

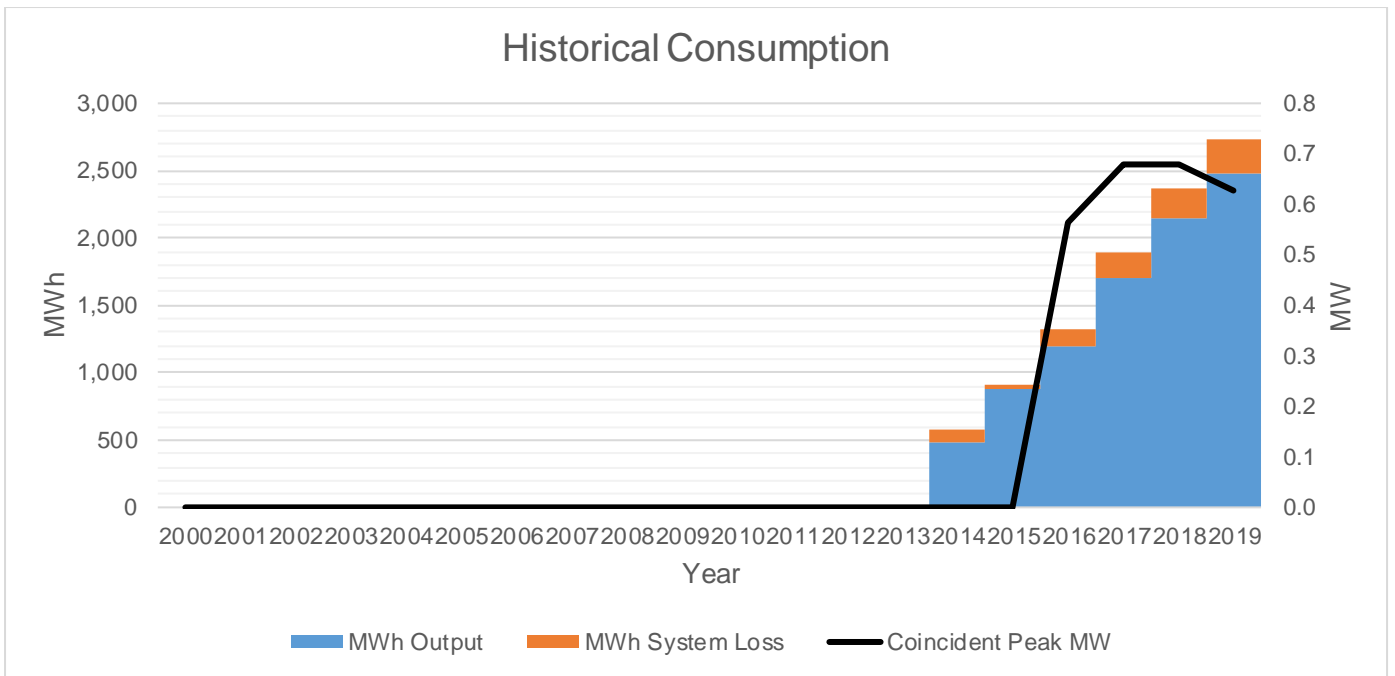
Power Supply Procurement Plan 2020

**Sultan Kudarat Electric Cooperative, Inc. (SUKELCO)
S4R**

Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2014	0.00	581	0	581	478	103	#DIV/0!	0.00%	0.00%	17.72%
2015	0.00	909	0	909	883	26	#DIV/0!	0.00%	0.00%	2.83%
2016	0.56	1,319	0	1,319	1,190	129	27%	0.00%	0.00%	9.80%
2017	0.68	1,894	0	1,894	1,699	195	32%	0.00%	0.00%	10.27%
2018	0.68	2,364	0	2,364	2,142	221	40%	0.00%	0.00%	9.36%
2019	0.63	2,732	0	2,732	2,480	252	50%	0.00%	0.00%	9.21%

Peak Demand increased from 0.56 MW in 2016 to 0.63 MW in 2019 at a rate of 4.29% due to increase in the number of connections. MWh Offtake increased from 581 MWh in 2014 to 2,732 MWh in 2019 at a rate of 37.13% due to the same reason. Within the same period, Load Factor ranged from 27% to 50%.

