ILIGAN LIGHT AND POWER, INC.

POWER SUPPLY PROCUREMENT PLAN

In compliance with the Department of Energy's (DOE) Department Circular No. DC 2018-02-0003, "Adopting and Prescribing the Policy for the Competitive Selection Process in the Procurement by the Distribution Utilities of Power Supply Agreement for the Captive Market" or the Competitive Selection process (CSP) Policy, the Power Supply Procurement Plan (PSPP) Report is hereby created, pursuant to the Section 4 of the said Circular.

The PSPP refers to the DUs' plan for the acquisition of a variety of demand-side and supply-side resources to cost-effectively meet the electricity needs of its customers. The PSPP is an integral part of the Distribution Utilities' Distribution Development Plan (DDP) and must be submitted to the Department of Energy with supported Board Resolution and/or notarized Secretary's Certificate.

The Third-Party Bids and Awards Committee (TPBAC), Joint TPBAC or Third Party Auctioneer (TPA) shall submit to the DOE and in the case of Electric Cooperatives (ECs), through the National Electrification Administration (NEA) the following:

- a. Power Supply Procurement Plan;
- b. Distribution Impact Study/ Load Flow Analysis conducted that served as the basis of the Terms of Reference; and
- c. Due diligence report of the existing generation plant

All Distribution Utilities' shall follow and submit the attached report to the Department of Energy for posting on the DOE CSP Portal. For ECs such reports shall be submitted to DOE and NEA. The NEA shall review the submitted report within ten (10) working days upon receipt prior to its submission to DOE for posting at the DOE CSP Portal.

The content of the PSSP shall be consistent with the DDP. The tables and graph format to be use on the PSPP report is provided on the following sheets. Further, the PSPP shall contain the following sections:

- I. Table of Contents
- II. Introduction
- III. Energy and Demand Forecast (10 year historical and forecast)
- IV. Energy Sales and Purchase
- V. Daily Load Profile and Load Duration Curve
- VI. Existing Contracts & Existing GenCos due diligence report
- VII. Currently approved SAGR for Off-Grid ECs to be passed-on to consumers;
- VIII. DU's Current Supply and Demand
- IX. Distribution Impact Study
- X. Schedule of Power Supply Procurement
- XI. Timeline of the CSP

For inquiries, you may send it at doe.csp@gmail.com or you may contact us through telephone numbers (02) 840-2173 and (02) 479-2900 local 202.

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VIII	Schedule of Power Supply Procurement
IX	Timeline of the CSP

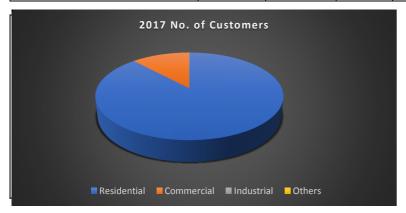
INTRODUCTION

DISTRIBUTION UTILITIES PROFILE

Iligan Light & Power, Inc. (ILPI) is a private corporation, duly organized and existing under and by virtue of the laws of the Republic of the Philippines, with its principal office located at Bro. Jeffrey Road, Pala-o, Iligan City. ILPI is the authorized power distribution utility by virtue of a legislative franchise issued by the Philippine Congress to operate within Iligan City comprising of forty-four (44) barangays. It owns and operates three (3) substations strategically located within its franchise area.



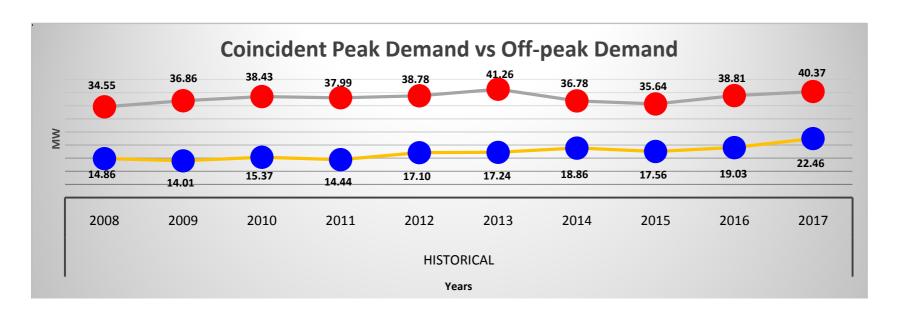
Number of Customer Connections in	ACTUAL					FORECAS	T				
Franchise	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Residential	59,071	62,399	65,524	68,649	71,774	74,899	78,024	81,149	84,274	87,399	90,524
Commercial	7,938	7,998	8,060	8,122	8,184	8,247	8,309	8,371	8,433	8,495	8,557
Industrial	46	48	52	56	61	65	68	72	76	80	84
Others (Flat Rate)	9	9	9	9	9	9	9	9	9	9	9
Contestable Customers served by RES	-	-	-	-	-	-	-	-	-	-	-
Total (Captive Customers)	67,064	70,454	73,645	76,836	80,028	83,220	86,410	89,601	92,792	95,983	99,174



