| Steam | 9.95% | | 9.95% | | 9.95% | | 9.95% | | 9.95% | 9.95% |
| Chilled Water | 4.00% | | 4.00% | | 4.00% | | 4.00% | | 0.00% | 0.00% |

• Operating Budget & Forecast

- FY 2023 Income Statement
- FY 2023 Operating
 Expenses by Category
- 6-Year IncomeStatement
- 6-Year Return on Assets
- 6-Year Cash Flow
- 6-Year Bonded Debt
 Service

6-Year Return on Assets (%)



| -6.00% | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 |
|------------------|---------|---------|---------|---------|---------|---------|
| —— Electric | 3.88% | 4.66% | 5.19% | 4.03% | 3.56% | 4.04% |
| | 0.33% | 1.78% | 2.78% | 2.84% | 4.25% | 4.22% |
| Steam | -2.74% | -0.75% | 0.95% | 1.72% | 2.89% | 4.03% |
| —— Chilled Water | -4.46% | -3.86% | 3.11% | 4.04% | 4.26% | 4.59% |
| ——Total | 2.63% | 3.61% | 4.39% | 3.63% | 3.69% | 4.09% |
| •••• Target | 4.01% | 4.01% | 4.01% | 4.01% | 4.01% | 4.01% |

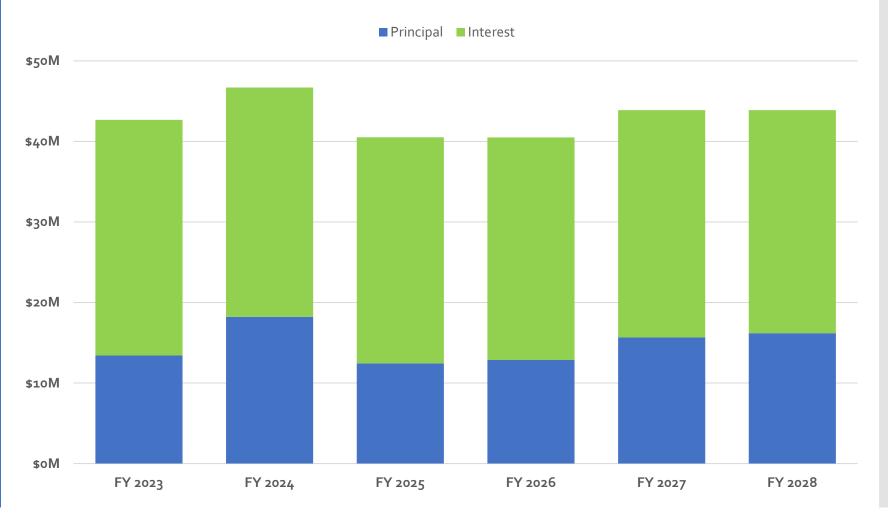
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| 6-Year Cash Flow | | FY 2023 | | FY 2024 | FY 2025 | | | FY 2026 | FY 2027 | | | FY 2028 | |
|--|----|--------------|----|----------------|---------|----------------|----|----------------|---------|--------------|----------------|--------------|--|
| Beginning Cash (O&M & Receiving Fund) | \$ | 132,524,878 | | \$ 111,538,894 | | \$ 100,743,694 | | \$ 106,664,942 | | 112,676,264 | \$ 117,583,957 | | |
| | | | | | | | | | | | | | |
| Net Income | \$ | 5,867,605 | \$ | 18,721,059 | \$ | 28,348,402 | \$ | 20,180,896 | \$ | 20,636,586 | \$ | 25,838,982 | |
| Depreciation | \$ | 70,685,168 | \$ | 64,956,899 | \$ | 62,216,495 | \$ | 63,125,049 | \$ | 64,652,253 | \$ | 66,402,214 | |
| Loss on Disposal of Assets | \$ | 5,292,113 | \$ | 8,442,113 | \$ | 6,042,113 | \$ | 6,042,113 | \$ | 8,442,113 | \$ | 7,242,113 | |
| DB and VEBA | \$ | (16,605,094) | \$ | (15,923,205) | \$ | (11,067,089) | \$ | 1,448,068 | \$ | (1,409,037) | \$ | (235,362) | |