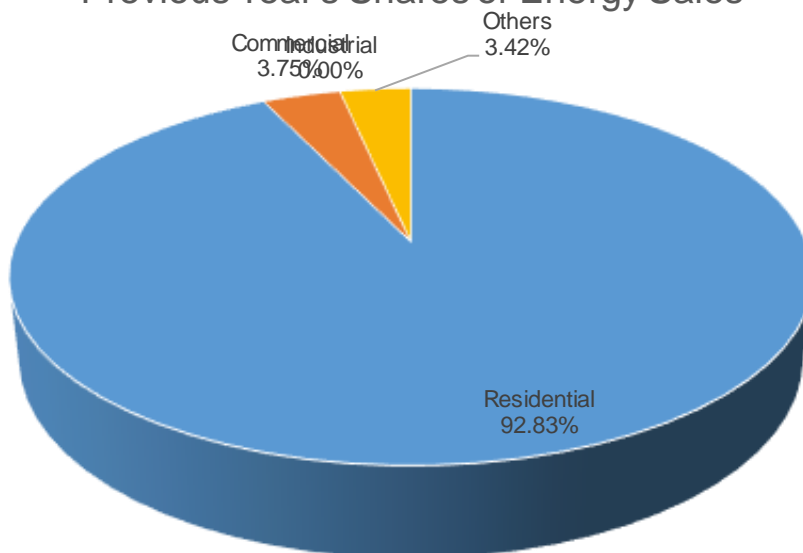


MWh Output increased from year 2014 to year 2019 at a rate of 40.85%, while MWh System Loss increased at a rate of 81.06% within the same period.



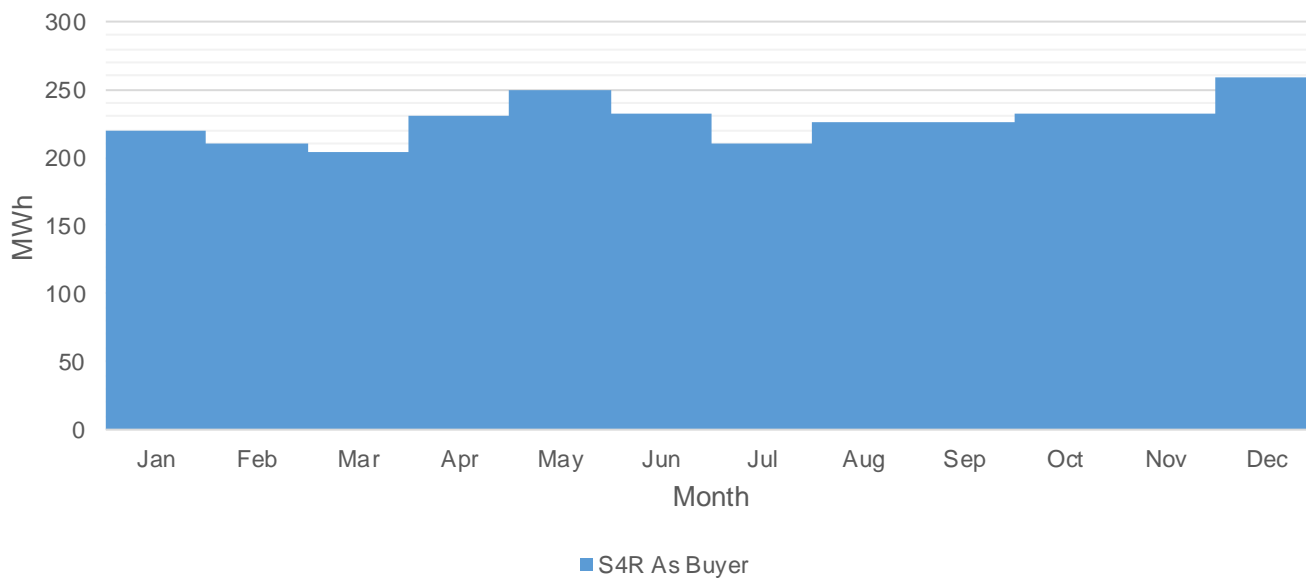
Historically, System Loss ranged from 2.83% to 17.72%. System Loss peaked at 17.72% on year 2014 because of high non-technical losses.

