

GRAND RAPIDS PUBLIC UTILITIES

Service is Our Nature

FINANCIAL HEALTH INDICATORS

(Unaudited)

2011 - 2020

Financial Health Indicators

Liquidity - Measures the utilities ability to meet its short term obligations	Page
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Current ratio (current assets/current liabilities)	Т
Leverage - Measures the extent to which the utilities are financed by debt.	
Debt service coverage (operating income/total debt service payments)	2
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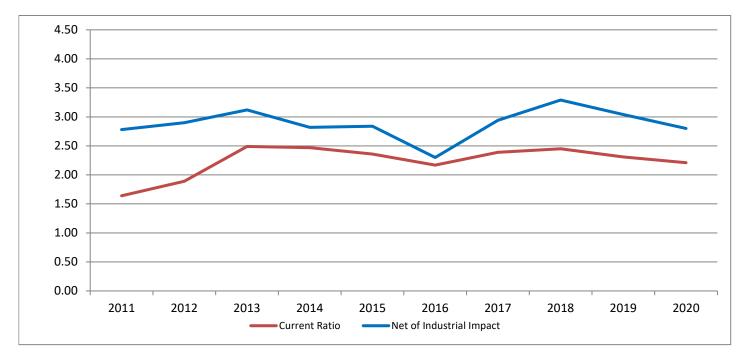
Current Ratio

Measurement - Liquidity

The ratio of total current and accrued assets to total current and accrued liabilities.

This is a measure of the utility's short-term liquidity (the ability to pay bills). The current ratio takes a snapshot of the utility's liquidity at a point in time and thus may vary considerably at other times of the year.

											2019 APPA	
										Ten Year	Industry	
<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Average</u>	<u>Average</u>	
1.64	1.89	2.49	2.47	2.36	2.17	2.39	2.45	2.31	2.21	2.24		
2.78	2.90	3.12	2.82	2.84	2.30	2.94	3.29	3.04	2.80	2.88	3.56	Net of Industrial Impact



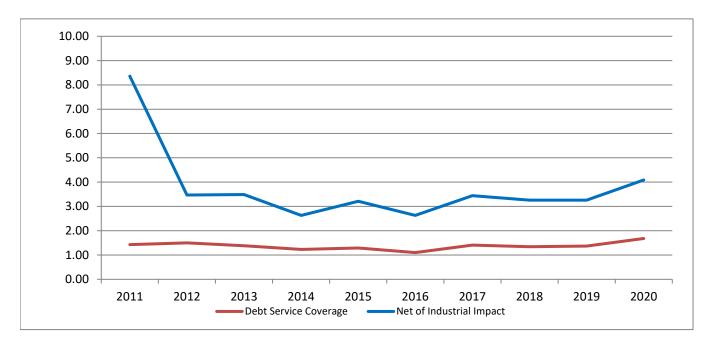
Debt Service Coverage

Measurement - Leverage

The ratio of net revenues available for debt service to total long-term debt service for the year.

This ratio measures the utility's ability to meet its annual long-term debt obligation. Net revenues available for debt service equal net utility operating income (operating revenues minus operating expenses) plus net utility non-operating income, plus depreciation. Debt service includes principal and interest payments on long-term debt. This ratio may be influenced by a utility's financial policies.

											APPA	
										Ten Year	Industry	
<u> 2011</u>	<u> 2012</u>	<u>2013</u>	<u> 2014</u>	<u> 2015</u>	<u> 2016</u>	<u> 2017</u>	<u> 2018</u>	<u> 2019</u>	<u> 2020</u>	<u>Average</u>	<u>Average</u>	
1.43	1.50	1.38	1.23	1.29	1.10	1.41	1.34	1.37	1.68	1.37		
8.36	3.47	3.49	2.63	3.21	2.63	3.44	3.26	3.26	4.09	3.78	5.76	Net of Industrial Impact



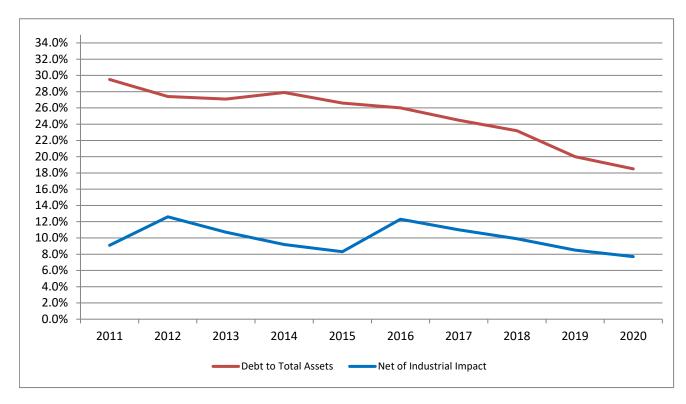
Long-term Debt to Total Assets

Measurement - Leverage

The ratio of long-term debt to total assets expressed as a percent.

This ratio measures the percentage of total funds provided by creditors.

											2019	
											APPA	
										Ten Year	Industry	
<u> 2011</u>	<u> 2012</u>	<u>2013</u>	<u> 2014</u>	<u> 2015</u>	<u> 2016</u>	<u> 2017</u>	<u> 2018</u>	<u> 2019</u>	<u> 2020</u>	<u>Average</u>	<u>Average</u>	
29.5%	27.4%	27.1%	27.9%	26.6%	26.0%	24.5%	23.2%	20.0%	18.5%	25.1%		
9.1%	12.6%	10.7%	9.2%	8.3%	12.3%	11.0%	9.9%	8.5%	7.7%	9.9%	13.8%	Net of Industrial Impact



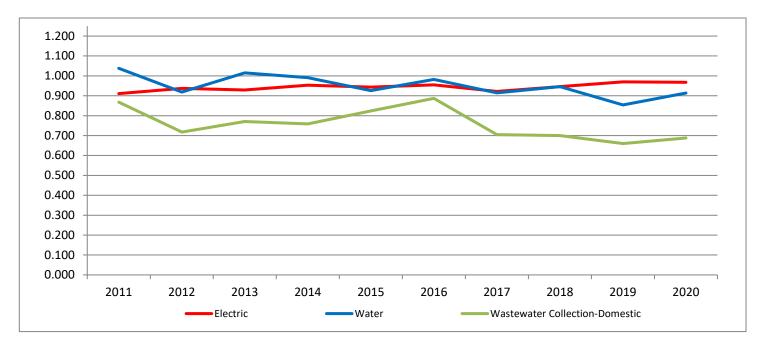
Operating Ratio:

Measurement - Activity

The ratio of total operation and maintenance expenses to total operating revenues.

