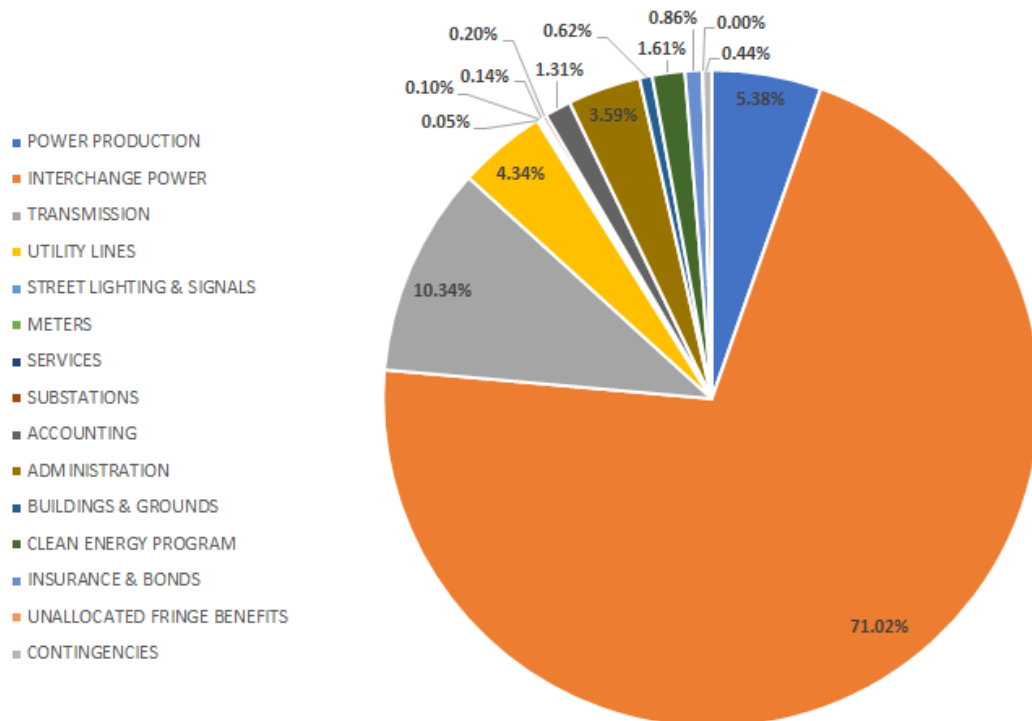


ZEELAND BOARD OF PUBLIC WORKS ELECTRIC UTILITY

FUND 582

	FY 20-21	FY 21-22	FY 21-22	FY 22-23	% Change
Financial Summary	Actual	Budget	Projected	Budget	From FY 21-22
Personnel Services	\$ 2,655,781	\$ 2,678,629	\$ 2,433,130	\$ 2,936,269	
Less Capitalized Labor	(315,827)	(265,500)	(222,360)	(198,337)	
Operating Costs	26,509,347	29,039,434	29,257,245	33,397,093	
Capital Outlay	3,784,095	7,240,000	6,900,000	5,395,500	
Capital to MPIA	770,000	770,000	770,000	-	
Transfers Out	543,870	507,712	507,712	530,564	
Debt Principal	-	-	-	-	
Total	\$ 33,947,266	\$ 39,970,275	\$ 39,645,727	\$ 42,061,089	5.23%
Personnel Summary	Budget		Budget		% Change
Full Time Positions		21.60		21.72	
Part Time Positions		1.87		1.52	
Full-Time Equivalents		23.47		23.24	-0.98%

This fund accounts for the activities of the Zeeland Board of Public Works Electric Utility. Budgeted operating expenses are expected to breakdown as follows:



Electric Operations, Revenues & Rates:

Electric load growth remains steady which is mostly attributable to strong industrial usage and sales. Electric operating revenues are projected at \$36.1 million for FY2023 which represents an approximate 17 percent increase over projected FY2022 revenues. Electric sales volume (kWh) is projected at 437,000 megawatt-hours which reflects an approximate 2.8 percent increase over the projected FY2022 electric sales volume. The increase in projected revenues is primarily attributable to an anticipated \$3.9 million year-over-year increase (+15.6 percent) in wholesale power supply costs. Power supply-related expenses comprise approximately **86 percent** of all BPW electric utility costs. Variations in energy, capacity, and transmission costs will be passed through on retail rates via the Power Cost Adjustment. The FY2023 budget includes a 12-month rolling average fuel and power cost adjustment and the July 2017-approved Energy Waste Reduction fees (now referred to as the Clean Energy Program). The net effect of the proposed budget and anticipated changes in the 12-month rolling average of the power cost adjustment factor are expected to result in an average retail rate of approximately 8.1 cents per kilowatt-hour (kWh). Consistent with past performance, electric rates are expected to compare favorably with that of other electric utilities in the region, and the BPW residential rate is estimated to remain more than 40% below that of Consumers Energy.

An electric utility cost of service study, which commenced in the fall of 2021, will be concluded in the spring of 2022. Although we anticipate no major structural changes to current rates, the study will consider long-term impacts to cash reserves especially in anticipation of continued future increases in wholesale power supply costs. Line extension fees come into play when a new development or re-development prompts the need for additional investment in electric facilities to serve said development. The study will review line extension fee schedules to ensure fee levels adequately recover actual expenses incurred for line extensions. Rates and fees changes, if any, will be recommended to the ZBPW Board of Commissioners and Zeeland City Council in the spring of 2022 and, if approved, will go into effect on July 1, 2022.

Renewable Energy:

The costs associated with renewable power purchases from North American Natural Resources (NANR) Autumn Hills Landfill Generating Plant, Beebe Wind Farm, Pegasus Wind Farm, and Assembly Solar are included in the FY2023 wholesale power supply forecast. In FY2022, Renewable Energy Credits (RECs) attributable to the NANR Autumn Hills Landfill Generating Plant were sold into the Ohio PJM market resulting in proceeds of approximately \$117,500 which effectively reduced the total cost of power supply from this resource.

The State of Michigan Public Act 342 signed into law in 2016, known as the Clean, Renewable and Efficient Energy Act, sunset on December 31, 2021. Although ZBPW is no longer held to a mandated percentage of load from renewable resources, we have projected approximately 23.8 percent of the BPW's system energy needs will come from NANR (landfill gas), Beebe (wind), Pegasus (wind), and Assembly (solar) renewable sources in FY2023.



Clean Energy Program:

With the sunset of Public Act 342, the mandated Energy Waste Reduction program was also terminated. This program provided monetary incentives to our retail customers who implemented qualifying energy efficiency improvement measures and has proven beneficial to all ZBPW customers over the years since program inception in 2009. Annual expenditures have averaged over \$400,000 in the most recent 5-year period. The ZBPW has established rates which allow for the recovery of expenses associated with this program.

The Michigan Public Power Agency (MPPA) has developed a new replacement program, the Clean Energy Program, whereby members can continue to offer energy efficiency incentive programming on a voluntary basis. The FY2023 budget includes Clean Energy Program costs as well as offsetting Clean Energy Program revenues.

Power Supply Addition(s):

The BPW added to its power supply portfolio in FY2022 with bilateral energy purchases for calendar years 2023 and 2024 and capacity purchases for planning years 2025/2026 through 2027/2028 in accordance with the ZBPW Energy Risk Management Policy.

Operating Expenses:

The FY2023 budget anticipates increases in wages and fringe benefits due to inflationary increases and the addition of staff. The FY2023 budget reflects a full year of funding for the following new positions: part-time Customer Relationship Specialist, Purchasing-Accounts Payable Coordinator, Buildings & Grounds Foreman, Water Service Technician, and Water Service Worker.

The Electric Department FY2023 operating budget includes funding transfers to the City of Zeeland for IT-related expenditures to be managed by the newly formed Information Technology Department.

Other Electric Department operating expenses include a \$530,564 transfer to the City of Zeeland General Fund as required by Charter, a \$35,000 transfer to the City of Zeeland for marketing activities, \$25,000 for Lakeshore Advantage, \$20,000 for utility bill payment assistance, and \$79,289 in franchise fee payments to the townships. The annual transfer to the Michigan Professional Insurance Authority (MPIA) equity fund, typically totaling \$770,00, is not included in the FY2023 budget to aid in offsetting the anticipated increases in wholesale power supply costs.

Income:

Projected income, depreciation, contribution in aid of construction, and cash reserves are more than adequate to fully fund capital improvements proposed in the utility's FY2023 Capital Improvement Program.

Capital Improvements:

FY2023 capital improvements are planned at a spending level of approximately \$5.4 million outlined in the proposed Six Year Capital Improvement Program. Included in this figure is \$4,730,000 for Transmission and Distribution Improvements consisting of modifications needed in anticipation of planned street reconstruction/resurfacing projects, overhead to underground conversions, the addition of underground-fed capacitor banks, the construction of a new underground circuit out of Perry Substation (PE6), a Gentex FV8 to NRC3 circuit addition (dependent on Gentex load growth), replacement of underground cable at Roosevelt and State Streets (Creekside Apartments), underground cable to NANR building, re-gasketing of Riley Transformer 3, relocation of Fairview transformers to Riley Sub, and a new transformer at Fairview Sub.

Generation Capital Improvements totaling \$350,000 includes funding for replacement diesel fuel piping into the plant, installation of fire and gas detection systems at the generating facilities, and a generation capacity study.

Facilities Capital Improvements totaling \$297,500 includes funding for security camera updates, upgrades to the diesel pump house, and funding contributions in partnership with the Water Department for property procurements.

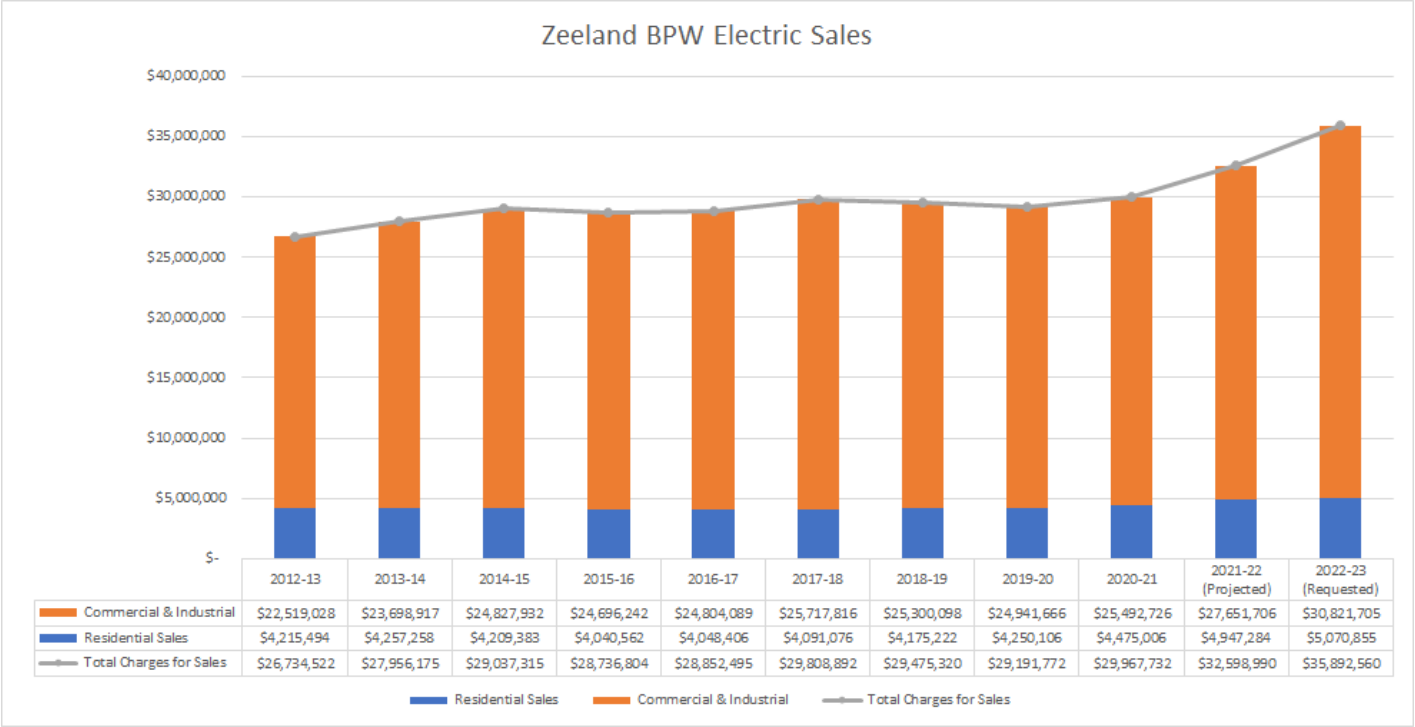
Technology Capital Improvements totaling \$103,000 includes funding for evaluation of replacement options for the utility billing system (75% allocated to Electric).