Previous Year's Shares of Energy Sales



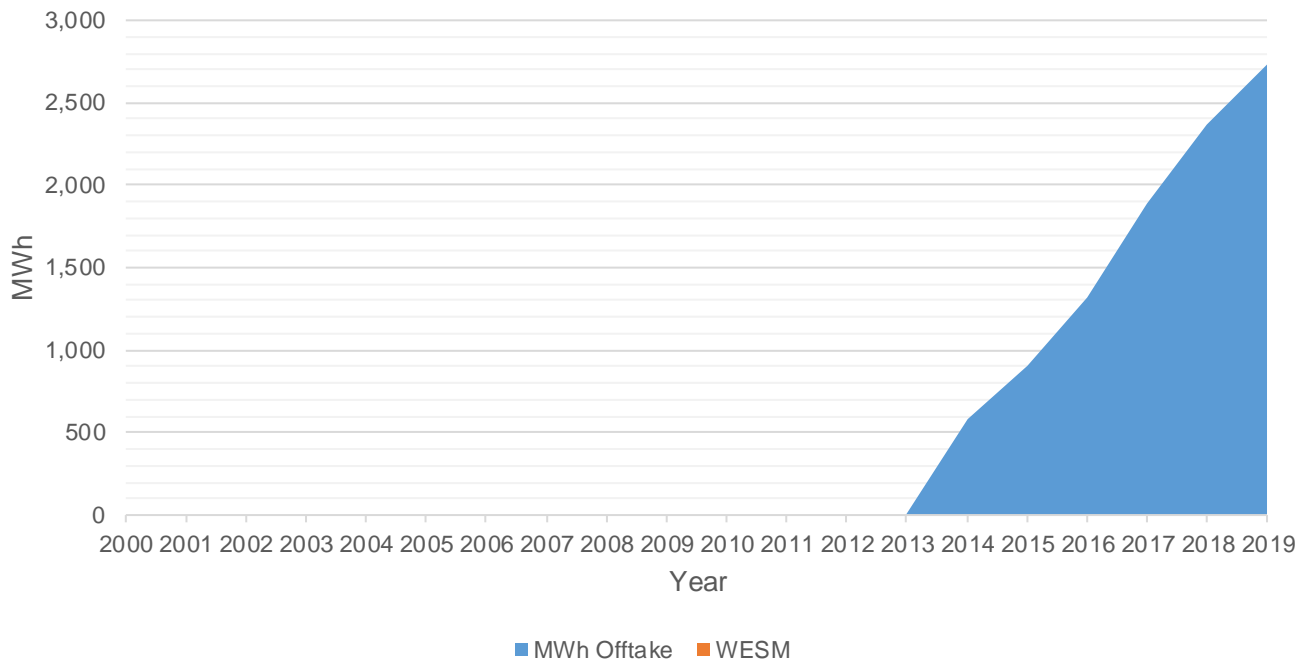
Residential customers account for the bulk of energy sales at 92.83% due to the high number of connections. In contrast, Industrial customers accounted for only 0.00% of energy sales due to no industrial customers in the area.

MWh Offtake for Last Historical Year



For Sale for Resale Agreement, the total Offtake for the last historical year of SUKELCO was supplied by SOCOTECO-II.

WESM Share Over Time



No WESM in Mindanao.

Previous Year's Load Profile

No available data for Load Profile.