This ratio measures the proportion of revenues received from sales, rate adjustments and other activities required to cover the operation and maintenance costs associated with producing and selling the utility services, and indicates the managements ability to control expenses.

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Ten Year Average	Industry Average
Electric	0.911	0.937	0.929	0.953	0.944	0.955	0.922	0.946	0.970	0.968	0.944	0.881
Water	1.038	0.919	1.015	0.991	0.926	0.982	0.915	0.946	0.854	0.914	0.950	
Wastewater	0.868	0.718	0.771	0.759	0.824	0.887	0.705	0.700	0.660	0.688	0.758	



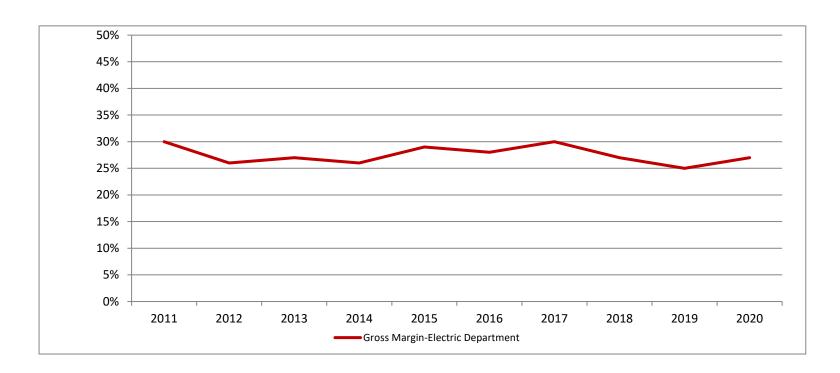
2019 APPA

Gross Margin-Electric Department

Measurement - Activity

Gross margin is a company's total sales revenue minus its cost of goods sold (COGS), divided by total sales revenue, expressed as a percentage. The gross margin represents the percent of total sales revenue that the company retains after incurring the direct costs associated with purchasing/producing the goods and services it sells. The higher the percentage, the more the company retains on each dollar of sales, to service its other costs and debt obligations.

												APPA
											Ten Year	Industry
	<u> 2011</u>	<u> 2012</u>	<u>2013</u>	<u>2014</u>	<u> 2015</u>	<u> 2016</u>	<u> 2017</u>	<u> 2018</u>	<u> 2019</u>	<u> 2020</u>	<u>Average</u>	<u>Average</u>
Electric	30%	26%	27%	26%	29%	28%	30%	27%	25%	27%	28%	N/A



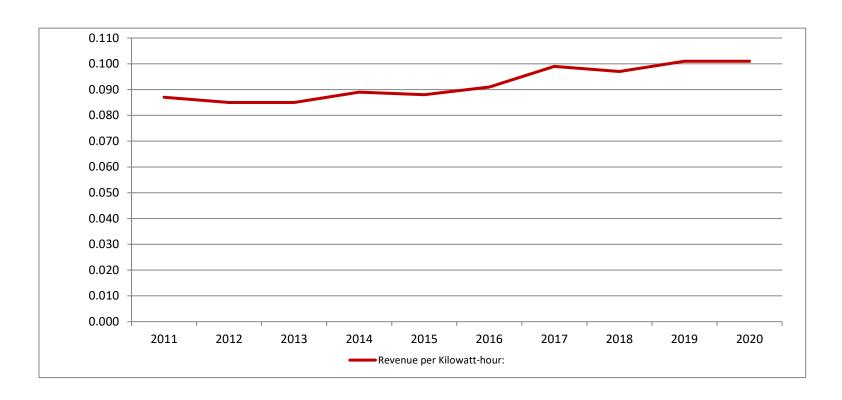
Revenue per Kilowatt-hour:

Measurement - Activity

All retail customers – The ratio of total electric operating revenues from sales to ultimate customers to total kilowatt-hour sales.

This ratio measures the amount of revenue received for each kilowatt-hour of electricity sold to all classes of customers, including residential, commercial, industrial, public street and highway lighting and other customers.

												_0.0
												APPA
											Ten Year	Industry
	<u> 2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u> 2015</u>	<u> 2016</u>	<u> 2017</u>	<u> 2018</u>	<u> 2019</u>	<u> 2020</u>	<u>Average</u>	<u>Average</u>
Electric	0.087	0.085	0.085	0.089	0.088	0.091	0.099	0.097	0.101	0.101	0.091	0.097



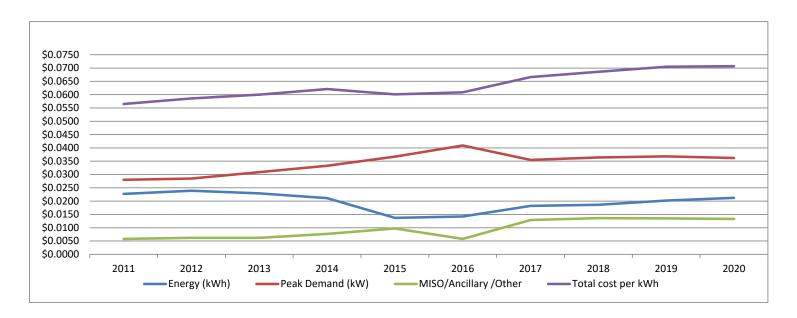
Cost in Cents per Kilo-watt Hour Purchased

Measurement - Activity

The ratio of all components comprising the purchase cost of wholesale power, including energy, power, transmission service, energy management and metering the kilo-watt hours purchased.

