

# **Power Supply Procurement Plan 2020**

**SELINOG**

**(ZANECO)**

## Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	0.00	0	0	0	0	0	0%	0%	0%	0%
2001	0.00	0	0	0	0	0	0%	0%	0%	0%
2002	0.00	0	0	0	0	0	0%	0%	0%	0%
2003	0.00	0	0	0	0	0	0%	0%	0%	0%
2004	0.00	0	0	0	0	0	0%	0%	0%	0%
2005	0.00	0	0	0	0	0	0%	0%	0%	0%
2006	0.00	0	0	0	0	0	0%	0%	0%	0%
2007	0.00	0	0	0	0	0	0%	0%	0%	0%
2008	0.00	0	0	0	0	0	0%	0%	0%	0%
2009	0.00	0	0	0	0	0	0%	0%	0%	0%
2010	0.00	0	0	0	0	0	0%	0%	0%	0%
2011	0.00	0	0	0	0	0	0%	0%	0%	0%
2012	0.00	0	0	0	0	0	0%	0%	0%	0%
2013	0.00	0	0	0	0	0	0%	0%	0%	0%
2014	0.00	0	0	0	0	0	0%	0%	0%	0%
2015	0.00	0	0	0	0	0	0%	0%	0%	0%
2016	0.00	0	0	0	0	0	0%	0%	0%	0%
2017	0.00	0	0	0	0	0	0%	0%	0%	0%
2018	0.00	0	0	0	0	0	0%	0%	0%	0%
2019	0.00	0	0	0	0	0	0%	0%	0%	0%

Since the Island of Selinog is not energized, there is no available historical data that can be provided.

## Previous Year's Load Profile

The previous year's load profile and load curve is not available because it has no historical data.

## Forecasted Consumption Data

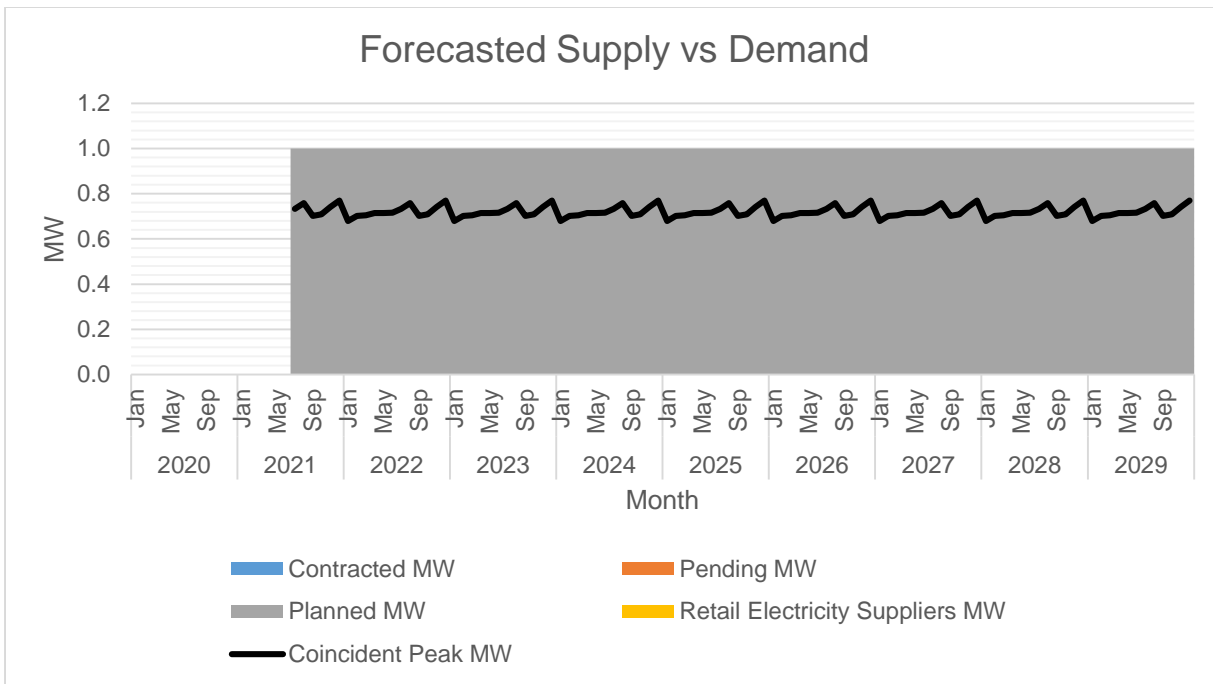
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2020	Jan		0.00	0.00	0.000		0%	0%	0.00
	Feb		0.00	0.00	0.000		0%	0%	0.00
	Mar		0.00	0.00	0.000		0%	0%	0.00
	Apr		0.00	0.00	0.000		0%	0%	0.00
	May		0.00	0.00	0.000		0%	0%	0.00
	Jun		0.00	0.00	0.000		0%	0%	0.00
	Jul		0.00	0.00	0.000		0%	0%	0.00
	Aug		0.00	0.00	0.000		0%	0%	0.00
	Sep		0.00	0.00	0.000		0%	0%	0.00
	Oct		0.00	0.00	0.000		0%	0%	0.00
	Nov		0.00	0.00	0.000		0%	0%	0.00
	Dec		0.00	0.00	0.000		0%	0%	0.00
2021	Jan		0.00	0.00	0.000		0%	0%	0.00
	Feb		0.00	0.00	0.000		0%	0%	0.00
	Mar		0.00	0.00	0.000		0%	0%	0.00
	Apr		0.00	0.00	0.000		0%	0%	0.00
	May		0.00	0.00	0.000		0%	0%	0.00
	Jun		0.00	0.00	0.000		0%	0%	0.00
	Jul	0.73	0.00	0.00	1.000		0%	136%	0.27
	Aug	0.76	0.00	0.00	1.000		0%	132%	0.24
	Sep	0.70	0.00	0.00	1.000		0%	142%	0.30
	Oct	0.71	0.00	0.00	1.000		0%	141%	0.29
	Nov	0.74	0.00	0.00	1.000		0%	135%	0.26
	Dec	0.77	0.00	0.00	1.000		0%	130%	0.23
2022	Jan	0.68	0.00	0.00	1.000		0%	147%	0.32
	Feb	0.70	0.00	0.00	1.000		0%	142%	0.30
	Mar	0.70	0.00	0.00	1.000		0%	142%	0.30
	Apr	0.71	0.00	0.00	1.000		0%	140%	0.29
	May	0.72	0.00	0.00	1.000		0%	140%	0.29