With FY2022 BPW Electric Department capital expenditures budgeted at \$5.4 million and depreciation expense anticipated at \$2.2 million, the resulting Capital Expense to Depreciation Expense ratio of 2.45 signifies the expectation of future growth and improved system performance (source: <https://bizfluent.com/info-8609870-capital-expenditures-depreciation-ratio.html>). This is also indicative of BPW's commitment to prudent, timely, and continuous preventative maintenance, renewals, and replacements thereby enabling the extension of asset life which, in turn, helps to keep rates low.

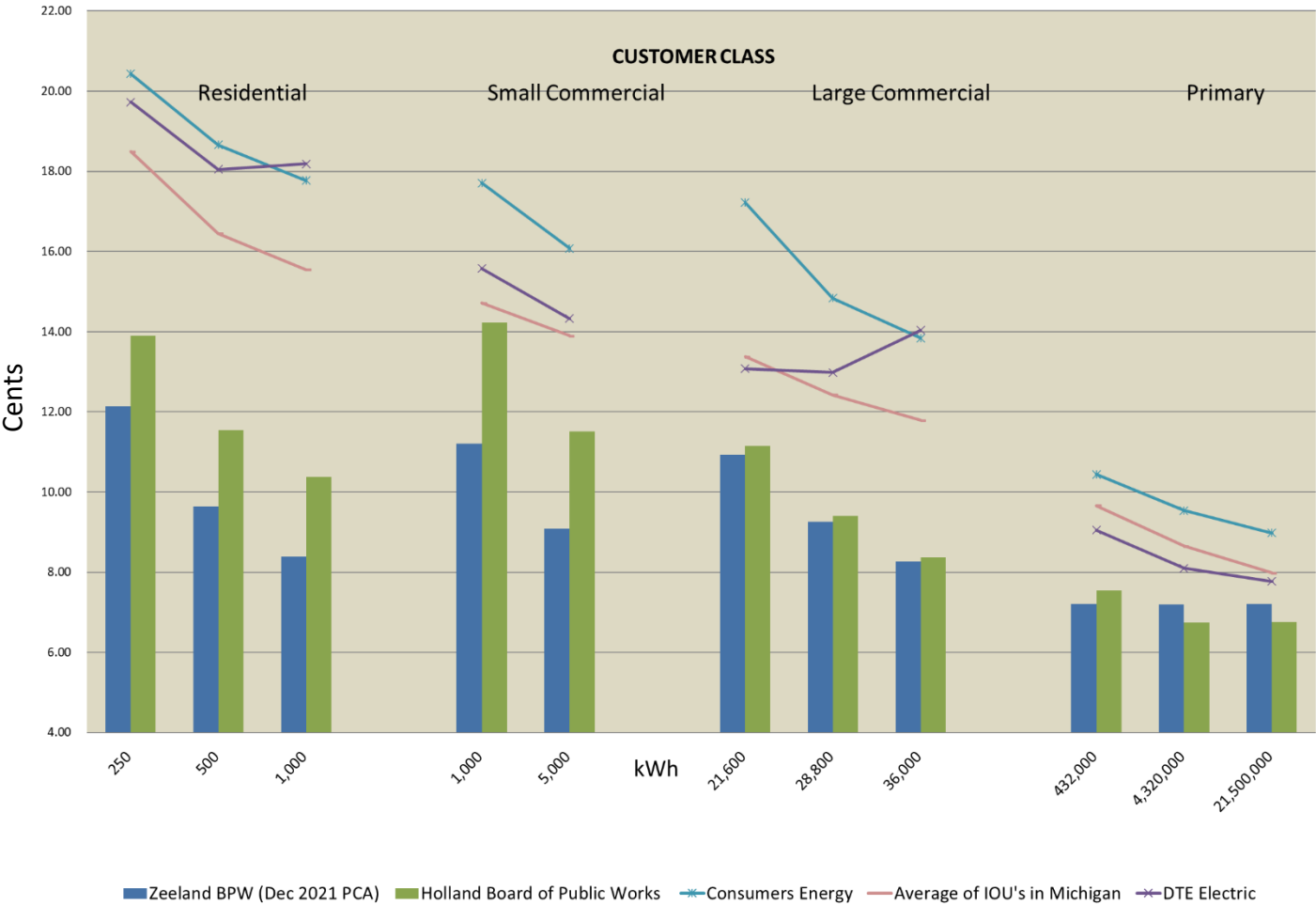
Operational Data

The following provides some operational data for the electric utility (FY2021 data):

Number of Customers by Classification:	
Residential	5,902
Commercial/Industrial	1,070
Street Lights	<u>98</u>
	7,070
Percentage by Customer Location:	
Within City of Zeeland	41.0%
Outside City of Zeeland	59.0%
BPW Internal Generation Capacity:	36 MW
BPW Entitlement Interests in Generation Capacity:	
Belle River	11.58 MW
AMP Fremont Energy Center (AFEC)	7.06 MW
Autumn Hills Landfill Gas Generation	4.0 MW
Beebe Wind	2.28 MW
Pegasus Wind	12.2 MW
Solar	14.4 MW
Miles of Primary Distribution Lines (Percent of Total):	
Underground	119.3 miles (75%)
Overhead	38.1 miles (25%)
Miles of High Voltage Transmission Lines:	17.2 miles
FY2023 Anticipated Sales Volume:	436,869 MWh
FY2023 Anticipated Peak System Demand:	87.488 MW
All Time Peak Load August 24, 2021, HE 14:00):	84.137 MW
Approximate Service Area	28.2 square miles



Zeeland BPW Electric Rate Comparison – January 2022



BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 582: ELECTRIC UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
OPERATING REVENUES						
CHARGES FOR SERVICE						
582-000-646.000	Utility Sales - Residential	4,439,506	4,781,335	2,473,642	4,947,284	5,070,855
582-000-646.100	Utility Sales - Residential - CEP	35,500	36,000	17,786	35,571	41,418
582-000-647.000	Utility Sales - Commercial Sales	25,237,835	25,514,143	13,609,770	27,219,541	2,760,201
582-000-647.002	Utility Sales - Industrial Sales	-	-	-	-	25,255,075
582-000-647.003	Utility Sales - Public Sales	-	-	-	-	2,328,407
582-000-647.100	Utility Sales - Commercial/Industrial - CEP Rate B	34,181	34,000	17,213	34,425	40,418
582-000-647.200	Utility Sales - Commercial/Industrial - CEP Rate C	21,288	23,000	9,913	19,825	23,860
582-000-647.300	Utility Sales - Commercial/Industrial - CEP Rate D	199,422	206,000	104,034	208,069	237,978
582-000-647.900	Net Metering Admin Fee	-	-	-	-	120
582-000-648.000	Utility Sales - Charging Stations	198	250	149	297	250
582-000-649.000	Utility Sales - Street Lights	130,321	125,000	66,449	132,898	133,978
582-000-649.100	Utility Sales - Street Lights - CEP	1,080	1,080	540	1,080	-
CHARGES FOR SERVICE		30,099,329	30,720,807	16,299,496	32,598,990	35,892,560
582-000-697.000	Less Sales Tax	(470,921)	(506,088)	(248,664)	(497,329)	-
OTHER REVENUE						
582-000-445.000	Interest/Penalties on Sales	26,088	20,000	11,326	22,653	29,232
582-000-668.001	Pole Attachment Rent	8,892	12,000	2,053	4,106	12,000
582-000-669.000	Open Market - Sale of Credits	192,465	-	117,500	235,000	160,000
582-000-689.000	New Service Fee	4,740	5,500	4,073	8,147	5,400
582-000-689.001	Reconnection Fees	-	-	-	-	3,300
582-000-693.000	Scrap Revenue	15,486	15,000	13,225	26,449	15,000
582-000-694.000	Other Revenue	21,661	25,000	30,324	60,647	25,000
OTHER REVENUE		269,333	77,500	178,501	357,002	249,932
TOTAL OPERATING REVENUE		29,897,741	30,292,219	16,229,333	32,458,663	36,142,492

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 582: ELECTRIC UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
APPROPRIATIONS						
Dept 536: POWER PRODUCTION						
Personnel						
582-536-702.001	Wages/Full-Time Operating	182,693	197,526	89,633	179,266	213,084
582-536-702.002	Wages/Full-Time Maintenance	161,175	152,396	72,841	145,682	158,490
582-536-703.001	Wages/Part-Time Operating	16,581	13,844	194	388	14,399
582-536-703.002	Wages/Part-Time Maintenance	35,847	36,102	9,602	19,204	21,599
582-536-704.001	Wages/Overtime Operating	14,829	20,916	9,121	18,241	22,388
582-536-704.002	Wages/Overtime Maintenance	2,893	4,601	737	1,474	4,785
582-536-707.000	Wages/On-Call	24,412	13,765	11,435	22,870	14,391
582-536-710.000	Wages/Longevity Pay	4,000	4,250	4,250	4,250	4,250
582-536-711.000	Capitalized Wages	(22,460)	(10,000)	(16,356)	(32,711)	(23,134)
582-536-712.000	Capitalized Fringes	(11,230)	(5,000)	(7,276)	(14,553)	(11,567)
582-536-715.000	Employer FICA Contributions	32,611	33,888	14,564	29,129	34,651
582-536-716.000	Employee Insurances	79,501	69,355	32,363	64,727	81,965
582-536-716.001	Retirees Health Insurance - OPEB	26,950	-	-	-	-
582-536-716.002	HSA/CITY CONTRIBUTIONS	617	750	-	-	-
582-536-717.001	Employee Retirement - DC	29,840	31,443	15,041	30,083	33,357
582-536-718.000	Workers Comp Insurance	4,349	9,122	4,453	8,906	9,132
582-536-719.000	Life & Accidental Insurance	1,815	2,239	800	1,600	2,376
582-536-721.000	Long Term Disability	928	955	439	877	1,013
582-536-722.000	Retiree Health Savings Plan	4,524	3,666	2,013	4,026	3,776
		589,876	579,820	243,855	483,459	584,955
Supplies						
582-536-734.000	Safety Supplies	1,023	3,500	227	455	5,000
582-536-743.000	Chemicals	960	3,000	-	-	3,500
582-536-744.000	Natural Gas - Engine Fuel	100,863	155,000	53,584	107,169	780,000
582-536-744.001	Natural Gas - Water Heater	26,814	30,000	12,480	24,959	35,000
582-536-745.000	Diesel Fuel	38,536	25,000	-	-	90,000
582-536-746.000	Water	7,554	11,000	1,987	3,975	11,000
582-536-747.000	Lubricants	3,582	5,500	-	-	5,000
582-536-751.000	Gasoline	1,693	2,500	773	1,546	2,500
582-536-757.000	Other Operating Supplies	3,002	4,000	2,509	5,018	4,000
582-536-766.000	Tools	3,731	4,000	980	1,960	4,000
582-536-768.000	Uniforms & Cleaning	5,476	6,000	1,128	2,256	7,500
582-536-776.000	Building Maintenance Supplies	17,815	25,000	5,636	11,272	25,000
582-536-778.000	Equipment Maintenance Supplies	67,740	45,000	4,920	9,840	50,000
582-536-778.001	Vehicle Supplies	1,182	2,500	57	114	2,500
		279,971	322,000	84,282	168,564	1,025,000
Professional & Contracted Services						
582-536-820.000	Contractual Services - Other	99,940	85,000	17,086	80,000	85,000
582-536-829.000	Air Emission Fee	9,023	9,500	230	9,000	10,000
582-536-850.000	Communications	10,194	10,500	2,127	10,000	10,500
582-536-861.000	Travel & Training	3,078	8,500	898	6,000	8,500
582-536-900.000	Printing & Publishing	-	-	28	28	-
582-536-920.000	Utilities	5,168	7,500	4,848	9,000	12,500
582-536-931.000	Building Maintenance	8,441	15,000	4,811	12,000	15,000
582-536-933.000	Equipment Maintenance	60,884	70,000	32,698	65,000	65,000
582-536-956.000	Miscellaneous	7,578	8,000	3,176	7,000	8,000
		204,306	214,000	65,902	198,028	214,500
Totals for Dept 536-POWER PRODUCTION		1,074,153	1,115,820	394,039	850,051	1,824,455
Dept 537: INTERCHANGE POWER						
582-537-820.000	Interchange Power Expense	19,103,333	21,254,243	10,749,370	21,074,073	24,080,491
Totals for Dept 537-INTERCHANGE POWER		19,103,333	21,254,243	10,749,370	21,074,073	24,080,491