This ratio measures the average total cost of each kilo-watt hour purchased.

														APPA Industry
Cost per kWh:	<u>2011</u>	2	<u> 2012</u>	<u>2013</u>	<u> 2014</u>	<u>2015</u>	<u> 2016</u>	<u>2017</u>	<u> 2018</u>	:	<u> 2019</u>	2	<u> 2020</u>	<u>Average</u>
Energy (kWh)	\$ 0.0227	\$ (0.0239	\$ 0.0229	\$ 0.0211	\$ 0.0137	\$ 0.0142	\$ 0.0182	\$ 0.0186	\$	0.0202	\$ (0.0212	
Peak Demand (kW)	\$ 0.0280	\$ (0.0285	\$ 0.0309	\$ 0.0333	\$ 0.0367	\$ 0.0409	\$ 0.0355	\$ 0.0364	\$	0.0368	\$ (0.0362	
MISO/Ancillary /Other	\$ 0.0058	\$ (0.0062	\$ 0.0062	\$ 0.0077	\$ 0.0097	\$ 0.0058	\$ 0.0129	\$ 0.0136	\$	0.0135	\$ (0.0133	_
Total cost per kWh	\$ 0.0565	\$ (0.0586	\$ 0.0600	\$ 0.0621	\$ 0.0601	\$ 0.0609	\$ 0.0666	\$ 0.0686	\$	0.0705	\$ (0.0707	\$0.0640



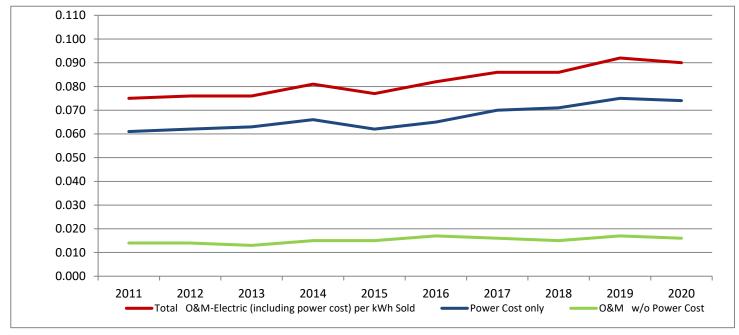
Total Operation and Maintenance Expense per Kilowatt-hour Sold:

Measurement - Profitability

The ratio of total electric utility operation and maintenance expenses, including the cost of purchased power, to total kilowatt-hour sales to ultimate customers.

This ratio measures average total operation and maintenance expenses associated with each kilowatt-hour of electricity sold to ultimate customers.

APPA Ten Year Industry 2011 2015 2016 2018 2019 2020 2012 2013 2014 2017 Average **Average** 0.075 0.076 0.081 0.077 0.082 0.086 0.086 0.092 0.090 0.082 0.087 Total 0.076 0.062 0.062 0.075 0.067 0.075 Power 0.061 0.063 0.066 0.065 0.070 0.071 0.074 O&M 0.014 0.014 0.013 0.015 0.015 0.017 0.016 0.015 0.017 0.016 0.015 0.012

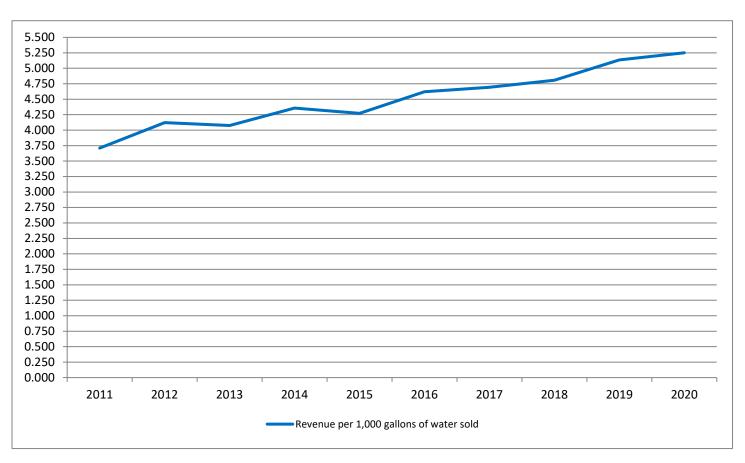


Measurement - Activity

Revenue per 1,000 gallons of water sold

The ratio of total water operating revenues from sales to ultimate customers to total gallons sold. This ratio measures the amount of revenue received for each 1,000 gallons of water sold

APPA Ten Year Industry <u>2011</u> <u>2012</u> **2013** 2014 <u>2015</u> **2016** <u>2017</u> **2018** 2019 **2020 Average Average** 3.710 4.122 4.273 4.622 5.137 4.074 4.358 4.694 4.807 5.251 4.505 N/A

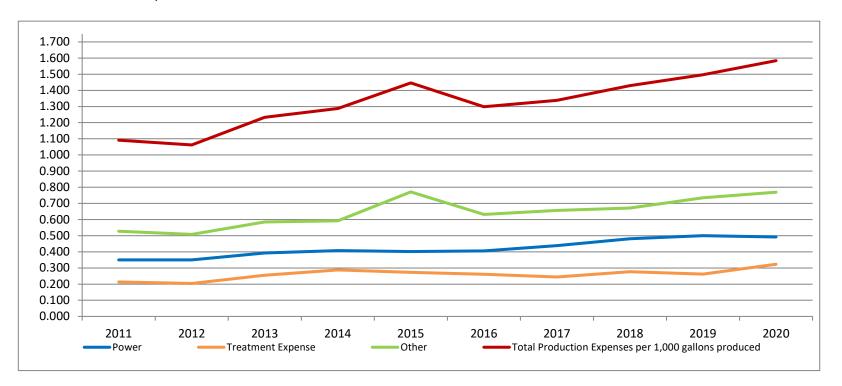


Measurement - Activity

Production Expenses per 1,000 gallons produced

The ratio of water utility production and treatment expenses to total gallons (1,000) produced. This ratio measures production and treatment expenses associated with each 1,000 gallons of water production. (Production expenses excluding other administrative, customer accounts, and depreciation expenses.)

