

# **Power Supply Procurement Plan 2020**

**ALIGUAY**

**(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 Aliquay 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

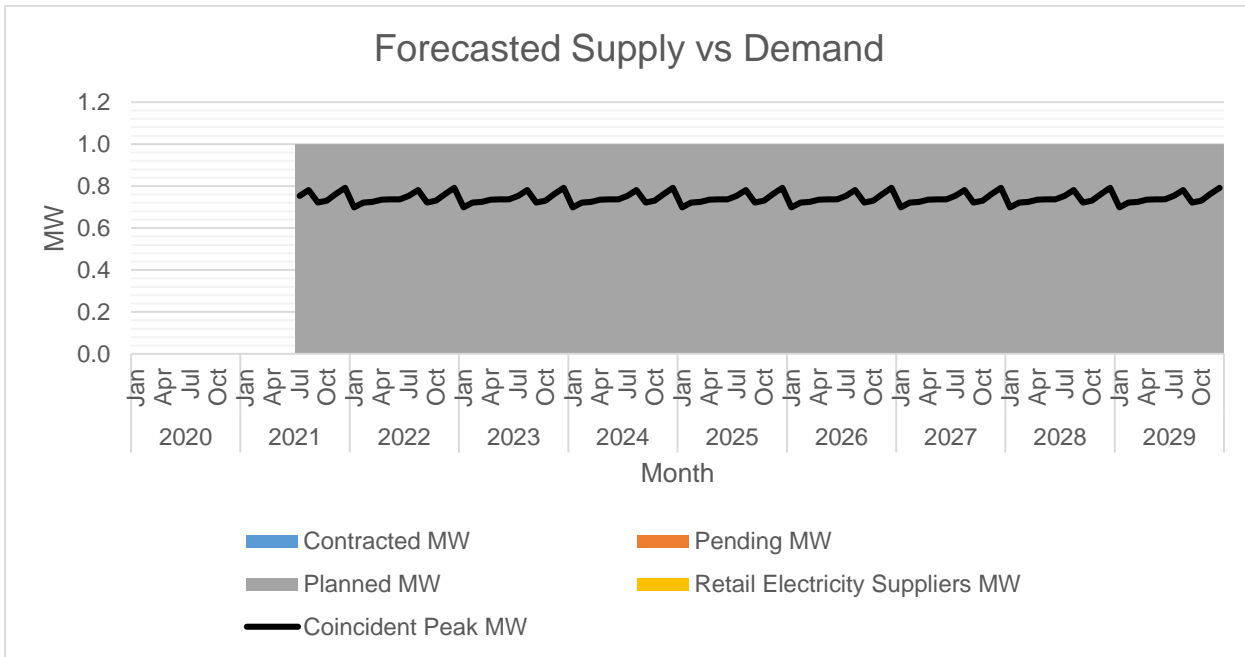
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2020	Jan		0.00	0.00	0.000		0%	0%	0.00
	Feb		0.00	0.00	0.000		0%	0%	0.00
	Mar		0.00	0.00	0.000		0%	0%	0.00
	Apr		0.00	0.00	0.000		0%	0%	0.00
	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	0.75	0.00	0.00	1.000		0%	133%	0.25
	Aug	0.78	0.00	0.00	1.000		0%	128%	0.22
	Sep	0.72	0.00	0.00	1.000		0%	139%	0.28
	Oct	0.73	0.00	0.00	1.000		0%	137%	0.27
	Nov	0.76	0.00	0.00	1.000		0%	131%	0.24
	Dec	0.79	0.00	0.00	1.000		0%	126%	0.21
2022	Jan	0.70	0.00	0.00	1.000		0%	143%	0.30
	Feb	0.72	0.00	0.00	1.000		0%	139%	0.28
	Mar	0.73	0.00	0.00	1.000		0%	138%	0.28
	Apr	0.74	0.00	0.00	1.000		0%	136%	0.27
	May	0.74	0.00	0.00	1.000		0%	136%	0.26

