RESOLUTION NO. 2694

May 13, 2025

A RESOLUTION OF THE COMMISSION OF
PUBLIC UTILITY DISTRICT NO. 1 OF BENTON COUNTY REGARDING
APPROVING THE 2025 LOAD FORECAST FOR 2025-2035

WHEREAS, the 2025 Load Forecast for 2025-2035 (Load Forecast) has been prepared by District staff and reflects customer load information; AND

WHEREAS, information contained in the Load Forecast is updated annually and is necessary for the District's revenue forecasting, for Bonneville Power Administration planning, and for the regional load forecast prepared by Pacific Northwest Utilities Conference Committee; AND

WHEREAS, the Load Forecast is used in conjunction with other fiscal planning tools including, but not limited to, the Cost-of-Service Analysis, the Resource Plan, the Power Supply Plan, the Five-Year Capital Plan and the annual budget; AND

NOW, THEREFORE, BE IT HEREBY RESOLVED by the Commission of Public Utility District No. 1 of Benton County, that the attached Load Forecast be approved, effective May 13, 2025.

BE IT FURTHER RESOLVED that this Resolution supersedes Resolution No. 2673 and replaces all other Resolutions pertaining to the same herein.

APPROVED AND ADOPTED by the Commission of Public Utility District No. 1 of Benton County at an open public meeting, with notice of such meeting given as required by law, this 13th day of May 2025.

DocuSigned by:
69B2EFD7319E4CC...
Jeffrey D. Hall, President

ATTEST:
Signed by:
Mike Massey
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Michael D. Massey, Secretary

Public Utility District No. 1 of Benton County

2025 Load Forecast for 2025-2035

Tables

Figures

1. Executive Summary

The 2025 Load Forecast for 2025-2035 (Forecast) estimates the District's annual and monthly loads and customer counts for each customer class and the total system. The Forecast is developed annually and used as critical input to several analyses and processes including the Cost-of-Service Analysis, the Resource Plan, the Power Supply Plan, the Five-Year Capital Plan, and the annual budget.

The Forecast expects the total annual retail load to be 206.1 aMW in 2026, increasing by 3.6 aMW, to 209.7 aMW in 2035, as shown below in **Figure 1-1.** The 5-year (2025-2030) and 10-year (2025-2035) annual average rates of growth are 0.18% and 0.19%, respectively. The Forecast is about 1.2 aMW lower in calendar year 2026 than was estimated by the 2024 forecast.

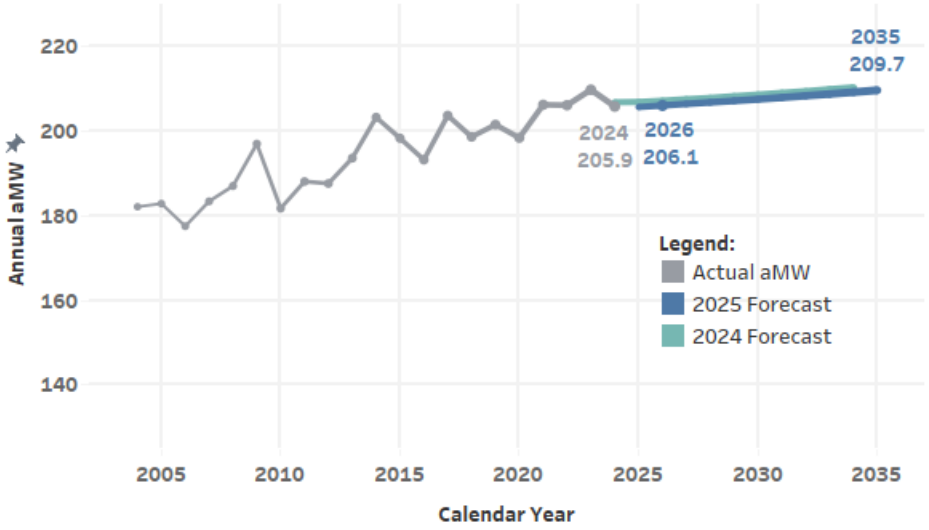

Figure 1-1 – Forecast of annual retail load

The Forecast expects to add about 627 total customers per year (564 residential, 63 non-residential) as shown below in **Figure 1-2.**

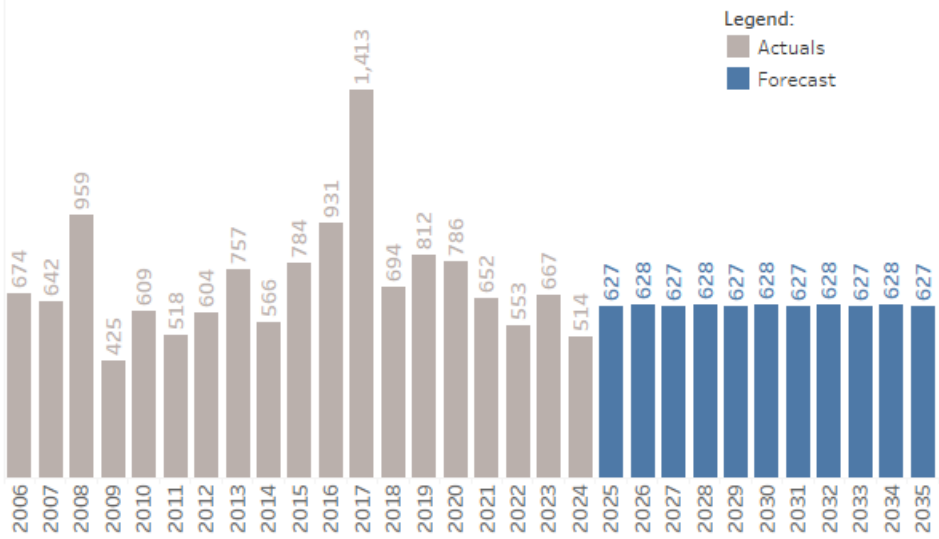

Figure 1-2 – Forecast of annual increase in customers

As shown below in **Figure 1-3**, the forecast includes 10.8 aMW of cumulative conservation over the forecast period, which is comprised of 1.8 aMW of residential and 9.0 aMW of non-residential conservation. For additional information about conservation, refer to **Section 2.5.**

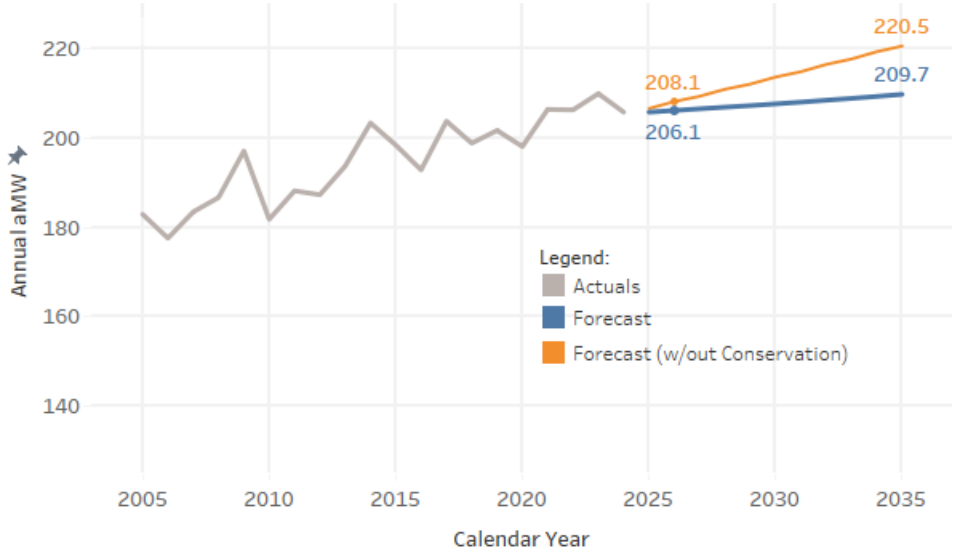

Figure 1-3 – Forecast annual retail load without conservation

Figure 1-4 below shows that residential load is growing (annual growth rate of 1.0%) while non-residential load is declining, primarily due to conservation.

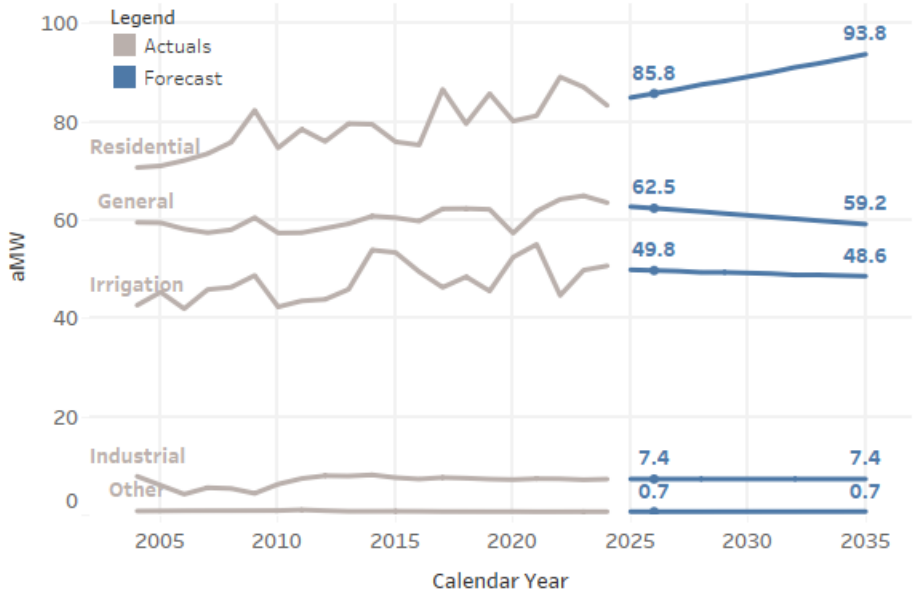

Figure 1-4 – Forecast of annual retail load by customer class

Overall, the Forecast reflects the continuing trend of a growing customer count, but a relatively low rate of retail load growth, primarily due to declining trends in energy usage per customer because of energy efficiency and conservation. For details about the trends of each customer class, refer to **Section 5.**

This Forecast will be an input to the revenue forecast for the District's 2026 budget. **Figure 1-5** below shows the estimated monthly shape of retail load, by customer class, for calendar year 2026.

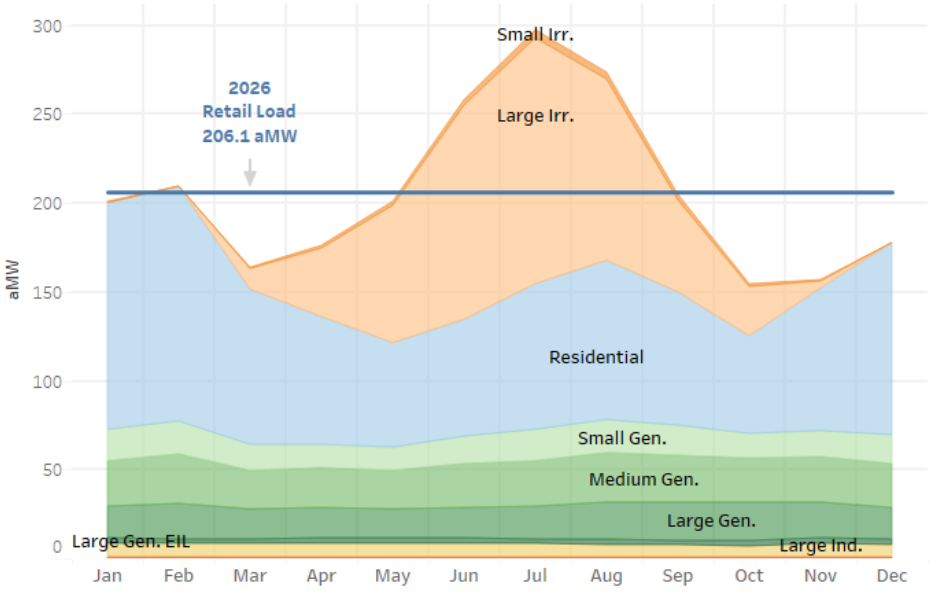

Figure 1-5 – Forecast of monthly retail load by customer class

This Forecast will also be an input to the Power Supply Plan for the District's 2026 budget. The Forecast of wholesale load, as seen by Bonneville Power Administration, is shown below in **Figure 1-6**, including annual average demand (aMW) and annual peak demand (MW). Wholesale load is equal to retail load plus the District's transmission and distribution system losses of 3.13%. For additional information on system losses and the peak forecast, refer to **Sections 2.7 and 2.8**.

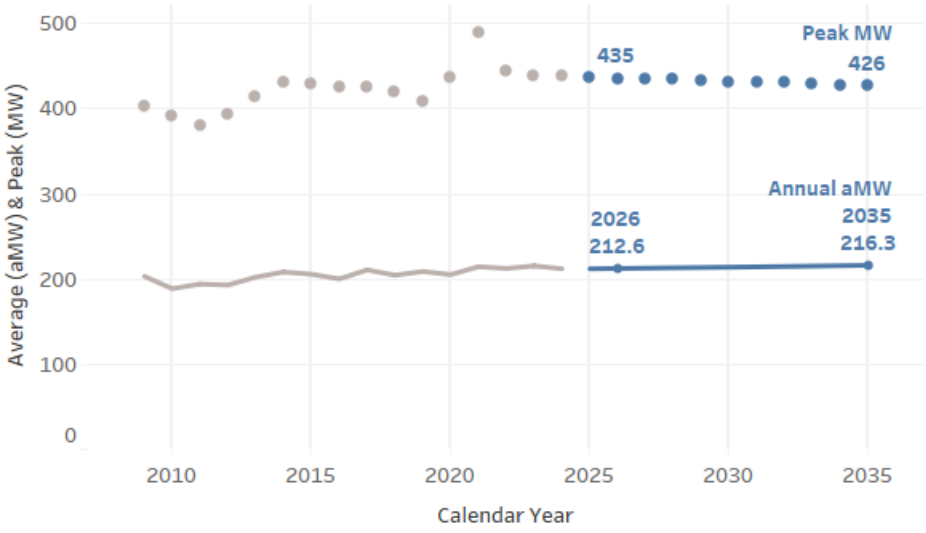

Figure 1-6 – Forecast of annual wholesale load

2. Forecast Methodology

2.1 Overview

The Load Forecast (Forecast) is a forecast of the District's total system and customer class annual and monthly energy (MWh), average demand (aMW), peak demand (MW) and number of customers. The Forecast inputs include historical monthly loads and monthly customer counts by customer class as well as a conservation forecast and manual adjustments as determined by District staff. Additional details of the forecast methodology and assumptions are provided in the following sections.

2.2 Customer Classes

The Forecast results include a total system forecast that is a summation of the forecasts for each customer class. **Table 2-1** below summarizes the relationship of the District's customer classes (i.e. revenue classes) to its rate schedules. Refer to the District's website for detailed descriptions of the rate schedules.

Table 2-1 – District customer class relationship to rate schedules

Customer Class	Rate Schedule(s)
Total System	All
Residential	11, 12
Small General	21, 90
Medium General	22
Large General	23
Large Industrial	34
Small Irrigation	71
Large Irrigation	72, 73, 74, 75, 76
Street Lights	51
Security Lights	61
Unmetered Flats	85

2.3 Historical Data

Key inputs to the Forecast include historical monthly billed retail energy sales (MWh) and monthly customer counts (i.e. distinct count of billed services) as reported by the District's Billed Usage Data Mart[1]. The Forecast also utilizes the historical monthly energy (MWh) and peak demand (MW) values reported by the Bonneville Power Administration (BPA) Meter Data Management Reporting (MDMR2) system for the District's total system wholesale load as measured at the BPA point-of-deliveries.

2.4 Monthly Shaping

The initial year of the Forecast (2025) is set equal to the annual summation of the 4 or 5-year average (Jan-2021 to Mar-2025) of historical monthly billed energy for each customer class. For example, residential load in January 2025 was assumed equal to the 5-year average of historical January billed load. The 4 or 5-year average is applied for each month and then the months are summed to get the calendar year total by revenue class. For the wholesale load forecast the annual retail forecast is shaped

[1] The "Billed Usage Data Mart" is the District's business intelligence reporting tool containing monthly billed energy usage since March 2017. The "actuals" of monthly energy and customer counts in this Forecast may differ slightly from the energy statistics reported within the District's monthly financial statements.

to the calendar months using the 4-year average (2021-2024) of the proportion of monthly to annual wholesale load.

2.5 Conservation

The District considers its historical conservation and its latest Conservation Potential Assessment (CPA) as inputs to the Forecast. **Figure 2-1** below shows the historical annual conservation by sector.[2]

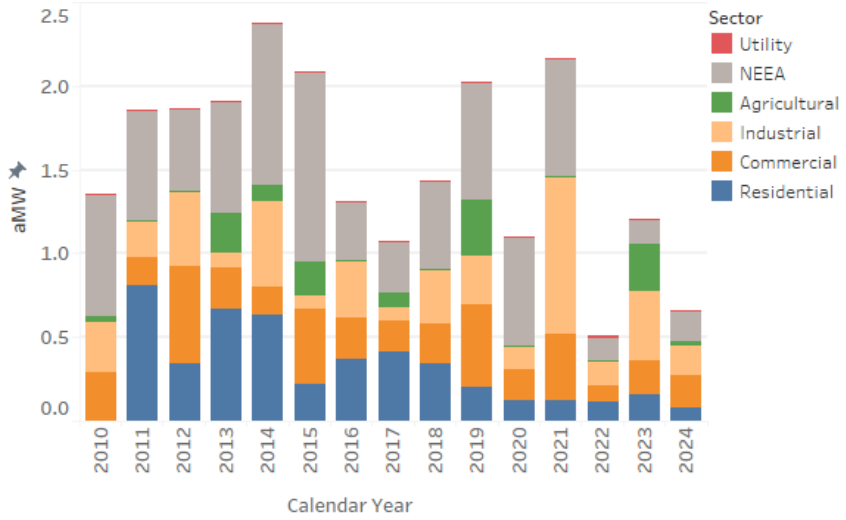

Figure 2-1 – Historical annual conservation by sector

The latest CPA[3] indicates a 10-year cost-effective savings potential of 8.36 aMW, however, the District often exceeds its CPA targets, therefore, the Forecast assumes 2.0 aMW of conservation to be achieved every two years, resulting in slightly higher savings than the CPA target. The Forecast includes the District's practice of targeting to achieve 60% of its biennium target in the first year and 40% in the second year. In total, the Forecast includes 10.8 aMW of cumulative conservation through 2035, as shown below, by revenue class, in **Figure 2-2**.