												APPA
											Ten Year	Industry
	<u> 2011</u>	<u> 2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u> 2016</u>	<u> 2017</u>	<u> 2018</u>	<u> 2019</u>	<u> 2020</u>	<u>Average</u>	<u>Average</u>
Power	0.350	0.350	0.393	0.408	0.402	0.406	0.438	0.481	0.500	0.492	0.422	N/A
Treatment Expense	0.213	0.204	0.255	0.288	0.273	0.261	0.244	0.277	0.262	0.323	0.260	
Other	0.528	0.508	0.585	0.592	0.771	0.632	0.656	0.671	0.735	0.769	0.645	
Total Production Exp	1.091	1.062	1.233	1.288	1.446	1.299	1.338	1.429	1.497	1.584	1.327	



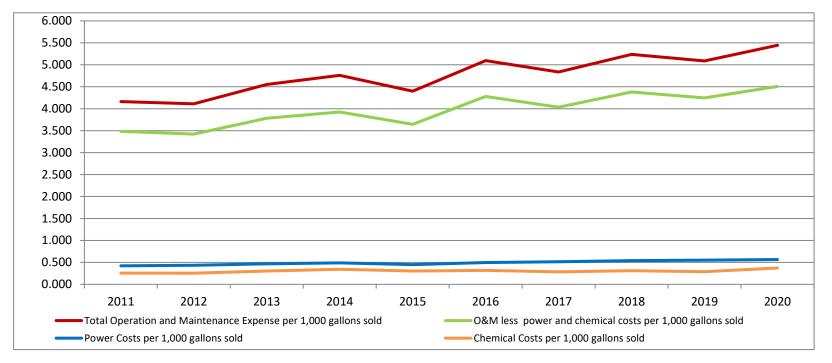
Measurement - Activity

Total Operation and Maintenance Expense per 1,000 gallons sold

The ratio of total water utility operation and maintenance expenses, including the cost of production and treatment, to total gallons (1,000) sold sales to ultimate and resale customers. This ratio measures average total operation and maintenance expenses associated with each 1,000 gallons of water sold to ultimate customers.

2019

	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	Ten Year <u>Average</u>	Industry Average
Total O&M	4.163	4.112	4.551	4.762	4.398	5.097	4.838	5.237	5.090	5.445	4.769	N/A
Power	0.422	0.436	0.466	0.490	0.448	0.498	0.515	0.541	0.553	0.565	0.493	
Chemicals	0.257	0.254	0.303	0.345	0.304	0.319	0.286	0.312	0.290	0.372	0.304	
O&M less	3.484	3.422	3.783	3.926	3.645	4.280	4.036	4.383	4.247	4.508	3.971	



ADDA

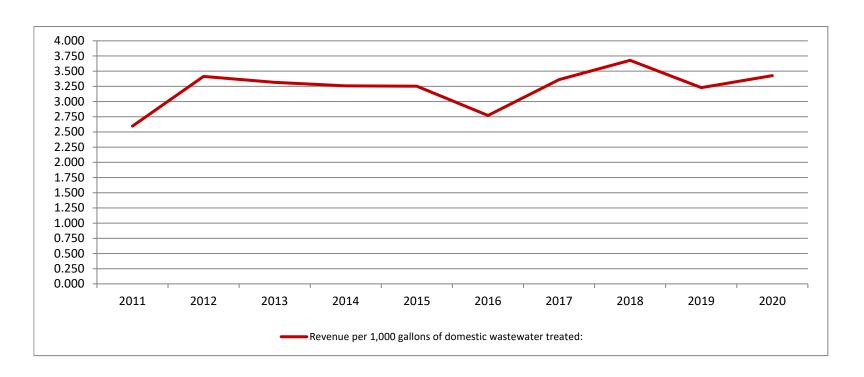
Revenue per 1,000 gallons of domestic wastewater treated:

Measurement - Activity

The ratio of total domestic wastewater operating revenues from sales to ultimate customers to total domestic gallons of wastewater treated.

This ratio measures the amount of revenue received for each 1,000 gallons of wastewater treated from all domestic classes of customers, including residential, and commercial.

2019 **APPA** Ten Year Industry <u>201</u>7 2020 2011 2012 2013 2014 2015 2016 2018 2019 Average **Average** 2.771 2.596 3.414 3.317 3.259 3.253 3.361 3.679 3.231 3.427 3.231 N/A



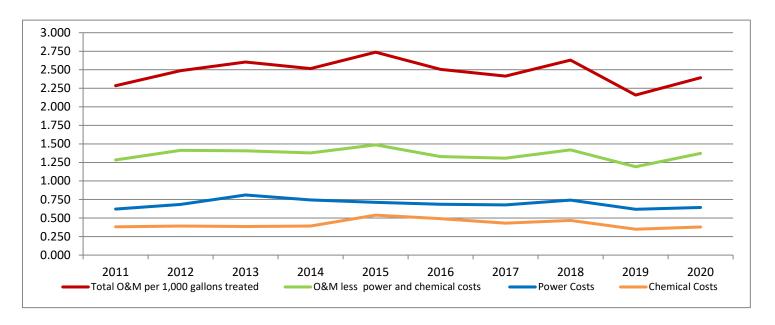
Total Operation and Maintenance Expense per 1,000 gallons of domestic wastewater treated

Measurement - Activity

The ratio of total domestic wastewater utility operation and maintenance expenses, including the cost of treatment, to total domestic gallons (1,000) treated.

This ratio measures average total operation and maintenance expenses associated with each 1,000 gallons of domestic wastewater treated.