	Jun	0.74	0.00	0.00	1.000		0%	136%	0.26
	Jul	0.75	0.00	0.00	1.000		0%	133%	0.25
	Aug	0.78	0.00	0.00	1.000		0%	128%	0.22
	Sep	0.72	0.00	0.00	1.000		0%	139%	0.28
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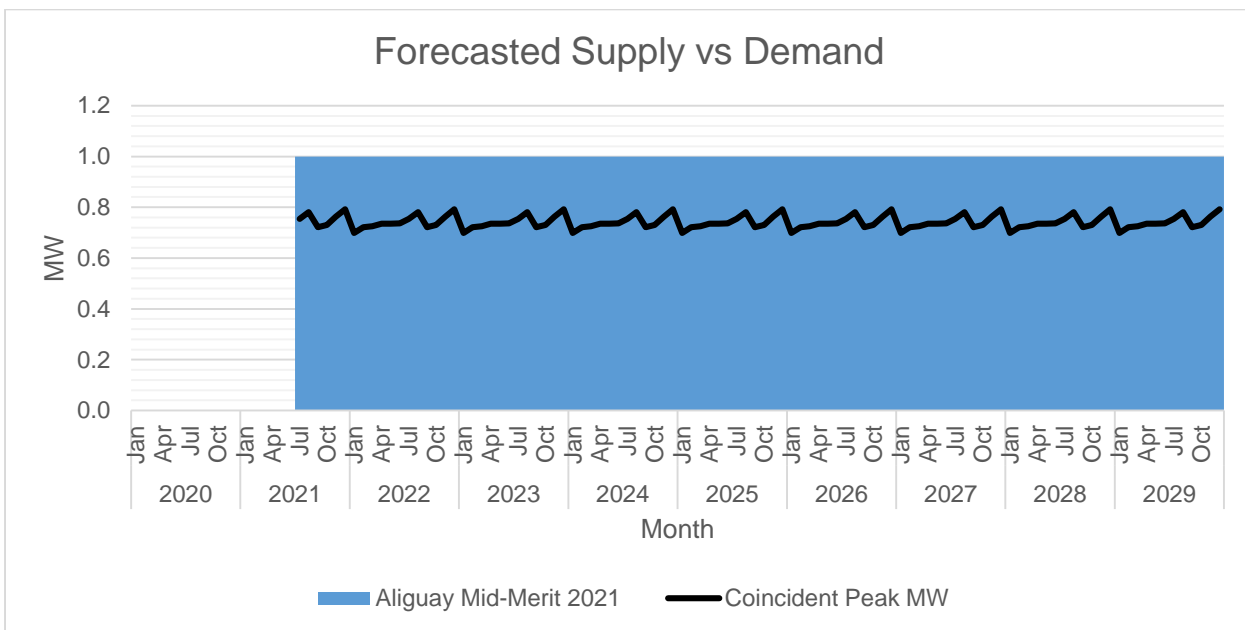
	May	0.74	0.00	0.00	1.000		0%	136%	0.26
	Jun	0.74	0.00	0.00	1.000		0%	136%	0.26
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	Dec	0.79	0.00	0.00	1.000		0%	126%	0.21

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 to its first month of the year.