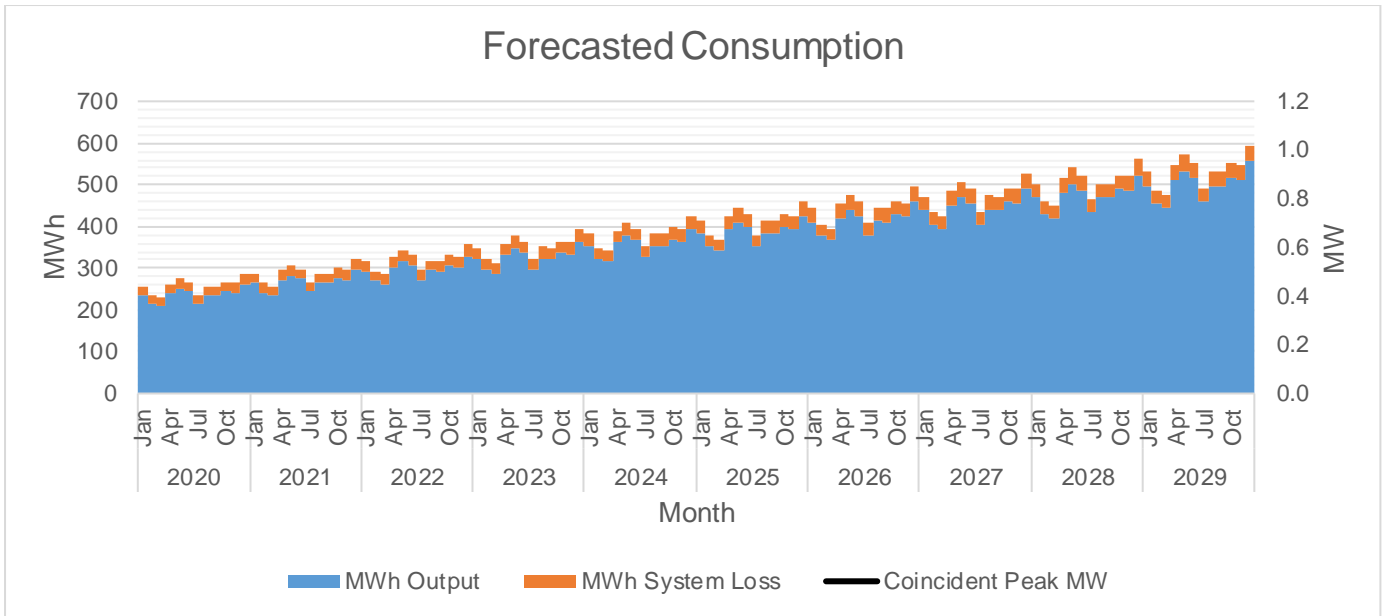
Forecasted Consumption Data

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2020	Jan	256	235	21	0.00%	8.32%
	Feb	235	215	20	0.00%	8.32%
	Mar	229	210	19	0.00%	8.32%
	Apr	263	241	22	0.00%	8.32%
	May	275	252	23	0.00%	8.32%
	Jun	266	244	22	0.00%	8.32%
	Jul	237	217	20	0.00%	8.32%
	Aug	257	235	21	0.00%	8.32%
	Sep	256	235	21	0.00%	8.32%
	Oct	267	245	22	0.00%	8.32%
	Nov	265	243	22	0.00%	8.32%
	Dec	286	262	24	0.00%	8.32%
2021	Jan	288	264	23	0.00%	8.12%
	Feb	264	242	21	0.00%	8.12%
	Mar	257	236	21	0.00%	8.12%
	Apr	295	271	24	0.00%	8.12%
	May	309	284	25	0.00%	8.12%
	Jun	299	274	24	0.00%	8.12%
	Jul	266	244	22	0.00%	8.12%
	Aug	288	265	23	0.00%	8.12%
	Sep	288	264	23	0.00%	8.12%
	Oct	300	276	24	0.00%	8.12%
	Nov	297	273	24	0.00%	8.12%
	Dec	321	295	26	0.00%	8.12%
2022	Jan	319	294	25	0.00%	7.92%
	Feb	293	269	23	0.00%	7.92%
	Mar	285	262	23	0.00%	7.92%
	Apr	327	301	26	0.00%	7.92%
	May	343	316	27	0.00%	7.92%
	Jun	331	305	26	0.00%	7.92%
	Jul	295	271	23	0.00%	7.92%
	Aug	320	294	25	0.00%	7.92%
	Sep	319	294	25	0.00%	7.92%
	Oct	333	306	26	0.00%	7.92%
	Nov	330	304	26	0.00%	7.92%
	Dec	356	328	28	0.00%	7.92%
2023	Jan	350	323	27	0.00%	7.72%
	Feb	321	297	25	0.00%	7.72%
	Mar	313	289	24	0.00%	7.72%
	Apr	359	332	28	0.00%	7.72%
	May	376	347	29	0.00%	7.72%
	Jun	364	336	28	0.00%	7.72%
	Jul	323	299	25	0.00%	7.72%