												APPA
											Ten Year	Industry
	<u> 2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u> 2015</u>	<u> 2016</u>	<u> 2017</u>	<u> 2018</u>	<u> 2019</u>	<u> 2020</u>	<u>Average</u>	<u>Average</u>
Total O&M	2.284	2.488	2.604	2.515	2.737	2.506	2.415	2.631	2.159	2.393	2.473	N/A
Power Cost	0.620	0.683	0.811	0.745	0.711	0.686	0.676	0.742	0.618	0.643	0.694	
Chemical C	0.381	0.393	0.386	0.392	0.539	0.492	0.431	0.468	0.349	0.379	0.421	
O&M less r	1.284	1.412	1.407	1.378	1.487	1.328	1.308	1.420	1.192	1.371	1.359	



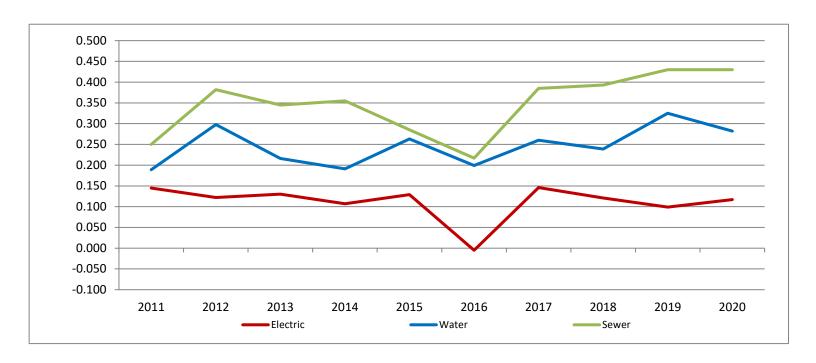
Operating Income per Revenue Dollar before taxes (PILOT):

Measurement - Profitability

The ratio of operating utility income to total operating revenues.

This ratio measures the amount of income remaining, after accounting for operation and maintenance expenses, for every dollar received from sales of the utility service.

						-						2019 APPA
											10 Year	Industry
	<u> 2011</u>	<u> 2012</u>	<u>2013</u>	<u>2014</u>	<u> 2015</u>	<u> 2016</u>	<u> 2017</u>	<u>2018</u>	<u> 2019</u>	<u>2020</u>	<u>Avg.</u>	<u>Average</u>
Electric	0.145	0.122	0.130	0.107	0.129	-0.005	0.146	0.121	0.099	0.117	0.111	N/A
Water	0.189	0.298	0.216	0.191	0.263	0.199	0.260	0.239	0.325	0.282	0.246	N/A
Sewer	0.250	0.382	0.345	0.355	0.285	0.217	0.385	0.393	0.430	0.430	0.347	N/A

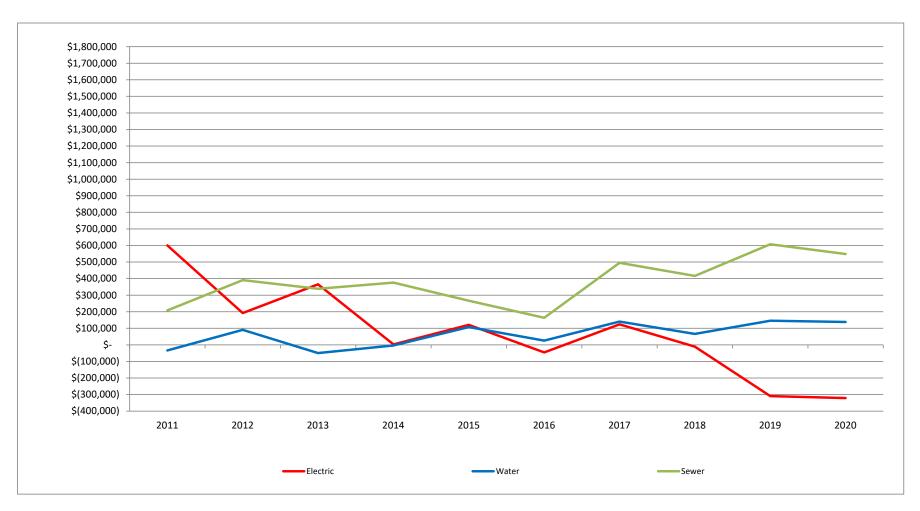


Net Income:

Measurement - Profitability

Total revenues less total expenses.

		•										10Yr.
	<u>2011</u>		<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u> 2018</u>	<u> 2019</u>	<u>2020</u>	<u>Avg.</u>
Electric	\$ 600,380	\$	192,001	\$ 365,224 \$	2,461 \$	120,444	\$ (45,201)	\$ 124,363	\$ (10,349)	\$ (309,167)	\$ (321,075)	\$ 71,908
Water	\$ (33,453)	\$	90,360	\$ (49,449) \$	(3,804) \$	107,071	\$ 26,057	\$ 140,799	\$ 66,159	\$ 145,832	\$ 138,058	\$ 62,763
Sewer	\$ 208,146	\$	391,198	\$ 338,599 \$	375,975 \$	266,772	\$ 163,567	\$ 495,763	\$ 415,970	\$ 607,251	\$ 548,349	\$ 381,159



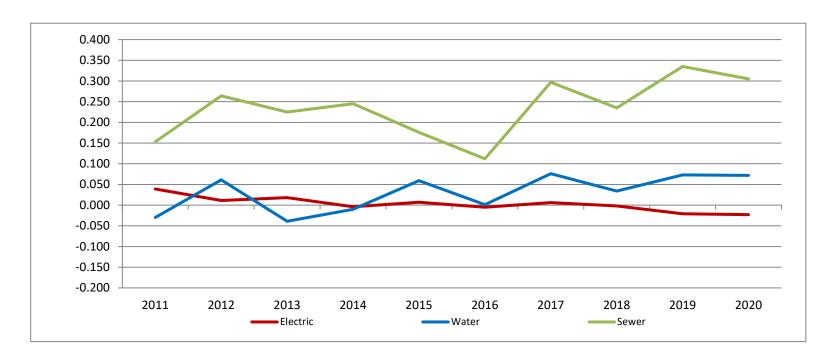
Net Income per Revenue Dollar after taxes (PILOT):

Measurement - Profitability

The ratio of net utility income to total operating revenues.