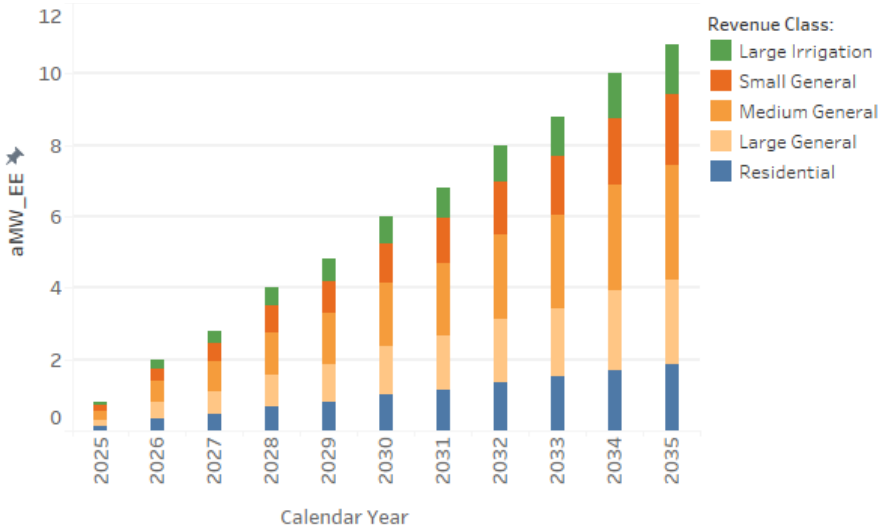

Figure 2-2 – Forecast of annual cumulative conservation by customer class

[2] Historical conservation for 2024 assumes an estimate for NEEA savings, which are not yet final.
[3] Resolution No. 2670 adopted in April 2024.

2.6 Manual Adjustment

Staff uses professional judgement to implement manual adjustments to the forecast to increase/decrease revenue class load growth and customer counts. Consideration is given to historical and expected load growth and usage per customer trends. In general, it is preferred to make as few adjustments as possible. **Table 2-2** summarizes the manual adjustments utilized for the Forecast.

Table 2-2 – Manual adjustments applied to the forecast

Customer Class	Adjustment Type	Adjustment Description
Residential	Customer & Load	1) Add 47 customers per month, and 2) Grow load by the 4-year average usage/customer
Small General	Customer & Load	3) Add 6 customers per month, and 4) Grow load by the 4-year average usage/customer;
Medium General	Customer & Load	5) Add 1 customer per year, and 6) Grow load by the 4-year average usage/customer;
Large General	Customer & Load	7) Assume 3.0 aMW of existing Electricity Intensive Load; 8) Add 1 new onion processing facility, with load 2X an existing facility, starting in May-2026 (at 50% of normal in May) 9) Add 1 new onion storage shed every other year, with load matching an existing shed, starting in May-2028 (4 sheds total)
Large Industrial	Customer & Load	10) No new customers or load
Small Irrigation	Customer & Load	11) Remove 1 customer per year and reduce load slightly
Large Irrigation	Customer & Load	12) No new customers or load
Streetlights	Customer & Load	13) No new customers or load
Security Lights	Customer & Load	14) Remove 1 customer per month and reduce load slightly
Unmetered Flats	Customer & Load	15) Add 3 customers per year and increase load slightly

2.7 System Losses

The historical customer class load data used for the Forecast is based on the District's billed load, which includes both District metered and unmetered loads. The unmetered loads (street lighting, security lighting and flats) utilize estimates for monthly energy consumption. The aggregation of District billed load is referred to as "retail load" and this term implies the exclusion of losses associated with serving this load over the District's transmission and distribution system or the BPA system. Refer to the following paragraphs for additional background.

BPA separately meters the District's load. The District's contract with BPA defines both a "point-of-delivery" and a "point-of-metering". The aggregation of load measured by BPA's points-of-metering will include the District's entire retail load, as defined above, but only a portion of the losses associated with the District's transmission and distribution system, because not all of BPA's meters are physically positioned to measure 100% of the losses at their locations. For example, BPA metering is typically installed on the low voltage side of a substation power transformer and therefore does not measure the losses associated with the District's power transformer. Another example is when BPA metering is installed at the substation, but the point-of-delivery is defined at a point upstream where the District's transmission line taps BPA's line. For billing, BPA estimates the losses associated with the difference between the point-of-metering and the point-of-delivery. BPA's billed aggregate load at the point-of-

delivery, also referred to as the District's "wholesale load", is inclusive of the District's entire retail load and the District's entire transmission and distribution system losses.

The difference between BPA's wholesale load and the District's billed retail load is equal to the District's transmission and distribution system losses. These losses are typically represented as a percentage of the wholesale load. The Forecast assumes that the District's transmission and distribution system losses are 3.13%, which is the average of the last 4 years of historical annual losses.

2.8 Peak Forecast

To calculate a monthly peak forecast, a 4-year monthly average load factor was calculated using the historical relationship between the BPA wholesale monthly average energy and monthly peak demand. The average load factor was then applied to the monthly wholesale load forecast to derive peak demands for every month. The peak forecast includes reductions in demand from conservation.

3. Forecast Considerations

3.1 Forecast History

Figure 3-1 shows the forecast history versus actuals for the total system retail load. Recent forecasts have all been very similar, with annual average growth rates averaging about 0.26% for the 2017-2024 vintage forecasts. Past forecast growth rates averaged 0.54% for 2010-2016 forecasts and 1.65% for 2003-2009 forecasts.

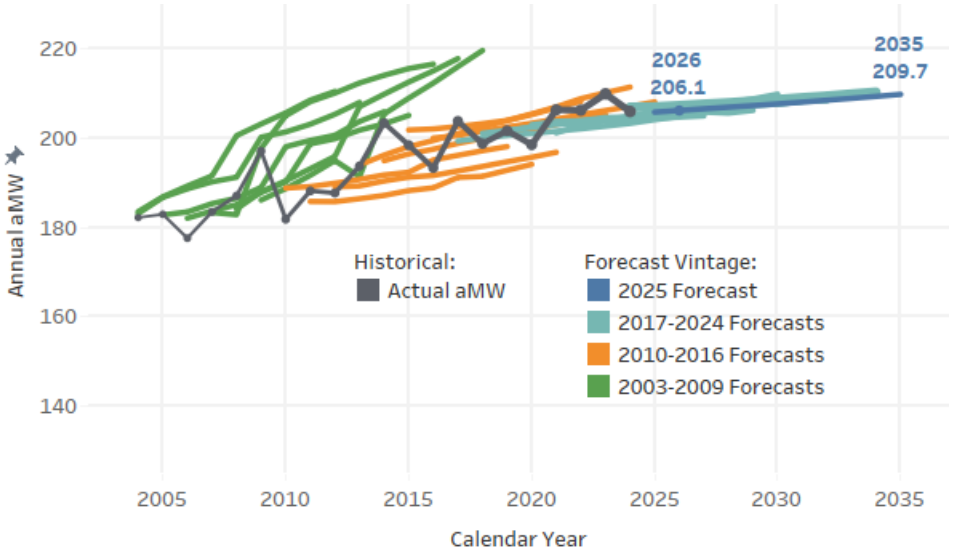

Figure 3-1 – Retail load forecast history

3.2 Forecast Variance

Several factors can cause variation of actuals from the Forecast, including weather, large irrigation customer crop rotations, and unforeseen new loads or loss of loads. The most common driver of the variance is weather, given that the Forecast is based on average load. **Figure 3-2** below shows the variance of actuals versus the prior year's forecast of total system retail load (e.g. the 2024 variance is based on the 2024 actual vs. the 2023 forecast for calendar year 2024). Positive numbers indicate actuals were higher than forecast and negative numbers indicate actuals were lower than forecast.

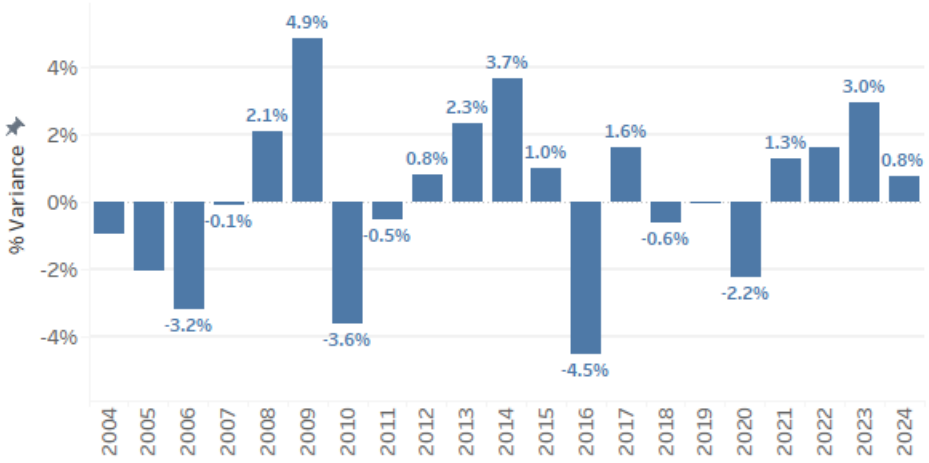

Figure 3-2 – Forecast variance

3.3 Forecast High & Low Case

The Forecast assumes high and low cases that are +/- 5%, which is representative of typical annual forecast variances that can be expected going forward, including due to above or below average weather. **Figure 3-3** below shows forecast for the base, high, and low case.

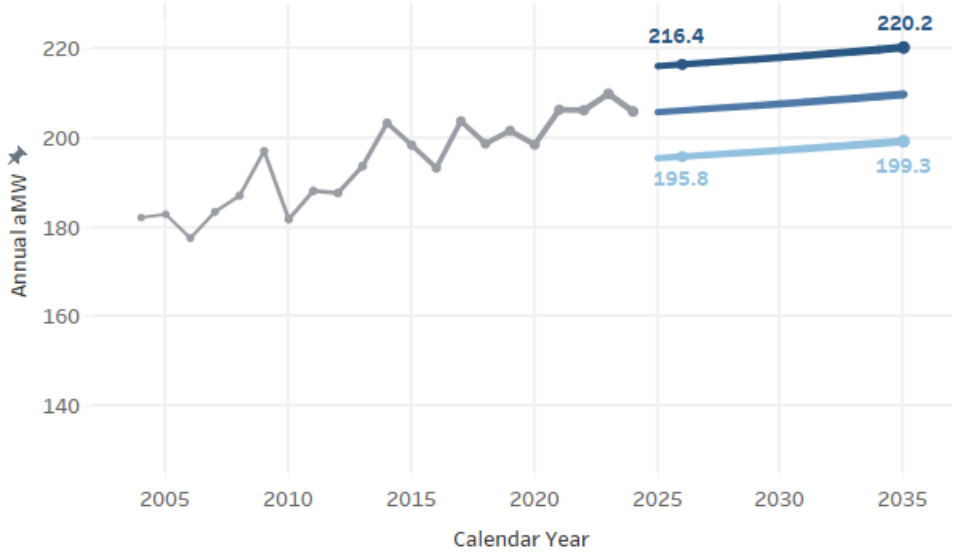

Figure 3-3 – Forecast high and low cases

3.4 Customer Generation

The impact of customer generation reducing load has not been explicitly modeled in the Forecast, however, staff routinely monitors the growth. The District ended calendar year 2024 with 1,155 customer generation services (production meters), an increase of 81 for the year, as shown below in **Figure 3-4**. The federal Inflation Reduction Act (IRA) includes solar Investment Tax Credits (ITC) of 30% through 2032, 26% in 2033 and 22% in 2034. Despite the availability of the ITC, the District expects a slowdown in new solar installations going forward.

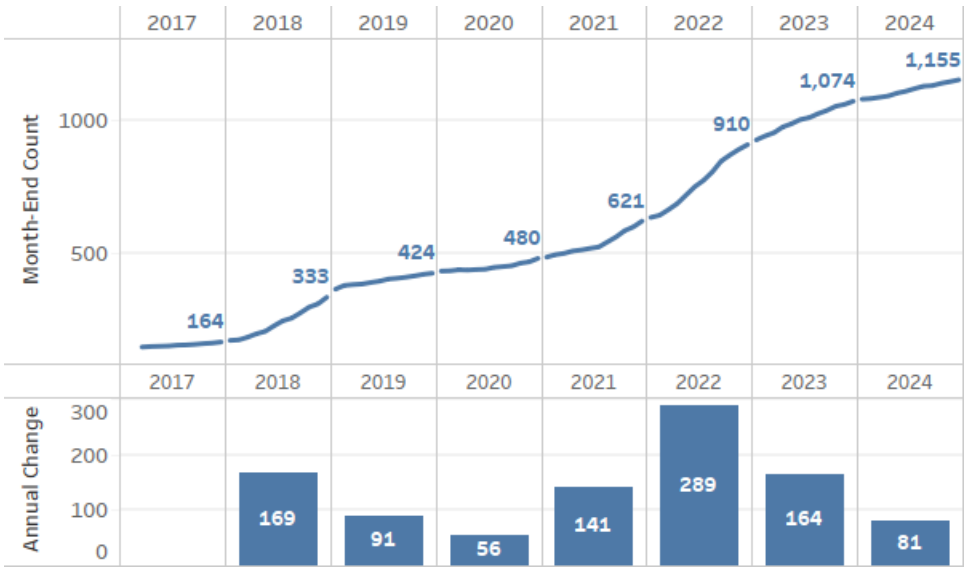

Figure 3-4 – Count of customer generation services

The net metering services are predominantly roof top solar, with only a few services being wind generators. In addition to its net metered customers, the District has 154 customers that funded the construction of two community solar projects, the 74.8 kW Ely Community Solar Project in Kennewick, WA (commissioned July 1, 2015) and the 24.6 kW Old Inland Empire (OIE) Community Solar Project in Prosser, WA (commissioned March 4, 2016). The aggregate annual production of the District's customer generation, including the District's community solar projects, is shown below in **Table 3-1**.

Table 3-1 – Annual amount of customer generation

Calendar Year	Average Megawatts (aMW)	Megawatt-hours (MWh)	Peak Hour Megawatts (MW)	Peak Hour Date & Time
2022	1.0	9,012	5.7	May 3, 2022 12:00-1:00 p.m.
2023	1.4	11,932	7.2	June 14, 2023 12:00-1:00 p.m.
2024	1.5	13,208	8.1	June 3, 2024 12:00-1:00 p.m.

3.5 Electricity Intensive Load

The District has assigned the term "Electricity Intensive Load" (EIL) for the emergence of new loads such as data centers and cryptocurrency mining. As of April 2025, the District has 7 customers operating a total of 9 EIL services across multiple customer classes: 2 residential, 2 small general, 2 medium general, and 3 large general. The EIL services in the large general class represent most of the EIL load; therefore, these loads have been separated out for historical analysis and forecasting. Elsewhere in the report, the EIL loads are included within their respective customer classes, unless otherwise noted.

The historical monthly average load of large general EIL customers had increased up to 5.6 aMW as of March 2024, but then decreased significantly by mid-2024 after 3 EIL services ended service. This Forecast assumes that the currently active, large general EIL loads will continue at about 3.0 aMW annually, as shown below in **Figure 3-5**, a decrease of 2.0 aMW from the 5.0 aMW assumed in the 2024 forecast.

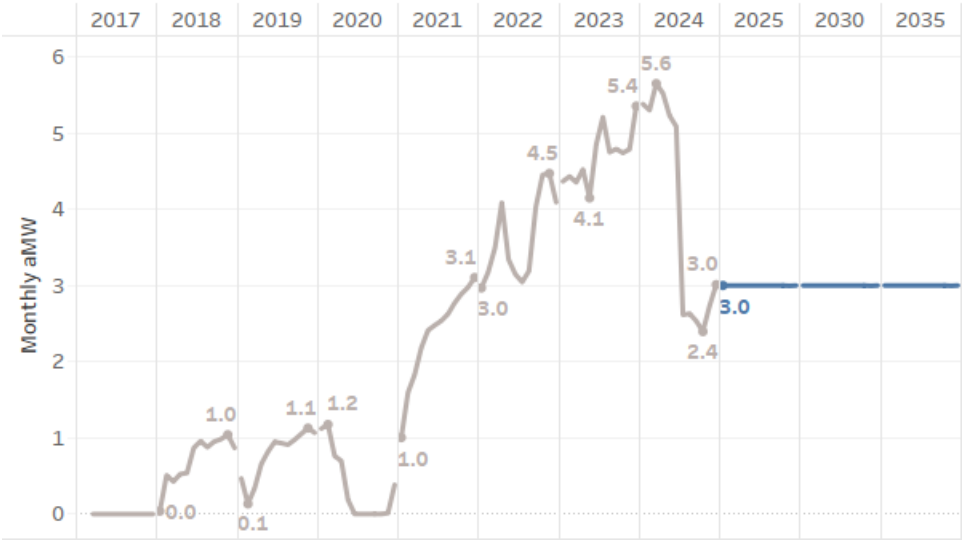

Figure 3-5 – Forecast of large general Electricity Intensive Load

3.6 Electric Vehicles

Another possible source of load growth is electric vehicles (EVs). Due to their current slow adoption rate, the impacts of EV growth are not explicitly included within this Forecast, however, the District continues monitoring, as described below. The 2022 Forecast included an in-depth analysis of EV growth scenarios that remains a relevant reference for resource planning.[4]

The Washington State Department of Licensing (WA DOL) maintains a database and website of electric vehicles registered in Washington State[5]. The data set includes both plug-in hybrid electric vehicles (PHEV) and battery electric vehicles (BEV). District staff is monitoring this data, particularly the adoption rate and total count of BEVs. BEVs are the predominant focus and long-term direction of the EV industry and have greater charging load impact than PHEV technology. According to WA DOL data[6], the Benton County passenger EV adoption rate (percentage of electric vehicles to non-electric vehicles) was 2.0% through December 2024, up from 1.5% in December 2023. Benton County ended 2024 with 2,075 BEVs, an increase of 645 for the year, as shown below in **Figure 3-6**.