	Jun	0.72	0.00	0.00	1.000		0%	140%	0.28
	Jul	0.73	0.00	0.00	1.000		0%	136%	0.27
	Aug	0.76	0.00	0.00	1.000		0%	132%	0.24
	Sep	0.70	0.00	0.00	1.000		0%	142%	0.30
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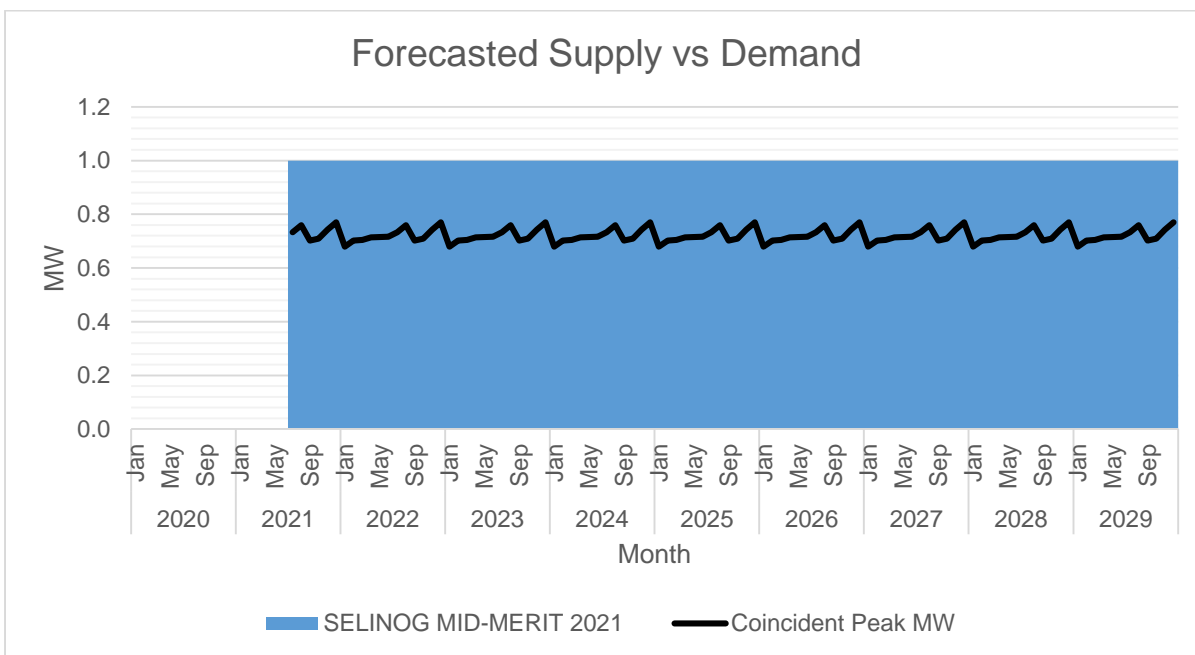
	May	0.72	0.00	0.00	1.000		0%	140%	0.29
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	Nov	0.74	0.00	0.00	1.000		0%	135%	0.26
	Dec	0.77	0.00	0.00	1.000		0%	130%	0.23

The Peak Demand was forecasted using Short Term Load Forecasting using Seasonal Effects and was assumed to occur on the month of December due to Christmas season. Monthly Peak Demand is at its lowest on the month of January due to its first month of the year.