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 582: ELECTRIC UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 539: TRANSMISSION						
582-539-820.000	Contractual Services - Other	3,287,935	3,337,575	2,142,130	3,821,304	4,102,561
582-539-820.005	MISO Transmission Credit	(628,741)	(621,420)	(305,543)	(611,086)	(604,158)
582-539-830.000	Tree Trimming	7,283	6,000	-	6,000	6,000
582-539-933.000	Equipment Maintenance	-	-	2,475	2,500	-
Totals for Dept 539-TRANSMISSION		2,666,478	2,722,155	1,839,062	3,218,718	3,504,403
Dept 540: UTILITY LINES						
Personnel Services						
582-540-702.001	Wages/Full-Time Operating	157,518	174,780	80,900	161,801	189,430
582-540-702.002	Wages/Full-Time Maintenance	555,125	629,708	266,392	532,785	659,691
582-540-703.001	Wages/Part-Time Operating	15,639	-	-	-	-
582-540-703.002	Wages/Part-Time Maintenance	24,995	25,007	4,216	8,432	16,559
582-540-704.001	Wages/Overtime Operating	1,654	-	7,671	15,343	-
582-540-704.002	Wages/Overtime Maintenance	20,774	51,232	6,250	12,499	53,917
582-540-704.003	Wages/Double-Time Mutual Aid	4,325	-	12,355	24,711	-
582-540-707.000	Wages/On-Call	32,859	45,683	16,162	32,324	47,586
582-540-708.000	Cash in Lieu	1,418	1,505	939	1,878	1,505
582-540-710.000	Wages/Longevity Pay	9,362	8,813	9,412	18,825	8,813
582-540-711.000	Capitalized Wages	(170,813)	(150,000)	(49,706)	(99,411)	(95,000)
582-540-712.000	Capitalized Fringes	(86,073)	(75,000)	(25,219)	(50,438)	(47,000)
582-540-715.000	Employer FICA Contributions	60,508	71,026	29,740	59,479	74,126
582-540-716.000	Employee Insurances	118,946	113,042	51,234	102,468	133,595
582-540-716.001	Retirees Health Insurance - OPEB	17,821	-	-	-	-
582-540-716.002	HSA/City Contributions	5,892	6,226	-	-	-
582-540-717.001	Employee Retirement - DC	61,596	72,274	31,961	63,921	76,192
582-540-718.000	Workers Comp Insurance	9,302	19,118	9,333	18,666	19,534
582-540-719.000	Life & Accidental Insurance	3,675	5,148	1,645	3,290	5,426
582-540-720.000	Unemployment	-	-	319	637	-
582-540-721.000	Long Term Disability	1,930	2,195	941	1,883	2,315
582-540-722.000	Retiree Health Savings Plan	13,429	14,201	6,577	13,153	14,627
		859,882	1,014,958	461,121	922,246	1,161,316
Supplies						
582-540-734.000	Safety Supplies	6,484	12,000	4,717	12,000	12,000
582-540-751.000	Gasoline	9,243	10,000	5,433	10,000	12,000
582-540-757.000	Other Operating Supplies	6,782	5,500	2,299	5,500	5,500
582-540-766.000	Tools	6,939	8,000	1,351	8,000	10,000
582-540-768.000	Uniforms & Cleaning	9,374	10,000	10,725	15,000	15,000
582-540-776.000	Building Maintenance Supplies	3,263	5,000	1,499	5,000	5,000
582-540-778.000	Equipment Maintenance Supplies	67,507	40,000	12,663	40,000	40,000
582-540-778.001	Vehicle Supplies	12,029	20,000	8,600	20,000	20,000
		121,620	110,500	47,287	115,500	119,500
Professional & Contracted Services						
582-540-820.000	Contractual Services - Other	89,710	85,000	8,951	80,000	85,000
582-540-825.000	Tree Replacement	74	1,000	-	100	1,000
582-540-830.000	Tree Trimming	65,173	70,000	29,081	70,000	60,000
582-540-850.000	Communications	12,987	10,000	6,514	10,000	-
582-540-861.000	Travel & Training	9,016	10,000	1,317	10,000	15,000
582-540-900.000	Printing & Publishing	-	-	19	4,000	4,000
582-540-920.000	Utilities	1,157	2,000	349	2,000	2,000
582-540-931.000	Building Maintenance	239	1,000	3,273	6,000	-
582-540-933.000	Equipment Maintenance	10,165	12,000	349	10,000	12,000
582-540-933.001	Vehicle Contract Labor	7,792	10,000	4,625	10,000	10,000
582-540-956.000	Miscellaneous	4,331	2,000	792	2,000	2,000
		200,643	203,000	55,269	204,100	191,000
Totals for Dept 540-UTILITY LINES		1,182,145	1,328,458	563,678	1,241,846	1,471,816

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 582: ELECTRIC UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 542: STREET LIGHTING & SIGNALS						
Personnel Services						
582-542-702.002	Wages/Full-Time Maintenance	5,158	8,864	1,512	3,025	9,289
582-542-708.000	Cash in Lieu of Insurance	-	20	-	-	20
582-542-711.000	Capitalized Wages	-	(2,000)	-	-	-
582-542-712.000	Capitalized Fringes	-	(1,000)	-	-	-
582-542-715.000	Employer FICA Contributions	372	766	107	213	802
582-542-716.000	Employee Insurances	652	1,144	225	450	1,352
582-542-716.002	HSA/City Contributions	-	65	-	-	-
582-542-717.001	Employee Retirement - DC	413	801	121	242	839
582-542-718.000	Workers Comp Insurance	95	206	101	201	211
582-542-719.000	Life & Accidental Insurance	31	57	12	23	60
582-542-721.000	Long Term Disability	14	24	4	8	25
582-542-722.000	Retiree Health Savings Plan	106	193	30	61	199
		6,840	9,141	2,111	4,223	12,797
Supplies						
582-542-778.000	Equipment Maintenance Supplies	983	5,000	-	5,000	5,000
		983	5,000	-	5,000	5,000
Totals for Dept 542-STREET LIGHTING & SIGNALS		7,824	14,141	2,111	9,223	17,797
Dept 543: METERS						
Personnel Services						
582-543-702.002	Wages/Full-Time Maintenance	2,407	5,492	3,988	7,976	5,746
582-543-704.002	Wages/Overtime Maintenance	185	-	306	611	-
582-543-708.000	Cash in Lieu of Insurance	-	10	-	-	10
582-543-715.000	Employer FICA Contributions	195	477	322	644	498
582-543-716.000	Employee Insurances	114	715	274	549	845
582-543-716.002	HSA/City Contributions	-	53	-	-	-
582-543-717.001	Employee Retirement - DC	49	498	228	456	521
582-543-718.000	Workers Comp Insurance	59	128	63	125	131
582-543-719.000	Life & Accidental Insurance	21	36	17	34	37
582-543-721.000	Long Term Disability	7	15	11	22	16
582-543-722.000	Retiree Health Savings Plan	58	116	98	197	119
		3,095	7,539	5,307	10,614	7,923
Professional & Contracted Services						
582-543-820.000	Contractual Services - Other	-	25,000	-	15,000	25,000
		-	25,000	-	15,000	25,000
Totals for Dept 543-METERS		3,095	32,539	5,307	25,614	32,923
Dept 544: SERVICES						
Personnel Services						
582-544-702.002	Wages/Full-Time Maintenance	28,849	33,507	14,239	28,478	35,023
582-544-704.002	Wages/Overtime Maintenance	2,155	-	639	1,278	-
582-544-708.000	Cash in Lieu of Insurance	-	80	-	-	80
582-544-715.000	Employer FICA Contributions	2,205	2,913	1,059	2,119	3,042
582-544-716.000	Employee Insurances	4,382	4,147	1,855	3,711	4,901
582-544-716.002	HSA/City Contributions	627	260	-	-	-
582-544-717.001	Employee Retirement - DC	2,480	3,046	1,190	2,380	3,181
582-544-718.000	Workers Comp Insurance	362	784	383	766	802
582-544-719.000	Life & Accidental Insurance	133	217	86	172	227
582-544-721.000	Long Term Disability	78	93	38	77	97
582-544-722.000	Retiree Health Savings Plan	543	714	264	528	735
Totals for Dept 544-SERVICES		41,814	45,761	19,754	39,509	48,088

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 582: ELECTRIC UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 545: SUBSTATIONS						
Personnel Services						
582-545-702.002	Wages/Full-Time Maintenance	23,974	5,492	24,763	49,525	5,746
582-545-703.002	Wages/Part-Time Maintenance	15,382	12,736	7,589	15,178	-
582-545-704.002	Wages/Overtime Maintenance	408	-	-	-	-
582-545-708.000	Cash in Lieu of Insurance	-	10	-	-	10
582-545-715.000	Employer FICA Contributions	3,011	1,451	2,459	4,917	498
582-545-716.000	Employee Insurances	876	715	382	765	845
582-545-716.002	HSA/City Contributions	-	53	-	-	-
582-545-717.001	Employee Retirement - DC	585	498	1,544	3,087	521
582-545-718.000	Workers Comp Insurance	181	391	191	381	131
582-545-719.000	Life & Accidental Insurance	119	36	124	248	37
582-545-721.000	Long Term Disability	65	15	67	134	16
582-545-722.000	Retiree Health Savings Plan	519	116	537	1,074	119
		45,119	21,511	37,655	75,309	7,923
Supplies						
582-545-776.000	Building Maintenance Supplies	7,885	4,000	2,416	5,000	5,000
582-545-778.000	Equipment Maintenance Supplies	11,126	12,000	5,385	12,000	12,000
		19,011	16,000	7,801	17,000	17,000
Professional & Contracted Services						
582-545-820.000	Contractual Services - Other	51,269	65,000	40,689	50,000	40,000
582-545-920.000	Utilities	762	2,000	805	2,000	2,000
		52,030	67,000	41,494	52,000	42,000
Totals for Dept 545-SUBSTATIONS		116,160	104,511	86,949	144,309	66,923

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 582: ELECTRIC UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 546: ACCOUNTING						
Personnel Services						
582-546-702.001	Wages/Full-Time Operating	173,168	203,781	94,844	189,688	234,954
582-546-703.001	Wages/Part-Time Operating	11,464	5,698	77	154	15,341
582-546-704.001	Wages/Overtime Operating	339	5,828	650	1,300	2,741
582-546-708.000	Cash in Lieu of Insurance	742	-	-	-	-
582-546-710.000	Wages/Longevity Pay	1,946	1,815	1,815	3,630	1,625
582-546-713.000	Performance Incentive	447	576	-	-	541
582-546-715.000	Employer FICA Contributions	13,952	16,654	7,145	14,290	19,523
582-546-716.000	Employee Insurances	34,825	42,900	20,053	40,106	56,953
582-546-716.001	Retirees Health Insurance - OPEB	16,512	-	-	-	-
582-546-716.002	HSA/City Contributions	1,992	2,330	-	-	-
582-546-717.000	Employee Retirement - DB	20,930	4,588	2,072	4,144	4,722
582-546-717.001	Employee Retirement - DC	11,773	15,990	5,140	10,280	18,195
582-546-718.000	Workers Comp Insurance	557	1,291	630	1,260	2,277
582-546-719.000	Life & Accidental Insurance	863	1,208	450	899	1,367
582-546-721.000	Long Term Disability	465	515	256	513	583
582-546-722.000	Retiree Health Savings Plan	3,323	4,669	1,852	3,705	6,300
		293,298	307,842	134,984	269,969	365,122
Supplies						
582-546-729.000	Postage	15,295	15,000	7,500	15,000	18,000
582-546-730.000	General Office Supplies	1,574	2,000	1,383	2,766	2,000
582-546-730.001	Computer Supplies	3,017	-	176	351	-
582-546-751.000	Gasoline	345	500	278	557	500
582-546-768.000	Uniforms & Cleaning	-	-	144	289	500
582-546-778.000	Equipment Maintenance Supplies	68	300	34	68	500
		20,299	17,800	9,515	19,031	21,500
Professional & Contracted Services						
582-546-808.000	Independent Audit	15,439	16,000	8,791	17,582	15,000
582-546-820.000	Contractual Services - Other	47,151	40,000	17,544	35,088	20,000
582-546-850.000	Communications	1,179	-	903	1,806	2,000
582-546-861.000	Travel & Training	-	-	2,181	4,362	15,000
582-546-900.000	Printing & Publishing	-	-	-	-	3,000
582-546-933.000	Equipment Maintenance	-	250	594	1,189	500
582-546-956.000	Miscellaneous	890	500	604	1,207	500
		64,659	56,750	30,617	61,234	56,000
Totals for Dept 546-ACCOUNTING		378,256	382,392	175,117	350,234	442,622