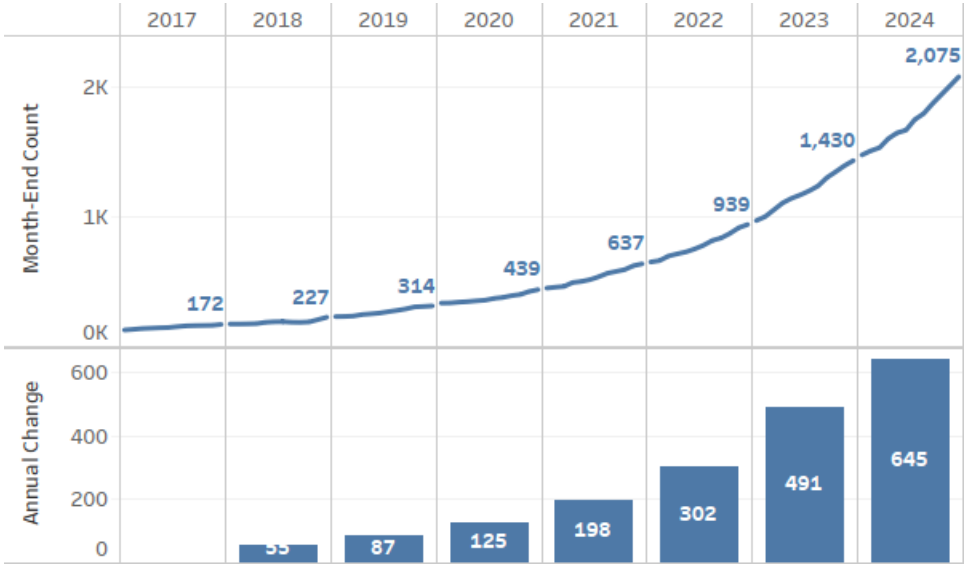

Figure 3-6 – Battery electric vehicles registered in Benton County

Assuming a single BEV uses 2,800 kWh annually–based on a Chevy Bolt at 28 kWh/100 miles driven 10,000 miles per year–2,075 BEV's would add about 0.66 aMW of annual load. If all 2,075 BEV's charged at the same time using a level 2 charger (240-volt, 40 amp) it would add about 20 MW of peak demand. These calculations are for "book-end" reference only, given that the District would not be serving 100% of BEV loads within Benton County, nor would all BEV's charge at their maximum rate at the same time.

In addition to monitoring the WA DOL data, the District tracks its EV rebate program. The District passed Resolution No. 2521 on November 12, 2019 to create an Electrification of Transportation Plan that allows the District to offer incentives/rebates, advertise, and promote the adoption of EV's. Following the adoption of Resolution No. 2521, the District began promoting the benefits of owning an electric vehicle by offering a $250 rebate to customers who purchase or lease a new electric vehicle. The District

[4] For the 2022 Forecast, refer to Resolution No. 2600 – April 26, 2022
[5] https://data.wa.gov/Transportation/Electric-Vehicle-Population-Data/f6w7-q2d2
[6] https://data.wa.gov/Transportation/Monthly-Electric-Vehicle-Adoption-Rate-by-County/crrp-awfs

also began offering a $20 rebate for Energy Star® qualified level 2 EV charges. The annual count of EV rebates is shown below in **Table 3-2**.

Table 3-2– Annual count of electric vehicle rebates

Calendar Year	EV Rebate Count	Level 2 Charger Rebate Count
2020	5	-
2021	9	-
2022	13	-
2023	24	2
2024	20	12
2025*	6	1
Total	77	16

**2025 is only through April 24, 2025*

3.7 Natural Gas/Electrification

Load growth for the District could come in the form of natural gas transition and electrification due to current climate initiatives and political decisions in the state of Washington. In-depth scenarios of natural gas to electric conversion were analyzed by the 2022 Forecast. The impacts have not been explicitly included within this Forecast, but the 2022 analysis remains relevant for resource planning scenarios.

4. Forecast for Total System

See **Figure 4-1** and **Table 4-1** for details of the total system forecast.

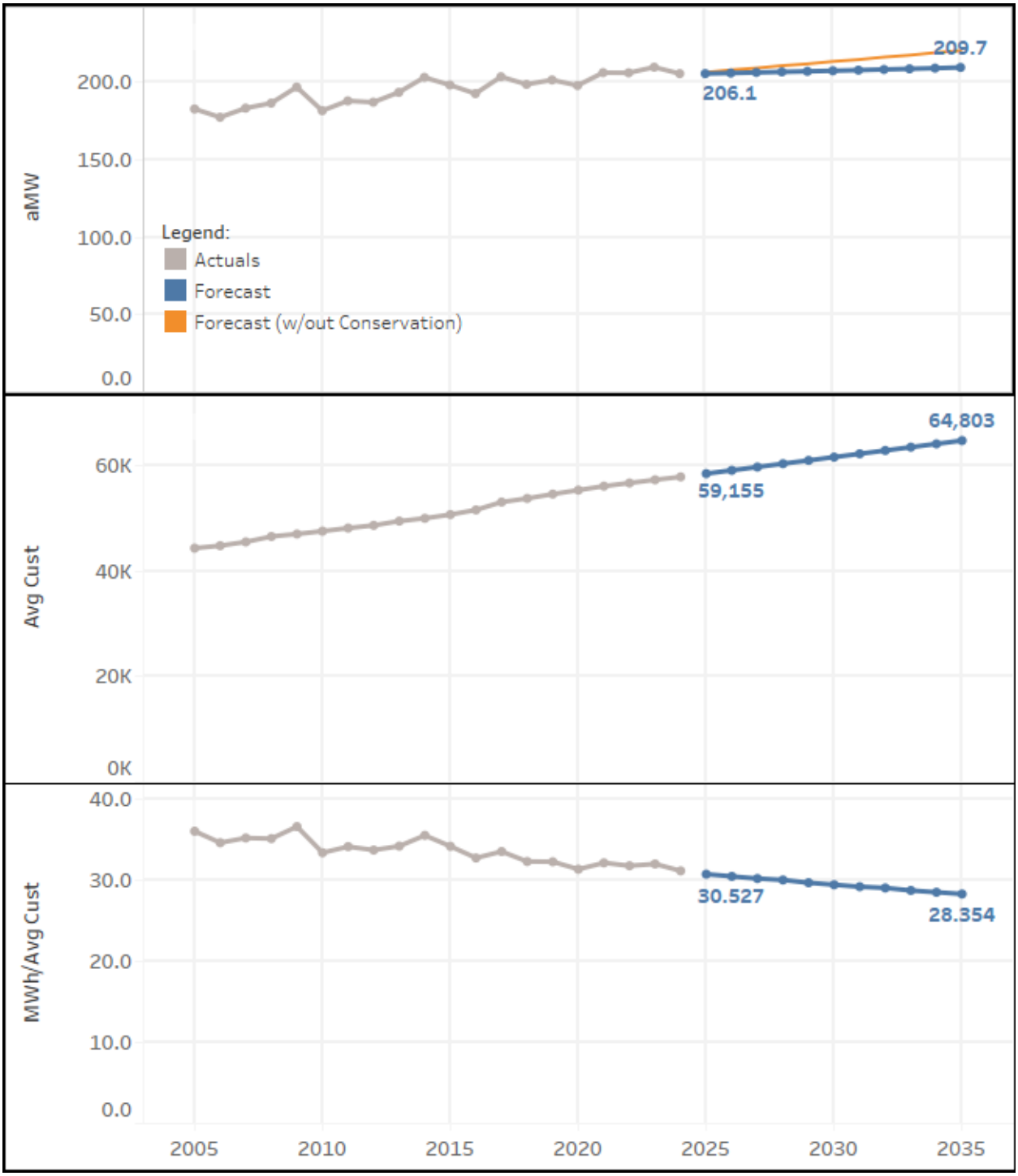

Figure 4-1 – Total System forecast of retail load, customers and usage per customer

Table 4-1 – Total System forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	182.9			1,602,508	44,389	36.101	44,628	0		
2006	177.6	-5.342	-2.9%	1,555,710	44,856	34.682	45,302	674	1.5%	
2007	183.5	5.885	3.3%	1,607,265	45,569	35.271	45,944	642	1.4%	
2008	186.7	3.209	1.7%	1,639,856	46,600	35.190	46,903	959	2.1%	
2009	197.1	10.384	5.6%	1,726,341	47,074	36.673	47,328	425	0.9%	
2010	181.8	-15.244	-7.7%	1,592,802	47,617	33.450	47,937	609	1.3%	
2011	188.2	6.342	3.5%	1,648,362	48,197	34.201	48,455	518	1.1%	
2012	187.3	-0.865	-0.5%	1,645,277	48,710	33.777	49,059	604	1.2%	
2013	193.7	6.392	3.4%	1,696,774	49,520	34.264	49,816	757	1.5%	
2014	203.3	9.652	5.0%	1,781,322	50,053	35.589	50,382	566	1.1%	
2015	198.4	-4.943	-2.4%	1,738,022	50,762	34.239	51,166	784	1.6%	
2016	192.9	-5.545	-2.8%	1,694,078	51,643	32.804	52,097	931	1.8%	
2017	203.8	10.893	5.6%	1,784,871	53,130	33.594	53,510	1,413	2.7%	
2018	198.8	-4.917	-2.4%	1,741,798	53,818	32.365	54,204	694	1.3%	
2019	201.7	2.851	1.4%	1,766,774	54,644	32.332	55,016	812	1.5%	
2020	198.1	-3.595	-1.8%	1,740,034	55,398	31.410	55,802	786	1.4%	
2021	206.4	8.294	4.2%	1,807,939	56,149	32.199	56,454	652	1.2%	
2022	206.3	-0.111	-0.1%	1,806,970	56,753	31.839	57,007	553	1.0%	
2023	209.9	3.641	1.8%	1,838,863	57,357	32.060	57,674	667	1.2%	
2024	205.8	-4.144	-2.0%	1,807,504	57,910	31.212	58,188	514	0.9%	
2025	205.8	0.002	0.0%	1,802,580	58,528	30.799	58,815	627	1.1%	0.800
2026	206.1	0.369	0.2%	1,805,809	59,155	30.527	59,443	628	1.1%	2.000
2027	206.5	0.379	0.2%	1,809,127	59,783	30.262	60,070	627	1.1%	2.800
2028	206.9	0.364	0.2%	1,817,278	60,410	30.082	60,698	628	1.0%	4.000
2029	207.2	0.352	0.2%	1,815,392	61,038	29.742	61,325	627	1.0%	4.800
2030	207.6	0.381	0.2%	1,818,732	61,665	29.494	61,953	628	1.0%	6.000
2031	208.0	0.394	0.2%	1,822,186	62,293	29.252	62,580	627	1.0%	6.800
2032	208.4	0.429	0.2%	1,830,945	62,920	29.099	63,208	628	1.0%	8.000
2033	208.8	0.407	0.2%	1,829,512	63,548	28.790	63,835	627	1.0%	8.800
2034	209.3	0.443	0.2%	1,833,390	64,175	28.568	64,463	628	1.0%	10.000
2035	209.7	0.457	0.2%	1,837,390	64,803	28.354	65,090	627	1.0%	10.800

5. Forecast by Customer Class

5.1 Residential

See **Figure 5-1** and **Table 5-1** for details of the residential forecast.

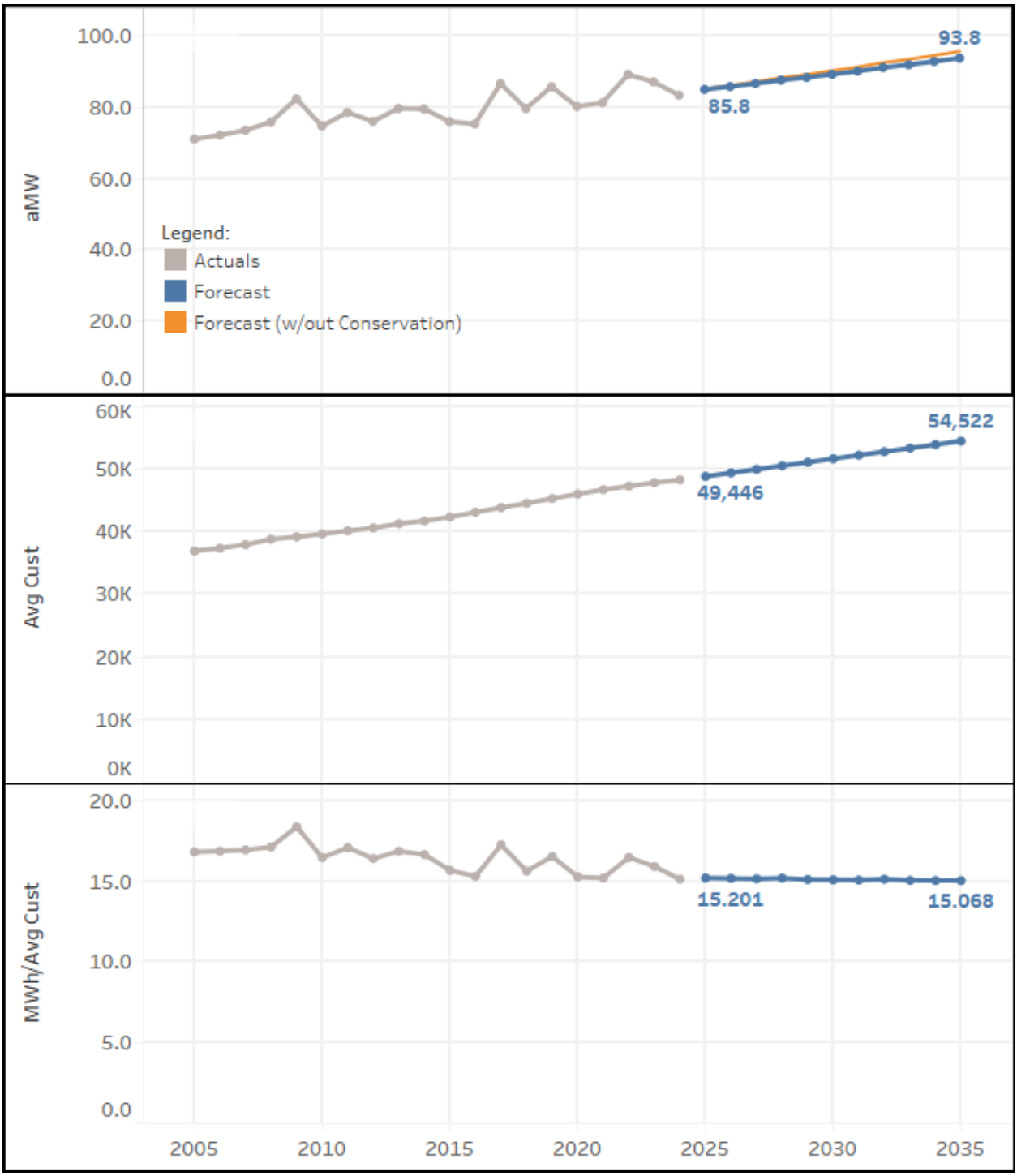

Figure 5-1 – Residential forecast of retail load, customers and usage per customer

Table 5-1 – Residential forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	71.1			622,639	36,963	16.845	37,236			
2006	72.2	1.093	1.5%	632,213	37,418	16.896	37,802	566	1.5%	
2007	73.6	1.390	1.9%	644,392	37,969	16.972	38,285	483	1.3%	
2008	75.9	2.306	3.1%	666,418	38,855	17.151	39,095	810	2.1%	
2009	82.4	6.521	8.6%	721,719	39,220	18.402	39,430	335	0.9%	
2010	74.7	-7.642	-9.3%	654,775	39,687	16.498	39,973	543	1.4%	
2011	78.5	3.787	5.1%	687,953	40,201	17.113	40,432	459	1.1%	
2012	76.0	-2.484	-3.2%	668,018	40,645	16.435	40,955	523	1.3%	
2013	79.7	3.618	4.8%	697,887	41,321	16.889	41,561	606	1.5%	
2014	79.5	-0.124	-0.2%	696,804	41,758	16.687	42,039	478	1.2%	
2015	76.0	-3.573	-4.5%	665,505	42,375	15.705	42,724	685	1.6%	
2016	75.3	-0.636	-0.8%	661,742	43,157	15.333	43,574	850	2.0%	
2017	86.6	11.309	15.0%	759,000	43,895	17.291	44,244	670	1.5%	
2018	79.7	-6.983	-8.1%	697,827	44,578	15.654	44,967	723	1.6%	
2019	85.8	6.101	7.7%	751,276	45,348	16.567	45,717	750	1.7%	
2020	80.2	-5.555	-6.5%	704,537	46,053	15.298	46,420	703	1.5%	
2021	81.3	1.067	1.3%	711,958	46,763	15.225	47,033	613	1.3%	
2022	89.2	7.896	9.7%	781,127	47,320	16.507	47,573	540	1.1%	
2023	87.1	-2.050	-2.3%	763,170	47,866	15.944	48,133	560	1.2%	
2024	83.4	-3.736	-4.3%	732,442	48,332	15.154	48,576	443	0.9%	
2025	85.0	1.595	1.9%	744,415	48,882	15.229	49,140	564	1.2%	0.136
2026	85.8	0.823	1.0%	751,621	49,446	15.201	49,704	564	1.1%	0.341
2027	86.6	0.841	1.0%	758,988	50,010	15.177	50,268	564	1.1%	0.478
2028	87.6	0.975	1.1%	769,629	50,574	15.218	50,832	564	1.1%	0.682
2029	88.4	0.736	0.8%	773,977	51,138	15.135	51,396	564	1.1%	0.819
2030	89.2	0.871	1.0%	781,604	51,702	15.118	51,960	564	1.1%	1.023
2031	90.1	0.889	1.0%	789,392	52,266	15.103	52,524	564	1.1%	1.160
2032	91.1	1.029	1.1%	800,595	52,830	15.154	53,088	564	1.1%	1.365
2033	91.9	0.780	0.9%	805,238	53,394	15.081	53,652	564	1.1%	1.501
2034	92.8	0.920	1.0%	813,300	53,958	15.073	54,216	564	1.1%	1.706
2035	93.8	0.939	1.0%	821,528	54,522	15.068	54,780	564	1.0%	1.842

5.2 Small General

See **Figure 5-2** and **Table 5-2** for details of the Small General Service forecast.