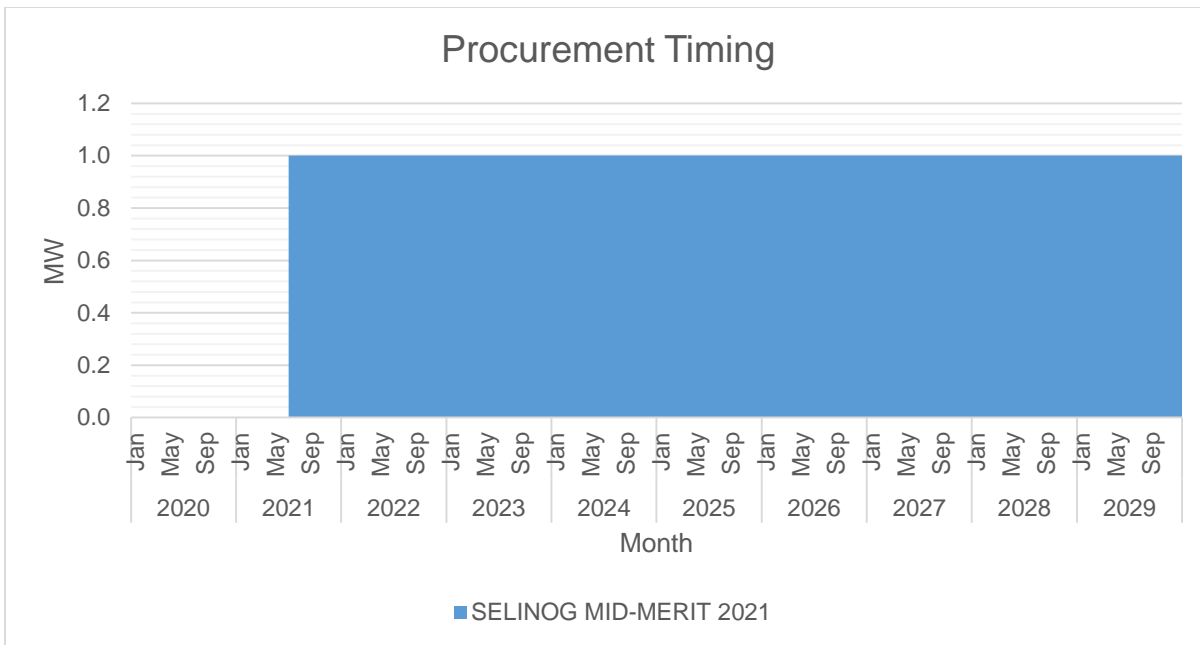


The available supply is generally above the Peak Demand. This is to ensure capacity for unprecedented potential new connections.