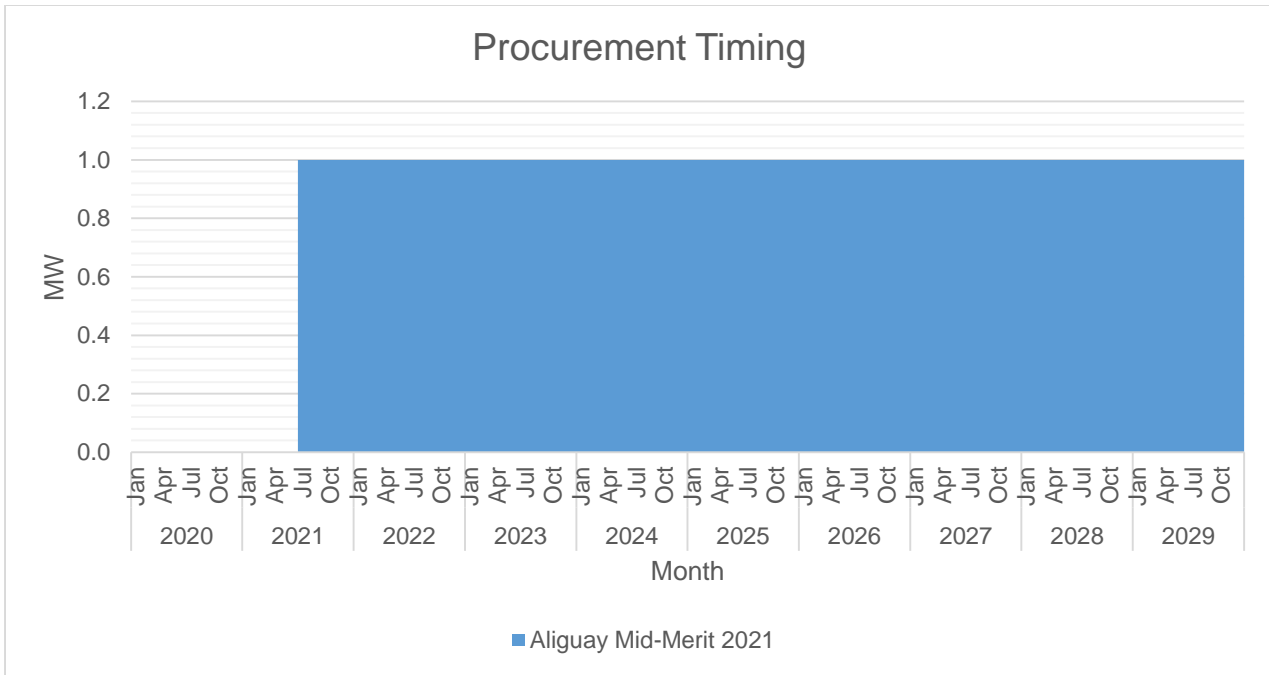


The available supply is generally above the Peak Demand. This is to ensure capacity for unprecedented potential new connections.

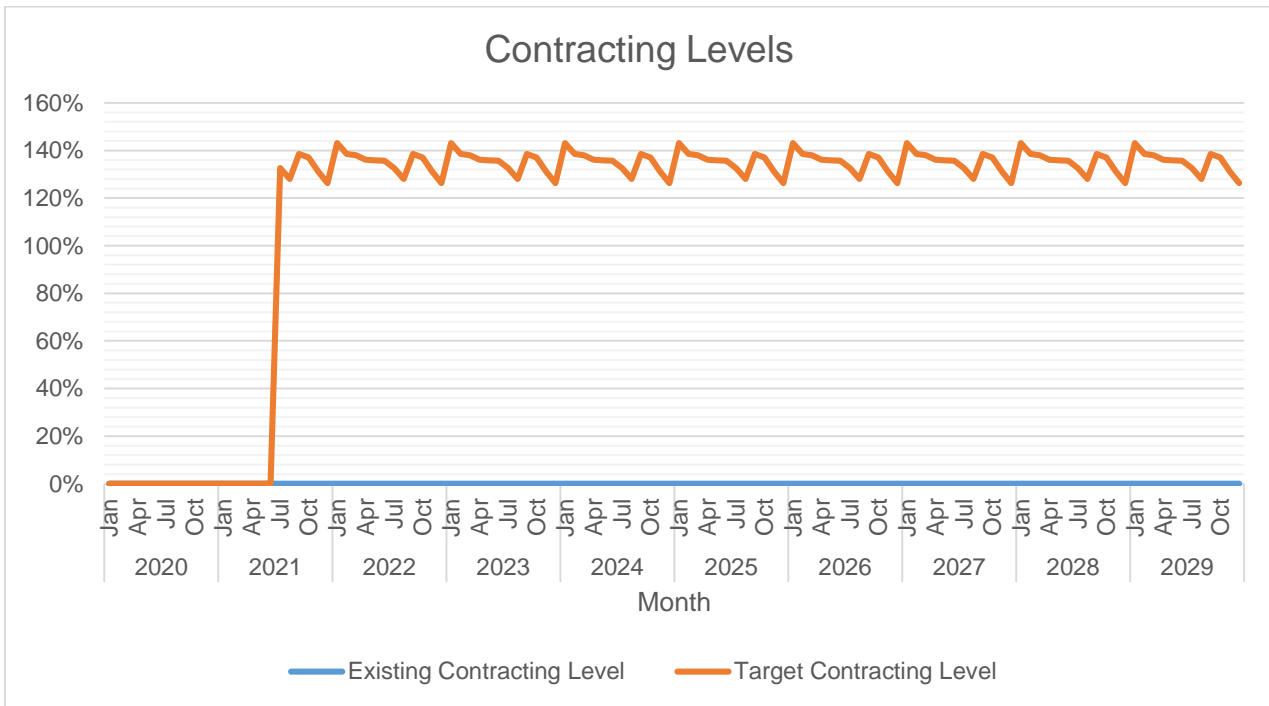


There is only one available supply which is subject for CSP this year 2020 with one (1) MW from a mid-merit power plant.