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 582: ELECTRIC UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 547: ADMINISTRATION						
Personnel Services						
582-547-702.001	Wages/Full-Time Operating	373,235	318,507	160,335	320,670	332,090
582-547-703.001	Wages/Part-Time Operating	21,439	23,940	5,111	10,222	24,740
582-547-703.002	Wages/Part-Time Maintenance	6,805	5,960	2,212	4,424	-
582-547-704.001	Wages/Overtime Operating	42	-	76	152	-
582-547-706.000	Car Allowance	4,815	-	2,254	4,508	4,500
582-547-708.000	Cash in Lieu of Insurance	-	375	-	-	375
582-547-710.000	Wages/Longevity Pay	255	255	255	510	255
582-547-711.000	Capitalized Wages	(16,834)	(15,000)	(7,815)	(15,630)	(13,200)
582-547-712.000	Capitalized Fringes	(8,417)	(7,500)	(4,809)	(9,617)	(8,436)
582-547-713.000	Performance Incentive	111	118	-	-	122
582-547-715.000	Employer FICA Contributions	28,991	26,701	11,423	22,846	27,346
582-547-716.000	Employee Insurances	43,591	33,963	14,503	29,005	40,138
582-547-716.001	Retirees Health Insurance - OPEB	2,897	-	-	-	-
582-547-716.002	HSA/City Contributions	1,458	1,094	-	-	-
582-547-717.001	Employee Retirement - DC	29,386	25,531	12,785	25,570	26,618
582-547-718.000	Workers Comp Insurance	2,399	4,713	2,301	4,601	4,711
582-547-719.000	Life & Accidental Insurance	1,866	1,818	766	1,532	1,896
582-547-721.000	Long Term Disability	1,023	775	440	881	809
582-547-722.000	Retiree Health Savings Plan	6,967	5,306	2,884	5,767	5,465
		500,029	426,555	202,720	405,441	447,429
Supplies						
582-547-729.000	Postage	5,610	5,000	764	1,528	5,000
582-547-730.000	General Office Supplies	13,971	6,000	1,480	2,960	6,000
582-547-730.001	Computer Supplies	9,102	7,000	3,066	6,132	500
582-547-734.000	Safety Supplies	3,946	3,500	500	1,000	300
582-547-751.000	Gasoline	251	500	145	291	-
582-547-776.000	Building Maintenance Supplies	8,414	5,500	2,727	5,454	-
582-547-779.000	Other Repair & Maint. Supplies	335	250	329	657	500
		41,630	27,750	9,011	18,022	12,300
Professional & Contracted Services						
582-547-814.000	Computer Services	122,734	84,989	62,163	124,327	-
582-547-814.101	Computer Services - Internal, Fixed Fee	-	109,000	54,525	109,050	160,000
582-547-814.102	Computer Services - Internal, Billable	-	47,000	20,880	41,760	110,000
582-547-814.103	Computer Services - Capital	-	150,000	31,920	63,840	60,000
582-547-819.000	Safety Services	33,600	22,000	11,648	23,295	14,081
582-547-820.000	Contractual Services - Other	91,777	75,000	14,605	29,211	35,000
582-547-820.008	Credit Card Fees	2,119	-	12,728	25,456	30,000
582-547-826.000	Legal Fees	7,599	7,500	3,121	6,241	7,500
582-547-828.000	Memberships, Dues, & Subscript	76,639	75,000	775	1,550	81,350
582-547-850.000	Communications	8,683	3,875	5,612	11,223	-
582-547-861.000	Travel & Training	23,631	45,000	11,320	22,639	35,000
582-547-880.000	Community Promotion	37,072	35,000	14,629	29,258	14,063
582-547-883.000	Residential Assistance	2,500	20,000	5,000	10,000	20,000
582-547-890.000	Community Contr./Projects	18,671	25,000	25,000	25,000	45,000
582-547-895.000	Economic Development	80,000	55,000	25,000	25,000	55,000
582-547-900.000	Printing & Publishing	4,742	2,500	4,410	8,820	-
582-547-920.000	Utilities	12,146	12,000	4,882	9,764	-
582-547-931.000	Building Maintenance	30,006	17,500	10,704	21,408	-
582-547-933.000	Equipment Maintenance	15,071	20,000	4,672	9,345	-
582-547-955.000	Internal Meetings	2,158	600	365	730	1,125
582-547-955.001	Employee Appreciation	-	-	-	-	8,000
582-547-956.000	Miscellaneous	13,956	10,000	3,199	6,398	2,000
582-547-956.003	Uncollectible Sales	295	500	-	-	250
582-547-957.000	Franchise Fees	70,167	72,272	-	76,979	79,289
		653,566	889,736	327,158	681,294	757,658
Totals for Dept 547-ADMINISTRATION		1,195,225	1,344,041	538,889	1,104,757	1,217,387

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 582: ELECTRIC UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 571: BUILDINGS & GROUNDS						
Personnel Services						
582-571-702.000	Wages/Full-Time	-	-	-	-	55,408
582-571-703.000	Wages/Part-Time	-	-	-	-	20,576
582-571-715.000	Employer FICA Contributions	-	-	-	-	5,813
582-571-716.000	Employee Insurances	-	-	-	-	12,675
582-571-717.001	Employee Retirement - DC	-	-	-	-	4,433
582-571-718.000	Workers Comp Insurance	-	-	-	-	1,532
582-571-719.000	Life & Accidental Insurance	-	-	-	-	316
582-571-721.000	Long Term Disability	-	-	-	-	135
582-571-722.000	Retiree Health Savings Plan	-	-	-	-	1,491
		-	-	-	-	102,379
Supplies						
582-571-734.000	Safety Supplies	-	-	-	-	3,500
582-571-751.000	Gasoline	-	-	390	780	500
582-571-757.000	Other Operating Supplies	-	-	-	-	5,500
582-571-766.000	Tools	-	-	-	-	2,500
582-571-768.000	Uniforms & Cleaning	-	-	-	-	1,500
582-571-776.000	Building Maintenance Supplies	-	-	-	-	13,125
582-571-778.000	Equipment Maintenance Supplies	-	-	-	-	11,250
		-	-	390	780	37,875
Professional & Contracted Services						
582-571-820.000	Contractual Services - Other	-	-	218	435	33,750
582-571-920.000	Utilities	-	-	337	673	15,000
582-571-931.000	Building Maintenance	-	-	1,145	2,290	15,972
582-571-933.000	Equipment Maintenance	-	-	263	527	5,000
		-	-	1,963	3,925	69,722
Totals for Dept 571-BUILDINGS & GROUNDS						
		-	-	2,353	4,705	209,976
Dept 551: SMART ENERGY PROGRAM (CEP)						
582-551-967.000	Customer Incentives	500	-	500	1,000	5,000
582-551-967.100	Residential Program Expenses (Rate A)	61,006	75,000	27,952	45,000	101,072
582-551-967.200	Commercial/Industrial Program Expenses (Rate B)	30,418	20,000	66,969	85,000	10,443
582-551-967.300	Commercial/Industrial Program Expenses (Rate C)	4,693	40,000	6,327	12,654	31,329
582-551-967.400	Commercial/Industrial Program Expenses (Rate D)	253,497	300,000	303,186	405,000	219,301
582-551-967.600	Clean Energy Initiatives	-	-	-	-	155,205
582-551-967.700	Education Expenses	-	10,000	644	1,288	10,000
582-551-967.800	Administration Expenses	3,456	5,000	1,273	2,546	5,000
582-551-967.900	Evaluation	7,481	7,500	6,622	13,244	7,500
Totals for Dept 551-ENERGY OPTIMIZATION		361,050	457,500	413,473	565,732	544,850
Dept 851: INSURANCE, BONDS						
582-851-910.000	Insurance and Bonds	283,959	250,000	125,000	250,000	292,475
Totals for Dept 851-INSURANCE & BONDS		283,959	250,000	125,000	250,000	292,475
Dept 852: UNALLOCATED FRINGE BENEFITS						
582-852-956.000	Miscellaneous Fringes	1,094	1,000	1,224	2,448	1,500
Totals for Dept 852-UNALLOCATED FRINGE BENEFITS		1,094	1,000	1,224	2,448	1,500
Dept 890: CONTINGENCIES						
582-890-956.000	Miscellaneous	59,773	100,000	-	-	150,000
Totals for Dept 890-CONTINGENCIES		59,773	100,000	-	-	150,000

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 582: ELECTRIC UTILITY FUND
2022-2023 FISCAL YEAR

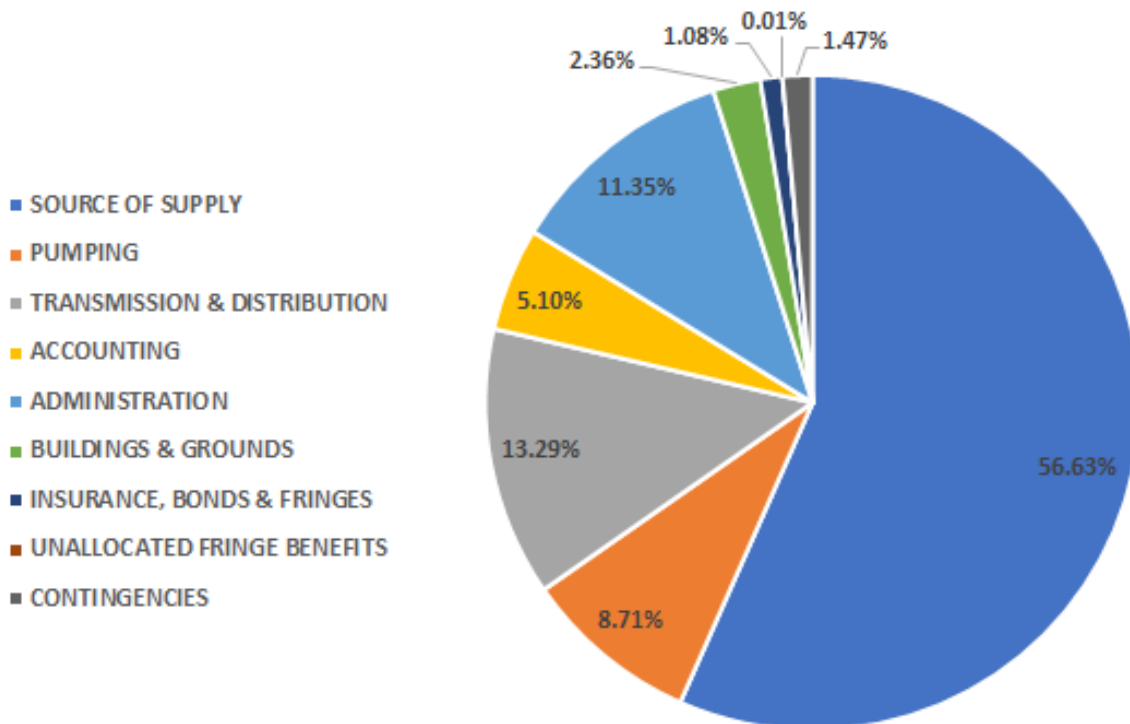
GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
OPERATING EXPENSES BEFORE DEPRECIATION		26,474,359	29,152,562	14,916,325	28,881,219	33,905,706
OPERATING INCOME BEFORE DEPRECIATION		3,423,382	1,139,658	1,313,008	3,577,444	2,236,786
Dept 550: DEPRECIATION						
582-550-968.000	Depreciation	2,374,940	2,300,000	1,293,398	2,586,796	2,229,319
Totals for Dept 550-DEPRECIATION		2,374,940	2,300,000	1,293,398	2,586,796	2,229,319
OPERATING INCOME		1,048,441	(1,160,342)	19,610	990,648	7,467
NON-OPERATING REVENUES						
582-000-665.009	Equity Adjustment in MPIA	4,251,386	500,000	741,316	1,482,632	500,000
582-000-665.010	Equity Adjustment in MPPA	(6,829)	100,000	(39,411)	(78,823)	100,000
582-000-665.013	Interest Earnings - Imp & Add	36,632	350,000	222,104	444,207	350,000
582-000-668.000	Rent	6,900	1,200	600	1,200	1,200
582-000-673.000	Sale of Fixed Assets	27,500	20,000	-	-	-
		4,315,589	971,200	924,609	1,849,216	951,200
		-	-	-	-	-
CONTRIBUTED CAPITAL						
582-000-674.000	Capital Contributions	68,241	360,000	40,152	60,000	320,000
		68,241	360,000	40,152	60,000	320,000
OTHER EXPENSES						
582-965-999.101	Transfers Out - 101	506,370	507,712	253,856	507,712	530,564
582-965-999.650	Transfers Out - Information Technology	37,500	-	-	-	-
		543,870	507,712	253,856	507,712	530,564
NET INCOME (LOSS)		4,888,401	(336,854)	730,515	2,392,152	748,103
TOTAL CAPITAL ASSETS		28,093,266	33,133,266	28,093,266	32,593,266	35,488,766
NET INCOME (LOSS)		4,888,401	(336,854)	730,515	2,392,152	748,103
DEPRECIATION		2,374,940	2,300,000	1,293,398	2,586,796	2,229,319
CAPITAL PROJECTS		3,784,095	7,240,000	2,207,389	6,900,000	5,395,500
DEBT PRINCIPAL		-	-	-	-	-
TRANSFERS TO MPIA		770,000	770,000	770,000	770,000	-
FUTURE ESTIMATED CASH AND INVESTMENTS BALANCE		28,460,532	22,413,678		25,769,480	23,351,402
(ASSUMING ONLY USE OF INCOME IS CAPITAL PROJECTS, TRANSFERS TO MPIA, AND DEBT PRINCIPLE)						