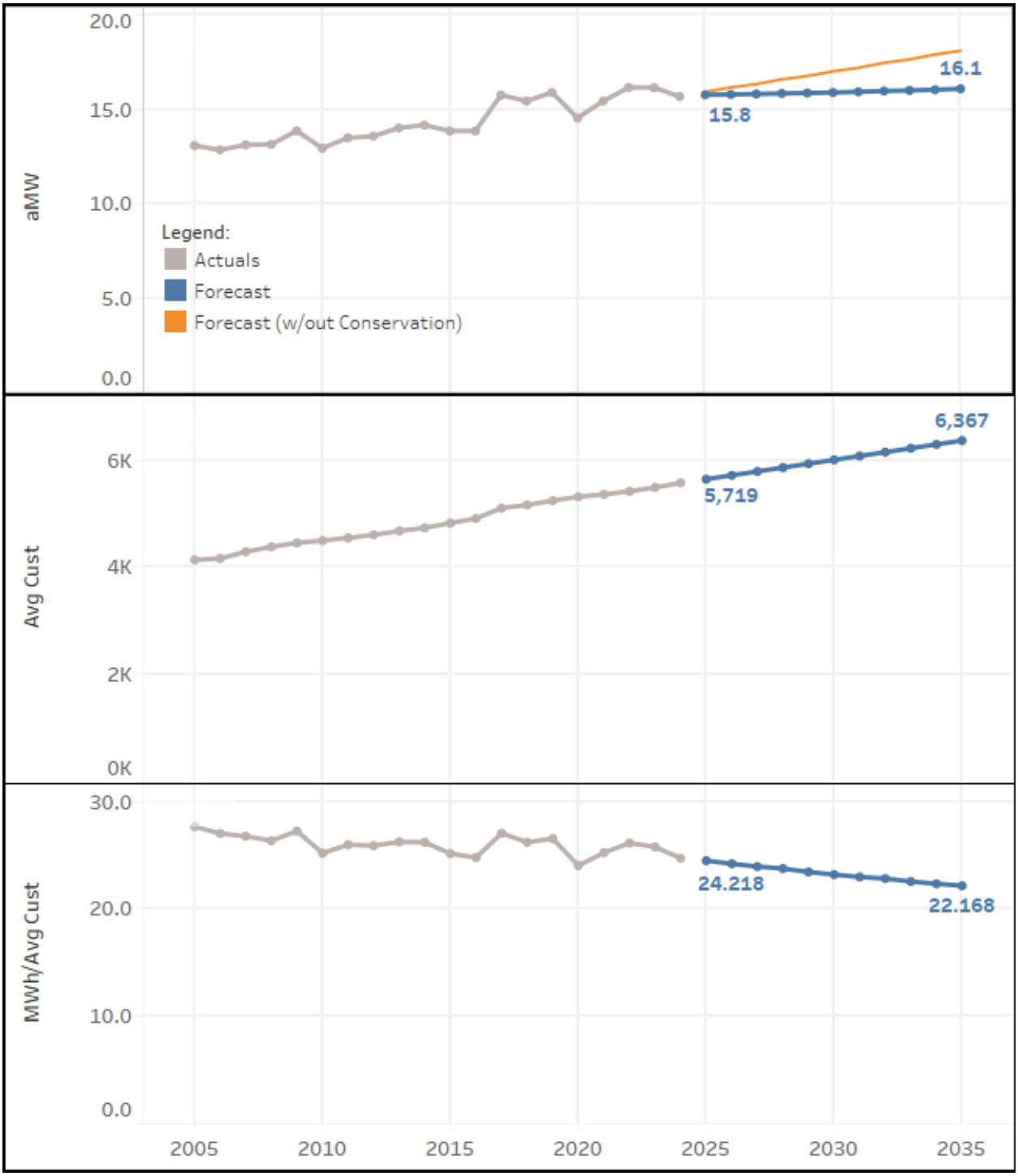

Figure 5-2 – Small General forecast of retail load, customers and usage per customer

Table 5-2 – Small General forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	13.1			114,710	4,144	27.681	4,128			
2006	12.9	-0.229	-1.7%	112,705	4,169	27.034	4,232	104	2.5%	
2007	13.1	0.268	2.1%	115,049	4,295	26.787	4,324	92	2.2%	
2008	13.2	0.029	0.2%	115,616	4,385	26.366	4,445	121	2.8%	
2009	13.9	0.717	5.4%	121,580	4,460	27.260	4,484	39	0.9%	
2010	13.0	-0.924	-6.7%	113,483	4,503	25.202	4,528	44	1.0%	
2011	13.5	0.554	4.3%	118,338	4,553	25.991	4,576	48	1.1%	
2012	13.6	0.086	0.6%	119,421	4,610	25.905	4,652	76	1.7%	
2013	14.0	0.438	3.2%	122,928	4,682	26.255	4,709	57	1.2%	
2014	14.2	0.155	1.1%	124,285	4,741	26.215	4,784	75	1.6%	
2015	13.9	-0.318	-2.2%	121,498	4,828	25.165	4,883	99	2.1%	
2016	13.9	0.004	0.0%	121,868	4,915	24.795	4,949	66	1.4%	
2017	15.8	1.906	13.7%	138,233	5,108	27.062	5,175	226	4.6%	
2018	15.5	-0.319	-2.0%	135,443	5,166	26.218	5,170	-5	-0.1%	
2019	15.9	0.454	2.9%	139,416	5,248	26.565	5,282	112	2.2%	
2020	14.6	-1.355	-8.5%	127,892	5,319	24.044	5,354	72	1.4%	
2021	15.5	0.901	6.2%	135,437	5,364	25.249	5,388	34	0.6%	
2022	16.2	0.721	4.7%	141,750	5,421	26.148	5,430	42	0.8%	
2023	16.2	-0.010	-0.1%	141,664	5,493	25.790	5,541	111	2.0%	
2024	15.7	-0.470	-2.9%	137,921	5,578	24.726	5,608	67	1.2%	
2025	15.8	0.094	0.6%	138,365	5,647	24.502	5,680	72	1.3%	0.150
2026	15.8	0.016	0.1%	138,503	5,719	24.218	5,752	72	1.3%	0.374
2027	15.8	0.025	0.2%	138,723	5,791	23.955	5,824	72	1.3%	0.524
2028	15.9	0.031	0.2%	139,371	5,863	23.771	5,896	72	1.2%	0.749
2029	15.9	0.022	0.1%	139,180	5,935	23.451	5,968	72	1.2%	0.899
2030	15.9	0.027	0.2%	139,413	6,007	23.208	6,040	72	1.2%	1.123
2031	16.0	0.036	0.2%	139,732	6,079	22.986	6,112	72	1.2%	1.273
2032	16.0	0.042	0.3%	140,484	6,151	22.839	6,184	72	1.2%	1.498
2033	16.0	0.033	0.2%	140,385	6,223	22.559	6,256	72	1.2%	1.647
2034	16.1	0.038	0.2%	140,720	6,295	22.354	6,328	72	1.2%	1.872
2035	16.1	0.048	0.3%	141,141	6,367	22.168	6,400	72	1.1%	2.022

5.3 Medium General

See **Figure 5-3** and **Table 5-3** for details of the Medium General Service forecast.

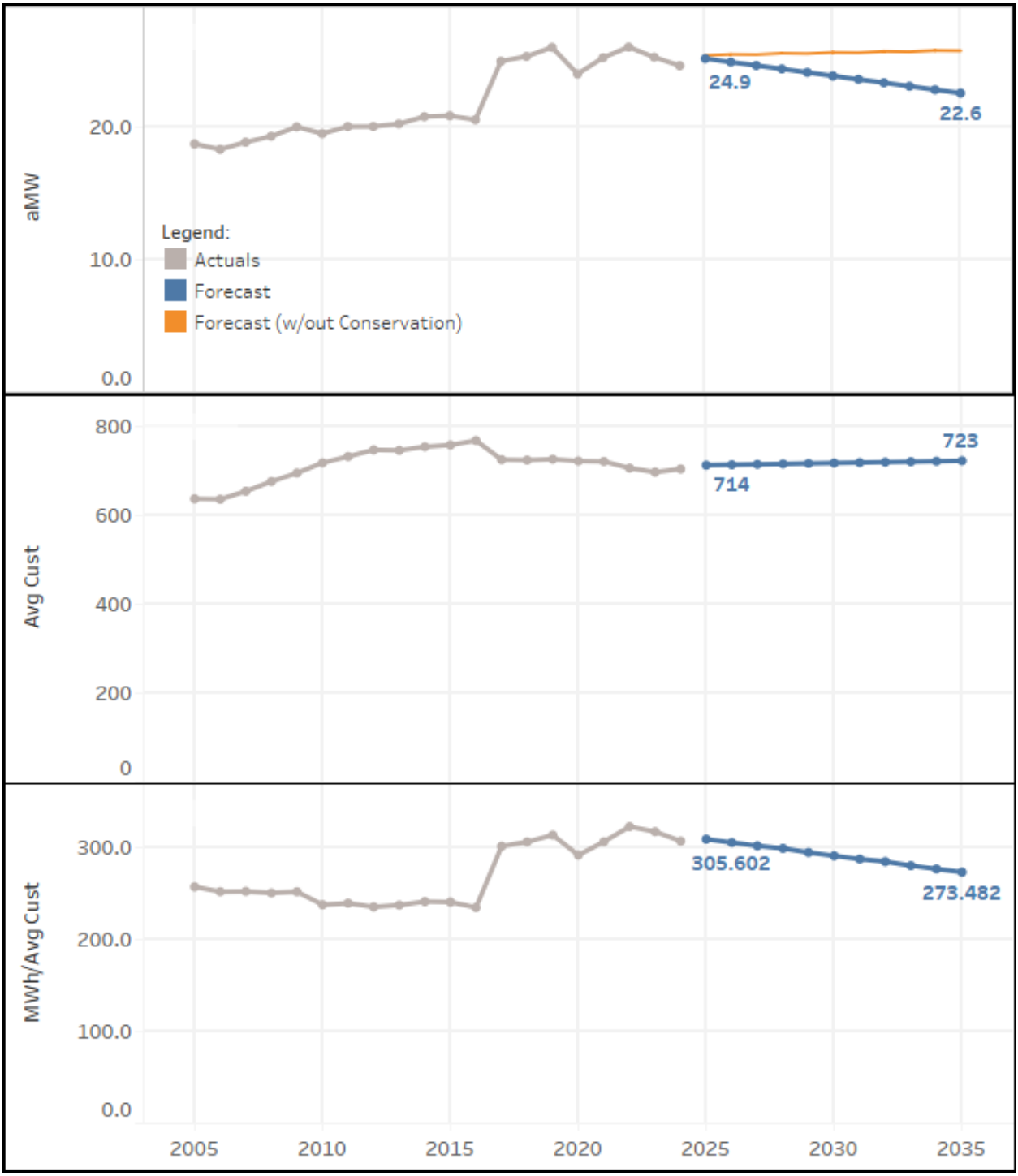

Figure 5-3 – Medium General forecast of retail load, customers and usage per customer

Table 5-3 – Medium General forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	18.7			164,043	637	257.524	627			
2006	18.3	-0.411	-2.2%	160,440	636	252.263	641	14	2.2%	
2007	18.9	0.542	3.0%	165,186	654	252.577	665	24	3.7%	
2008	19.3	0.448	2.4%	169,571	676	250.845	683	18	2.7%	
2009	20.0	0.703	3.6%	175,265	695	252.179	707	24	3.5%	
2010	19.5	-0.502	-2.5%	170,868	718	237.977	725	18	2.5%	
2011	20.0	0.525	2.7%	175,463	732	239.704	747	22	3.0%	
2012	20.0	0.006	0.0%	175,999	747	235.607	742	-5	-0.7%	
2013	20.2	0.198	1.0%	177,250	746	237.601	750	8	1.1%	
2014	20.8	0.547	2.7%	182,044	754	241.437	758	8	1.1%	
2015	20.8	0.065	0.3%	182,610	758	240.911	762	4	0.5%	
2016	20.5	-0.301	-1.4%	180,467	768	234.983	775	13	1.7%	
2017	25.0	4.416	21.5%	218,659	725	301.599	716	-59	-7.6%	
2018	25.3	0.362	1.5%	221,833	724	306.399	728	12	1.7%	
2019	26.0	0.684	2.7%	227,826	726	313.810	721	-7	-1.0%	
2020	24.0	-2.012	-7.7%	210,780	722	291.939	727	6	0.8%	
2021	25.2	1.235	5.1%	221,024	721	306.552	713	-14	-1.9%	
2022	26.0	0.799	3.2%	228,026	706	322.983	702	-11	-1.5%	
2023	25.3	-0.764	-2.9%	221,333	697	317.552	701	-1	-0.1%	
2024	24.6	-0.643	-2.5%	216,288	704	307.227	712	11	1.6%	
2025	25.2	0.535	2.2%	220,386	713	309.296	713	1	0.1%	0.237
2026	24.9	-0.266	-1.1%	218,060	714	305.602	714	1	0.1%	0.591
2027	24.6	-0.255	-1.0%	215,826	715	302.048	715	1	0.1%	0.828
2028	24.4	-0.258	-1.0%	214,149	716	299.283	716	1	0.1%	1.183
2029	24.1	-0.262	-1.1%	211,267	717	294.842	717	1	0.1%	1.419
2030	23.9	-0.265	-1.1%	208,941	718	291.191	718	1	0.1%	1.774
2031	23.6	-0.255	-1.1%	206,710	719	287.679	719	1	0.1%	2.011
2032	23.3	-0.258	-1.1%	205,011	720	284.919	720	1	0.1%	2.366
2033	23.1	-0.262	-1.1%	202,155	721	280.559	721	1	0.1%	2.602
2034	22.8	-0.265	-1.1%	199,832	722	276.952	722	1	0.1%	2.957
2035	22.6	-0.255	-1.1%	197,602	723	273.482	723	1	0.1%	3.194

5.4 Large General

See **Figure 5-4** and **Table 5-4** for details of the Large General Service forecast.

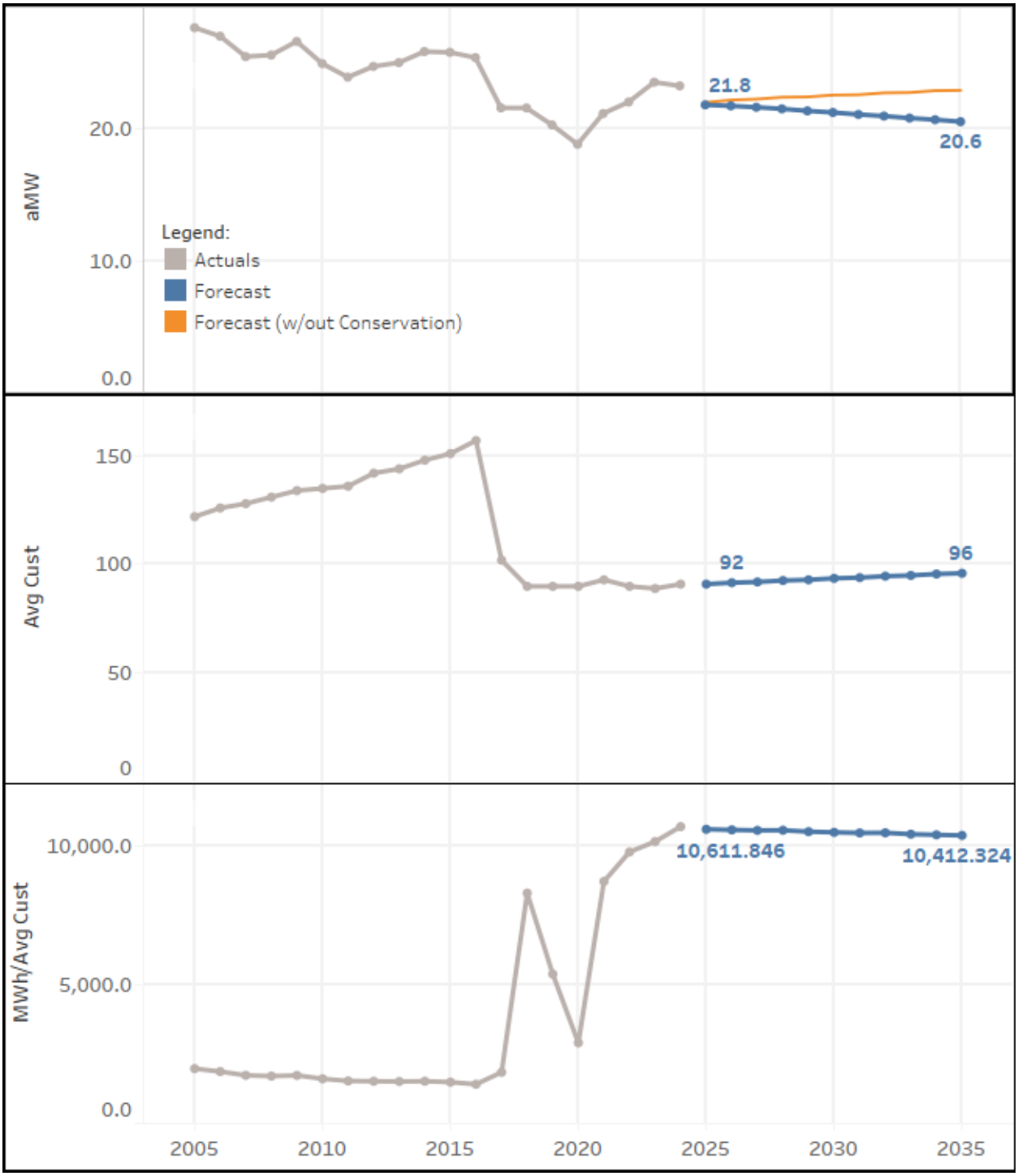

Figure 5-4 – Large General forecast of retail load, customers and usage per customer

Table 5-4 – Large General forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	27.7			242,555	122	1,988	123			
2006	27.0	-0.645	-2.3%	236,908	126	1,880	127	4	3.3%	
2007	25.5	-1.552	-5.7%	223,317	128	1,745	131	4	3.1%	
2008	25.6	0.117	0.5%	224,958	131	1,717	132	1	0.8%	
2009	26.6	1.035	4.0%	233,410	134	1,742	135	3	2.3%	
2010	25.0	-1.681	-6.3%	218,686	135	1,620	135	0	0.0%	
2011	23.9	-1.029	-4.1%	209,669	136	1,542	141	6	4.4%	
2012	24.7	0.812	3.4%	217,377	142	1,531	143	2	1.4%	
2013	25.0	0.289	1.2%	219,315	144	1,523	146	3	2.1%	
2014	25.9	0.841	3.4%	226,679	148	1,532	151	5	3.4%	
2015	25.8	-0.058	-0.2%	226,175	151	1,498	153	2	1.3%	
2016	25.4	-0.401	-1.6%	223,268	157	1,422	160	7	4.6%	
2017	21.6	-3.819	-15.0%	189,204	102	1,855	89	-71	-44.4%	
2018	21.6	-0.004	0.0%	189,170	90	8,327	91	2	2.2%	
2019	20.3	-1.291	-6.0%	177,864	90	5,403	88	-3	-3.3%	
2020	18.8	-1.468	-7.2%	165,455	90	2,920	93	5	5.7%	
2021	21.2	2.333	12.4%	185,439	93	8,751	90	-3	-3.2%	
2022	22.0	0.878	4.1%	193,126	90	9,813	89	-1	-1.1%	
2023	23.6	1.506	6.8%	206,319	89	10,189	90	1	1.1%	
2024	23.3	-0.281	-1.2%	204,419	91	10,730	91	1	1.1%	
2025	21.8	-1.443	-6.2%	191,222	91	10,633	91	0	0.0%	0.176
2026	21.8	-0.076	-0.3%	190,559	92	10,612	92	1	1.1%	0.441
2027	21.6	-0.106	-0.5%	189,627	92	10,594	92	0	0.0%	0.617
2028	21.5	-0.120	-0.6%	189,090	93	10,598	93	1	1.1%	0.881
2029	21.4	-0.154	-0.7%	187,228	93	10,547	93	0	0.0%	1.058
2030	21.3	-0.122	-0.6%	186,158	94	10,522	94	1	1.1%	1.322
2031	21.1	-0.152	-0.7%	184,829	94	10,501	94	0	0.0%	1.498
2032	21.0	-0.121	-0.6%	184,273	95	10,506	95	1	1.1%	1.763
2033	20.8	-0.153	-0.7%	182,431	95	10,456	95	0	0.0%	1.939
2034	20.7	-0.122	-0.6%	181,361	96	10,433	96	1	1.1%	2.203
2035	20.6	-0.152	-0.7%	180,033	96	10,412	96	0	0.0%	2.380

5.5 Large Industrial

See **Figure 5-5** and **Table 5-5** for details of the Large Industrial forecast.