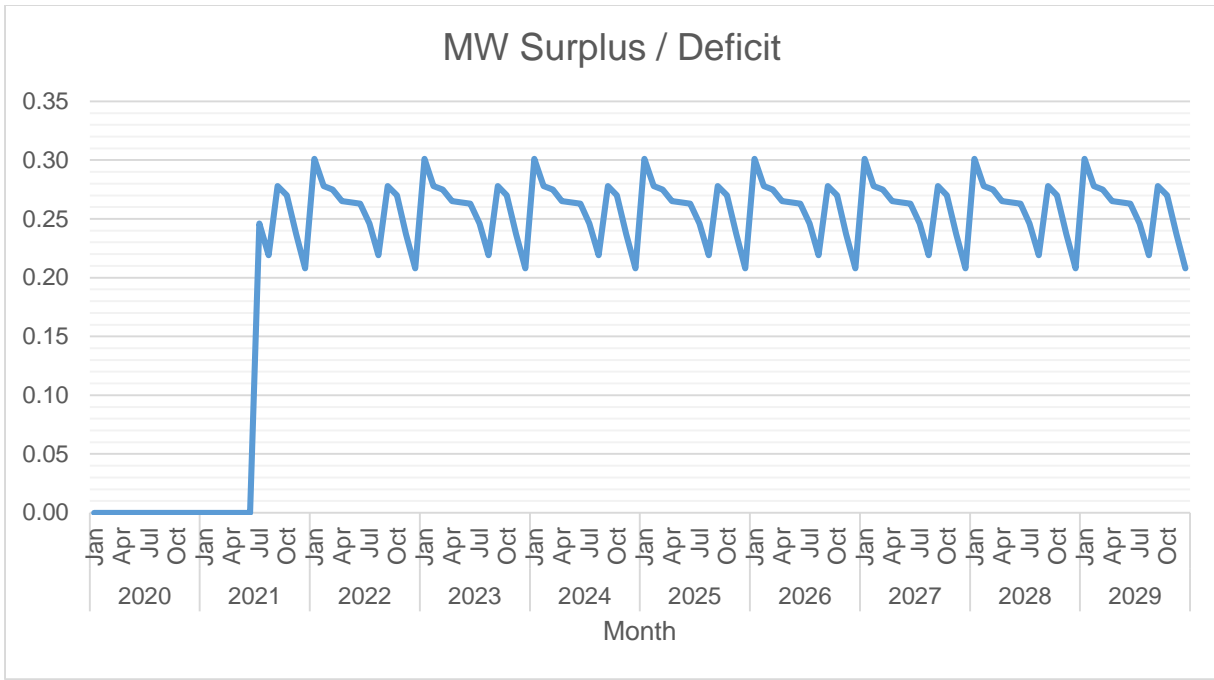




The first wave of supply procurement will be for 1 MW planned to be available by the month of July 2021.



Currently, there is no existing power supply contracts. The highest target contracting level is 143% which is expected to occur on the month of January. The lowest target contracting level is 126% which is expected to occur on the month of December.



Currently, there is no existing power supply contracts. The highest surplus is 0.30 MW which is expected to occur on the month of January. The lowest surplus is 0.21 MW which is expected to occur on the month of December.