| Commodity Cost Adjustment | \$ | 602,838 | \$ | 1,019,367 | \$ | 3,545,998 | \$ | (842,924) | \$ | 896,154 | \$ | (5,133,424) | |
| Environmental | \$ | (4,681,464) | \$ | (860,861) | \$ | (10,209) | \$ | 277,283 | \$ | 258,196 | \$ | 271,504 | |
| Gas Pipeline Payment Refunds | \$ | 7,001,546 | \$ | 7,001,546 | \$ | 7,001,546 | \$ | 7,001,546 | \$ | 7,001,546 | \$ | - | |
| Total Sources of Cash | \$ | 68,162,711 | \$ | 83,356,918 | \$ | 96,077,255 | \$ | 97,232,031 | \$ | 100,477,810 | \$ | 94,386,027 | |
| | | | | | | | | | | | | | |
| Principal Payments on Bonds | \$ | (13,410,000) | \$ | (18,220,000) | \$ | (12,440,000) | \$ | (12,860,000) | \$ | (15,655,000) | \$ | (16,185,000) | |
| Principal Payments on Other Debt (CSO) | \$ | (808,533) | \$ | (819,630) | \$ | (777,433) | \$ | (766,149) | \$ | (712,200) | \$ | (531,945) | |
| Capital Expenditures | \$ | (71,804,326) | \$ | (68,835,752) | \$ | (73,057,719) | \$ | (73,691,597) | \$ | (72,849,578) | \$ | (71,591,478) | |
| REP | \$ | (275,838) | \$ | (276,735) | \$ | (280,856) | \$ | (302,964) | \$ | (353,338) | \$ | (410,110) | |
| Decommissioning | \$ | (2,850,000) | \$ | (6,000,000) | \$ | (3,600,000) | \$ | (3,600,000) | \$ | (6,000,000) | \$ | (4,800,000) | |
| Total Uses of Cash | \$ | (89,148,696) | \$ | (94,152,117) | \$ | (90,156,008) | \$ | (91,220,709) | \$ | (95,570,116) | \$ | (93,518,533) | |
| | | | | | | | | | | | | | |
| Net Cash Increase (Decrease) | \$ | (20,985,985) | \$ | (10,795,199) | \$ | 5,921,248 | \$ | 6,011,322 | \$ | 4,907,694 | \$ | 867,494 | |
| | | | | | | | | | | | | | |
| Ending Cash (O&M & Receiving Fund) | \$ | 111,538,894 | \$ | 100,743,694 | \$ | 106,664,942 | \$ | 112,676,264 | \$ | 117,583,957 | \$ | 118,451,451 | |
| Davis Cook on Hond | | 104 | | 186 | | 190 | | 100 | | 106 | | 105 | |
| Days Cash on Hand | | 194 | | | | | | 189 | | 186 | | 185 | |
| Minimum Cash Reserve Requirement | | 166 | | 179 | | 177 | | 168 | | 167 | | 177 | |