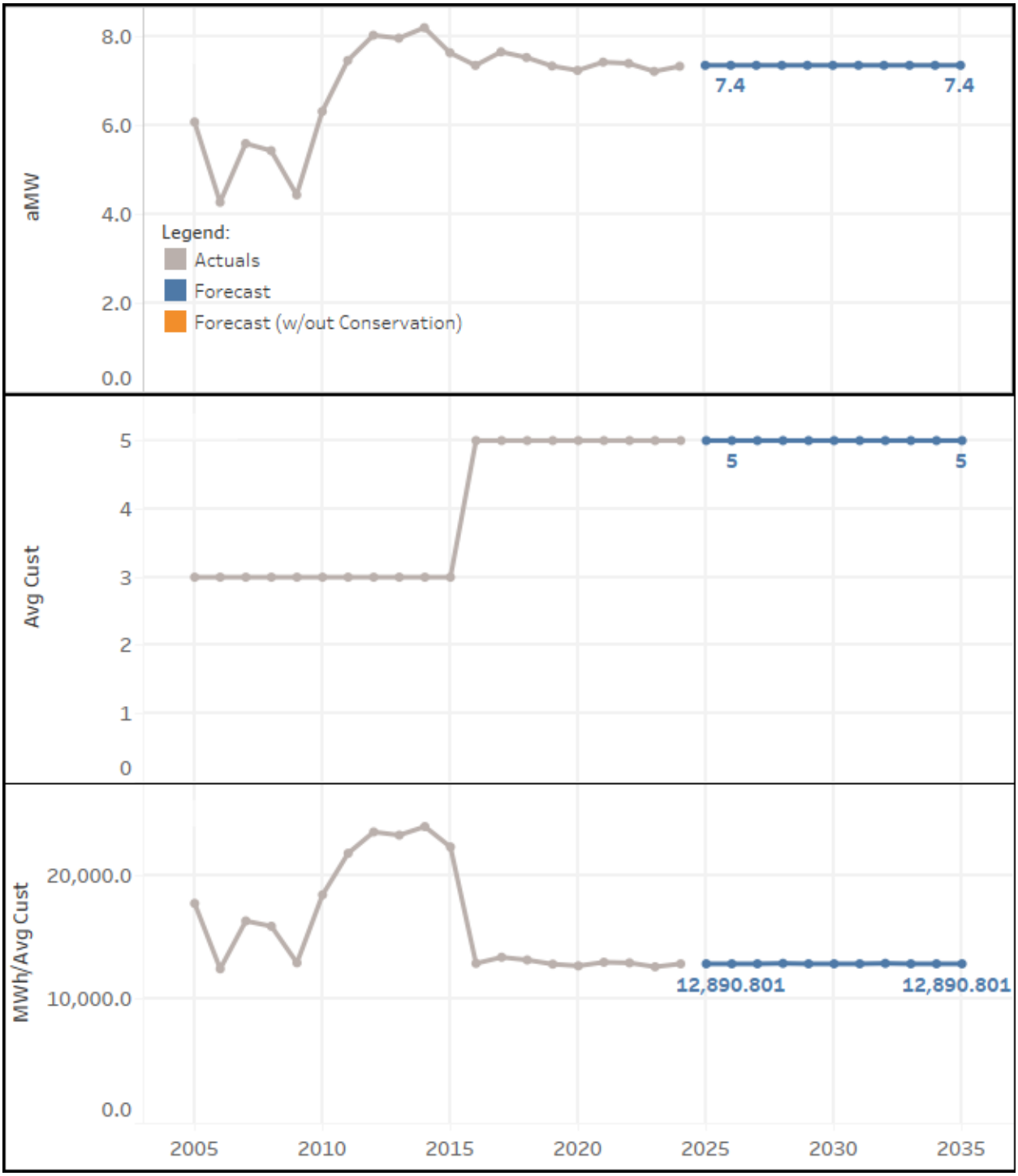

Figure 5-5 – Large Industrial forecast of retail load, customers and usage per customer

Table 5-5 – Large Industrial forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	6.1			53,286	3	17,762	3			
2006	4.3	-1.807	-29.7%	37,456	3	12,485	3	0	0.0%	
2007	5.6	1.323	30.9%	49,045	3	16,348	3	0	0.0%	
2008	5.4	-0.162	-2.9%	47,760	3	15,920	3	0	0.0%	
2009	4.4	-0.996	-18.3%	38,909	3	12,970	3	0	0.0%	
2010	6.3	1.878	42.3%	55,365	3	18,455	3	0	0.0%	
2011	7.5	1.147	18.1%	65,411	3	21,804	3	0	0.0%	
2012	8.0	0.568	7.6%	70,575	3	23,525	3	0	0.0%	
2013	8.0	-0.066	-0.8%	69,803	3	23,268	3	0	0.0%	
2014	8.2	0.236	3.0%	71,869	3	23,956	3	0	0.0%	
2015	7.6	-0.563	-6.9%	66,942	3	22,314	3	0	0.0%	
2016	7.4	-0.286	-3.7%	64,612	5	12,922	5	2	66.7%	
2017	7.7	0.304	4.1%	67,101	5	13,420	5	0	0.0%	
2018	7.5	-0.126	-1.6%	65,997	5	13,199	5	0	0.0%	
2019	7.3	-0.192	-2.5%	64,318	5	12,864	5	0	0.0%	
2020	7.2	-0.099	-1.3%	63,625	5	12,725	5	0	0.0%	
2021	7.4	0.186	2.6%	65,084	5	13,017	5	0	0.0%	
2022	7.4	-0.028	-0.4%	64,835	5	12,967	5	0	0.0%	
2023	7.2	-0.181	-2.4%	63,252	5	12,650	5	0	0.0%	
2024	7.3	0.116	1.6%	64,445	5	12,889	5	0	0.0%	
2025	7.4	0.021	0.3%	64,454	5	12,891	5	0	0.0%	0.000
2026	7.4	0.000	0.0%	64,454	5	12,891	5	0	0.0%	0.000
2027	7.4	0.000	0.0%	64,454	5	12,891	5	0	0.0%	0.000
2028	7.4	0.000	0.0%	64,631	5	12,926	5	0	0.0%	0.000
2029	7.4	0.000	0.0%	64,454	5	12,891	5	0	0.0%	0.000
2030	7.4	0.000	0.0%	64,454	5	12,891	5	0	0.0%	0.000
2031	7.4	0.000	0.0%	64,454	5	12,891	5	0	0.0%	0.000
2032	7.4	0.000	0.0%	64,631	5	12,926	5	0	0.0%	0.000
2033	7.4	0.000	0.0%	64,454	5	12,891	5	0	0.0%	0.000
2034	7.4	0.000	0.0%	64,454	5	12,891	5	0	0.0%	0.000
2035	7.4	0.000	0.0%	64,454	5	12,891	5	0	0.0%	0.000

5.6 Small Irrigation

See **Figure 5-6** and **Table 5-6** for details of the Small Irrigation forecast.

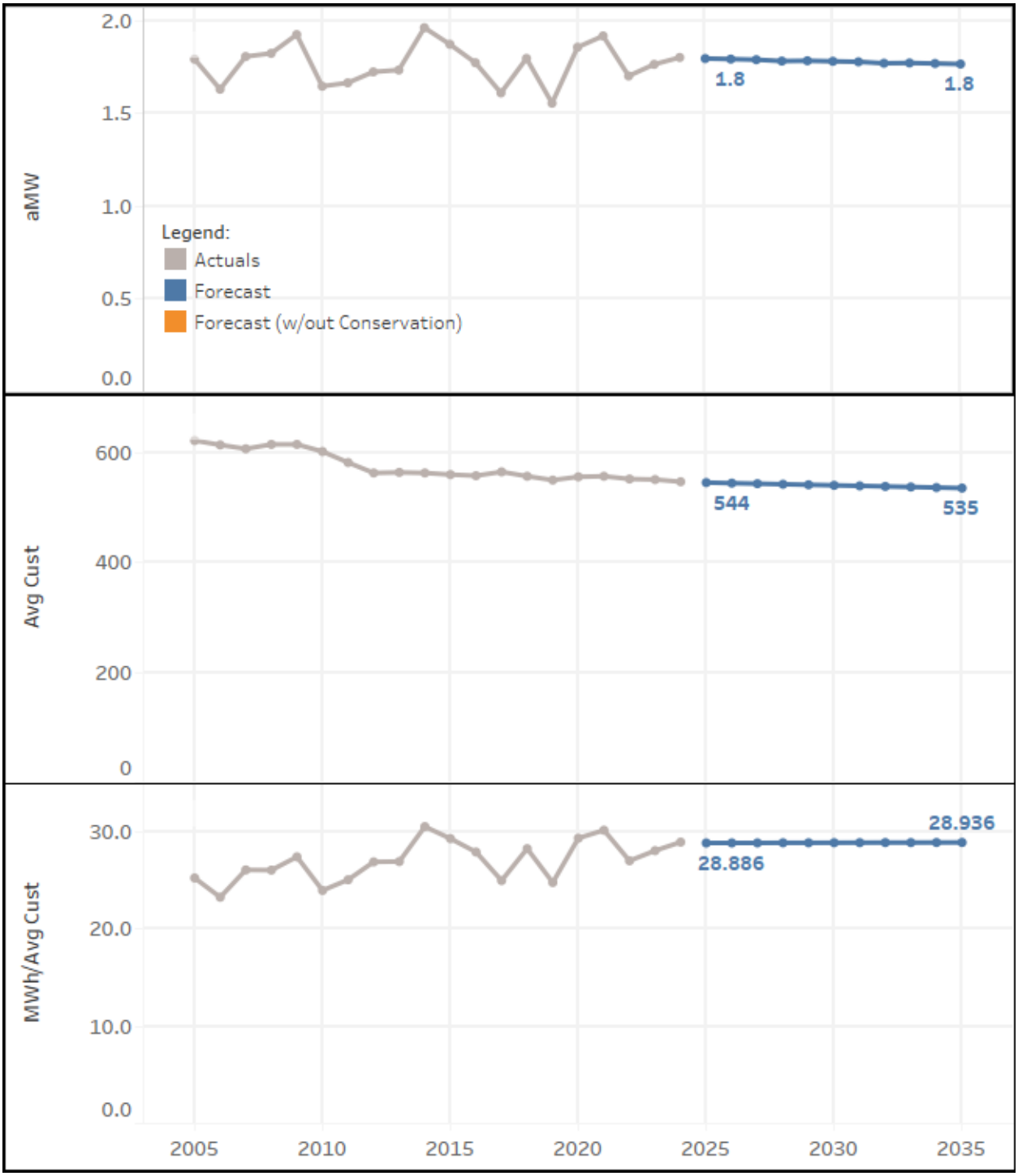

Figure 5-6 – Small Irrigation forecast of retail load, customers and usage per customer

Table 5-6 – Small Irrigation forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	1.8			15,724	622	25.280	619			
2006	1.6	-0.162	-9.0%	14,305	614	23.298	602	-17	-2.7%	
2007	1.8	0.176	10.8%	15,849	607	26.110	609	7	1.2%	
2008	1.8	0.017	0.9%	16,043	615	26.086	615	6	1.0%	
2009	1.9	0.101	5.5%	16,884	615	27.453	610	-5	-0.8%	
2010	1.6	-0.278	-14.4%	14,446	602	23.997	594	-16	-2.6%	
2011	1.7	0.018	1.1%	14,607	582	25.097	573	-21	-3.5%	
2012	1.7	0.059	3.5%	15,165	563	26.936	555	-18	-3.1%	
2013	1.7	0.010	0.6%	15,211	564	26.970	563	8	1.4%	
2014	2.0	0.228	13.1%	17,209	563	30.566	559	-4	-0.7%	
2015	1.9	-0.090	-4.6%	16,425	560	29.330	558	-1	-0.2%	
2016	1.8	-0.099	-5.3%	15,597	558	27.952	556	-2	-0.4%	
2017	1.6	-0.162	-9.1%	14,132	565	25.013	565	9	1.6%	
2018	1.8	0.186	11.5%	15,761	557	28.295	553	-12	-2.1%	
2019	1.6	-0.241	-13.4%	13,647	550	24.812	539	-14	-2.5%	
2020	1.9	0.301	19.3%	16,332	556	29.374	557	18	3.3%	
2021	1.9	0.061	3.3%	16,820	557	30.198	552	-5	-0.9%	
2022	1.7	-0.216	-11.2%	14,931	552	27.049	549	-3	-0.5%	
2023	1.8	0.063	3.7%	15,480	551	28.094	547	-2	-0.4%	
2024	1.8	0.037	2.1%	15,847	547	28.971	546	-1	-0.2%	
2025	1.8	-0.006	-0.3%	15,753	545	28.880	545	-1	-0.2%	0.000
2026	1.8	-0.003	-0.2%	15,727	544	28.886	544	-1	-0.2%	0.000
2027	1.8	-0.003	-0.2%	15,699	543	28.888	543	-1	-0.2%	0.000
2028	1.8	-0.007	-0.4%	15,677	542	28.900	542	-1	-0.2%	0.000
2029	1.8	0.002	0.1%	15,649	541	28.901	541	-1	-0.2%	0.000
2030	1.8	-0.003	-0.2%	15,623	540	28.907	540	-1	-0.2%	0.000
2031	1.8	-0.003	-0.2%	15,599	539	28.916	539	-1	-0.2%	0.000
2032	1.8	-0.008	-0.4%	15,573	538	28.922	538	-1	-0.2%	0.000
2033	1.8	0.002	0.1%	15,545	537	28.922	537	-1	-0.2%	0.000
2034	1.8	-0.003	-0.2%	15,520	536	28.930	536	-1	-0.2%	0.000
2035	1.8	-0.003	-0.2%	15,494	535	28.936	535	-1	-0.2%	0.000

5.7 Large Irrigation

See **Figure 5-7** and **Table 5-7** for the details of the Large Irrigation forecast.

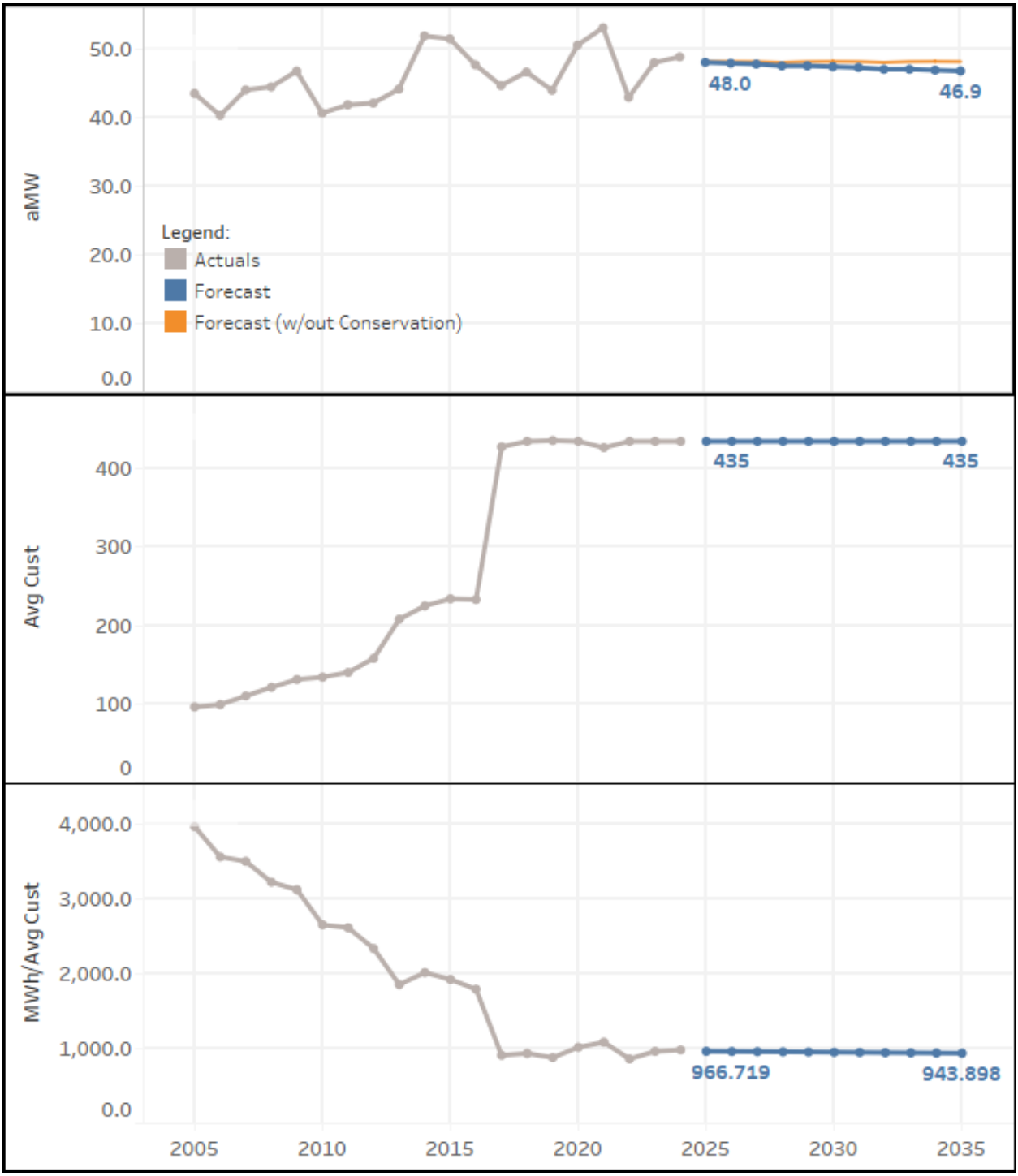

Figure 5-7 – Large Irrigation forecast of retail load, customers and usage per customer