ZEELAND BOARD OF PUBLIC WORKS WATER UTILITY

FUND 591

	FY 20-21	FY 21-22	FY 21-22	FY 22-23	% Change
Financial Summary	Actual	Budget	Projected	Budget	From FY 21-22
Personnel Services	\$ 683,469	\$ 707,242	\$ 608,830	\$ 884,929	
Less Capitalized Labor	(16,175)	(7,350)	(46,173)	(33,886)	
Operating Costs	2,990,168	3,298,399	3,273,024	3,868,397	
Capital Outlay	925,598	1,971,000	925,598	3,523,500	
Transfers Out	12,500	-	-	-	
Debt Principal	-	-	-	-	
Total	\$ 4,595,560	\$ 5,969,291	\$ 4,761,279	\$ 8,242,940	38.09%
Personnel Summary	Budget		Budget		
Full Time Positions		5.23		7.42	
Part Time Positions		0.55		0.68	
Full-Time Equivalents		5.78		8.10	40.14%

This fund accounts for the activities of the Zeeland Board of Public Works Water Utility. Budgeted operating expenses are expected to breakdown as follows:



Water Operations, Revenues & Rates:

FY2023 overall water usage and revenues are projected to remain flat in comparison to FY2022. *No base rate increases are proposed within the FY2023 budget.*

Operating Expenses:

The budget reflects increases in Source of Supply costs totaling \$419,000 attributable to Holland water contract cost increases passed through from FY2022 including: Capacity Reservation (\$371,000), chemical costs (\$35,000), and electricity costs (\$13,000). A portion of these costs will be recovered through revenues received from BPW's two wholesale water contract customers, consistent with the terms of these contracts. Personnel Services reflects increases due to anticipated annual wage adjustments and the addition of two (2) new positions – Water Service Technician and Water Service Worker. A proportionate share of the Buildings and Grounds Personnel Services has been added to the Water Utility budget for FY2023 where this expense had previously been allocated in total to the Electric Utility. The Water Department FY2023 operating budget includes funding transfers to the City of Zeeland for IT-related expenditures to be managed by the newly formed Information Technology Department.

**Income:**

Operating income generated under this budget is projected to result in a **6.25** percent return on fixed assets. The Water utility is debt-free. Projected revenues are adequate to fund capital improvements for FY2023.

Capital Improvements:

FY2023 Water Department capital improvements are planned at a total spending level of \$3,523,000 as outlined in the proposed 6-year Capital Improvement Program. The capital program includes funding to coordinate water main replacements with anticipated street projects (Main Ave. – resurfacing, Maple St. – Main Ave. to Washington Ave.) and annual meter replacements. A substantial increase in the capital plan is being proposed for annual lead service replacements with 150 service line replacements planned for FY2023 and 200 service line replacements in each of the following four (4) fiscal years. This should eliminate any remaining lead service lines from the ZBPW distribution system well in advance of the required deadline stipulated by the Michigan Dept. of EGLE. The capital plan also includes the purchase of a large portable generator for use at either Washington Pump Station or Carlton Pump Station; tank painting and restoration of the Carlton St. tank; restoration work on the Zeeland Generating 5MG reservoir; paving of the 80th St. tank driveway; and flowable fill of the 20-inch transmission main along Lakewood Blvd./Douglas Ave. The capital plan also includes continuation of the Water Utility Advanced Metering Infrastructure (AMI) program assuming the successful implementation of the AMI pilot program which began in FY2022.

The Facilities Capital Improvement Plan includes funding for a restroom at Washington Pump Station (carried over from FY2022); repair or replacement of the roof at Washington Pump Station; office remodeling/renovation, and funding contributions in partnership with the Electric Department for property procurements.

The Technology Capital Plan includes funding for SCADA segregation and funding contributions for IT Services and evaluation of replacement options for the utility billing system (25% allocated to Water).



Operational Data:

The following provides some operational data for the water utility (FY2021 data):

FY2022 Expected Sales Volume: 2.3 billion gallons

Storage Capacity:

Elevated 2.0 million gallons

Ground 7.5 million gallons

9.5 million gallons

BPW Pumping Capacity 17.3 MGD

Miles of Water Main:

Transmission & Distribution 56 miles

FY2023 Expected Peak System Demand 10.5 MGD

Approximate Service Area 7.1 square miles

Number of Customers by Classification:

Residential 2,344

Commercial/Industrial 475

Contractual 2

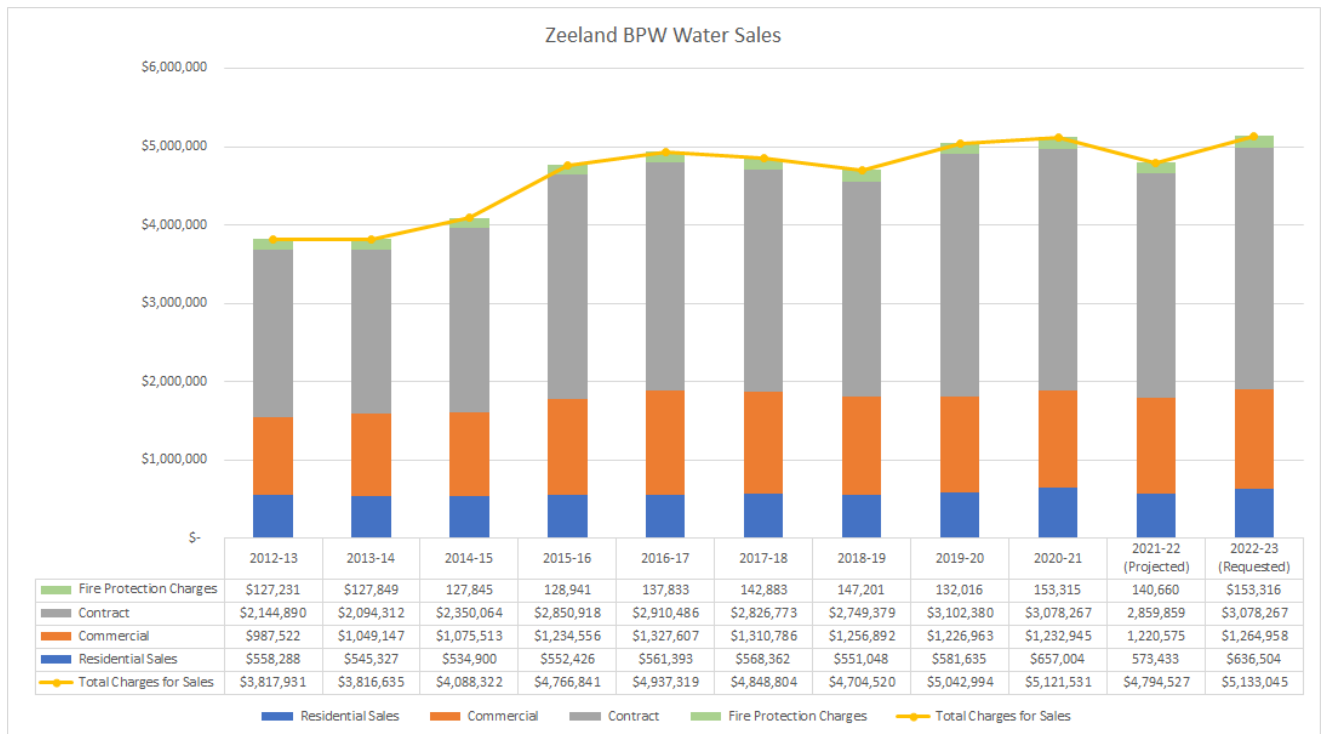
Fire Protection 122

2,943

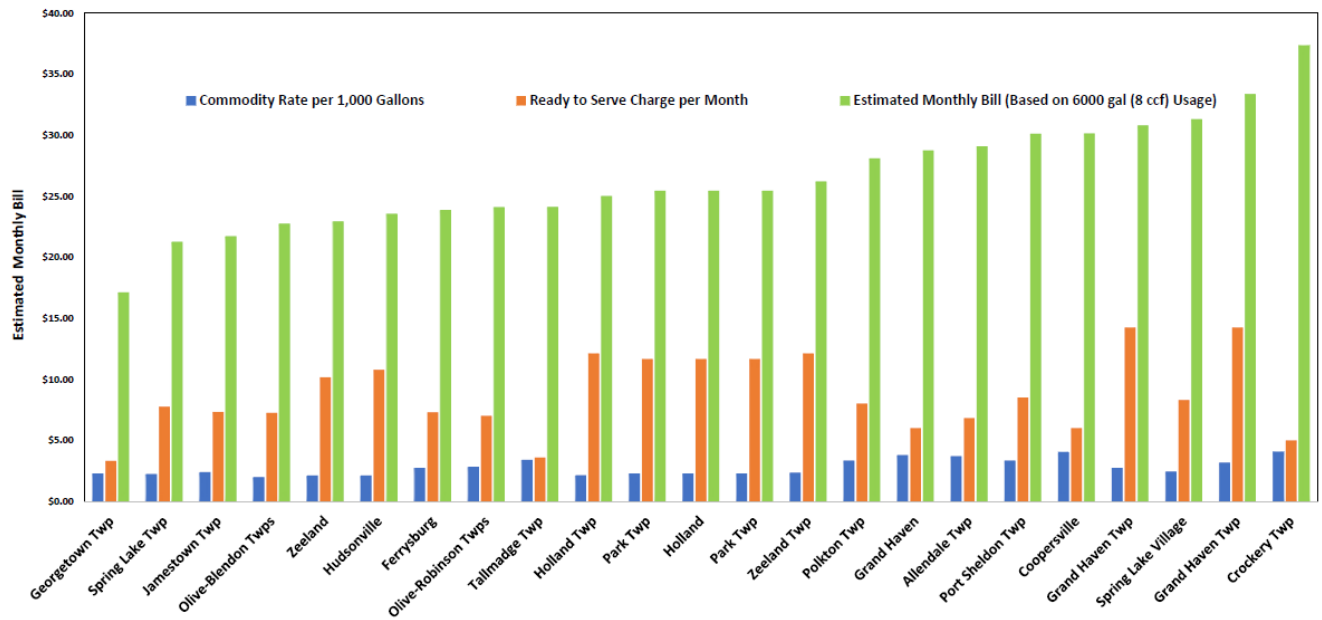
Percentage by Customer Location:

Within City of Zeeland 70.1%

Outside City of Zeeland 29.9%



2021 OTTAWA COUNTY WATER RATE SURVEY



BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 591: WATER UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
ESTIMATED REVENUES						
CHARGES FOR SERVICE						
591-000-646.000	Utility Sales - Residential	657,004	573,453	356,720	573,433	636,504
591-000-647.000	Utility Sales - Commercial	1,232,945	1,220,575	718,268	1,220,575	1,264,958
591-000-647.001	Industrial Sales - Contractual	3,078,267	2,859,859	1,690,987	2,859,859	3,078,267
591-000-650.000	Fire Protection Charges	153,315	140,660	76,658	140,660	153,316
	CHARGES FOR SERVICE	5,121,531	4,794,547	2,842,633	4,794,527	5,133,045
591-000-445.000	Interest/Penalties on Sales	5,412	2,500	6,179	7,000	7,500
591-000-689.000	New Service Fee	1,772	2,000	145	290	2,000
591-000-693.000	Scrap Revenue	-	250	-	-	250
591-000-694.000	Other Revenue	19,642	7,500	3,992	7,987	7,500
		26,825	12,250	10,316	15,277	17,250
TOTAL OPERATING REVENUE		5,148,357	4,806,797	2,852,949	4,809,804	5,150,295

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 591: WATER UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
APPROPRIATIONS						
Dept 534: SOURCE OF SUPPLY						
591-534-746.000	Water	1,848,744	1,887,956	985,912	1,971,824	2,307,442
Totals for Dept 534-SOURCE OF SUPPLY		1,848,744	1,887,956	985,912	1,971,824	2,307,442
Dept 535: PUMPING						
Personnel Services						
591-535-702.001	Wages/Full-Time Operating	46,640	45,137	22,490	44,980	75,969
591-535-703.001	Wages/Part-Time Operating	5,099	3,647	2,297	4,594	3,792
591-535-710.000	Wages/Longevity Pay	750	750	750	1,500	750
591-535-715.000	Employer FICA Contributions	3,847	4,580	1,869	3,737	6,972
591-535-716.000	Employee Insurances	7,637	8,580	3,240	6,480	18,590
591-535-716.001	Retirees Health Insurance - OPEB	1,246	-	-	-	-
591-535-716.002	HSA/City Contributions	753	1,000	-	-	-
591-535-717.001	Employee Retirement - DC	3,791	4,498	1,859	3,718	6,987
591-535-718.000	Workers Comp Insurance	896	1,934	746	1,492	3,027
591-535-719.000	Life & Accidental Insurance	193	320	84	169	498
591-535-721.000	Long Term Disability	126	137	61	121	212
591-535-722.000	Retiree Health Savings Plan	936	1,158	437	874	2,186
		71,916	71,741	33,833	67,665	118,983
Supplies						
591-535-776.000	Building Maintenance Supplies	3,459	3,000	653	1,307	-
591-535-778.000	Equipment Maintenance Supplies	1,751	3,500	217	434	-
		5,210	6,500	870	1,741	-
Professional & Contractual Services						
591-535-820.000	Contractual Services - Other	6,766	20,000	24,861	49,722	40,000
591-535-920.000	Utilities	147,087	170,000	80,070	160,140	180,000
591-535-931.000	Building Maintenance	907	1,200	606	1,212	1,800
591-535-933.000	Equipment Maintenance	13,553	7,000	735	1,470	14,000
		168,313	198,200	106,272	212,544	235,800
Totals for Dept 535-PUMPING		245,438	276,441	140,976	281,950	354,783