DEMAND

Demand					ніѕто	RICAL				
Demand	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Coincident Peak Demand (MW)	34.55	36.86	38.43	37.99	38.78	41.26	36.78	35.64	38.81	40.37
Off Peak Demand (MW)	14.86	14.01	15.37	14.44	17.10	17.24	18.86	17.56	19.03	22.46

Demand					FORE	CAST				
Demand	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Coincident Peak Demand (MW)	43.13	44.39	45.64	48.51	49.79	51.09	52.40	53.72	55.05	56.40
Off Peak Demand (MW)	23.12	24.23	25.05	27.14	27.52	28.03	28.88	29.66	30.43	31.10



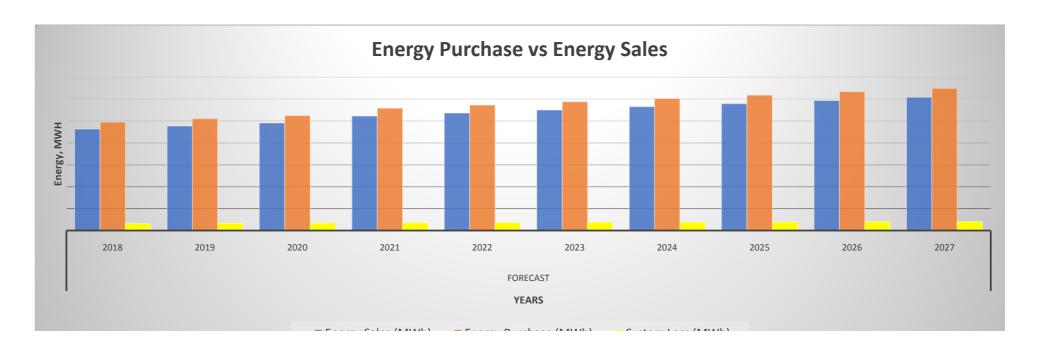


Off-peak demand is the minimum demand (baseload) recorded when the highest system demand occurred.

ENERGY SALES AND PURCHASE

ENERGY SALES AND					HISTOR	ICAL				
PURCHASE	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Sales (MWh)	167,915	183,914	192,565	184,679	196,044	194,140	192,721	202,593	210,779	217,550
Energy Purchase (MWh)	192,510	206,879	216,333	203,518	215,499	211,915	210,081	216,437	225,872	228,385
System Loss (MWh)	24,595	22,965	23,768	18,839	19,455	17,775	17,360	13,844	15,093	10,835

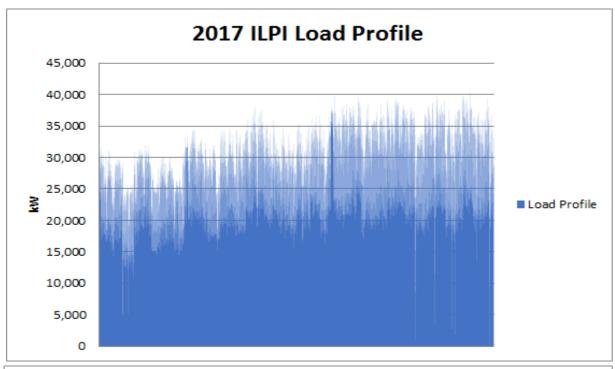
ENERGY SALES AND		FORECAST												
PURCHASE	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027				
Energy Sales (MWh)	231,784	238,528	245,341	261,221	268,170	275,185	282,269	289,421	296,640	303,927				
Energy Purchase (MWh)	247,873	255,087	262,373	278,732	286,163	293,667	301,243	308,891	316,612	324,406				
System Loss (MWh)	16,089	16,559	17,032	17,511	17,993	18,482	18,974	19,470	19,972	20,479				