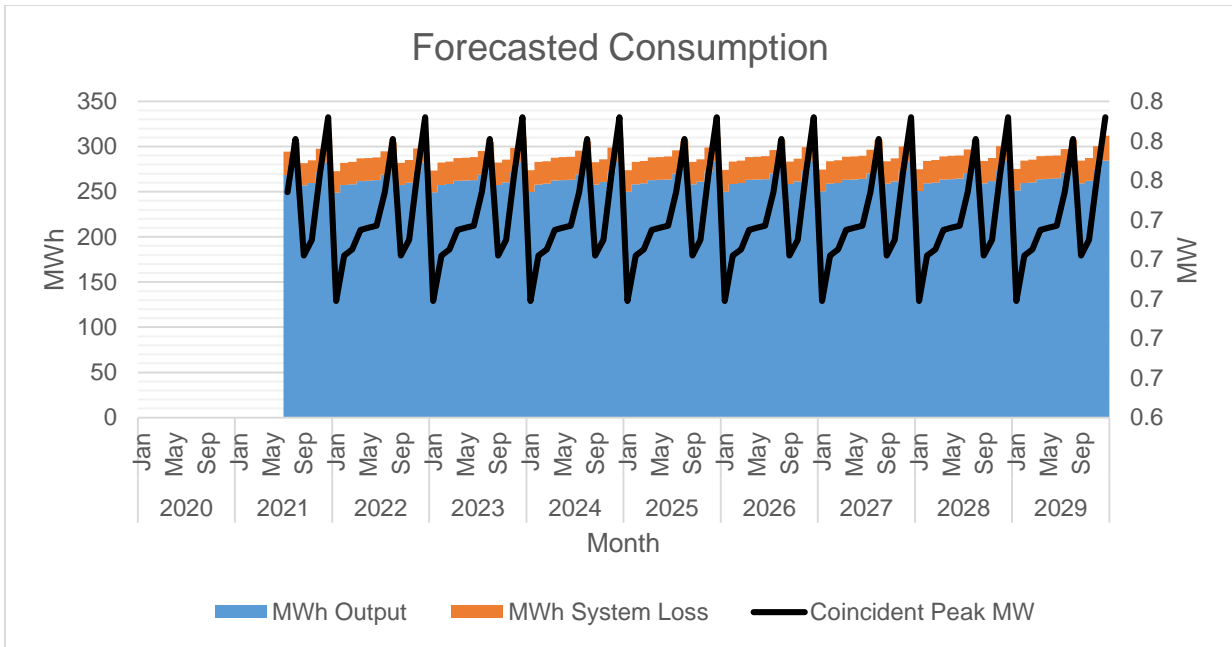
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2020	Jan	0	0	0	0.00%	0.00%
	Feb	0	0	0	0.00%	0.00%
	Mar	0	0	0	0.00%	0.00%
	Apr	0	0	0	0.00%	0.00%
	May	0	0	0	0.00%	0.00%
	Jun	0	0	0	0.00%	0.00%
	Jul	0	0	0	0.00%	0.00%
	Aug	0	0	0	0.00%	0.00%
	Sep	0	0	0	0.00%	0.00%
	Oct	0	0	0	0.00%	0.00%
	Nov	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	294	268	26	0.00%	8.75%
	Aug	304	278	27	0.00%	8.75%
	Sep	282	257	25	0.00%	8.75%
	Oct	285	260	25	0.00%	8.75%
	Nov	298	272	26	0.00%	8.75%
	Dec	309	282	27	0.00%	8.75%
2022	Jan	273	249	24	0.00%	8.75%
	Feb	282	257	25	0.00%	8.75%
	Mar	283	258	25	0.00%	8.75%