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 591: WATER UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 538: TRANSMISSION AND DISTRIBUTION						
Personnel Services						
591-538-702.002	Wages/Full-Time Maintenance	145,462	152,646	66,088	132,176	242,347
591-538-703.002	Wages/Part-Time Maintenance	23,545	24,000	8,482	16,964	5,688
591-538-704.002	Wages/Overtime Maintenance	28,252	30,000	16,690	33,381	16,786
591-538-707.000	Wages/On-Call	23,646	23,956	11,408	22,816	24,381
591-538-708.000	Cash in Lieu of Insurance	77	-	-	-	-
591-538-710.000	Wages/Longevity Pay	2,250	2,250	2,250	4,500	2,250
591-538-711.000	Capitalized Wages	(4,794)	(3,100)	(7,135)	(14,270)	(9,598)
591-538-712.000	Capitalized Benefits	(2,397)	(1,550)	(3,567)	(7,135)	(4,797)
591-538-715.000	Employer FICA Contributions	16,393	15,281	7,690	15,380	21,529
591-538-716.000	Employee Insurances	31,972	28,171	13,439	26,879	57,629
591-538-716.001	Retirees Health Insurance - OPEB	6,231	-	-	-	-
591-538-716.002	HSA/City Contributions	3,243	2,940	-	-	-
591-538-717.001	Employee Retirement - DC	15,969	14,822	7,715	15,430	22,059
591-538-718.000	Workers Comp Insurance	2,942	6,346	3,296	6,591	9,348
591-538-719.000	Life & Accidental Insurance	808	1,056	340	680	1,571
591-538-721.000	Long Term Disability	393	450	178	357	670
591-538-722.000	Retiree Health Savings Plan	3,924	3,801	1,813	3,627	6,777
		297,915	301,068	128,688	257,376	396,640
Supplies						
591-538-734.000	Safety Supplies	1,774	6,000	498	995	6,360
591-538-751.000	Gasoline	2,117	2,759	1,595	3,189	3,400
591-538-757.000	Other Operating Supplies	1,823	2,300	2,089	4,179	2,438
591-538-766.000	Tools	4,464	6,000	3,656	7,313	6,360
591-538-768.000	Uniforms & Cleaning	1,611	1,500	620	1,240	1,590
591-538-776.000	Building Maintenance Supplies	7,970	2,600	4,574	9,148	8,000
591-538-778.000	Equipment Maintenance Supplies	19,004	8,000	24,315	48,630	25,000
591-538-778.001	Vehicle Supplies	2,131	2,100	399	797	2,226
		40,894	31,259	37,746	75,491	55,374
Professional & Contractual Services						
591-538-816.000	Consulting Engineers	1,248	6,000	-	-	6,000
591-538-820.000	Contractual Services - Other	38,807	70,000	4,277	8,554	70,000
591-538-850.000	Communications	6,624	8,000	1,494	2,988	-
591-538-920.000	Utilities	5,428	5,665	327	653	2,500
591-538-933.000	Equipment Maintenance	850	2,575	5,331	10,662	6,000
591-538-940.001	Warehouse Rental	3,083	5,000	2,175	4,350	5,000
		56,040	97,240	13,604	27,207	89,500
Totals for Dept 538-TRANS. AND DISTR.		394,849	429,567	180,038	360,074	541,514

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 591: WATER UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 546: ACCOUNTING						
Personnel Services						
591-546-702.001	Wages/Full-Time Operating	88,502	102,558	47,249	94,498	108,816
591-546-703.001	Wages/Part-Time Operating	3,688	5,076	27	53	12,515
591-546-704.001	Wages/Overtime Operating	277	5,937	530	1,061	3,466
591-546-710.000	Wages/Longevity Pay	1,179	1,033	1,033	2,065	878
591-546-713.000	Performance Incentive	126	166	-	-	159
591-546-715.000	Employer FICA Contributions	6,921	8,453	3,579	7,158	9,581
591-546-716.000	Employee Insurances	21,220	23,738	11,000	22,000	28,054
591-546-716.001	Retirees Health Insurance - OPEB	8,287	-	-	-	-
591-546-716.002	HSA/City Contributions	885	1,108	-	-	-
591-546-717.000	Employee Retirement - DB	(2,105)	1,376	622	1,243	1,417
591-546-717.001	Employee Retirement - DC	6,474	8,435	2,993	5,986	8,720
591-546-718.000	Workers Comp Insurance	323	729	356	712	1,250
591-546-719.000	Life & Accidental Insurance	441	621	224	449	642
591-546-721.000	Long Term Disability	237	265	128	255	274
591-546-722.000	Retiree Health Savings Plan	1,617	2,489	868	1,736	3,180
		138,071	161,984	68,608	137,216	178,952
Supplies						
591-546-729.000	Postage	7,625	9,000	3,761	7,523	6,000
591-546-730.000	General Office Supplies	459	750	50	99	667
591-546-730.001	Computer Supplies	1,006	-	59	117	-
591-546-751.000	Gasoline	172	200	139	278	167
591-546-768.000	Uniforms & Cleaning	-	-	7	14	167
591-546-778.000	Equipment Maintenance Supplies	97	200	34	68	167
		9,359	10,150	4,050	8,099	7,168
Professional & Contractual Services						
591-546-808.000	Independent Audit	4,825	5,000	2,747	5,494	5,000
591-546-820.000	Contractual Services - Other	29,816	19,348	14,259	28,519	11,667
591-546-850.000	Communications	54	-	274	548	-
591-546-861.000	Travel & Training	424	-	395	791	3,333
591-546-933.000	Equipment Maintenance	-	100	178	355	1,500
591-546-940.000	Rentals	600	600	300	600	167
591-546-956.000	Miscellaneous	482	400	192	384	167
		36,201	25,448	18,345	36,691	21,834
Totals for Dept 546-ACCOUNTING		183,631	197,582	91,003	182,006	207,954

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 591: WATER UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 547: ADMINISTRATION						
Personnel Services						
591-547-702.001	Wages/Full-Time Operating	115,995	128,888	47,727	95,453	100,442
591-547-703.001	Wages/Part-Time Operating	5,402	2,250	-	-	2,272
591-547-703.002	Wages/Part-Time Maintenance	1,996	948	130	259	-
591-547-704.001	Wages/Overtime Operating	-	-	76	152	-
591-547-706.000	Car Allowance	1,204	1,150	563	1,127	1,500
591-547-711.000	Capitalized Wages	(5,989)	(1,800)	(8,256)	(16,512)	(12,994)
591-547-712.000	Capitalized Benefits	(2,995)	(900)	(4,128)	(8,256)	(6,497)
591-547-715.000	Employer FICA Contributions	8,848	7,633	3,206	6,413	7,858
591-547-716.000	Employee Insurances	16,040	14,300	4,771	9,543	16,900
591-547-716.001	Retirees Health Insurance - OPEB	4,985	-	-	-	-
591-547-716.002	HSA/City Contributions	156	250	-	-	-
591-547-717.001	Employee Retirement - DC	9,386	7,726	3,874	7,748	8,035
591-547-718.000	Workers Comp Insurance	1,246	1,939	946	1,893	2,022
591-547-719.000	Life & Accidental Insurance	593	550	235	471	572
591-547-721.000	Long Term Disability	317	235	131	261	244
591-547-722.000	Retiree Health Savings Plan	2,208	1,929	924	1,848	1,987
		159,393	165,098	50,200	100,400	122,341
Supplies						
591-547-729.000	Postage	1,843	2,087	227	454	3,000
591-547-730.000	General Office Supplies	4,204	4,600	526	1,051	4,600
591-547-730.001	Computer Supplies	2,633	5,711	1,410	2,821	5,800
591-547-734.000	Safety Supplies	1,278	2,000	-	-	5,800
591-547-751.000	Gasoline	489	400	226	452	400
591-547-768.000	Uniforms & Cleaning	-	-	279	558	1,200
591-547-779.000	Other Repair & Maint. Supplies	2,214	2,500	524	1,049	2,500
		12,661	17,298	3,192	6,385	23,300
Professional & Contractual Services						
591-547-814.000	Computer Services	50,827	23,500	8,085	16,170	-
591-547-814.101	Computer Services - Internal, Fixed Fee	-	36,000	18,000	36,000	53,000
591-547-814.102	Computer Services - Internal, Billable	-	16,000	6,810	13,620	43,000
591-547-814.103	Computer Services - Capital	-	50,000	-	-	20,000
591-547-819.000	Safety Services	7,667	11,000	349	698	11,000
591-547-820.000	Contractual Services - Other	17,816	30,000	4,875	9,749	65,000
591-547-820.008	Credit Card Fees	796	-	6,364	12,728	12,000
591-547-826.000	Legal Fees	427	2,575	917	1,833	2,600
591-547-828.000	Memberships & Subscriptions	1,878	2,158	4,218	8,436	11,000
591-547-850.000	Communications	6,823	5,465	4,259	8,518	7,000
591-547-861.000	Travel & Training	7,924	25,000	4,710	9,421	30,000
591-547-880.000	Community Promotion	3,051	6,000	2,047	4,094	6,250
591-547-890.000	Community Contr./Projects	2,057	6,250	-	-	15,000
591-547-900.000	Printing & Publishing	2,862	3,000	2,397	4,794	2,000
591-547-920.000	Utilities	3,992	4,000	1,717	3,434	4,000
591-547-931.000	Building Maintenance	10,717	6,800	6,132	12,264	6,800
591-547-933.000	Equipment Maintenance	5,081	15,000	1,665	3,331	15,000
591-547-940.001	Office Rental	3,486	4,200	-	-	4,200
591-547-955.000	Internal Meetings	938	600	235	470	375
591-547-955.001	Employee Appreciation	-	-	-	-	2,000
591-547-956.000	Miscellaneous	5,316	6,200	1,035	2,070	6,200
591-547-956.003	Uncollectible Sales	79	300	-	-	300
		131,736	254,048	73,815	147,630	316,725
Totals for Dept 547-ADMINISTRATION		303,790	436,444	127,207	254,415	462,366

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 591: WATER UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
Dept 571: BUILDINGS & GROUNDS						
Personnel Services						
591-571-702.000	Wages/Full-Time	-	-	-	-	18,469
591-571-703.000	Wages/Part-Time	-	-	-	-	6,859
591-571-715.000	Employer FICA Contributions	-	-	-	-	1,938
591-571-716.000	Employee Insurances	-	-	-	-	4,225
591-571-717.001	Employee Retirement - DC	-	-	-	-	1,478
591-571-718.000	Workers Comp Insurance	-	-	-	-	511
591-571-719.000	Life & Accidental Insurance	-	-	-	-	105
591-571-721.000	Long Term Disability	-	-	-	-	45
591-571-722.000	Retiree Health Savings Plan	-	-	-	-	497
		-	-	-	-	34,127
Supplies						
591-571-734.000	Safety Supplies	-	-	-	-	1,000
591-571-751.000	Gasoline	-	-	-	-	500
591-571-757.000	Other Operating Supplies	-	-	-	-	1,100
591-571-766.000	Tools	-	-	-	-	2,500
591-571-768.000	Uniforms & Cleaning	-	-	-	-	500
591-571-776.000	Building Maintenance Supplies	-	-	-	-	4,375
591-571-778.000	Equipment Maintenance Supplies	-	-	-	-	435
591-571-778.001	Vehicle Supplies	-	-	130	260	500
		-	-	130	260	10,910
Professional & Contracted Services						
591-571-820.000	Contractual Services - Other	-	-	18	36	15,000
591-571-920.000	Utilities	-	-	12	24	15,000
591-571-931.000	Building Maintenance	-	-	219	438	15,972
591-571-933.000	Equipment Maintenance	-	-	39	78	5,000
		-	-	288	576	50,972
Totals for Dept 534-SOURCE OF SUPPLY						
		-	-	418	836	96,009
Dept 851: INSURANCE & BONDS						
591-851-910.000	Insurance and Bonds	42,594	40,000	20,000	40,000	43,872
Totals for Dept 851-INSURANCE, BONDS, & FRINGES		42,594	40,000	20,000	40,000	43,872
Dept 852: UNALLOCATED FRINGE BENEFITS						
591-852-956.000	Miscellaneous Fringe Benefits	257	300	288	576	500
Totals for Dept 852-UNALLOCATED FRINGE BENEFITS		257	300	288	576	500
Dept 890: CONTINGENCIES						
591-890-956.000	Contingencies	-	40,000	-	-	60,000
Totals for Dept 890-CONTINGENCIES		-	40,000	-	-	60,000
OPERATING EXPENSES BEFORE DEPRECIATION						
		3,019,304	3,308,290	1,545,842	3,091,681	4,074,440
OPERATING INCOME BEFORE DEPRECIATION						
		2,129,053	1,498,507	1,307,107	1,718,123	1,075,855
Dept 550: DEPRECIATION						
591-550-968.000	Depreciation	634,791	690,000	372,000	744,000	645,000
Totals for Dept 550-DEPRECIATION		634,791	690,000	372,000	744,000	645,000
OPERATING INCOME						
		1,494,261	808,507	935,107	974,123	430,855