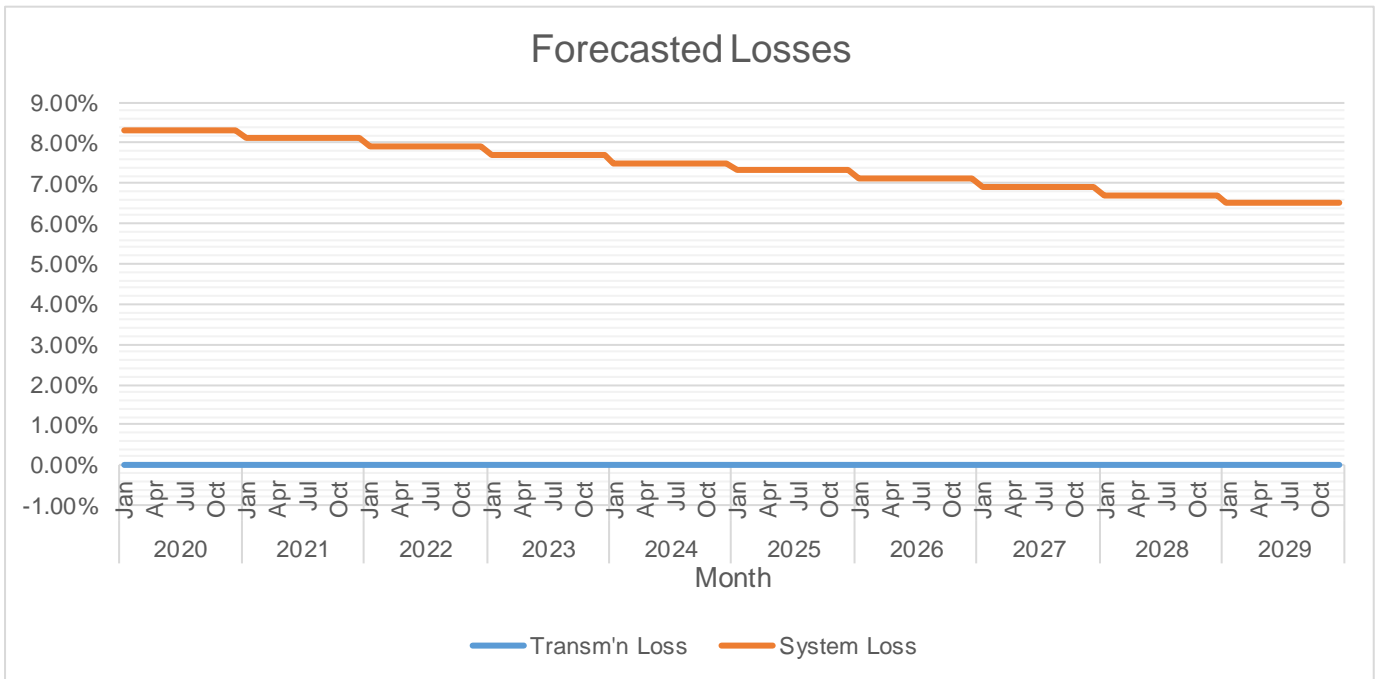
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Aug	351	324	27	0.00%	7.72%
	Sep	350	323	27	0.00%	7.72%
	Oct	365	337	28	0.00%	7.72%
	Nov	362	334	28	0.00%	7.72%
	Dec	391	361	30	0.00%	7.72%
2024	Jan	381	353	29	0.00%	7.52%
	Feb	350	324	26	0.00%	7.52%
	Mar	341	315	26	0.00%	7.52%
	Apr	391	362	29	0.00%	7.52%
	May	410	379	31	0.00%	7.52%
	Jun	396	366	30	0.00%	7.52%
	Jul	352	326	26	0.00%	7.52%
	Aug	382	353	29	0.00%	7.52%
	Sep	382	353	29	0.00%	7.52%
	Oct	398	368	30	0.00%	7.52%
	Nov	394	365	30	0.00%	7.52%
	Dec	426	394	32	0.00%	7.52%
2025	Jan	412	382	30	0.00%	7.32%
	Feb	378	350	28	0.00%	7.32%
	Mar	368	341	27	0.00%	7.32%
	Apr	423	392	31	0.00%	7.32%
	May	443	411	32	0.00%	7.32%
	Jun	428	397	31	0.00%	7.32%
	Jul	381	353	28	0.00%	7.32%
	Aug	413	383	30	0.00%	7.32%
	Sep	412	382	30	0.00%	7.32%
	Oct	430	399	31	0.00%	7.32%
	Nov	426	395	31	0.00%	7.32%
	Dec	461	427	34	0.00%	7.32%
2026	Jan	443	411	32	0.00%	7.12%
	Feb	406	377	29	0.00%	7.12%
	Mar	395	367	28	0.00%	7.12%
	Apr	454	422	32	0.00%	7.12%
	May	476	442	34	0.00%	7.12%
	Jun	460	427	33	0.00%	7.12%
	Jul	409	380	29	0.00%	7.12%
	Aug	443	412	32	0.00%	7.12%
	Sep	443	411	32	0.00%	7.12%
	Oct	462	429	33	0.00%	7.12%
	Nov	457	425	33	0.00%	7.12%
	Dec	495	459	35	0.00%	7.12%
2027	Jan	473	440	33	0.00%	6.92%
	Feb	434	404	30	0.00%	6.92%
	Mar	422	393	29	0.00%	6.92%
	Apr	485	451	34	0.00%	6.92%
	May	508	473	35	0.00%	6.92%
	Jun	491	457	34	0.00%	6.92%