	Apr	287	262	25	0.00%	8.75%
	May	287	262	25	0.00%	8.75%
	Jun	288	263	25	0.00%	8.75%
	Jul	295	269	26	0.00%	8.75%
	Aug	305	278	27	0.00%	8.75%
	Sep	282	257	25	0.00%	8.75%
	Oct	285	260	25	0.00%	8.75%
	Nov	298	272	26	0.00%	8.75%
	Dec	309	282	27	0.00%	8.75%
2023	Jan	273	249	24	0.00%	8.81%
	Feb	282	258	25	0.00%	8.81%
	Mar	283	258	25	0.00%	8.81%
	Apr	287	262	25	0.00%	8.81%
	May	288	262	25	0.00%	8.81%
	Jun	288	263	25	0.00%	8.81%
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	Oct	285	260	25	0.00%	8.81%
	Nov	298	272	26	0.00%	8.81%
	Dec	310	282	27	0.00%	8.81%
2024	Jan	274	250	24	0.00%	8.81%
	Feb	283	258	25	0.00%	8.81%
	Mar	284	259	25	0.00%	8.81%
	Apr	288	262	25	0.00%	8.81%
	May	288	263	25	0.00%	8.81%
	Jun	289	263	25	0.00%	8.81%
	Jul	295	269	26	0.00%	8.81%
	Aug	306	279	27	0.00%	8.81%
	Sep	283	258	25	0.00%	8.81%
	Oct	286	261	25	0.00%	8.81%
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	Jun	289	264	25	0.00%	8.75%
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	Aug	306	279	27	0.00%	8.75%
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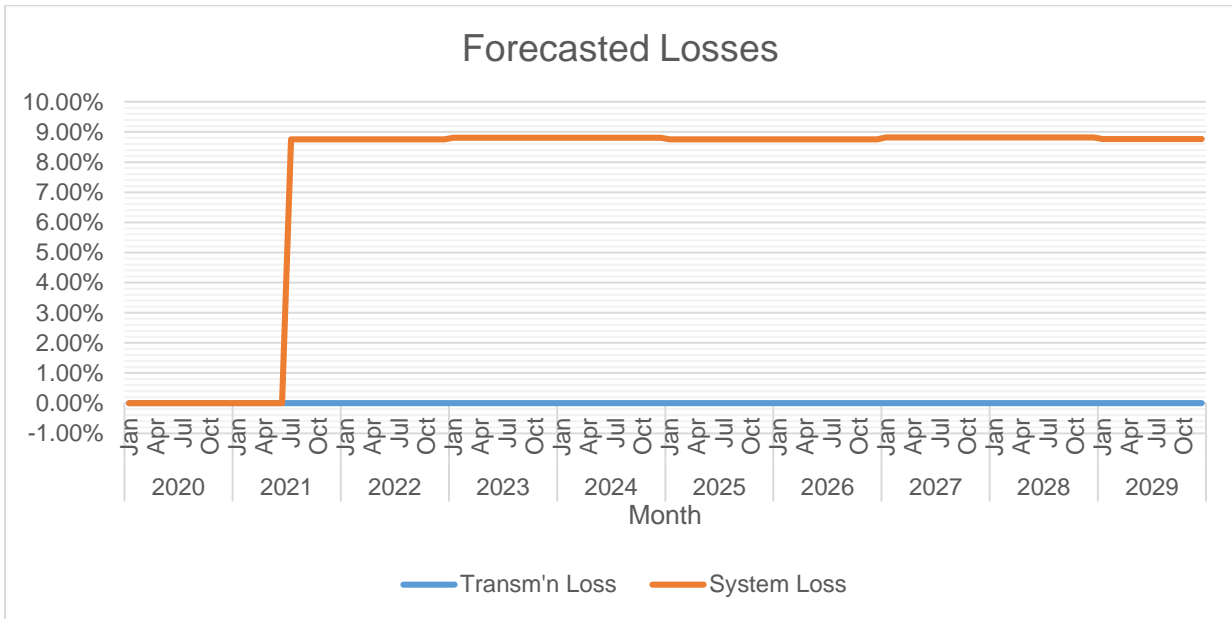
	Jul	296	270	26	0.00%	8.75%
	Aug	306	280	27	0.00%	8.75%
	Sep	283	259	25	0.00%	8.75%
	Oct	286	261	25	0.00%	8.75%
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MWh Offtake was forecasted using Short Term Load Forecasting using Seasonal Effects.

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



The MWh Input and System Loss for Aliguay 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 8.75% to 8.81%.

## 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 Aliguay Island.

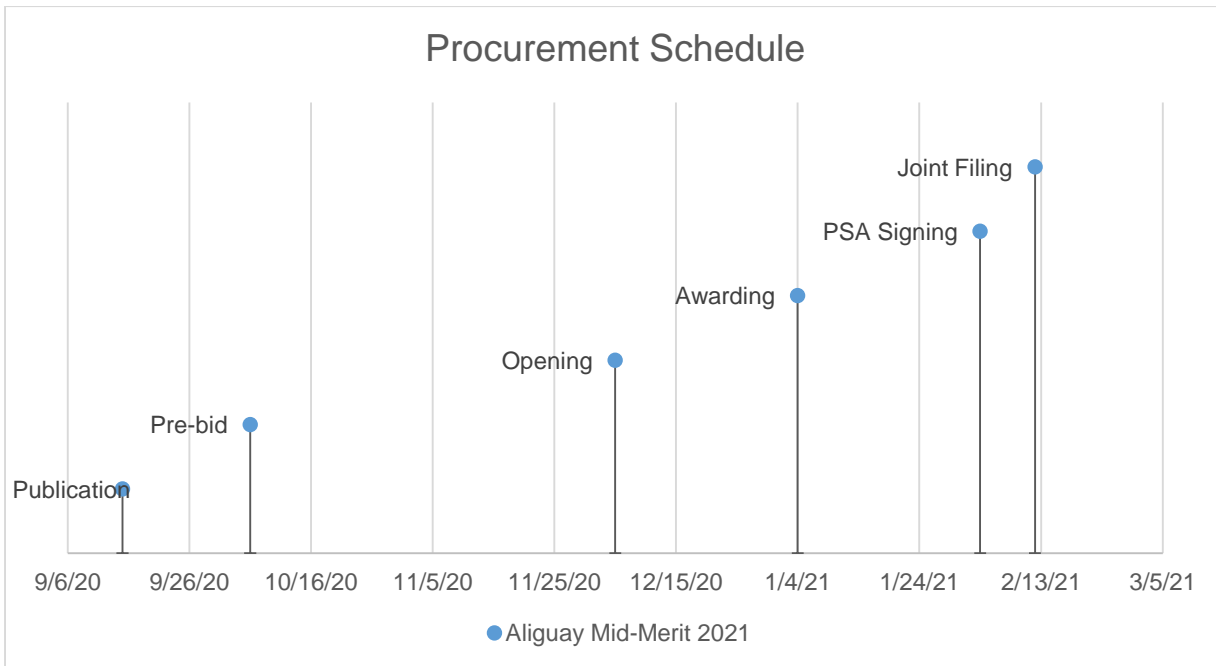
[Repeat as needed]