Table 5-7 – Large Irrigation forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	43.6			381,927	96	3,978.407	96			
2006	40.4	-3.217	-7.4%	353,743	99	3,573.162	101	5	5.2%	
2007	44.1	3.728	9.2%	386,402	110	3,512.746	116	15	14.9%	
2008	44.6	0.447	1.0%	391,389	121	3,234.619	124	8	6.9%	
2009	46.8	2.291	5.1%	410,386	131	3,132.715	133	9	7.3%	
2010	40.7	-6.108	-13.0%	356,875	134	2,663.248	130	-3	-2.3%	
2011	41.9	1.201	2.9%	367,393	140	2,624.234	142	12	9.2%	
2012	42.2	0.248	0.6%	370,573	158	2,345.402	163	21	14.8%	
2013	44.2	2.037	4.8%	387,408	208	1,862.539	218	55	33.7%	
2014	52.0	7.766	17.6%	455,435	225	2,024.154	229	11	5.0%	
2015	51.6	-0.418	-0.8%	451,777	234	1,930.671	232	3	1.3%	
2016	47.8	-3.805	-7.4%	419,588	233	1,800.809	230	-2	-0.9%	
2017	44.7	-3.020	-6.3%	391,987	428	915.857	432	202	87.8%	
2018	46.7	1.973	4.4%	409,269	435	940.848	435	3	0.7%	
2019	44.1	-2.663	-5.7%	385,942	436	885.187	436	1	0.2%	
2020	50.7	6.594	15.0%	444,919	435	1,022.801	435	-1	-0.2%	
2021	53.2	2.538	5.0%	465,935	427	1,091.183	436	1	0.2%	
2022	43.0	-10.168	-19.1%	376,866	435	866.358	434	-2	-0.5%	
2023	48.1	5.075	11.8%	421,320	435	968.551	435	1	0.2%	
2024	48.9	0.834	1.7%	429,800	435	988.046	435	0	0.0%	
2025	48.1	-0.797	-1.6%	421,647	435	969.304	435	0	0.0%	0.101
2026	48.0	-0.128	-0.3%	420,523	435	966.719	435	0	0.0%	0.252
2027	47.9	-0.124	-0.3%	419,436	435	964.221	435	0	0.0%	0.353
2028	47.6	-0.259	-0.5%	418,313	435	961.639	435	0	0.0%	0.505
2029	47.6	0.007	0.0%	417,227	435	959.143	435	0	0.0%	0.606
2030	47.5	-0.129	-0.3%	416,101	435	956.555	435	0	0.0%	0.757
2031	47.4	-0.124	-0.3%	415,016	435	954.060	435	0	0.0%	0.858
2032	47.1	-0.259	-0.5%	413,880	435	951.448	435	0	0.0%	1.009
2033	47.1	0.006	0.0%	412,805	435	948.977	435	0	0.0%	1.110
2034	47.0	-0.128	-0.3%	411,681	435	946.393	435	0	0.0%	1.262
2035	46.9	-0.124	-0.3%	410,596	435	943.898	435	0	0.0%	1.363

5.8 Street Lighting

See **Figure 5-8** and **Table 5-8** for the details of the Street Lighting forecast.

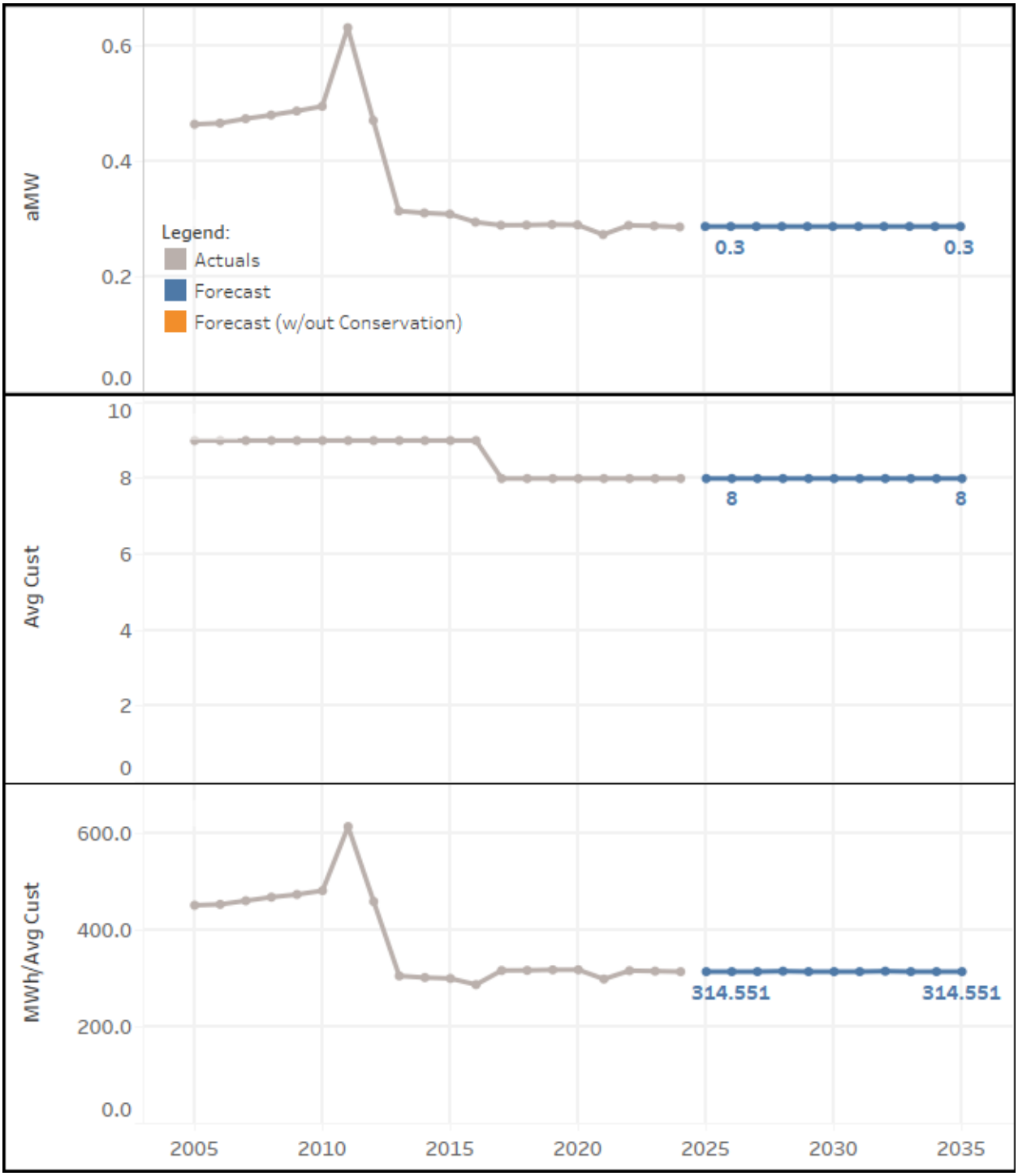

Figure 5-8 – Street Lighting forecast of retail load, customers and usage per customer

Table 5-8 – Street Lighting forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	0.5			4,067	9	451.882	9			
2006	0.5	0.002	0.4%	4,084	9	453.740	9	0	0.0%	
2007	0.5	0.008	1.7%	4,151	9	461.266	9	0	0.0%	
2008	0.5	0.006	1.3%	4,218	9	468.669	9	0	0.0%	
2009	0.5	0.007	1.5%	4,268	9	474.203	9	0	0.0%	
2010	0.5	0.008	1.7%	4,339	9	482.159	9	0	0.0%	
2011	0.6	0.136	27.5%	5,532	9	614.671	9	0	0.0%	
2012	0.5	-0.161	-25.4%	4,136	9	459.597	9	0	0.0%	
2013	0.3	-0.157	-33.3%	2,751	9	305.647	9	0	0.0%	
2014	0.3	-0.003	-1.1%	2,721	9	302.278	9	0	0.0%	
2015	0.3	-0.002	-0.6%	2,704	9	300.405	9	0	0.0%	
2016	0.3	-0.014	-4.5%	2,589	9	287.682	9	0	0.0%	
2017	0.3	-0.005	-1.8%	2,535	8	316.902	8	-1	-11.1%	
2018	0.3	0.000	0.1%	2,538	8	317.219	8	0	0.0%	
2019	0.3	0.001	0.3%	2,546	8	318.288	8	0	0.0%	
2020	0.3	-0.001	-0.2%	2,547	8	318.421	8	0	0.0%	
2021	0.3	-0.017	-5.8%	2,393	8	299.130	8	0	0.0%	
2022	0.3	0.016	5.8%	2,532	8	316.554	8	0	0.0%	
2023	0.3	-0.001	-0.3%	2,525	8	315.596	8	0	0.0%	
2024	0.3	-0.002	-0.6%	2,515	8	314.430	8	0	0.0%	
2025	0.3	0.001	0.3%	2,516	8	314.551	8	0	0.0%	0.000
2026	0.3	0.000	0.0%	2,516	8	314.551	8	0	0.0%	0.000
2027	0.3	0.000	0.0%	2,516	8	314.551	8	0	0.0%	0.000
2028	0.3	0.000	0.0%	2,524	8	315.487	8	0	0.0%	0.000
2029	0.3	0.000	0.0%	2,516	8	314.551	8	0	0.0%	0.000
2030	0.3	0.000	0.0%	2,516	8	314.551	8	0	0.0%	0.000
2031	0.3	0.000	0.0%	2,516	8	314.551	8	0	0.0%	0.000
2032	0.3	0.000	0.0%	2,524	8	315.487	8	0	0.0%	0.000
2033	0.3	0.000	0.0%	2,516	8	314.551	8	0	0.0%	0.000
2034	0.3	0.000	0.0%	2,516	8	314.551	8	0	0.0%	0.000
2035	0.3	0.000	0.0%	2,516	8	314.551	8	0	0.0%	0.000

5.9 Security Lighting

See **Figure 5-9** and **Table 5-9** for details of the Security Lighting forecast.

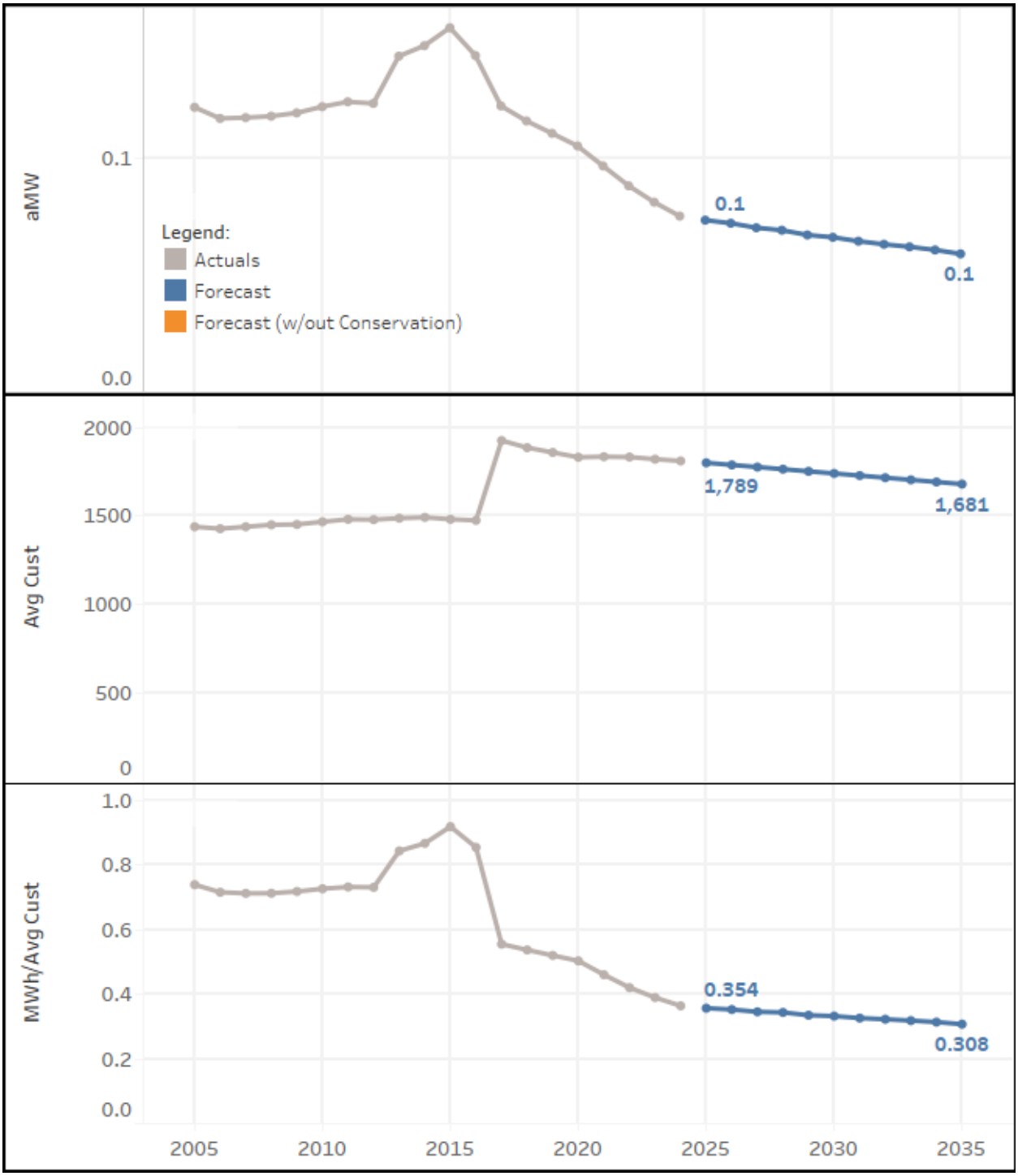

Figure 5-9 – Security Lighting forecast of retail load, customers and usage per customer

Table 5-9 – Security Lighting forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	0.1			1,066	1,440	0.741	1,435			
2006	0.1	-0.005	-3.9%	1,025	1,429	0.717	1,431	-4	-0.3%	
2007	0.1	0.000	0.3%	1,028	1,440	0.714	1,448	17	1.2%	
2008	0.1	0.001	0.5%	1,036	1,451	0.714	1,443	-5	-0.3%	
2009	0.1	0.001	1.2%	1,045	1,453	0.719	1,462	19	1.3%	
2010	0.1	0.003	2.2%	1,068	1,468	0.728	1,478	16	1.1%	
2011	0.1	0.002	1.7%	1,087	1,482	0.733	1,481	3	0.2%	
2012	0.1	-0.001	-0.6%	1,084	1,480	0.732	1,483	2	0.1%	
2013	0.1	0.020	16.3%	1,257	1,488	0.845	1,500	17	1.1%	
2014	0.1	0.004	3.1%	1,297	1,493	0.869	1,489	-11	-0.7%	
2015	0.2	0.008	5.2%	1,364	1,482	0.920	1,478	-11	-0.7%	
2016	0.1	-0.012	-7.6%	1,263	1,476	0.856	1,473	-5	-0.3%	
2017	0.1	-0.022	-15.0%	1,071	1,926	0.556	1,909	436	29.6%	
2018	0.1	-0.006	-5.3%	1,015	1,886	0.538	1,877	-32	-1.7%	
2019	0.1	-0.005	-4.6%	969	1,859	0.521	1,843	-34	-1.8%	
2020	0.1	-0.005	-4.9%	924	1,832	0.504	1,822	-21	-1.1%	
2021	0.1	-0.009	-8.1%	847	1,835	0.461	1,847	25	1.4%	
2022	0.1	-0.008	-8.8%	773	1,833	0.421	1,831	-16	-0.9%	
2023	0.1	-0.007	-7.9%	711	1,821	0.391	1,818	-13	-0.7%	
2024	0.1	-0.006	-7.3%	661	1,811	0.365	1,807	-11	-0.6%	
2025	0.1	-0.002	-2.3%	644	1,801	0.358	1,795	-12	-0.7%	0.000
2026	0.1	-0.001	-1.8%	632	1,789	0.354	1,783	-12	-0.7%	0.000
2027	0.1	-0.002	-2.7%	616	1,777	0.347	1,771	-12	-0.7%	0.000
2028	0.1	-0.001	-1.5%	608	1,765	0.345	1,759	-12	-0.7%	0.000
2029	0.1	-0.002	-2.9%	589	1,753	0.336	1,747	-12	-0.7%	0.000
2030	0.1	-0.001	-1.5%	580	1,741	0.333	1,735	-12	-0.7%	0.000
2031	0.1	-0.002	-2.5%	565	1,729	0.327	1,723	-12	-0.7%	0.000
2032	0.1	-0.001	-2.0%	555	1,717	0.323	1,711	-12	-0.7%	0.000
2033	0.1	-0.001	-1.7%	544	1,705	0.319	1,699	-12	-0.7%	0.000
2034	0.1	-0.001	-2.1%	533	1,693	0.315	1,687	-12	-0.7%	0.000
2035	0.1	-0.002	-2.7%	518	1,681	0.308	1,675	-12	-0.7%	0.000

5.10 Unmetered Flats

See **Figure 5-10** and **Table 5-10** for details of the Unmetered Flats forecast.