Operating Budget & Forecast

- FY 2023 Income
 Statement
- FY 2023 Operating
 Expenses by Category
- 6-Year IncomeStatement
- 6-Year Return on Assets
- 6-Year Cash Flow
- 6-Year Bonded Debt Service

6-Year Bonded Debt Service



- Capital Portfolio Budget & Forecast
 - Capital Portfolio
 Spending by Utility and Location
 - Capital Portfolio Major Projects and Annuals
 - Capital Portfolio Gates and Phases
 - Capital Portfolio
 Designed Budget

 Amounts

| | | 6-Year Ca | api | tal by Utility | , aı | nd Location | | | | |
|-------------------------|------------------|------------------|-----|----------------|------|-------------|------------------|------------------|----|---------------|
| | FY 2023 | FY 2024 | | FY 2025 | | FY 2026 | FY 2027 | FY 2028 | F | orecast Total |
| Utility | | | | | | | | | | |
| Electric | \$ 48,749,960 | \$ 42,282,331 | \$ | 48,138,534 | \$ | 47,079,164 | \$ 45,009,986 | \$ 41,594,924 | \$ | 272,854,899 |
| Water | \$ 12,879,162 | \$ 15,914,519 | \$ | 14,501,390 | \$ | 17,046,000 | \$ 18,298,000 | \$ 19,334,819 | \$ | 97,973,890 |
| Steam | \$ 1,797,085 | \$ 1,898,605 | \$ | 3,452,557 | \$ | 3,074,241 | \$ 3,316,253 | \$ 2,076,741 | \$ | 15,615,482 |
| Chilled Water | \$ 51,500 | \$ 53,045 | \$ | 54,636 | \$ | 56,275 | \$ 57,964 | \$ 1,247,889 | \$ | 1,521,309 |
| Common | \$ 8,326,619 | \$ 8,687,252 | \$ | 6,910,602 | \$ | 6,435,917 | \$ 6,167,375 | \$ 7,337,106 | \$ | 43,864,870 |
| Total Capital Portfolio | \$ 71,804,326 | \$ 68,835,752 | \$ | 73,057,719 | \$ | 73,691,597 | \$ 72,849,578 | \$ 71,591,478 | \$ | 431,830,450 |
| Location | | | | | | | | | | |
| REO Plant | \$ 2,261,832 | \$ 1,500,000 | \$ | 2,956,400 | \$ | 4,708,500 | \$ 1,500,000 | \$ 1,500,000 | \$ | 14,426,732 |
| Delta Energy Park | \$ 2,000,000 | \$ 2,000,000 | \$ | 2,000,000 | \$ | 2,000,000 | \$ 2,000,000 | \$ 2,000,000 | \$ | 12,000,000 |
| Water Production | \$ 3,269,162 | \$ 3,594,519 | \$ | 3,601,855 | \$ | 2,410,365 | \$ 2,715,097 | \$ 2,052,386 | \$ | 17,643,384 |
| Electric T&D | \$ 43,221,038 | \$ 37,270,831 | \$ | 38,461,967 | \$ | 36,047,004 | \$ 31,159,860 | \$ 24,191,411 | \$ | 210,352,111 |
| Water T&D | \$ 9,150,000 | \$ 12,320,000 | \$ | 10,899,535 | \$ | 14,635,635 | \$ 15,582,903 | \$ 17,282,433 | \$ | 79,870,506 |
| Steam T&D | \$ 1,245,900 | \$ 1,849,527 | \$ | 3,452,557 | \$ | 3,074,241 | \$ 2,016,253 | \$ 2,076,741 | \$ | 13,715,219 |
| Chilled Water T&D | \$ 51,500 | \$ 53,045 | \$ | 54,636 | \$ | 56,275 | \$ 57,964 | \$ 59,703 | \$ | 333,123 |
| Other | \$ 10,604,894 | \$ 10,247,830 | \$ | 11,630,769 | \$ | 10,759,577 | \$ 17,817,501 | \$ 22,428,805 | \$ | 83,489,376 |
| Total Capital Portfolio | \$ 71,804,326 | \$ 68,835,752 | \$ | 73,057,719 | \$ | 73,691,597 | \$ 72,849,578 | \$ 71,591,478 | \$ | 431,830,450 |

- Capital Portfolio Budget & Forecast
 - Capital Portfolio
 Spending by Utility and Location
 - Capital Portfolio Major Projects and Annuals
 - Capital Portfolio Gates and Phases
 - Capital Portfolio
 Designed Budget
 Amounts