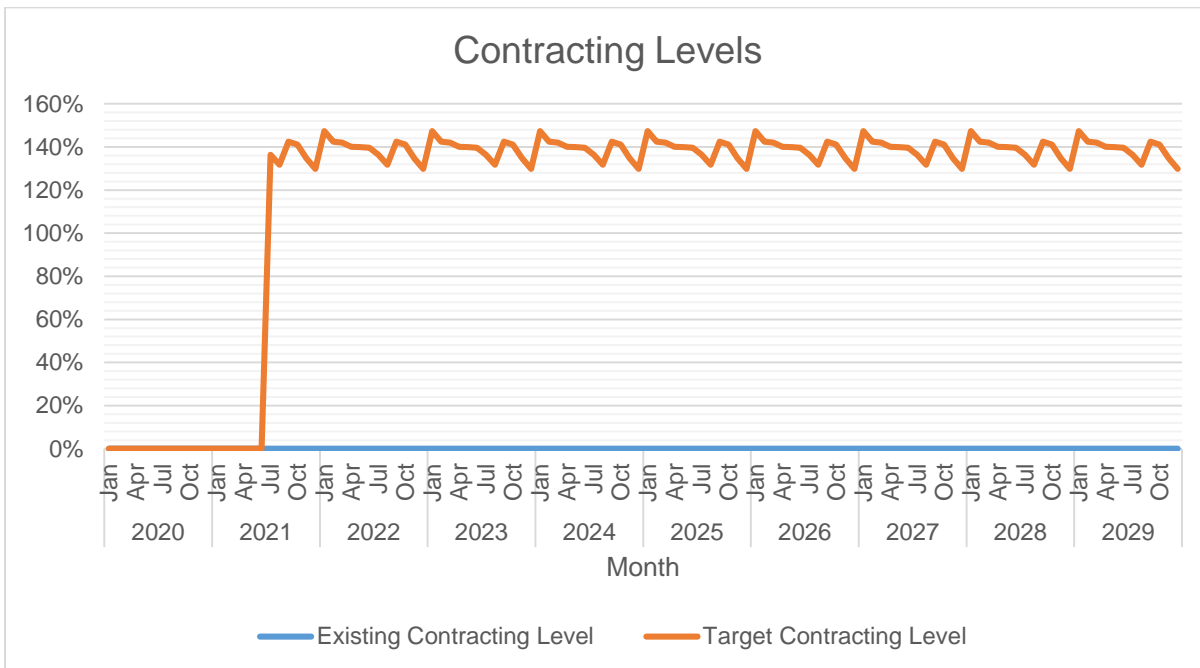


There is only one available supply which is subject for CSP this year 2020 with one (1) MW from a mid-merit power plant.

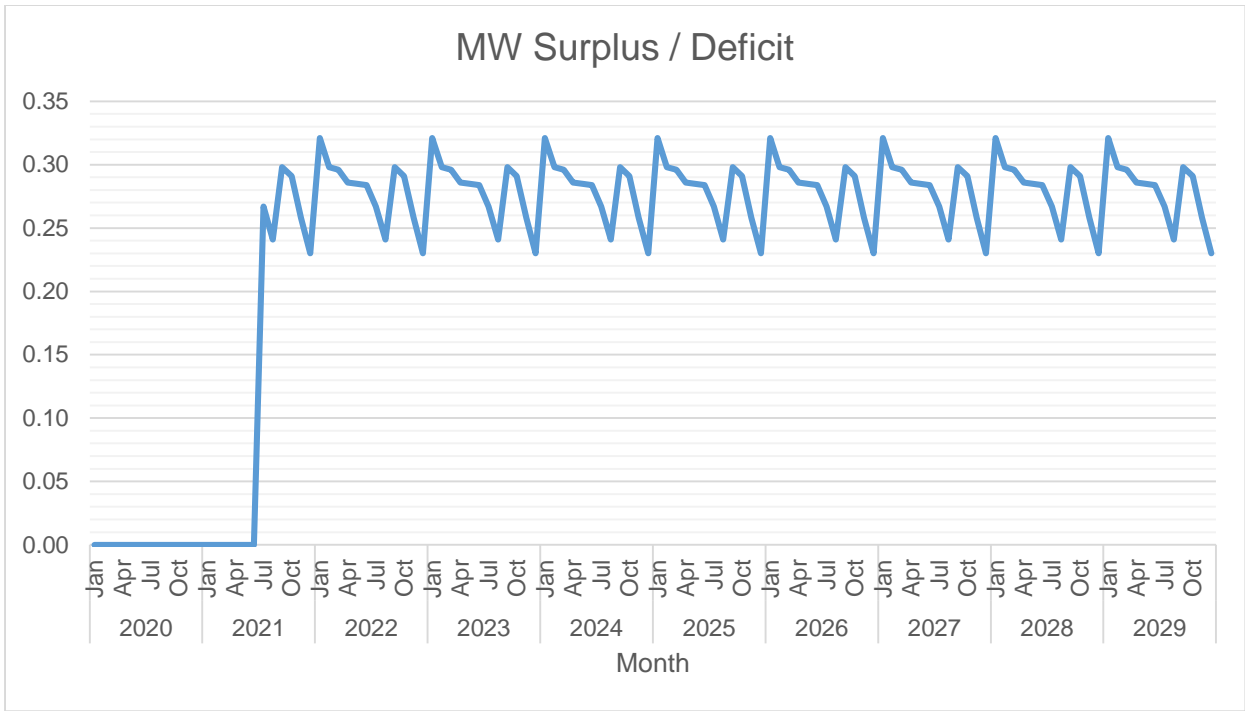




The first wave of supply procurement will be for 1 MW planned to be available by the month of July 2021.



Currently, there is no existing power supply contracts. The highest target contracting level is 147% which is expected to occur on the month of January. The lowest target contracting level is 130% which is expected to occur on the month of December.