BUDGET WORKSHEET FOR CITY OF ZEELAND

Fund 591: WATER UTILITY FUND
2022-2023 FISCAL YEAR

GL NUMBER	DESCRIPTION	2020-21 ACTIVITY	2021-22 AMENDED BUDGET	2021-22 ACTIVITY 12/31/2021	2021-22 PROJECTED ACTIVITY	2022-23 REQUESTED BUDGET
NON-OPERATING INCOME						
591-000-665.013	Interest Earnings - Imp & Add	30,859	50,000	114,473	228,947	55,000
591-000-668.000	Rents	90,570	90,000	27,951	55,902	90,000
		121,429	140,000	142,424	284,849	145,000
NON-OPERATING EXPENSES						
591-905-995.000	Debt Service Interest	3,242	-	-	-	-
591-905-998.000	Debt Service Paying Agent Fees	125	-	-	-	-
		3,367	-	-	-	-
CONTRIBUTED CAPITAL						
591-000-674.000	Capital Contributions	67,640	50,000	40,239	80,478	50,000
		67,640	50,000	40,239	80,478	50,000
OTHER EXPENSES						
591-965-999.650	Transfers Out - Information Technology	12,500	-	-	-	-
		12,500	-	-	-	-
NET INCOME (LOSS)		1,667,463	998,507	1,117,770	1,339,450	625,855
TOTAL CAPITAL ASSETS		15,318,108	16,654,106	15,318,106	15,608,704	18,482,204
	Operating Income/Total Capital Assets		4.9%	6.1%	6.2%	2.3%
NET INCOME (LOSS)		1,667,463	998,507	1,117,770	1,339,450	625,855
DEPRECIATION		634,791	690,000	372,000	744,000	645,000
CAPITAL PROJECTS		925,598	1,971,000	925,598	925,598	3,523,500
DEBT PRINCIPAL		-	-	-	-	-
FUTURE ESTIMATED CASH AND INVESTMENTS BALANCE (ASSUMING ONLY USE OF INCOME IS CAPITAL PROJECTS AND DEBT PRIN)		13,115,966	12,833,473		14,273,818	12,021,173

**CITY OF ZEELAND
CAPITAL IMPROVEMENT PROGRAM**

**ELECTRIC UTILITY TYPE IMPROVEMENTS
FY 2023 – 2028**

PROJECT DESCRIPTIONS:

DISTRIBUTION SYSTEM IMPROVEMENTS AND EXTENSIONS: A multi-year schedule to construct necessary distribution system improvements, modifications, and extensions (including those improvements associated with street construction) for the purpose of servicing current and new electric customers:

Major FY2023 Projects include:

- A. Underground electric distribution to serve new subdivisions
- B. Install new underground fed 2,400kVAR capacitor bank (GRP #203)
- C. City Street Project Upgrades – Main Ave.
- D. Construct new distribution circuit PE6 (GRP #302)
- E. Replace underground distribution Roosevelt Ave & State St (GRP #204)
- F. Construct new FV8 – NRC3 circuit (GRP #205) (dependent on need)
- G. Underground electric distribution to NANR building

Major FY2024 Projects include:

- A. Underground electric distribution to serve new subdivisions
- B. Install new underground fed 2,400kVAR capacitor bank (GRP #303)
- C. City Street Project Upgrades - Taft
- D. Construct new circuit NS1 to serve Gentex NRC (GRP #402)
- E. Replace underground Howard Miller metering and SKLD feeders (GRP #304)
- F. Underground electric distribution on Riley from 88th to 8th Street

Major FY2025 Projects include:

- A. Underground electric distribution to serve new subdivisions
- B. City Street Project Upgrades – Church Street
- C. Construct new circuit NS2 substation exit Gentex NRC4 (GRP #501)
- D. Construct new circuit NS4 substation exit (RY4 System/Gentex) (GRP #502)
- E. Replace underground distribution in Maple Valley Estates (GRP #403)

Major FY2026 Projects include:

- A. Underground electric distribution to serve new subdivisions
- B. City Street Project Upgrades - TBD
- C. New Northside Sub 3 Distribution (Gentex)

Major FY2027 Projects include:

- A. Underground electric distribution to serve new subdivisions
- B. City Street Project Upgrades - TBD

Major FY2028 Projects include:

- A. Underground electric distribution to serve new subdivisions
- B. City Street Project Upgrades - TBD

SUBSTATION IMPROVEMENTS: A multi-year schedule for the maintenance, construction, or modification of substation facilities in order to reliably supply BPW electric system customers:

Major FY2023 Projects include:

- A. Move Fairview transformer to Riley, new transformer at Fairview (GRP #301)
- B. Riley Transformer 3 Re-Gasketing

Major FY2024 Projects include:

- A. Move Fairview transformer to Riley, new transformer at Fairview (GRP #301)
- B. New Northside Substation and circuit exits (GRP #401)

Major FY2025 Projects include:

- A. Fairview 69kV Breaker Replacement

Major FY2026 Projects include:

- A. Riley 69kV Breaker Replacement

**CITY OF ZEELAND
CAPITAL IMPROVEMENT PROGRAM**

**ELECTRIC UTILITY TYPE IMPROVEMENTS
FY 2023 – 2028**

GENERATION SYSTEM IMPROVEMENTS: A multi-year schedule for the overhauling of engines and electrical generating equipment modifications and improvements in order to maintain reliable electric generation capacity for the system:

Major FY2023 Projects include:

- A. Generation Facilities Fire and Gas Detection System
- B. Replace Diesel Fuel Piping to Power Plant
- C. New Generation Capacity – Assessment / Pre-Engineering

Major FY2024 Projects include:

- A. New Generation Capacity - Construction

Major FY2025 Projects include:

- A. Power Plant Meeting Space / Situation Room Construction
- B. Riley Generation Controls Upgrade
- C. Power Plant General Cooling System Controls Upgrade

Major FY2026 Projects include:

- A. Replace Two Power Plant Station Power Transformers

Major FY2027 Projects include:

- A. Replace Power Plant Station Power Switching Cabinet
- B. New Generation Capacity

Major FY2028 Projects include:

- A. New Generation Capacity

VEHICLE ACQUISITIONS: Plans for the purchase of necessary electric department vehicles for operational purposes:

FY2023 Acquisitions include:

- A. Replace Pickup Truck #539

FY2024 Acquisitions include:

- A. Replace Bucket Truck #542
- B. Replace Pickup Truck #545

FY2025 Acquisitions include:

- A. Replace Pickup Truck #550
- B. Replace Hybrid Car #543

FY2026 Acquisitions include:

- A. Replace Digger Derrick #547
- B. Replace Pickup Truck #549

FY2027 Acquisitions include:

- A. Replace Service Truck #558
- B. Replace Pickup Truck #554

FY2028 Acquisitions include:

- A. Replace Pickup Truck #556

TECHNOLOGY IMPROVEMENTS: Office computers, computer upgrades and replacements, computer peripheral device and related upgrades, office equipment, security and communications devices and related upgrades, and SCADA system equipment:

Major FY2023 Projects include:

- A. Replace Utility Billing Software (75%) - Evaluation

Major FY2024 Projects include:

- A. Upgrade SCADA System Network Switches
- B. Replace Utility Billing Software (75%) – Implementation

Major FY2025 Projects include:

- A. Upgrade SCADA System Servers, Clients and Associated Equipment

Major FY2026 Projects include:

- A. SCADA System Simulation Software

**CITY OF ZEELAND
CAPITAL IMPROVEMENT PROGRAM**

**ELECTRIC UTILITY TYPE IMPROVEMENTS
FY 2023 – 2028**

BUILDING IMPROVEMENTS: Construction of new or remodeling of facilities, roofing repair or replacement, physical security, and other improvements of a significant nature that will extend the life of facilities:

Major FY2023 Projects include:

- A. Physical Security – Camera / DVR Updates
- B. Diesel Pump House Upgrades
- C. Property Procurements

Major FY2024 Projects include:

- A. Physical Security – Camera / DVR Updates
- B. Office Remodel / Renovations

Major FY2025 Projects include:

- A. Physical Security – DVR Server Upgrade, Camera Updates
- B. Repave Perry Substation Drive
- C. Replace Riley Generating Station UPS

Major FY2026 Projects include:

- A. Physical Security – Camera / DVR Updates
- B. Repave Riley Substation Drive
- C. Replace Roof at West Washington Generating Station

Major FY2027 Projects include:

- A. Physical Security – Camera / DVR Updates
- B. Replace Roof at Riley Generating Station

Major FY2028 Projects include:

- A. Physical Security – Camera / DVR Update

**CITY OF ZEELAND
2022-23 FISCAL YEAR BUDGET
CAPITAL IMPROVEMENT PROGRAM**

**TRANSMISSION & DISTRIBUTION
ELECTRIC UTILITY TYPE IMPROVEMENTS**

PROJECT TITLE	Estimated	6-Year Plan					
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
<u>Transmission System Improvements</u>							
Riley - Blendon Line Dampering Installation		150,000					
Sub-Total Transmission Sys. Impr.	-	150,000	-	-	-	-	-
<u>Distribution System Improvements and Ext.</u>							
Poles and Overhead Conductors	20,000	20,000	20,000	25,000	25,000	25,000	25,000
Transformers	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Underground Conductors - 3 new subdivisions	500,000	500,000	500,000	400,000	400,000	400,000	400,000
Services	60,000	50,000	50,000	50,000	50,000	50,000	50,000
U/G Capacitors (GRP #'s 104, 203, 303)	270,000	290,000	290,000				
Perry 5 Distribution (GRP #202)	550,000						
Perry 6 Distribution (GRP #302)		745,000					
Northside Sub 1 Distribution (Gentex NRC3, GRP #402)			300,000				
Northside Sub 2 Distribution (Gentex NRC4, GRP #501)				200,000			
Northside Sub 3 Distribution (Gentex)					200,000		
Northside Sub 4 Distribution (RY4 System / Gentex) (GRP #502)				475,000			
City St Projects - Alice/Plainfield FY 22, Main FY 23, Taft FY24, Church FY25	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Gentex FV8 Circuit - NRC3 on hold until CY 2023 or 2024 (GRP #205)		260,000					
W2 Animal Protection (GRP #103)	80,000						
Replace U/G Roosevelt/ State (Creekside Apts) (GRP #204)		325,000					
Replace U/G Howard Miller Metering & SKLD Feeds (GRP #304)			120,000				
Replace U/G Maple Valley Estates (GRP #403)				515,000			
U/G to Greystone (GRP #206)	110,000						
U/G Riley St. 88th to 80th			800,000				
U/G to New NANR Building		160,000					
Sub-Total Distribution Sys. Impr.	2,090,000	2,850,000	2,580,000	2,165,000	1,175,000	975,000	975,000
<u>Substation Improvements</u>							
Substation Improvements/Additions General	50,000	60,000	60,000	60,000	60,000	60,000	60,000
Perry Sub Transformer Addition, Move FV Transf (GRP #101)	700,000						
Northside Sub and Exits (GRP #401)			3,660,000				
Move Fairview Trfs to Riley, New Transformer at Fairview (GRP #301)		1,500,000	1,500,000				
Second Riley 138 / 69kV Transformer - after moving old to FV (GRP #201)	1,485,000						
Riley T3 Re-Gasketing		50,000					
Fairview 69 Breaker Replacement				250,000			
Riley 69 Breaker Replacement					250,000		
Perry and Riley Substation Battery replacement	50,000						
Sub-Total Substation Equipment Impr.	2,285,000	1,610,000	5,220,000	310,000	310,000	60,000	60,000
<u>Vehicle Additions/Improvements</u>							
Vehicle - Heavy	160,000		290,000		250,000	200,000	
Vehicle - Light	30,000	35,000	35,000	35,000	35,000	40,000	40,000
Vehicle - Trailer							
Sub-Total Vehicle Acquisition	190,000	35,000	325,000	35,000	285,000	240,000	40,000
<u>Technology Improvements</u>							
Technology Improvements - General	10,000	10,000	10,000	10,000	10,000	10,000	10,000
System Analysis Software	30,000						
Advanced Metering Infrastructure	1,200,000						
Replace Utility Billing Software (75%) - evaluation FY23, implementation FY24		75,000	300,000				
Sub-Total Technology	1,240,000	85,000	310,000	10,000	10,000	10,000	10,000
TOTAL CAPITAL EXPENDITURES	5,805,000	4,730,000	8,435,000	2,520,000	1,780,000	1,285,000	1,085,000