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Jul	437	406	30	0.00%	6.92%
	Aug	474	441	33	0.00%	6.92%
	Sep	473	440	33	0.00%	6.92%
	Oct	493	459	34	0.00%	6.92%
	Nov	489	455	34	0.00%	6.92%
	Dec	528	492	37	0.00%	6.92%
2028	Jan	502	469	34	0.00%	6.72%
	Feb	461	430	31	0.00%	6.72%
	Mar	449	419	30	0.00%	6.72%
	Apr	515	481	35	0.00%	6.72%
	May	540	504	36	0.00%	6.72%
	Jun	522	487	35	0.00%	6.72%
	Jul	464	433	31	0.00%	6.72%
	Aug	503	469	34	0.00%	6.72%
	Sep	503	469	34	0.00%	6.72%
	Oct	524	489	35	0.00%	6.72%
	Nov	519	484	35	0.00%	6.72%
	Dec	561	524	38	0.00%	6.72%
2029	Jan	532	497	35	0.00%	6.52%
	Feb	488	456	32	0.00%	6.52%
	Mar	475	444	31	0.00%	6.52%
	Apr	545	510	36	0.00%	6.52%
	May	571	534	37	0.00%	6.52%
	Jun	552	516	36	0.00%	6.52%
	Jul	491	459	32	0.00%	6.52%
	Aug	532	498	35	0.00%	6.52%
	Sep	532	497	35	0.00%	6.52%
	Oct	555	518	36	0.00%	6.52%
	Nov	549	514	36	0.00%	6.52%
	Dec	594	555	39	0.00%	6.52%

MWh Offtake was forecasted using regression analysis. The assumed load factor is 57.28%.