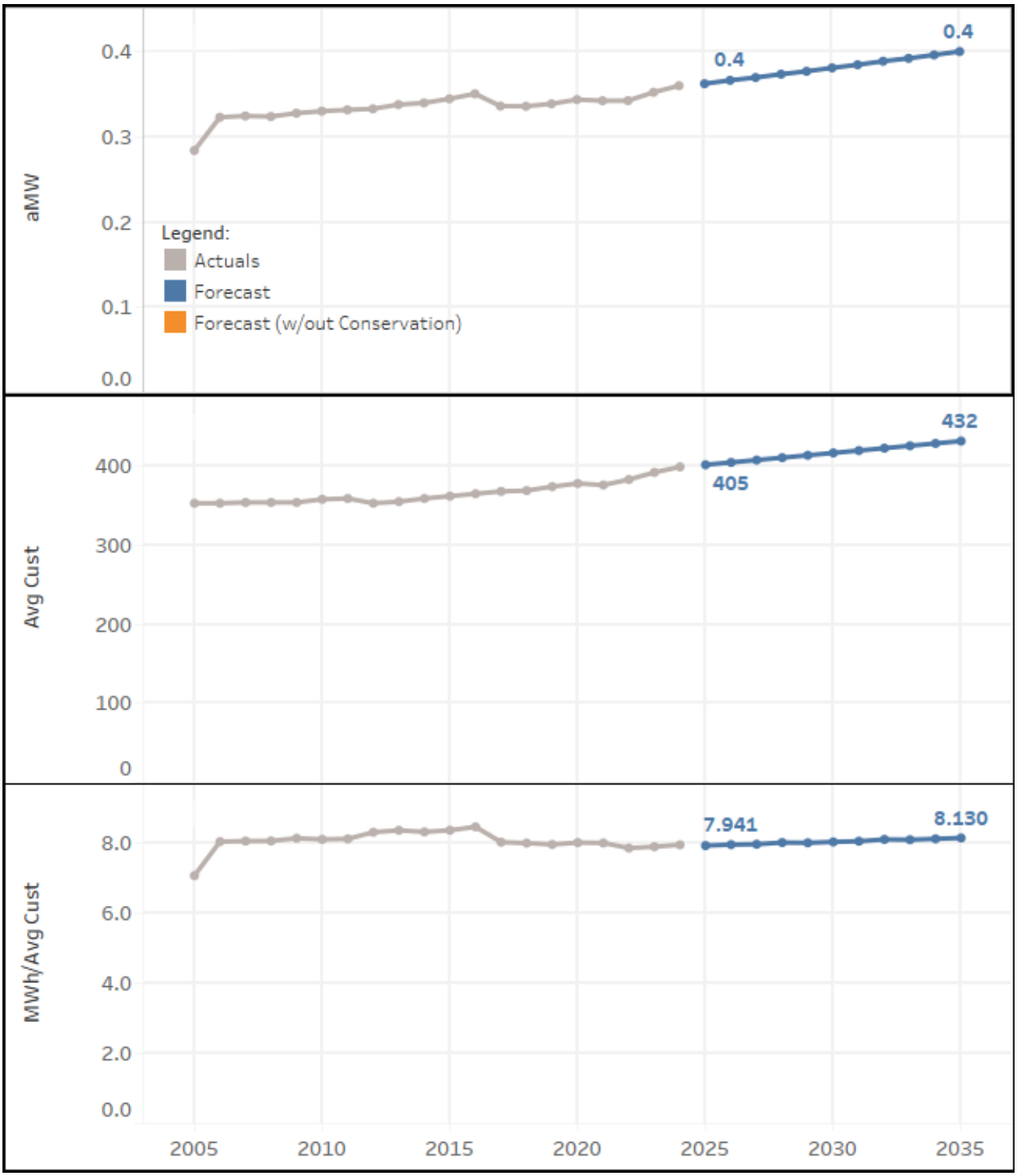

Figure 5-10 – Unmetered Flats forecast of retail load, customers and usage per customer

Table 5-10 – Unmetered Flats forecast of retail load, customers and usage per customer

Calendar Year	aMW	aMW Change	aMW Change %	MWh	Avg Cust Count	MWh / Avg Cust Count	Year-End Cust Count	Year-End Cust Count Change	Year-End Cust Count Change %	aMW EE
2005	0.3			2,492	353	7.059	352			
2006	0.3	0.039	13.7%	2,833	353	8.026	354	2	0.6%	
2007	0.3	0.002	0.5%	2,846	354	8.041	354	0	0.0%	
2008	0.3	-0.001	-0.2%	2,848	354	8.046	354	0	0.0%	
2009	0.3	0.004	1.2%	2,875	354	8.122	355	1	0.3%	
2010	0.3	0.002	0.7%	2,896	358	8.089	362	7	2.0%	
2011	0.3	0.002	0.5%	2,909	359	8.103	351	-11	-3.0%	
2012	0.3	0.001	0.4%	2,928	353	8.294	354	3	0.9%	
2013	0.3	0.005	1.5%	2,964	355	8.348	357	3	0.8%	
2014	0.3	0.002	0.6%	2,981	359	8.302	361	4	1.1%	
2015	0.3	0.005	1.4%	3,023	362	8.350	364	3	0.8%	
2016	0.4	0.006	1.7%	3,083	365	8.447	366	2	0.5%	
2017	0.3	-0.014	-4.1%	2,948	368	8.011	367	1	0.3%	
2018	0.3	0.000	-0.1%	2,946	369	7.984	370	3	0.8%	
2019	0.3	0.003	0.9%	2,971	374	7.944	377	7	1.9%	
2020	0.3	0.005	1.5%	3,023	378	7.998	381	4	1.1%	
2021	0.3	-0.001	-0.4%	3,003	376	7.987	382	1	0.3%	
2022	0.3	0.000	0.0%	3,004	383	7.843	386	4	1.0%	
2023	0.4	0.010	2.9%	3,090	392	7.882	396	10	2.6%	
2024	0.4	0.008	2.2%	3,166	399	7.935	400	4	1.0%	
2025	0.4	0.002	0.6%	3,178	402	7.913	403	3	0.8%	0.000
2026	0.4	0.004	1.1%	3,213	405	7.941	406	3	0.7%	0.000
2027	0.4	0.003	0.9%	3,241	408	7.952	409	3	0.7%	0.000
2028	0.4	0.004	1.1%	3,285	411	7.999	412	3	0.7%	0.000
2029	0.4	0.003	0.9%	3,306	414	7.992	415	3	0.7%	0.000
2030	0.4	0.004	1.1%	3,341	417	8.018	418	3	0.7%	0.000
2031	0.4	0.004	1.0%	3,373	420	8.037	421	3	0.7%	0.000
2032	0.4	0.004	1.1%	3,419	423	8.089	424	3	0.7%	0.000
2033	0.4	0.003	0.9%	3,439	426	8.080	427	3	0.7%	0.000
2034	0.4	0.004	1.0%	3,474	429	8.105	430	3	0.7%	0.000
2035	0.4	0.004	1.0%	3,509	432	8.130	433	3	0.7%	0.000

6. Appendix A – Summary Tables

Table 6-1 – Total system historical and forecast of annual load, losses and peak demand

Calendar Year	BPUD Retail Sales (aMW)			+ BPUD T&D[1] Losses (aMW)	(%)	= BPA Wholesale Load (aMW)			BPA Peak Demand (MW)		
2005	182.9			4.54	2.42%	187.5			366.5		
2006	177.6			5.34	2.92%	182.9			373.3		
2007	183.5			6.71	3.53%	190.2			384.3		
2008	186.7			7.29	3.76%	194.0			396.9		
2009	197.1			6.25	3.07%	203.3			402.1		
2010	181.8			7.03	3.72%	188.9			392.1		
2011	188.2			6.16	3.17%	194.3			379.5		
2012	187.3			5.84	3.02%	193.1			394.0		
2013	193.7			8.75	4.32%	202.4			414.5		
2014	203.3			5.07	2.43%	208.4			430.5		
2015	198.4			7.47	3.63%	205.9			429.5		
2016	192.9			7.43	3.71%	200.3			425.1		
2017	203.8			7.13	3.38%	210.9			426.0		
2018	198.8			5.82	2.85%	204.7			419.0		
2019	201.7			7.40	3.54%	209.1			407.7		
2020	198.1			7.26	3.53%	205.3			437.0		
2021	206.4			8.29	3.86%	214.7			489.6		
2022	206.3			6.33	2.98%	212.6			444.9		
2023	209.9			5.71	2.65%	215.6			438.4		
2024	205.8			6.46	3.04%	212.2			437.6		
Forecast	**Low**	**Base**	**High**	**aMW**	**%**	**Low**	**Base**	**High**	**Low**	**Base**	**High**
2025	195.5	205.8	216.1	6.44	3.13%	201.6	212.2	222.8	413.9	435.7	457.5
2026	195.8	206.1	216.4	6.45	3.13%	202.0	212.6	223.2	413.0	434.7	456.4
2027	196.2	206.5	216.8	6.46	3.13%	202.3	213.0	223.6	412.2	433.9	455.5
2028	196.5	206.9	217.2	6.48	3.13%	202.7	213.4	224.0	412.3	434.0	455.7
2029	196.9	207.2	217.6	6.49	3.13%	203.0	213.7	224.4	410.3	431.9	453.5
2030	197.2	207.6	218.0	6.50	3.13%	203.4	214.1	224.8	409.4	430.9	452.5
2031	197.6	208.0	218.4	6.51	3.13%	203.8	214.5	225.2	408.6	430.1	451.6
2032	198.0	208.4	218.9	6.52	3.13%	204.2	215.0	225.7	408.9	430.4	452.0
2033	198.4	208.8	219.3	6.54	3.13%	204.6	215.4	226.2	407.0	428.4	449.8
2034	198.8	209.3	219.8	6.55	3.13%	205.0	215.8	226.6	406.0	427.3	448.7
2035	199.3	209.7	220.2	6.57	3.13%	205.5	216.3	227.1	405.0	426.3	447.6

1) BPUD T&D = Benton PUD Transmission & Distribution; Forecast loss factor is equal to the 4-year historical average.

Table 6-2 – Historical & BASE case forecast of annual retail load (aMW) by customer class

Calendar Year	Residential	Small General	Medium General	Large General	Large Industrial	Small Irrigation	Large Irrigation	Street Lights	Security Lights	Unmetered Flats	Total System	Annual % Change
2005	71.077	13.095	18.726	27.689	6.083	1.795	43.599	0.464	0.122	0.284	182.935	0.62%
2006	72.170	12.866	18.315	27.044	4.276	1.633	40.382	0.466	0.117	0.323	177.592	-2.92%
2007	73.561	13.133	18.857	25.493	5.599	1.809	44.110	0.474	0.117	0.325	183.478	3.31%
2008	75.867	13.162	19.305	25.610	5.437	1.826	44.557	0.480	0.118	0.324	186.687	1.75%
2009	82.388	13.879	20.007	26.645	4.442	1.927	46.848	0.487	0.119	0.328	197.071	5.56%
2010	74.746	12.955	19.505	24.964	6.320	1.649	40.739	0.495	0.122	0.331	181.827	-7.74%
2011	78.533	13.509	20.030	23.935	7.467	1.667	41.940	0.632	0.124	0.332	188.169	3.49%
2012	76.049	13.595	20.036	24.747	8.035	1.726	42.187	0.471	0.123	0.333	187.304	-0.46%
2013	79.667	14.033	20.234	25.036	7.968	1.736	44.225	0.314	0.144	0.338	193.696	3.41%
2014	79.544	14.188	20.781	25.877	8.204	1.964	51.990	0.311	0.148	0.340	203.347	4.98%
2015	75.971	13.870	20.846	25.819	7.642	1.875	51.573	0.309	0.156	0.345	198.404	-2.43%
2016	75.335	13.874	20.545	25.418	7.356	1.776	47.767	0.295	0.144	0.351	192.860	-2.79%
2017	86.644	15.780	24.961	21.599	7.660	1.613	44.747	0.289	0.122	0.337	203.752	5.65%
2018	79.661	15.462	25.323	21.595	7.534	1.799	46.720	0.290	0.116	0.336	198.835	-2.41%
2019	85.762	15.915	26.008	20.304	7.342	1.558	44.057	0.291	0.111	0.339	201.687	1.43%
2020	80.207	14.560	23.996	18.836	7.243	1.859	50.651	0.290	0.105	0.344	198.091	-1.78%
2021	81.274	15.461	25.231	21.169	7.430	1.920	53.189	0.273	0.097	0.343	206.386	4.19%
2022	89.170	16.182	26.030	22.046	7.401	1.704	43.021	0.289	0.088	0.343	206.275	-0.05%
2023	87.120	16.172	25.266	23.552	7.221	1.767	48.096	0.288	0.081	0.353	209.916	1.77%
2024	83.384	15.701	24.623	23.272	7.337	1.804	48.930	0.286	0.075	0.360	205.772	-1.97%
2025	84.979	15.795	25.158	21.829	7.358	1.798	48.133	0.287	0.074	0.363	205.774	0.00%
2026	85.802	15.811	24.893	21.753	7.358	1.795	48.005	0.287	0.072	0.367	206.143	0.18%
2027	86.642	15.836	24.638	21.647	7.358	1.792	47.881	0.287	0.070	0.370	206.521	0.18%
2028	87.617	15.866	24.379	21.527	7.358	1.785	47.622	0.287	0.069	0.374	206.885	0.18%
2029	88.354	15.888	24.117	21.373	7.358	1.786	47.629	0.287	0.067	0.377	207.237	0.17%
2030	89.224	15.915	23.852	21.251	7.358	1.783	47.500	0.287	0.066	0.381	207.618	0.18%
2031	90.113	15.951	23.597	21.099	7.358	1.781	47.376	0.287	0.065	0.385	208.012	0.19%
2032	91.142	15.993	23.339	20.978	7.358	1.773	47.117	0.287	0.063	0.389	208.441	0.21%
2033	91.922	16.026	23.077	20.826	7.358	1.774	47.124	0.287	0.062	0.393	208.848	0.20%
2034	92.842	16.064	22.812	20.703	7.358	1.772	46.996	0.287	0.061	0.397	209.291	0.21%
2035	93.782	16.112	22.557	20.552	7.358	1.769	46.872	0.287	0.059	0.401	209.748	0.22%
AARG %[1] 2025-2030	**0.98%**	**0.15%**	**-1.06%**	**-0.54%**	**0.00%**	**-0.17%**	**-0.26%**	**0.00%**	**-2.08%**	**1.00%**	**0.18%**	
AARG %[1] 2025-2035	**0.99%**	**0.20%**	**-1.09%**	**-0.60%**	**0.00%**	**-0.17%**	**-0.27%**	**0.00%**	**-2.16%**	**1.00%**	**0.19%**	

1) AARG % = Annual Average Rate of Growth Percentage

Table 6-3 – Total System Historical BASE case forecast of MONTHLY and annual retail load (aMW)

Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2005	188.8	165.8	163.5	168.1	177.3	229.3	255.6	251.2	170.2	**124.0**	134.7	164.2	182.9
2006	**167.3**	162.9	155.4	**151.7**	177.2	221.6	250.4	**233.4**	171.8	131.1	135.0	171.0	**177.6**
2007	182.2	185.4	148.3	155.5	187.7	235.0	254.1	236.0	187.5	127.6	143.7	158.6	183.5
2008	176.4	188.5	147.5	182.2	191.7	228.2	262.4	234.6	177.5	149.1	**127.3**	174.0	186.7
2009	201.8	185.2	161.9	172.6	209.5	258.3	267.4	250.3	187.6	144.4	142.3	181.6	197.1
2010	191.9	**157.1**	150.6	180.6	175.6	**204.6**	253.5	250.5	**167.1**	133.4	129.5	183.6	181.8
2011	186.4	180.8	156.1	173.6	174.5	221.0	247.3	253.8	209.0	136.1	136.1	182.3	188.2
2012	190.0	188.1	145.8	165.4	205.4	207.7	**245.0**	258.7	197.4	141.2	146.8	155.2	187.3
2013	185.8	187.3	150.1	167.3	206.6	234.1	274.0	249.5	186.1	148.6	148.8	184.3	193.7
2014	194.0	207.4	161.0	184.7	210.4	265.2	283.5	255.1	199.3	**161.9**	145.4	172.1	203.3
2015	178.8	178.2	148.2	181.5	201.0	**288.8**	296.2	248.9	197.7	154.4	136.6	168.9	198.4
2016	191.6	175.0	**145.0**	193.5	205.2	257.1	258.1	249.9	190.4	143.8	135.2	168.4	192.9
2017	**228.0**	**221.2**	168.5	161.9	191.3	266.4	288.8	262.4	193.4	148.2	147.3	167.8	203.8
2018	194.7	178.4	163.3	170.5	210.0	260.8	285.2	263.1	191.2	146.1	148.9	171.2	198.8
2019	178.0	216.0	**192.4**	168.7	193.8	271.3	259.8	257.1	195.8	151.1	160.3	176.9	201.7
2020	179.0	181.0	163.9	194.4	188.2	242.9	274.7	277.5	202.0	152.4	149.4	170.5	198.1
2021	179.5	195.7	169.2	**197.3**	**227.2**	283.7	**313.9**	260.5	195.1	153.7	145.7	**154.0**	206.4
2022	214.6	202.6	164.1	164.9	**166.0**	206.6	275.7	**298.3**	**231.6**	161.2	**178.9**	**209.1**	206.3
2023	213.3	206.5	172.4	171.9	218.9	287.4	309.9	261.3	192.1	147.2	158.0	178.8	**209.9**
2024	209.2	204.8	163.4	174.9	197.7	261.2	292.3	276.1	203.4	160.9	148.8	175.5	205.8
20-Year Min.	**167.3**	**157.1**	**145.0**	**151.7**	**166.0**	**204.6**	**245.0**	**233.4**	**167.1**	**124.0**	**127.3**	**154.0**	**177.6**
20-Year Avg.	191.6	188.4	159.5	174.1	195.8	246.6	272.4	256.4	192.3	145.8	144.9	173.4	195.2
20-Year Max	**228.0**	**221.2**	**192.4**	**197.3**	**227.2**	**288.8**	**313.9**	**298.3**	**231.6**	**161.9**	**178.9**	**209.1**	**209.9**
2025	199.7	208.4	163.1	175.7	201.2	258.3	297.0	273.0	204.3	154.3	156.2	177.4	205.8
2026	200.6	209.4	163.5	175.8	201.2	258.4	297.3	273.5	204.6	154.3	156.5	178.1	206.1
2027	201.5	210.4	163.9	176.1	201.2	258.4	297.5	274.0	204.8	154.3	156.8	178.8	206.5
2028	202.4	211.4	164.3	176.2	201.1	258.4	297.7	274.4	205.1	154.4	157.1	179.3	206.9
2029	203.3	212.4	164.7	176.4	201.0	258.4	298.0	274.9	205.3	154.4	157.5	180.1	207.2
2030	204.3	213.4	165.1	176.5	201.0	258.5	298.3	275.4	205.6	154.4	157.8	180.7	207.6
2031	205.2	214.4	165.5	176.7	200.9	258.5	298.6	275.9	205.9	154.5	158.2	181.5	208.0
2032	206.2	215.5	165.9	176.9	200.9	258.6	298.9	276.4	206.3	154.6	158.5	182.1	208.4
2033	207.2	216.5	166.4	177.1	200.8	258.7	299.2	276.9	206.6	154.6	158.9	182.9	208.8
2034	208.3	217.7	166.8	177.3	200.8	258.8	299.5	277.5	206.9	154.7	159.2	183.6	209.3
2035	209.2	218.8	167.3	177.5	200.7	258.9	299.9	278.1	207.3	154.8	159.7	184.4	209.7

Table 6-4 – 2026 BASE case forecast of MONTHLY and annual retail load (aMW) by customer class

Revenue Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026
RES	127.4	131.6	87.8	71.6	58.5	65.6	82.5	89.6	74.4	55.1	80.3	108.2	85.8
SGS	17.7	19.0	14.1	13.8	13.3	15.3	17.3	18.9	17.0	13.2	14.4	15.9	15.8
MGS	25.9	27.5	22.0	22.1	21.8	24.3	25.6	27.4	27.0	25.2	25.5	24.7	24.9
LGS	17.8	19.7	16.7	17.3	16.4	17.6	18.3	20.9	20.9	21.2	20.3	18.0	18.8
LGS-EIL	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
LIND	7.7	7.4	7.5	7.5	7.6	7.6	7.5	7.2	6.7	6.6	7.9	7.2	7.4
SIRR	0.1	0.1	0.2	1.3	2.7	3.7	4.4	4.1	2.9	1.5	0.3	0.1	1.8
LIRR	0.2	0.3	11.5	38.5	77.2	120.5	138.1	101.7	51.9	27.7	4.2	0.2	48.0
SECL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
STRL	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
UNM	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL	200.6	209.4	163.5	175.8	201.2	258.4	297.3	273.5	204.6	154.3	156.5	178.1	206.1