| 6-Year Major Capital Projects and Annuals | | | | | | | | | | | | | | |
|--|----|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|---------------------------|
| | | FY 2023 | | FY 2024 | | FY 2025 | | FY 2026 | | FY 2027 | | FY 2028 | Fo | recast Total ³ |
| | | | | | | | | | | | | | | |
| Planned Projects | | | | | | | | | | | | | | |
| Rundle Substation ¹ | \$ | - | \$ | 2,594,746 | \$ | - | \$ | 10,644,324 | \$ | 10,589,860 | \$ | - | \$ | 23,828,930 |
| Wise Substation ¹ | \$ | 17,893,687 | \$ | 4,675,343 | \$ | 160,313 | \$ | - | \$ | - | \$ | - | \$ | 22,729,343 |
| LGR Substation ¹ | \$ | 1,791,866 | \$ | 77,467 | \$ | 8,006,382 | \$ | 8,083,680 | \$ | - | \$ | - | \$ | 17,959,395 |
| South Reinforcement - Transmission Line ¹ | \$ | 824,671 | \$ | 10,383,115 | \$ | 5,567,859 | \$ | - | \$ | - | \$ | - | \$ | 16,775,645 |
| Dye/Cedar Dry Chemical Handling | \$ | 1,350,400 | \$ | 2,166,519 | \$ | 3,362,855 | \$ | 2,165,365 | \$ | 1,854,097 | \$ | 1,240,386 | \$ | 12,139,622 |
| Stanley Substation ¹ | \$ | 508,243 | \$ | 1,026,924 | \$ | 3,585,402 | \$ | - | \$ | - | \$ | 2,835,527 | \$ | 7,956,096 |
| Cedar Street - Sub Cutover ¹ | \$ | - | \$ | 500,000 | \$ | 2,303,000 | \$ | 1,086,000 | \$ | 2,293,000 | \$ | 1,651,000 | \$ | 7,833,000 |
| REO - Stack Heat Recovery | | | | | \$ | 1,000,000 | \$ | 2,400,000 | \$ | - | \$ | - | \$ | 3,400,000 |
| Electric System Protection | \$ | - | \$ | - | \$ | - | \$ | 573,000 | \$ | 1,250,000 | \$ | 1,250,000 | \$ | 3,073,000 |
| Magnolia Ave 4160V Cutover & Retirement | \$ | 1,014,930 | \$ | 847,260 | \$ | 814,610 | \$ | - | \$ | - | \$ | - | \$ | 2,676,800 |
| Total Major Planned Projects | \$ | 23,383,797 | \$ | 22,271,374 | \$ | 24,800,421 | \$ | 24,952,369 | \$ | 15,986,957 | \$ | 6,976,913 | \$ | 118,371,831 |
| Annual Projects ² | | | | | | | | | | | | | | |
| Electric | \$ | 21,270,000 | \$ | 18,800,000 | \$ | 18,808,000 | \$ | 18,983,000 | \$ | 18,850,000 | \$ | 18,850,000 | \$ | 115,561,000 |
| Water | \$ | 9,372,000 | \$ | 12,548,000 | \$ | 11,138,535 | \$ | 14,880,635 | \$ | 15,843,903 | \$ | 13,754,433 | \$ | 77,537,506 |
| Steam | \$ | 1,245,900 | \$ | 1,849,527 | \$ | 3,452,557 | \$ | 3,074,241 | \$ | 2,016,253 | \$ | 2,076,741 | \$ | 13,715,219 |
| Chilled Water | \$ | 51,500 | \$ | 53,045 | \$ | 54,636 | \$ | 56,275 | \$ | 57,964 | \$ | 59,703 | \$ | 333,123 |
| Common | \$ | 6,022,711 | \$ | 5,867,049 | \$ | 5,820,602 | \$ | 5,171,313 | \$ | 5,036,976 | \$ | 5,156,363 | \$ | 33,075,014 |
| Total Annual Projects | \$ | 37,962,111 | \$ | 39,117,621 | \$ | 39,274,330 | \$ | 42,165,464 | \$ | 41,805,097 | \$ | 39,897,239 | \$ | 240,221,861 |

¹ These projects support the Lansing Energy Tomorrow initiative.

<u>10</u> Largest PlannedProjects make up 63% ofTotal Planned Capital

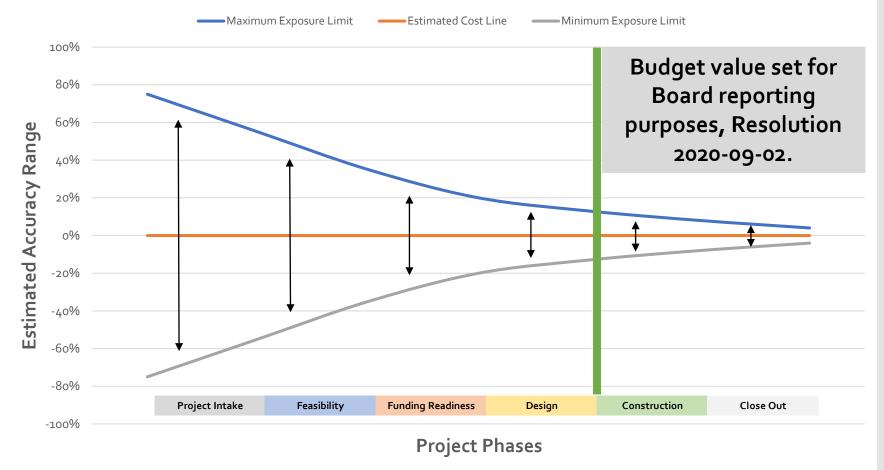
² Annual projects have some level of spending each year.

³ The forecast total represents 6-year spending. Spending before or after the 6-year period is not reflected in this total.

Capital Portfolio Budget & Forecast

- Capital Portfolio
 Spending by Utility and Location
- Capital Portfolio Major Projects and Annuals
- Capital Portfolio Gates and Phases
- Capital Portfolio
 Designed Budget
 Amounts

Estimating Accuracy by Phase



Board of Commissioners amended the Capital Project Exceedance Approval Policy (Resolution #2020-09-02) based on the portfolio approach.