MWh Output was expected to grow at a rate of 8.70% annually.

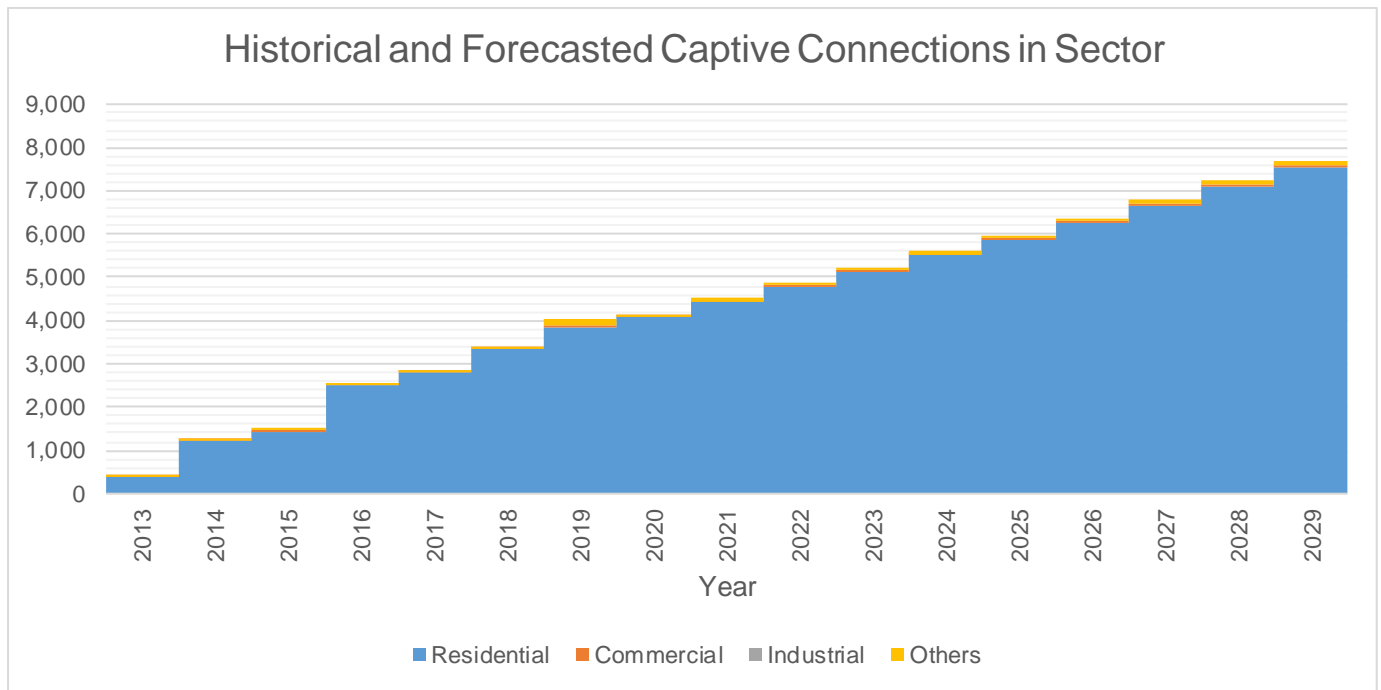


System Loss is expected to range from 6.52% to 8.32%.

Power Supply

The Sale for Resale Agreement with SOCOTECO-II will serve as a load following in the southern area of Palimbang, Sultan Kudarat. The actual billed overall monthly charge under the said agreement ranged from 9.00 P/kWh to 10.31 P/KWh in the past year.

Captive Customer Connections



The number of Residential connections is expected to grow at a rate of 6.91% annually. Said customer class is expected to account for 95.53% of the total consumption.