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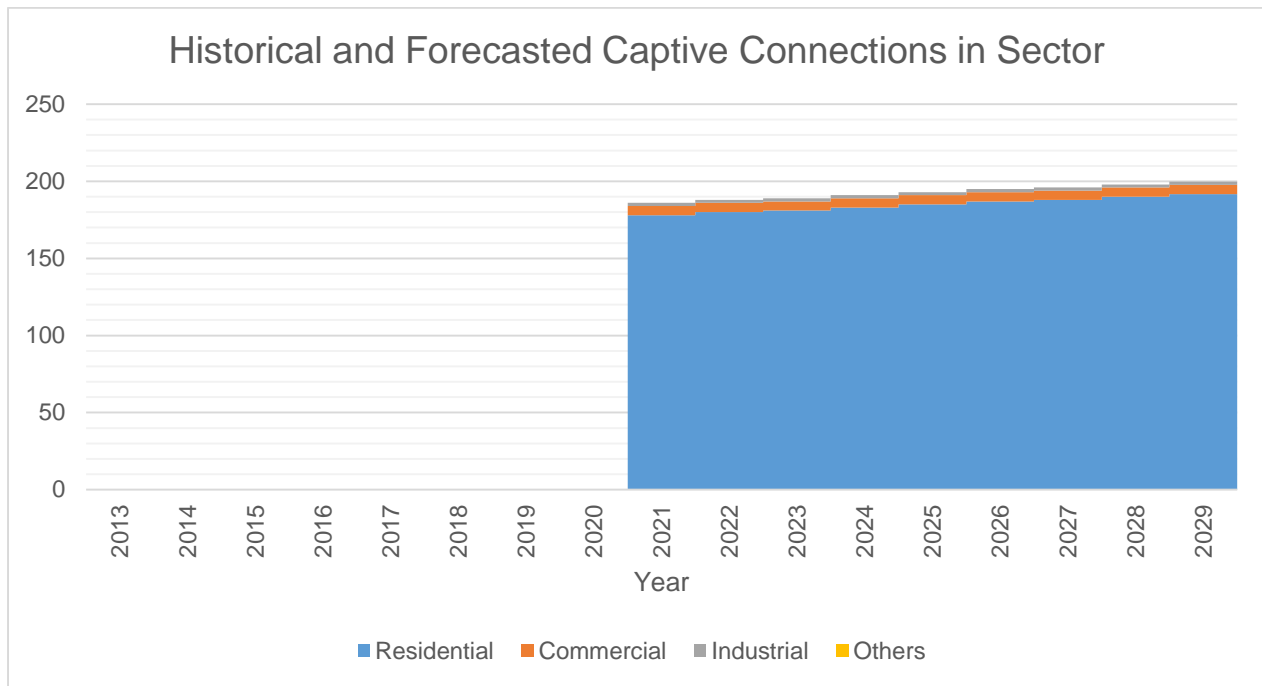
[Repeat as needed]

	Aliguay Mid-Merit 2021
Type	Intermediate
Minimum MW	1.00
Minimum MWh/yr	3,165
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 Aliguay 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 1.11% annually. Said customer class is expected to account for 12.38% of the total consumption.