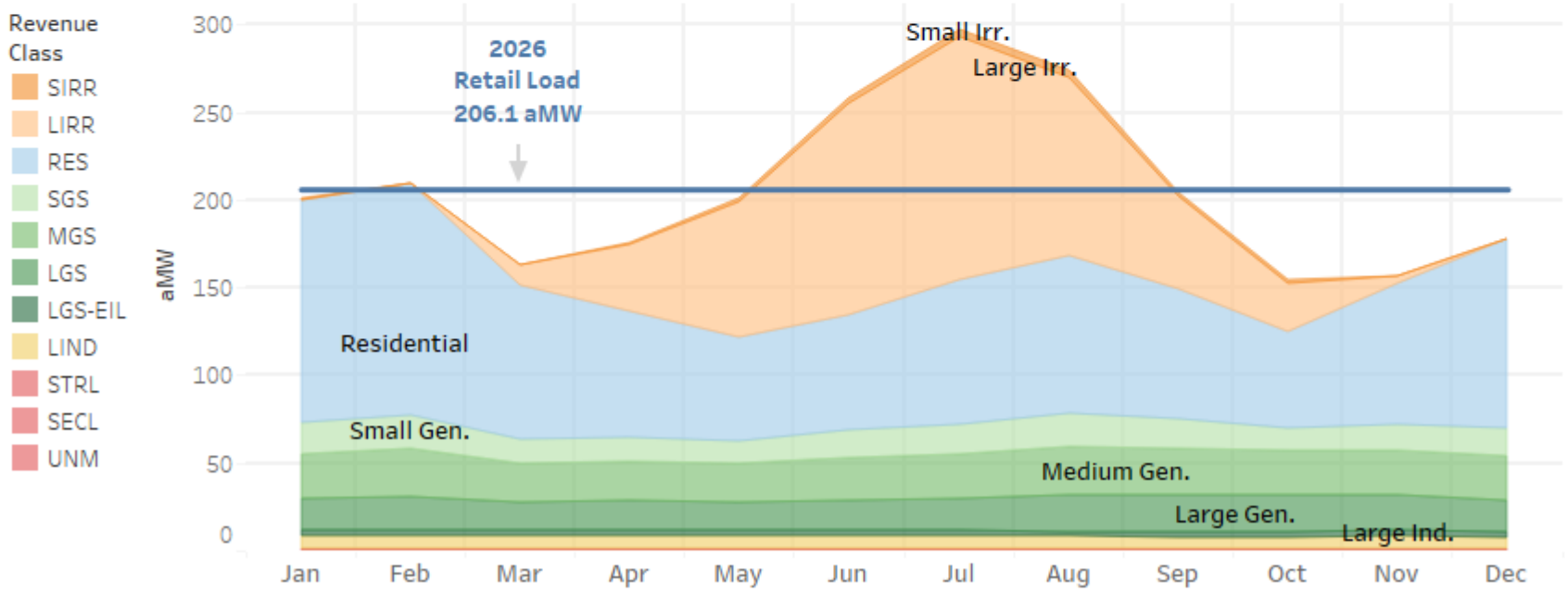

Table 6-5 – Historical and forecast of annual average number of customers by customer class

Calendar Year	Residential	Small General	Medium General	Large General	Large Industrial	Small Irrigation	Large Irrigation	Street Lights	Security Lights	Unmetered Flats	Total System	Annual % Change
2005	36,963	4,144	637	122	3	622	96	9	1,440	353	44,389	#N/A
2006	37,418	4,169	636	126	3	614	99	9	1,429	353	44,856	1.05%
2007	37,969	4,295	654	128	3	607	110	9	1,440	354	45,569	1.59%
2008	38,855	4,385	676	131	3	615	121	9	1,451	354	46,600	2.26%
2009	39,220	4,460	695	134	3	615	131	9	1,453	354	47,074	1.02%
2010	39,687	4,503	718	135	3	602	134	9	1,468	358	47,617	1.15%
2011	40,201	4,553	732	136	3	582	140	9	1,482	359	48,197	1.22%
2012	40,645	4,610	747	142	3	563	158	9	1,480	353	48,710	1.06%
2013	41,321	4,682	746	144	3	564	208	9	1,488	355	49,520	1.66%
2014	41,758	4,741	754	148	3	563	225	9	1,493	359	50,053	1.08%
2015	42,375	4,828	758	151	3	560	234	9	1,482	362	50,762	1.42%
2016	43,157	4,915	768	157	5	558	233	9	1,476	365	51,643	1.74%
2017	43,895	5,108	725	102	5	565	428	8	1,926	368	53,130	2.88%
2018	44,578	5,166	724	90	5	557	435	8	1,886	369	53,818	1.29%
2019	45,348	5,248	726	90	5	550	436	8	1,859	374	54,644	1.53%
2020	46,053	5,319	722	90	5	556	435	8	1,832	378	55,398	1.38%
2021	46,763	5,364	721	93	5	557	427	8	1,835	376	56,149	1.36%
2022	47,320	5,421	706	90	5	552	435	8	1,833	383	56,753	1.08%
2023	47,866	5,493	697	89	5	551	435	8	1,821	392	57,357	1.06%
2024	48,332	5,578	704	91	5	547	435	8	1,811	399	57,910	0.96%
2025	48,882	5,647	713	91	5	545	435	8	1,801	402	58,528	1.07%
2026	49,446	5,719	714	92	5	544	435	8	1,789	405	59,155	1.07%
2027	50,010	5,791	715	92	5	543	435	8	1,777	408	59,783	1.06%
2028	50,574	5,863	716	93	5	542	435	8	1,765	411	60,410	1.05%
2029	51,138	5,935	717	93	5	541	435	8	1,753	414	61,038	1.04%
2030	51,702	6,007	718	94	5	540	435	8	1,741	417	61,665	1.03%
2031	52,266	6,079	719	94	5	539	435	8	1,729	420	62,293	1.02%
2032	52,830	6,151	720	95	5	538	435	8	1,717	423	62,920	1.01%
2033	53,394	6,223	721	95	5	537	435	8	1,705	426	63,548	1.00%
2034	53,958	6,295	722	96	5	536	435	8	1,693	429	64,175	0.99%
2035	54,522	6,367	723	96	5	535	435	8	1,681	432	64,803	0.98%
AARG %[1] 2025-2030	**1.13%**	**1.24%**	**0.14%**	**0.58%**	**0.00%**	**-0.18%**	**0.00%**	**0.00%**	**-0.68%**	**0.74%**	**1.05%**	
AARG %[1] 2025-2035	**1.10%**	**1.21%**	**0.14%**	**0.54%**	**0.00%**	**-0.18%**	**0.00%**	**0.00%**	**-0.69%**	**0.72%**	**1.02%**	

1) AARG % = Annual Average Rate of Growth Percentage

Table 6-6 – Historical and BASE case forecast of annual usage per customer (kWh) by customer class

Calendar Year	Residential	Small General	Medium General	Large General	Large Industrial	Small Irrigation	Large Irrigation	Street Lights	Security Lights	Unmetered Flats	Total System	Annual % Change
2005	16,845	27,681	257,524	1,988,160	17,761,932	25,280	3,978,407	451,882	741	7,059	36,101	#N/A
2006	16,896	27,034	252,263	1,880,220	12,485,305	23,298	3,573,162	453,740	717	8,026	34,682	-3.93%
2007	16,972	26,787	252,577	1,744,660	16,348,383	26,110	3,512,746	461,266	714	8,041	35,271	1.70%
2008	17,151	26,366	250,845	1,717,234	15,920,098	26,086	3,234,619	468,669	714	8,046	35,190	-0.23%
2009	18,402	27,260	252,179	1,741,869	12,969,692	27,453	3,132,715	474,203	719	8,122	36,673	4.21%
2010	16,498	25,202	237,977	1,619,899	18,454,887	23,997	2,663,248	482,159	728	8,089	33,450	-8.79%
2011	17,113	25,991	239,704	1,541,682	21,803,603	25,097	2,624,234	614,671	733	8,103	34,201	2.24%
2012	16,435	25,905	235,607	1,530,826	23,525,055	26,936	2,345,402	459,597	732	8,294	33,777	-1.24%
2013	16,889	26,255	237,601	1,523,024	23,267,593	26,970	1,862,539	305,647	845	8,348	34,264	1.44%
2014	16,687	26,215	241,437	1,531,617	23,956,495	30,566	2,024,154	302,278	869	8,302	35,589	3.86%
2015	15,705	25,165	240,911	1,497,847	22,313,962	29,330	1,930,671	300,405	920	8,350	34,239	-3.79%
2016	15,333	24,795	234,983	1,422,089	12,922,450	27,952	1,800,809	287,682	856	8,447	32,804	-4.19%
2017	17,291	27,062	301,599	1,854,942	13,420,262	25,013	915,857	316,902	556	8,011	33,594	2.41%
2018	15,654	26,218	306,399	2,101,892	13,199,344	28,295	940,848	317,219	538	7,984	32,365	-3.66%
2019	16,567	26,565	313,810	1,976,269	12,863,616	24,812	885,187	318,288	521	7,944	32,332	-0.10%
2020	15,298	24,044	291,939	1,838,394	12,725,056	29,374	1,022,801	318,421	504	7,998	31,410	-2.85%
2021	15,225	25,249	306,552	1,993,963	13,016,760	30,198	1,091,183	299,130	461	7,987	32,199	2.51%
2022	16,507	26,148	322,983	2,145,846	12,967,032	27,049	866,358	316,554	421	7,843	31,839	-1.12%
2023	15,944	25,790	317,552	2,318,185	12,650,440	28,094	968,551	315,596	391	7,882	32,060	0.69%
2024	15,154	24,726	307,227	2,246,364	12,888,960	28,971	988,046	314,430	365	7,935	31,212	-2.64%
2025	15,229	24,502	309,296	2,101,341	12,890,801	28,880	969,304	314,551	358	7,913	30,799	-1.32%
2026	15,201	24,218	305,602	2,078,830	12,890,801	28,886	966,719	314,551	354	7,941	30,527	-0.88%
2027	15,177	23,955	302,048	2,061,162	12,890,801	28,888	964,221	314,551	347	7,952	30,262	-0.87%
2028	15,218	23,771	299,283	2,040,544	12,926,269	28,900	961,639	315,487	345	7,999	30,082	-0.59%
2029	15,135	23,451	294,842	2,013,206	12,890,801	28,901	959,143	314,551	336	7,992	29,742	-1.13%
2030	15,118	23,208	291,191	1,987,457	12,890,801	28,907	956,555	314,551	333	8,018	29,494	-0.84%
2031	15,103	22,986	287,679	1,966,271	12,890,801	28,916	954,060	314,551	327	8,037	29,252	-0.82%
2032	15,154	22,839	284,919	1,946,542	12,926,269	28,922	951,448	315,487	323	8,089	29,099	-0.52%
2033	15,081	22,559	280,559	1,920,331	12,890,801	28,922	948,977	314,551	319	8,080	28,790	-1.06%
2034	15,073	22,354	276,952	1,895,760	12,890,801	28,930	946,393	314,551	315	8,105	28,568	-0.77%
2035	15,068	22,168	273,482	1,875,340	12,890,801	28,936	943,898	314,551	308	8,130	28,354	-0.75%
AARG %[1] 2025-2030	**-0.15%**	**-1.08%**	**-1.20%**	**-1.11%**	**0.00%**	**0.02%**	**-0.26%**	**0.00%**	**-1.41%**	**0.27%**	**-0.86%**	
AARG %[1] 2025-2035	**-0.11%**	**-1.00%**	**-1.22%**	**-1.13%**	**0.00%**	**0.02%**	**-0.27%**	**0.00%**	**-1.48%**	**0.27%**	**-0.82%**	

1) AARG % = Annual Average Rate of Growth Percentage

Table 6-7 – Historical and forecast annual year-end number of customers by customer class

Calendar Year	Residential	Small General	Medium General	Large General	Large Industrial	Small Irrigation	Large Irrigation	Street Lights	Security Lights	Unmetered Flats	Total System	Annual % Change
2005	37,236	4,128	627	123	3	619	96	9	1,435	352	44,628	#N/A
2006	37,802	4,232	641	127	3	602	101	9	1,431	354	45,302	1.51%
2007	38,285	4,324	665	131	3	609	116	9	1,448	354	45,944	1.42%
2008	39,095	4,445	683	132	3	615	124	9	1,443	354	46,903	2.09%
2009	39,430	4,484	707	135	3	610	133	9	1,462	355	47,328	0.91%
2010	39,973	4,528	725	135	3	594	130	9	1,478	362	47,937	1.29%
2011	40,432	4,576	747	141	3	573	142	9	1,481	351	48,455	1.08%
2012	40,955	4,652	742	143	3	555	163	9	1,483	354	49,059	1.25%
2013	41,561	4,709	750	146	3	563	218	9	1,500	357	49,816	1.54%
2014	42,039	4,784	758	151	3	559	229	9	1,489	361	50,382	1.14%
2015	42,724	4,883	762	153	3	558	232	9	1,478	364	51,166	1.56%
2016	43,574	4,949	775	160	5	556	230	9	1,473	366	52,097	1.82%
2017	44,244	5,175	716	89	5	565	432	8	1,909	367	53,510	2.71%
2018	44,967	5,170	728	91	5	553	435	8	1,877	370	54,204	1.30%
2019	45,717	5,282	721	88	5	539	436	8	1,843	377	55,016	1.50%
2020	46,420	5,354	727	93	5	557	435	8	1,822	381	55,802	1.43%
2021	47,033	5,388	713	90	5	552	436	8	1,847	382	56,454	1.17%
2022	47,573	5,430	702	89	5	549	434	8	1,831	386	57,007	0.98%
2023	48,133	5,541	701	90	5	547	435	8	1,818	396	57,674	1.17%
2024	48,576	5,608	712	91	5	546	435	8	1,807	400	58,188	0.89%
2025	49,140	5,680	713	91	5	545	435	8	1,795	403	58,815	1.08%
2026	49,704	5,752	714	92	5	544	435	8	1,783	406	59,443	1.07%
2027	50,268	5,824	715	92	5	543	435	8	1,771	409	60,070	1.05%
2028	50,832	5,896	716	93	5	542	435	8	1,759	412	60,698	1.05%
2029	51,396	5,968	717	93	5	541	435	8	1,747	415	61,325	1.03%
2030	51,960	6,040	718	94	5	540	435	8	1,735	418	61,953	1.02%
2031	52,524	6,112	719	94	5	539	435	8	1,723	421	62,580	1.01%
2032	53,088	6,184	720	95	5	538	435	8	1,711	424	63,208	1.00%
2033	53,652	6,256	721	95	5	537	435	8	1,699	427	63,835	0.99%
2034	54,216	6,328	722	96	5	536	435	8	1,687	430	64,463	0.98%
2035	54,780	6,400	723	96	5	535	435	8	1,675	433	65,090	0.97%
AARG %[1] 2025-2030	**1.12%**	**-1.52%**	**0.01%**	**0.03%**	**0.00%**	**-0.01%**	**0.00%**	**0.00%**	**-0.03%**	**0.03%**	**0.04%**	
AARG %[1] 2025-2035	**1.09%**	**12.68%**	**0.01%**	**0.04%**	**0.00%**	**-0.01%**	**0.00%**	**0.00%**	**-0.05%**	**0.05%**	**0.08%**	

1) AARG % = Annual Average Rate of Growth Percentage

Table 6-8 – Historical and forecast annual change in number of customers by customer class

Calendar Year	Residential	Small General	Medium General	Large General	Large Industrial	Small Irrigation	Large Irrigation	Street Lights	Security Lights	Unmetered Flats	Total System	Annual % Change
2005	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2006	566	104	14	4	0	(17)	5	0	(4)	2	674	#N/A
2007	483	92	24	4	0	7	15	0	17	0	642	-4.75%
2008	810	121	18	1	0	6	8	0	(5)	0	959	49.38%
2009	335	39	24	3	0	(5)	9	0	19	1	425	-55.68%
2010	543	44	18	0	0	(16)	(3)	0	16	7	609	43.29%
2011	459	48	22	6	0	(21)	12	0	3	(11)	518	-14.94%
2012	523	76	(5)	2	0	(18)	21	0	2	3	604	16.60%
2013	606	57	8	3	0	8	55	0	17	3	757	25.33%
2014	478	75	8	5	0	(4)	11	0	(11)	4	566	-25.23%
2015	685	99	4	2	0	(1)	3	0	(11)	3	784	38.52%
2016	850	66	13	7	2	(2)	(2)	0	(5)	2	931	18.75%
2017	670	226	(59)	(71)	0	9	202	(1)	436	1	1,413	51.77%
2018	723	(5)	12	2	0	(12)	3	0	(32)	3	694	-50.88%
2019	750	112	(7)	(3)	0	(14)	1	0	(34)	7	812	17.00%
2020	703	72	6	5	0	18	(1)	0	(21)	4	786	-3.20%
2021	613	34	(14)	(3)	0	(5)	1	0	25	1	652	-17.05%
2022	540	42	(11)	(1)	0	(3)	(2)	0	(16)	4	553	-15.18%
2023	560	111	(1)	1	0	(2)	1	0	(13)	10	667	20.61%
2024	443	67	11	1	0	(1)	0	0	(11)	4	514	-22.94%
2025	564	72	1	0	0	(1)	0	0	(12)	3	627	21.98%
2026	564	72	1	1	0	(1)	0	0	(12)	3	628	0.16%
2027	564	72	1	0	0	(1)	0	0	(12)	3	627	-0.16%
2028	564	72	1	1	0	(1)	0	0	(12)	3	628	0.16%
2029	564	72	1	0	0	(1)	0	0	(12)	3	627	-0.16%
2030	564	72	1	1	0	(1)	0	0	(12)	3	628	0.16%
2031	564	72	1	0	0	(1)	0	0	(12)	3	627	-0.16%
2032	564	72	1	1	0	(1)	0	0	(12)	3	628	0.16%
2033	564	72	1	0	0	(1)	0	0	(12)	3	627	-0.16%
2034	564	72	1	1	0	(1)	0	0	(12)	3	628	0.16%
2035	564	72	1	0	0	(1)	0	0	(12)	3	627	-0.16%