This ratio measures the amount of income remaining, after accounting for operation and maintenance expenses, depreciation, and PILOT, for every dollar received from sales of the utility service.

												APPA
											10 Yr.	Industry
	<u> 2011</u>	<u> 2012</u>	<u> 2013</u>	<u>2014</u>	<u> 2015</u>	<u> 2016</u>	<u> 2017</u>	<u> 2018</u>	<u> 2019</u>	<u>2020</u>	<u>Avg.</u>	<u>Average</u>
Electric	0.039	0.011	0.018	-0.004	0.007	-0.005	0.006	-0.002	-0.021	-0.023	0.003	0.056
Water	-0.030	0.061	-0.039	-0.010	0.059	0.001	0.076	0.034	0.073	0.072	0.030	
Sewer	0.153	0.264	0.225	0.245	0.176	0.112	0.297	0.235	0.335	0.305	0.235	



Cash Flow

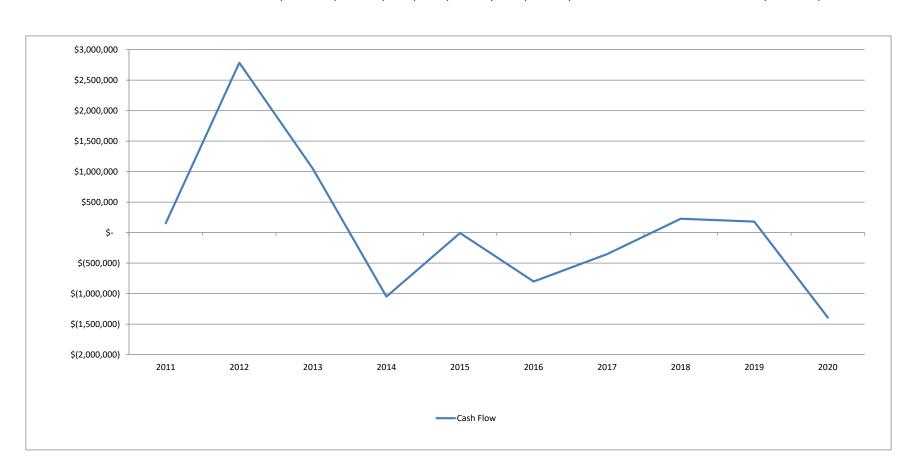
Measurement - Profitability

Net income plus depreciation less capital investments.

Measuring the amount of cash generated over a defined business cycle, typically a one year period.

 2011
 2012
 2013
 2014
 2015
 2016
 2017
 2018
 2019
 2020
 Avg.

 \$ 154,398
 \$ 2,785,057
 \$ 1,046,156
 \$ (1,048,388)
 \$ (6,343)
 \$ (801,543)
 \$ (351,424)
 \$ 228,544
 \$ 180,850
 \$ (1,392,339)
 \$ 79,497



Fund Balance - Net Worth

Measurement - Profitability

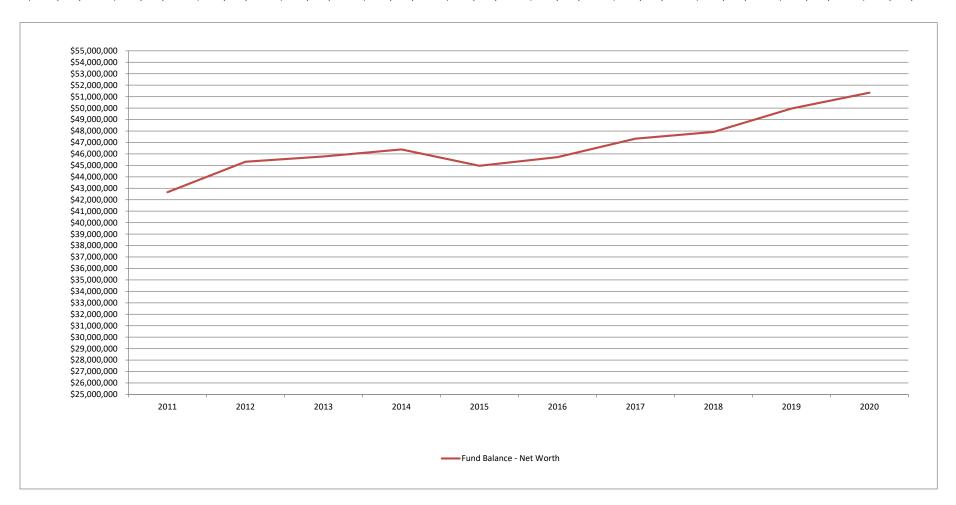
Total Assets minus Total Liabilities (Total Net Assets)

Measures the capital and surplus of the utility. Sometimes referred to as retained earnings, and is the sum of retained earnings each year throughout the utilities' history.

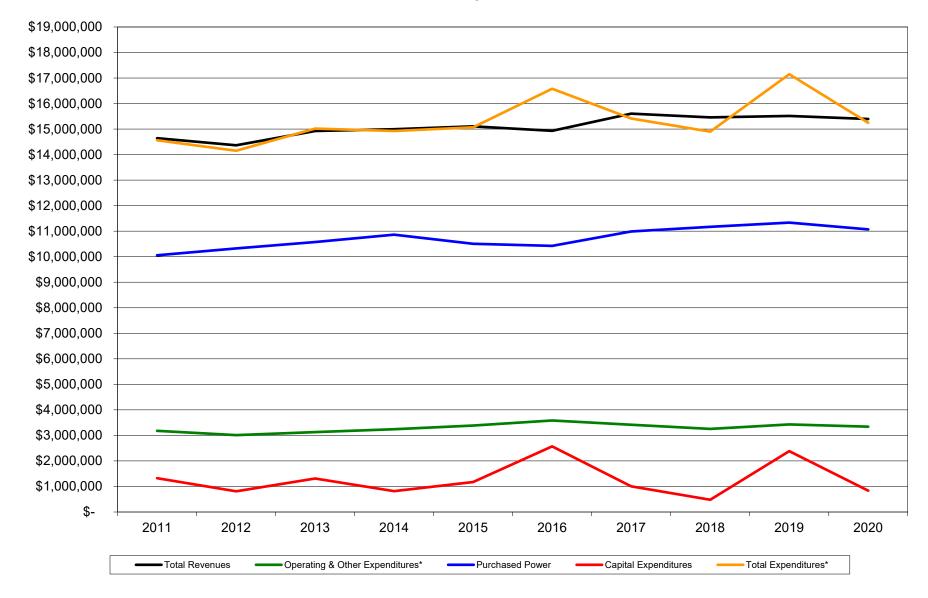
10Yr.