SOURCE OF FUNDS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Electric Revenue Bonds							
Contribution in Aid of Construction	320,000	320,000	60,000	60,000	60,000	60,000	60,000
Grants							
Replacement Reserves -- Imp. And Additions	5,485,000	4,410,000	8,375,000	2,460,000	1,720,000	1,225,000	1,025,000
TOTAL SOURCE OF FUNDS	5,805,000	4,730,000	8,435,000	2,520,000	1,780,000	1,285,000	1,085,000

CITY OF ZEELAND
2022-23 FISCAL YEAR BUDGET
CAPITAL IMPROVEMENT PROGRAM

GENERATION & FACILITIES
ELECTRIC UTILITY TYPE IMPROVEMENTS

PROJECT TITLE	Estimated	6-Year Plan					
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
<u>Generation System Improvements</u>							
Generation Equipment Improvements General	100,000	70,000	75,000	75,000	75,000	75,000	75,000
Control Room Upgrade	190,000						
Power Plant Meeting Space / Conference Room				50,000			
Replace Diesel Fuel Tanks at Power Plant	450,000						
Replace Diesel Fuel Piping to Power Plant		30,000					
Unit #11 Exhaust Manifold Repair	43,321						
Unit #2 Vertical Drive & Blower Rebuild	76,000						
Generation Facilities - Fire & Gas Detection System	75,000	100,000					
Repair / Replace Units #9-#11 Mufflers	310,000						
Upgrade Controls at Washington Pump Station Gen	145,000						
Replace Two Power Plant Station Power Transformers					250,000		
Power Plant Station Power Switching Cabinet Replacement						250,000	
Upgrade Controls at Riley Generation				150,000			
Power Plant General Cooling System Controls Upgrade				25,000			
New Generation Capacity		150,000	14,000,000			500,000	500,000
Sub-Total Generation Equipment Impr.	1,389,321	350,000	14,075,000	300,000	325,000	825,000	575,000
<u>Vehicle Additions/Improvements</u>							
Vehicle - Light truck	15,000			35,000			
Lawn Tractor - Facilities				5,000			
Sub-Total Vehicle Acquisition	15,000	-	-	40,000	-	-	-
<u>Technology Improvements</u>							
Technology Improvements - Power Production	3,500	5,000	2,000	2,000	2,000	2,500	2,500
SCADA System Updates	10,000	13,000	35,000	40,000	5,000	5,000	5,000
SCADA Simulator / Development Software					40,000		
Sub-Total Technology	13,500	18,000	37,000	42,000	47,000	7,500	7,500
<u>Facilities</u>							
Building Improvements- General	45,000	70,000	50,000	45,000	45,000	45,000	45,000
Facilities Access Control	100,000						
Physical Security - Camera / DVR Updates	12,088	15,000	13,000	15,000	5,000	15,000	5,000
Power Plant - Recoat Roof & Replace Pumphouse Roof							
Power Plant Fire Reconstruction (Non-Insurance)	25,046						
Diesel Pump House Upgrades		25,000					
Office Remodel & Renovations	75,000		750,000				
Property Procurements		187,500					
BPW UPS - Replace & Relocate	10,500						
North Warehouse Design & Construction	2,000,000						
Repave Riley & Perry Substations				30,000	30,000		
Riley Generation UPS - Replace				10,000			
Roof Replacement at West Washington & Riley Generation					30,000	50,000	
Sub-Total Facilities	2,267,634	297,500	813,000	100,000	110,000	110,000	50,000
TOTAL CAPITAL EXPENDITURES	3,685,455	665,500	14,925,000	482,000	482,000	942,500	632,500

SOURCE OF FUNDS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Electric Revenue Bonds							
Contribution in Aid of Construction							
Grants							
Replacement Reserves -- Imp. And Additions	3,685,455	665,500	14,925,000	482,000	482,000	942,500	632,500
TOTAL SOURCE OF FUNDS	3,685,455	665,500	14,925,000	482,000	482,000	942,500	632,500

**CITY OF ZEELAND
CAPITAL IMPROVEMENT PROGRAM
WATER UTILITY TYPE IMPROVEMENTS
FY 2023 – 2028**

PROJECT DESCRIPTIONS:

DISTRIBUTION SYSTEM IMPROVEMENTS AND STREET PROJECTS: Plans for water distribution system replacements and/or improvements to be completed in conjunction with the City of Zeeland five-year street construction program. These projects will provide availability to new water customers and improved service to existing customers:

Major FY2023 Projects include:

- A. Other Water Main and Distribution System Improvements
- B. Meter Replacement / Evaluation 50% Replacement
- C. Lead Service Replacements
- D. City Street Reconstruction Projects – Main Ave.
- E. Maple Street Water Main Replacement
- F. Carlton Pump VFD installation
- G. New Portable Generator for Washington and Carlton Pump
- H. Tank Painting and Restoration (500,000gal Elevated Tank)
- I. 5MG Reservoir Inspection and possible restoration
- J. Pave Drive at 80th Street Tank
- K. 20 in. Transmission Main Flowable Fill

Major FY2024 Projects include:

- A. Other Water Main and Distribution System Improvements
- B. Meter Replacement / Evaluation 50% Replacement
- C. Lead Service Replacements
- D. City Street Reconstruction Projects – Taft Street (Main to Huizenga)
- E. Carlton Pump Station New Pump Motor / VFD installation
- F. ZGS Jockey Pump Replacement
- G. 80th Street Tank Painting and Restoration (1.5mg Elevated Tank)

Major FY2025 Projects include:

- A. Other Water Main and Distribution System Improvements
- B. Meter Replacement / Evaluation 50% Replacement
- C. Lead Service Replacements
- D. City Street Reconstruction Projects – Church (Washington to Lincoln)

Major FY2026 Projects include:

- A. Other Water Main and Distribution System Improvements
- B. Meter Replacement / Evaluation 50% Replacement
- C. Lead Service Replacements
- D. City Street Reconstruction Projects – Jefferson (McKinley to Roosevelt)

Major FY2027 Projects include:

- A. Other Water Main and Distribution System Improvements
- B. Meter Replacement / Evaluation 50% Replacement
- C. Lead Service Replacements
- D. City Street Reconstruction Projects – Williams (101st to 103rd)
- E. City Street Reconstruction Projects – Elm Street (Washington to Harrison)

Major FY2028 Projects include:

- A. Other Water Main and Distribution System Improvements
- B. Meter Replacement / Evaluation 50% Replacement
- C. Lead Service Replacements
- D. City Street Reconstruction Projects – Ottawa (Oak to Roosevelt)
- E. City Street Reconstruction Projects – Sanford (Central to Dead-end)

**CITY OF ZEELAND
CAPITAL IMPROVEMENT PROGRAM
WATER UTILITY TYPE IMPROVEMENTS
FY 2023 – 2028**

VEHICLE ACQUISITIONS: Plans for the purchase of necessary water department vehicles for operational purposes:

FY2023 Acquisitions include:

- A. Replace Pickup Truck #540

FY2024 Acquisitions include:

- A. Replace Pickup Truck #546

FY2027 Acquisitions include:

- A. Replace Pickup Truck #551

TECHNOLOGY IMPROVEMENTS: Office computers, computer upgrades and replacements, computer peripheral device and related upgrades, office equipment, security and communications devices and related upgrades, and SCADA system equipment:

Major FY2023 Projects include:

- A. Advanced Metering Infrastructure
- B. Replace Utility Billing Software (25%) - Evaluation

Major FY2024 Projects include:

- A. Advanced Metering Infrastructure
- B. Replace Utility Billing Software (25%) - Implementation

BUILDING IMPROVEMENTS: Construction of new or remodeling of old facilities, roofing repair or replacement, and other building improvements of a significant nature that will extend the life of facilities:

Major FY2023 Projects include:

- A. Water Department Office Expansion
- B. Property Procurements
- C. Restroom – Washington Pump Station
- D. Washington Pump Station Roof Repair / Replacement

Major FY2024 Projects include:

- A. BPW Office Remodel & Renovations

**CITY OF ZEELAND
2022-23 FISCAL YEAR BUDGET
CAPITAL IMPROVEMENT PROGRAM**

WATER UTILITY TYPE IMPROVEMENTS

PROJECT TITLE	Estimated FY 2022	6-Year Plan					
		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
<u>Street Projects</u>							
Cherry St (Elm to Church) - Services, Hydrant, Meter Pit	25,000						
Alice (100th to 104th) (100th St Alice to Huizenga)	700,000						
Plainfield Ct. Plainfield Ave	300,000						
Garfield (N. Centennial east to 16" watermain)	300,000						
Main Ave (Resurfacing State - East of Maple)		395,000					
Maple Street (Main to E. Washington)		200,000					
Taft -(Main-Huizenga)			950,000				
Church (Washington to Lincoln)				915,000			
Jefferson (McKinley to Roosevelt)					600,000		
Williams (101st to 103rd)						275,000	
Elm Street (Washington to Harrison)						200,000	
Ottawa (Oak to Roosevelt)							225,000
Sanford (Central to Dead End)							300,000
Other Water Main Projects	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Sub-Total Street Projects	1,525,000	795,000	1,150,000	1,115,000	800,000	675,000	725,000
<u>Distribution Improvements</u>							
Meter Replacement/ Evaluation 50% Replacement	50,000	100,000	100,000	100,000	100,000	100,000	100,000
Lead Service Replacements	100,000	630,000	770,000	770,000	770,000	770,000	300,000
Carlton Pump Station VFD_Singer Valve Install		61,000					
Large Portable Generator (WP/CP)		250,000					
Carlton PS-Install new pump, motor,VFD			250,000				
Washington Pump Station_pump_motor_Install VFD_Singer Valve	600,000						
ZGS Jockey Pump-replace CV with singer			50,000				
Tank Painting and Restoration 1.25 S. Reservoir	450,000						
Tank Painting and Restoration 500,000		260,000					
Tank Painting and Restoration 1.5 mg (80th st)			400,000				
5MG Reservoir (possible restoration after inspection)		300,000					
Concrete/Asphalt 80th st tank-70'x60'		40,000					
20" Transmission Main Flowable-Fill (104th-Carpet Bonanza)		400,000					
20" Transmission Main Flowable-Fill (120th- N. River)			550,000				
Other Distribution System Improvements	45,000	45,000	45,000	45,000	45,000	45,000	45,000
Sub-Total Distribution System Improvements	1,245,000	2,086,000	2,165,000	915,000	915,000	915,000	445,000
<u>Vehicle Additions/Improvements</u>							
Vehicle Acquisitions		30,000	35,000			30,000	
Sub-Total Vehicle Additions/Improvements	-	30,000	35,000	-	-	30,000	-
<u>Technology Improvements</u>							
Technology Improvements - General	20,000	20,000	20,000	20,000	20,000	20,000	20,000
AMI (Proposed)- Meters/Nodes/Field Runner	182,000	200,000	200,000				
Replace Utility Billing Software (25%) - evaluation FY23, implementation FY24		25,000	100,000				
Sub-Total Technology Improvements	202,000	245,000	320,000	20,000	20,000	20,000	20,000
<u>Facilities</u>							
Building Improvements	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Facilities Access Control	33,000						
BPW Office Remodel & Renovation	25,000	200,000	250,000				
Property Procurements		62,500					
Bathroom - Washington Pump Station	0	20,000					
BPW Office UPS - Replace & Relocate	3,500						
Washington Pump Station Repair/Replace Roof		60,000					
Sub-Total Facilities	86,500	367,500	275,000	25,000	25,000	25,000	25,000
TOTAL CAPITAL EXPENDITURES	3,058,500	3,523,500	3,945,000	2,075,000	1,760,000	1,665,000	1,215,000
SOURCE OF FUNDS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Water System Revenue Bonds							
Grants							
Contributions in Aid of Construction	50,000	50,000	50,000	50,000			
Replacement Reserves - Imp. and Additions	3,008,500	3,473,500	3,895,000	2,025,000	1,760,000	1,665,000	1,215,000
TOTAL SOURCE OF FUNDS	3,058,500	3,523,500	3,945,000	2,075,000	1,760,000	1,665,000	1,215,000