Currently, there is no existing power supply contracts. The highest surplus is 0.32 MW which is expected to occur on the month of January. The lowest surplus is 0.23 MW which is expected to occur on the month of December.

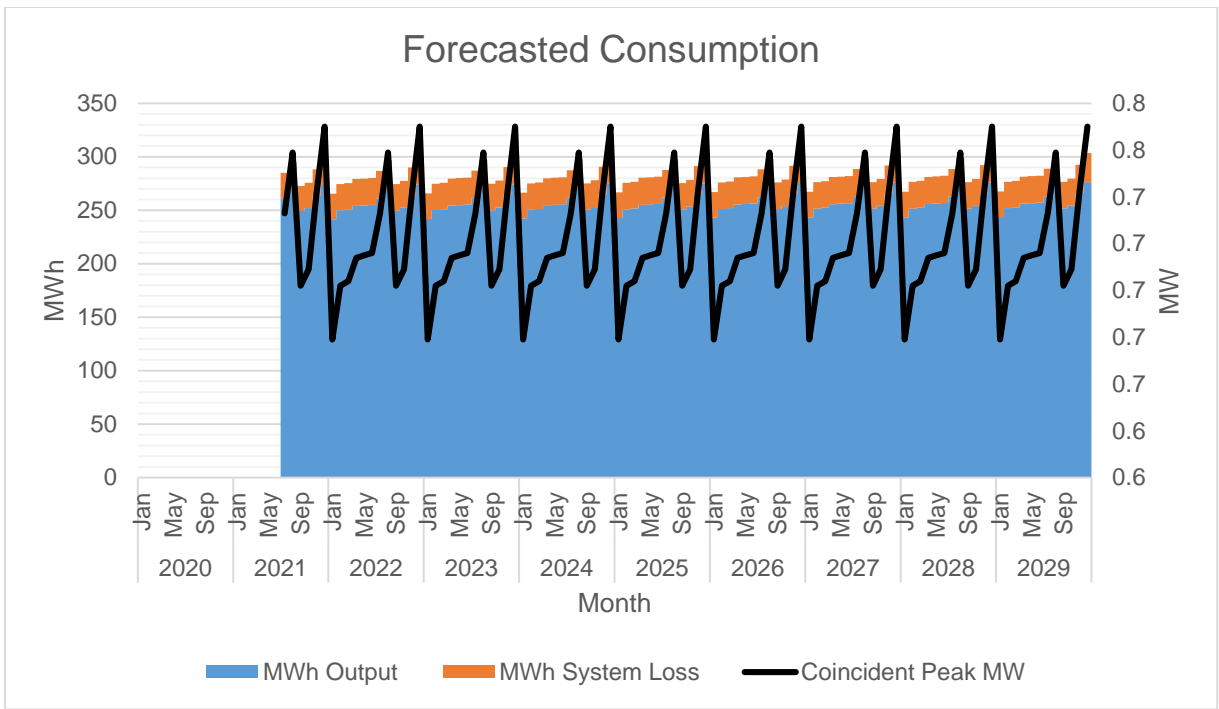
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2020	Jan	0	0	0	0.00%	0.00%
	Feb	0	0	0	0.00%	0.00%
	Mar	0	0	0	0.00%	0.00%
	Apr	0	0	0	0.00%	0.00%
	May	0	0	0	0.00%	0.00%
	Jun	0	0	0	0.00%	0.00%
	Jul	0	0	0	0.00%	0.00%
	Aug	0	0	0	0.00%	0.00%
	Sep	0	0	0	0.00%	0.00%
	Oct	0	0	0	0.00%	0.00%
	Nov	0	0	0	0.00%	0.00%
	Dec	0	0	0	0.00%	0.00%
2021	Jan	0	0	0	0.00%	0.00%
	Feb	0	0	0	0.00%	0.00%
	Mar	0	0	0	0.00%	0.00%
	Apr	0	0	0	0.00%	0.00%
	May	0	0	0	0.00%	0.00%
	Jun	0	0	0	0.00%	0.00%
	Jul	285	261	24	0.00%	8.57%
	Aug	295	270	25	0.00%	8.57%
	Sep	273	249	23	0.00%	8.57%
	Oct	276	252	24	0.00%	8.57%
	Nov	288	264	25	0.00%	8.57%
	Dec	299	274	26	0.00%	8.57%
2022	Jan	266	242	24	0.00%	9.00%
	Feb	275	250	25	0.00%	9.00%