2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 Avg.

\$ 42,656,549 \$ 45,312,286 \$ 45,776,776 \$ 46,390,197 \$ 44,962,673 \$ 45,718,612 \$ 47,332,332 \$ 47,914,040 \$ 49,956,225 \$ 51,344,789 \$ 46,736,448

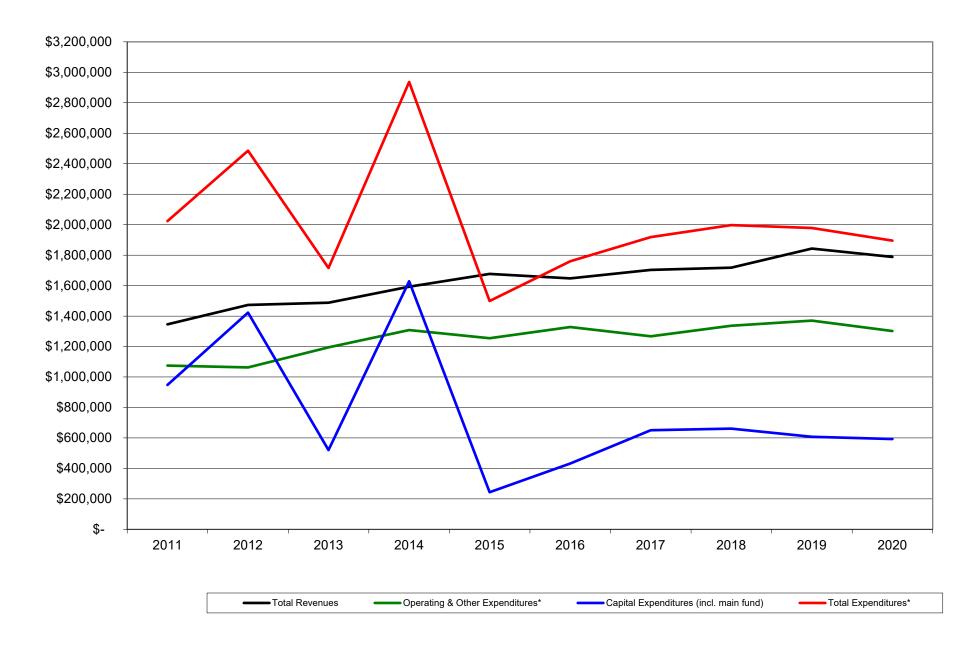


Electric Department



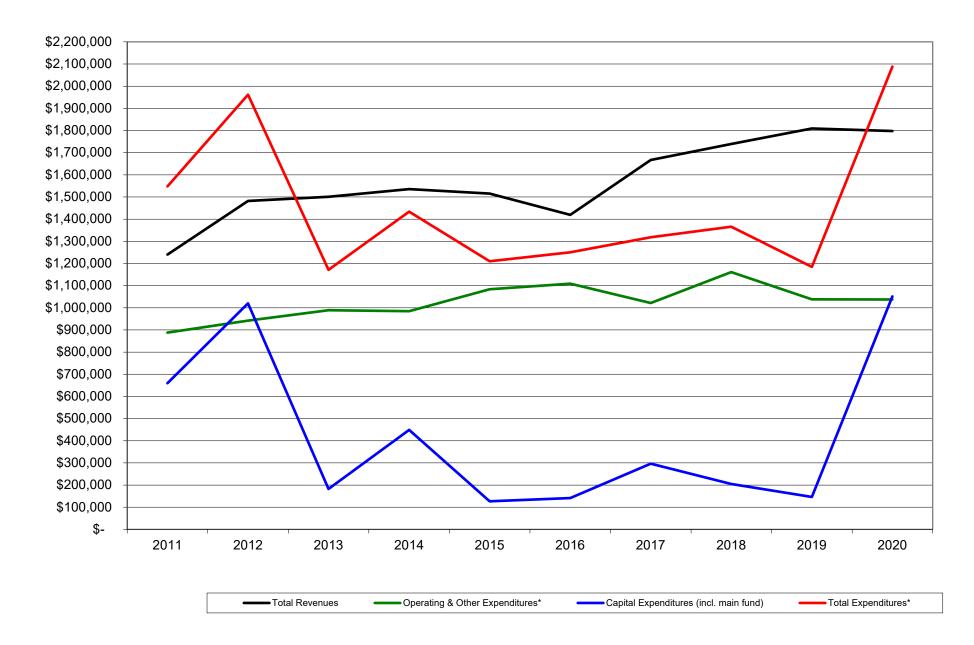
^{*}Depreciation expense and debt service principal payments are not included in total expenditures.