- Capital Portfolio Budget & Forecast
 - Capital Portfolio
 Spending by Utility and Location
 - Capital Portfolio Major Projects and Annuals
 - Capital Portfolio Gates and Phases
 - Capital Portfolio
 Designed Budget

 Amounts

| Designed Budget Amounts by Latest Estimate | | | | | | | | | | | | |
|---|-----|--------------|-----|--------------|----------------------|--|--|--|--|--|--|--|
| | Des | igned Budget | Lat | est Estimate | Current Phase | | | | | | | |
| Project Name | | | | | | | | | | | | |
| Advanced Metering Infrastructure | \$ | 37,187,288 | \$ | 37,708,129 | Construction | | | | | | | |
| Customer Information System | \$ | 17,425,255 | \$ | 16,106,520 | Construction | | | | | | | |
| ESRI Implementation | \$ | 6,520,417 | \$ | 6,863,542 | Construction | | | | | | | |
| ADMS - Advanced Distribution Management System ¹ | \$ | 6,315,943 | \$ | 6,259,609 | Construction | | | | | | | |
| Magnolia Ave 4160V Sub Cutover and Retirement | \$ | 4,262,000 | \$ | 2,938,846 | Construction | | | | | | | |
| MP - Tainter Gate Trunnion Pin Replacement | \$ | 2,010,909 | \$ | 2,003,099 | Close Out | | | | | | | |
| Central Distribution | \$ | 2,440,611 | \$ | 1,980,575 | Close Out | | | | | | | |
| Eckert 13 & 15 Cutover | \$ | 1,882,818 | \$ | 1,788,534 | Construction | | | | | | | |
| College H919 - Distribution | \$ | 1,291,467 | \$ | 1,289,358 | Construction | | | | | | | |
| Erickson River Water Pump and Ash Pump Switchgear | \$ | 1,583,468 | \$ | 1,153,229 | Close Out | | | | | | | |
| Dye Sludge Transfer Pumps 1 and 2 Replacement | \$ | 1,139,725 | \$ | 1,141,961 | Construction | | | | | | | |
| SCADA Network Upgrade Phase 2 | \$ | 989,867 | \$ | 941,912 | Construction | | | | | | | |
| Fluoride Tank Replace | \$ | 834,367 | \$ | 762,701 | Construction | | | | | | | |
| Substation Modernization - Distribution | \$ | 635,848 | \$ | 714,085 | Construction | | | | | | | |
| ESRI Release 4 | \$ | 696,365 | \$ | 696,365 | Construction | | | | | | | |
| Dye Calciner Transformer Protection | \$ | 441,500 | \$ | 380,790 | Close Out | | | | | | | |
| Wellfield Asset Management | \$ | 298,474 | \$ | 248,677 | Construction | | | | | | | |
| Eckert 13.2kV Compressor Project | \$ | 164,169 | \$ | 183,305 | Construction | | | | | | | |
| Enterprise Sub - Howard Line DFR Input Integration | \$ | 198,534 | \$ | 161,215 | Close Out | | | | | | | |
| Davis Ave. Substation - Transient Recorder Replacement | \$ | 375,310 | \$ | 131,594 | Construction | | | | | | | |
| Davis Substation Hydrogen Sensor | \$ | 98,538 | \$ | 69,043 | Construction | | | | | | | |

^{*}Projects latest estimate and current phase as of March 2022

^{*}Projects exceeding the designed budget amount by \$200k & 15% are subject to Board reporting

¹ This was reported as an exceedance in September 2021. The revised budget amount is shown here



November 2021 — February 2022

- Budget Process Start
- Prepare Capital Budget
- Set Financial Targets
- Request Department Budgets
- Revenue Projections

March 2022 – April 2022

- Compile Budget & Forecast
- Internal Review and Approval

May 2022

- Finance Committee to accept, as presented, the Operating and Capital Forecast for FY 2023 2028 and recommend for Board of Commissioners' approval on May 24, 2022.
- Board of Commissioners to approve, as presented, the FY 2023 annual budget and file with the City Clerk within 10 days of approval.
- Board of Commissioners to accept, as presented, the Operating and Capital Forecast for FY 2023 2028 and submit the Capital Forecast to the Mayor prior to October 1, 2022.