	Mar	275	251	25	0.00%	9.00%
	Apr	279	254	25	0.00%	9.00%
	May	280	255	25	0.00%	9.00%
	Jun	280	255	25	0.00%	9.00%
	Jul	287	261	26	0.00%	9.00%
	Aug	297	270	27	0.00%	9.00%
	Sep	274	250	25	0.00%	9.00%
	Oct	277	252	25	0.00%	9.00%
	Nov	290	264	26	0.00%	9.00%
	Dec	301	274	27	0.00%	9.00%
2023	Jan	266	242	24	0.00%	9.00%
	Feb	275	250	25	0.00%	9.00%
	Mar	276	251	25	0.00%	9.00%
	Apr	280	254	25	0.00%	9.00%
	May	280	255	25	0.00%	9.00%
	Jun	281	255	25	0.00%	9.00%
	Jul	287	261	26	0.00%	9.00%
	Aug	297	270	27	0.00%	9.00%
	Sep	275	250	25	0.00%	9.00%
	Oct	278	253	25	0.00%	9.00%
	Nov	290	264	26	0.00%	9.00%
	Dec	301	274	27	0.00%	9.00%
2024	Jan	266	242	24	0.00%	9.00%
	Feb	275	250	25	0.00%	9.00%
	Mar	276	251	25	0.00%	9.00%
	Apr	280	255	25	0.00%	9.00%
	May	280	255	25	0.00%	9.00%
	Jun	281	256	25	0.00%	9.00%
	Jul	287	262	26	0.00%	9.00%
	Aug	298	271	27	0.00%	9.00%
	Sep	275	250	25	0.00%	9.00%
	Oct	278	253	25	0.00%	9.00%
	Nov	291	265	26	0.00%	9.00%
	Dec	302	275	27	0.00%	9.00%
2025	Jan	267	243	24	0.00%	9.00%
	Feb	276	251	25	0.00%	9.00%
	Mar	276	252	25	0.00%	9.00%
	Apr	280	255	25	0.00%	9.00%
	May	281	256	25	0.00%	9.00%
	Jun	281	256	25	0.00%	9.00%
	Jul	288	262	26	0.00%	9.00%
	Aug	298	271	27	0.00%	9.00%
	Sep	276	251	25	0.00%	9.00%
	Oct	278	253	25	0.00%	9.00%
	Nov	291	265	26	0.00%	9.00%
	Dec	302	275	27	0.00%	9.00%
2026	Jan	267	243	24	0.00%	9.00%
	Feb	276	251	25	0.00%	9.00%
	Mar	277	252	25	0.00%	9.00%
	Apr	281	255	25	0.00%	9.00%
	May	281	256	25	0.00%	9.00%

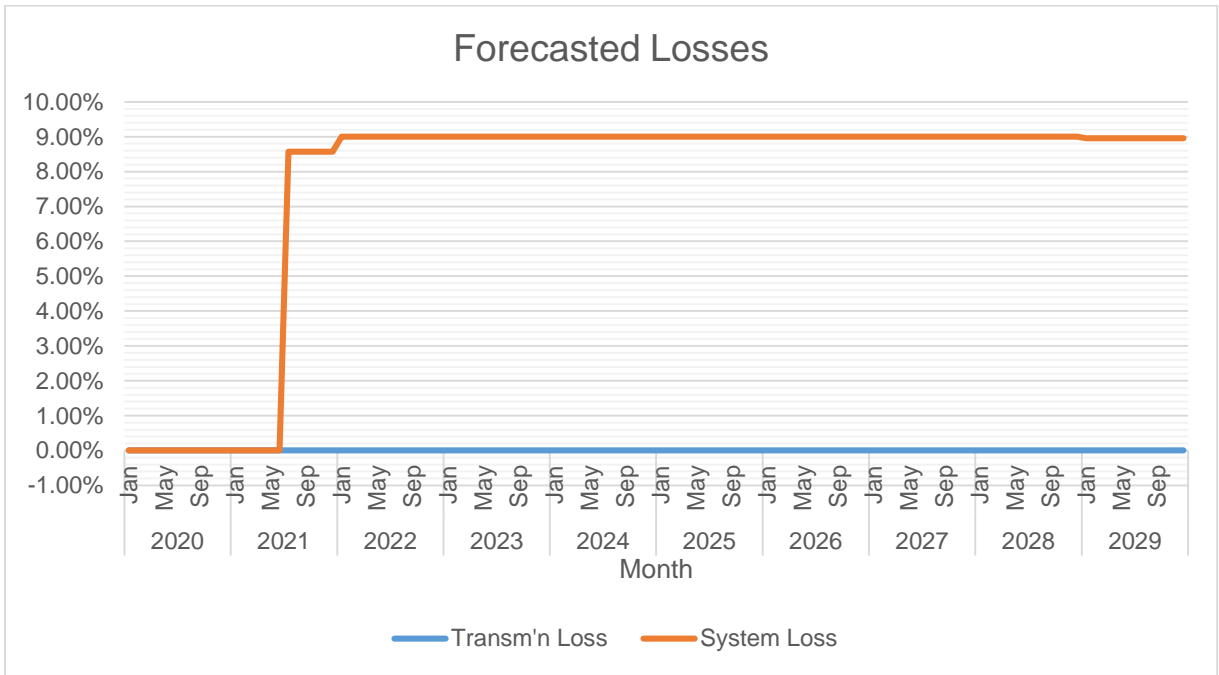
	Jun	282	256	25	0.00%	9.00%
	Jul	288	262	26	0.00%	9.00%
	Aug	298	271	27	0.00%	9.00%
	Sep	276	251	25	0.00%	9.00%
	Oct	279	254	25	0.00%	9.00%
	Nov	292	265	26	0.00%	9.00%
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	Feb	276	251	25	0.00%	9.00%
	Mar	277	252	25	0.00%	9.00%
	Apr	281	256	25	0.00%	9.00%
	May	281	256	25	0.00%	9.00%
	Jun	282	257	25	0.00%	9.00%
	Jul	289	263	26	0.00%	9.00%
	Aug	299	272	27	0.00%	9.00%
	Sep	276	251	25	0.00%	9.00%
	Oct	279	254	25	0.00%	9.00%
	Nov	292	266	26	0.00%	9.00%
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	May	282	256	25	0.00%	9.00%
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	Sep	276	252	25	0.00%	9.00%
	Oct	279	254	25	0.00%	9.00%
	Nov	292	266	26	0.00%	9.00%
	Dec	303	276	27	0.00%	9.00%
2029	Jan	268	244	24	0.00%	8.95%
	Feb	277	252	25	0.00%	8.95%
	Mar	278	253	25	0.00%	8.95%
	Apr	281	256	25	0.00%	8.95%
	May	282	257	25	0.00%	8.95%
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	Nov	292	266	26	0.00%	8.95%
	Dec	303	276	27	0.00%	8.95%