Water Department



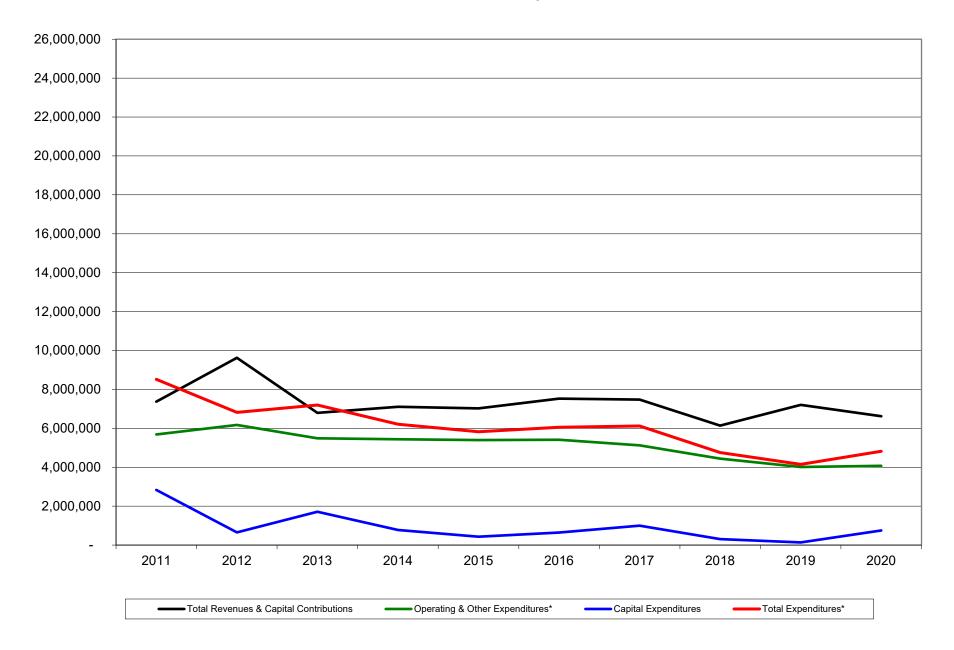
^{*}Depreciation expense and debt service principal payments are not included in total expenditures.

Wastewater Collection Department



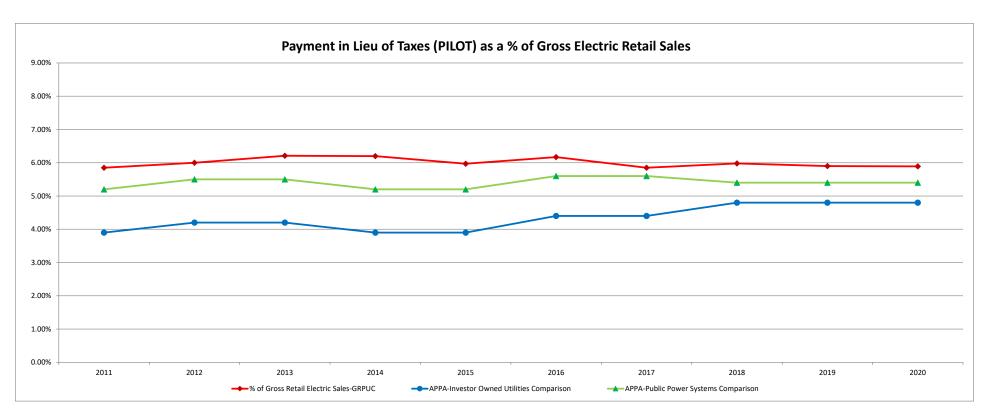
^{*}Depreciation expense and debt service principal payments are not included in total expenditures.

Wastewater Treatment Department



^{*}Depreciation expense and debt service principal payments are not included in total expenditures.

	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Average</u>
Payment in Lieu of Taxes (PILOT) to City of GR PILOT % Increase (Decrease)	\$ 824,487 9 -0.16%	\$ 825,766 \$ 0.16%	\$ 868,320 \$ 5.15%	871,167 \$ 0.33%	873,374 0.25%	\$ 870,255 -0.36%	\$ 872,898 \$ 0.30%	876,832 0.45%	\$ 871,916 -0.56%	\$ 873,537 0.19%	0.58%
Inflation Rate CPI - AUC/AUWE-CW Average *	3.20%	2.10%	1.50%	1.60%	0.10%	1.30%	2.10%	2.40%	1.80%	1.20%	1.73%
Gross Electric Retail Sales	\$ 14,095,035	\$ 13,773,569	\$ 13,982,723 \$	14,060,424 \$	\$ 14,620,669	\$ 14,101,119	\$ 14,913,391 \$	14,661,267	\$ 14,777,170	\$ 14,823,180	
% of Gross Retail Electric Sales-GRPUC	5.85%	6.00%	6.21%	6.20%	5.97%	6.17%	5.85%	5.98%	5.90%	5.89%	6.00%
APPA-Investor Owned Utilities Comparison	3.90%	4.20%	4.20%	3.90%	3.90%	4.40%	4.40%	4.80%	4.80%	4.80%	
APPA-Public Power Systems Comparison	5.20%	5.50%	5.50%	5.20%	5.20%	5.60%	5.60%	5.40%	5.40%	5.40%	
City of GR Net Certified Levy % of City of GR Net Certified Levy	\$ 4,885,894 S 16.87%	\$ 4,874,006 \$ 16.94%	5,068,674 \$ 17.13%	5,562,859 \$ 15.66%	6,393,379 13.66%	\$ 6,450,063 13.49%	\$ 6,717,854 \$ 12.99%	6,716,767 13.05%	\$ 6,937,752 12.57%	\$ 7,073,543 12.35%	14.47%



	<u>2001</u>	2002	2003	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	2009	<u>2010</u>	
Payment in Lieu of Taxes (PILOT) to City of GR	\$ 576,919	\$ 628,648	\$ 626,037	\$ 620,847	\$ 589,123	\$ 630,475	\$ 639,655	\$ 653,542	\$ 824,925	825,825	
PILOT % Increase (Decrease)	6.59%	8.97%	-0.42%	-0.83%	-5.11%	7.02%	1.46%	2.17%	26.22%	0.11%	
Inflation Rate CPI - AUC/AUWE-CW Average	2.80%	1.60%	2.30%	2.70%	3.40%	3.20%	2.80%	3.80%	-0.40%	1.60%	
											Ten Year
	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Average</u>
Payment in Lieu of Taxes (PILOT) to City of GR			2013 \$ 868,320	· <u></u>			· <u></u>	2018 \$ 876,832			<u>Average</u>
Payment in Lieu of Taxes (PILOT) to City of GR PILOT % Increase (Decrease)			, <u></u> ,	· <u></u>			· <u></u>	' <u></u>			<u>Average</u> 0.58%