MWh Offtake was forecasted using Short Term Load Forecasting using Seasonal Effects.

System Loss was calculated through a Load Flow Study conducted on March of 2020 by the Technical Data Processors (TDP) using Synergee software. Based on the same study, the Distribution System can adequately convey electricity to customers.



The MWh Input and System Loss for Selinog has no progression over the forecast timeline because of the unavailability of historical data.



There is no transmission Loss over the forecast timeline while System Loss is expected to range from 8.57% to 9.00%.

## Power Supply

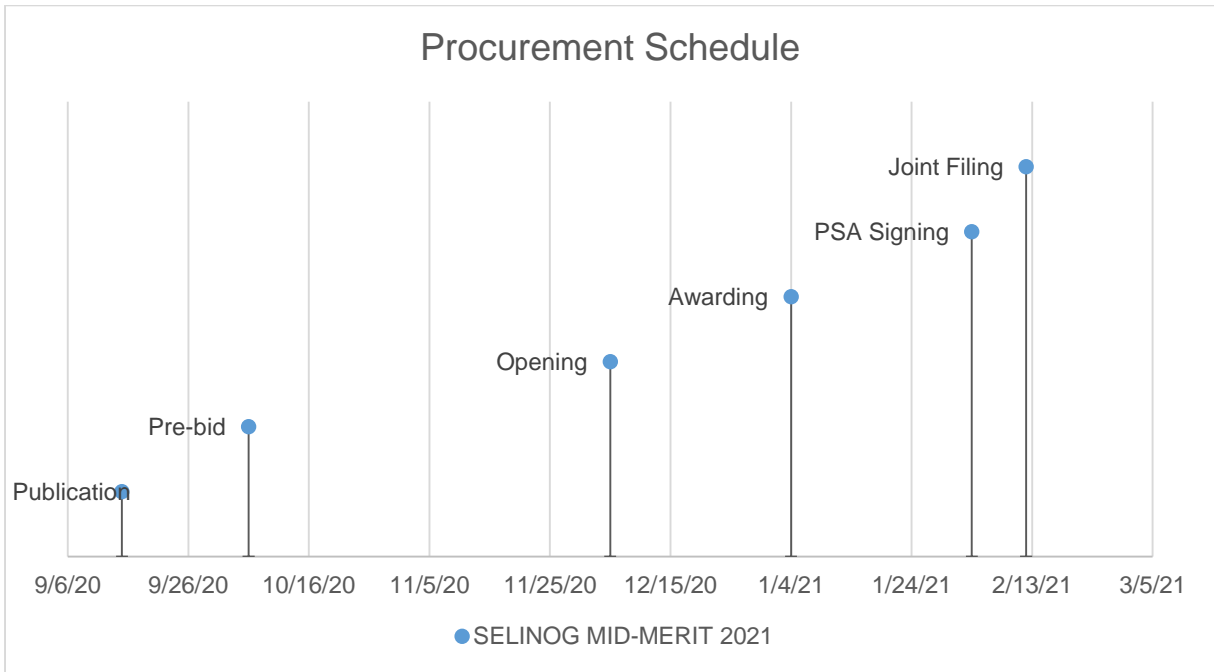
Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
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There is no existing power supply contracts procured for Selinog Island.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
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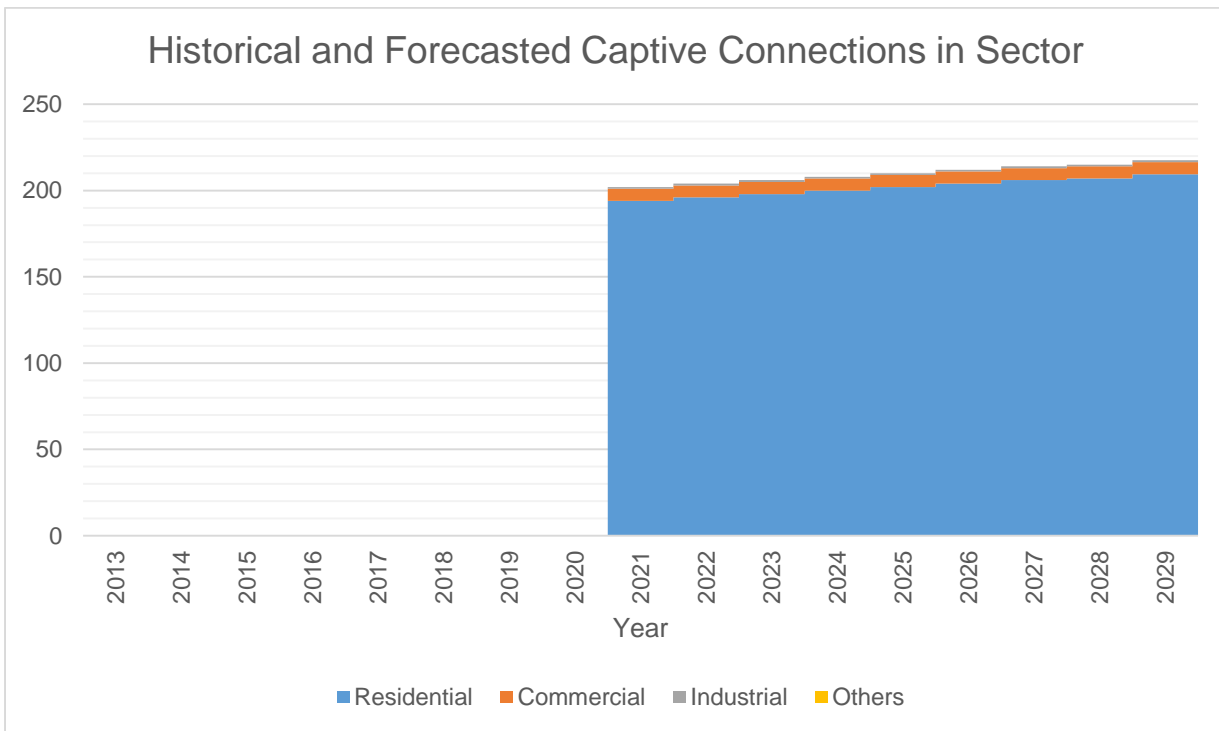
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<b>SELINOG MID-MERIT 2021</b>	
Type	Intermediate
Minimum MW	1.00
Minimum MWh/yr	3,073
PSA Start	7/1/2021
PSA End	12/31/2030
Publication	9/15/2020
Pre-bid	10/6/2020
Opening	12/5/2020
Awarding	1/4/2021
PSA Signing	2/3/2021
Joint Filing	2/12/2021



For the procurement of 1 MW of supply which is planned to be available on July 2021, the first publication or launch of CSP will be tentatively on September 15, 2020. Joint filing is planned on February 12, 2021, or 150 days later, in accordance with DOE's 2018 CSP Policy. These schedules are based on this PSPP for 2020. However, procurement of 1 MW of supply for Selinog is already approved by DOE under the ZANECO's PSPP for the year 2019.

# Captive Customer Connections



The number of residential connections is expected to grow at a rate of 1.03 % annually. Said customer class is expected to account for 12.29% of the total consumption.