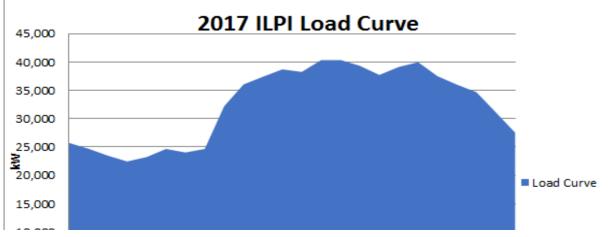


■ Energy Sales (MWh) ■ Energy Purchase (MWh) ■ System Loss (MWh)

Brief highlight/report

LOAD PROFILE AND LOAD DURATION CURVE



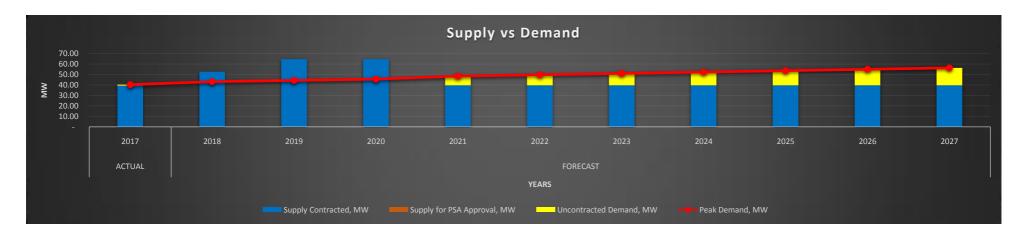




ILPI load curve for 2017 was based on the day when the highest demand was recorded for the year 2017.

MIX SUPPLY VS DEMAND AND THE OPTIMAL SUPPLY

County Domand	ACTUAL					FORE	CAST				
Supply Demand	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Peak Demand, MW	40.37	43.13	44.39	45.64	48.51	49.79	51.09	52.40	53.72	55.05	56.40
Supply Contracted, MW	39.36	52.75	64.75	64.75	39.75	39.75	39.75	39.75	39.75	39.75	39.75
PSALM	11.61	25.00	25.00	25.00	-	-	-	-	-		-
Sarangani Energy Corp. (SEC)	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
PowerSource Phil. Energy, Inc. (PSPEI)	-	-	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Mapalad Energy Generating Corp. (MEGC)	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
Supply for PSA Approval, MW	-	-	-	-	-	-	-	-	-	-	-
Generation Plant Name 1	-	-	-	-	-	-	-	-	-	-	=
Generation Plant Name 2	-	-	-	-	-	-	-	-	-	-	-
Generation Plant Name 3	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Demand, MW	1.01	•	·	=	8.76	10.04	11.34	12.65	13.97	15.30	16.65



List of Existing Contracts and Details

Supply Contracted	Plant Owner/ Operator	Capacity Factor	PSA Effectivity (MM/YR)			Contracted Energy, MWH	Base / Mid- merit / Peaking	Embedded/ Grid Connected	Utility-owned/ NPC/ IPP/ NPC-IPP	Status	Fuel Type	Installed Capacity (MW)	Net Dependable Capacity (MW)	
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PSALM	PSALM		Jan-18	Dec-20	25.00	219,000	Baseload	Grid Connected	NPC	Running	Dominant Hydro		
SEC	SEC	92%	May-16	Apr-41	15.00	10,050	Baseload / Mid- merit	Grid Connected	IPP	Running	Coal	210.00	
PSPEI	PSPEI	92%	Jan-19	Dec-44	12.00	8,040	Baseload / Mid- merit	Embedded	IPP	On-going Construction	Coal	20.00	
MEGC	MEGC	92%	Dec-14	Dec-29	12.75	4,271	Peaking	Embedded	IPP	Running	Bunker	15.00	12.75

Note: PSALM supply contract term will expire on December 2020, which resulted to the supply deficiency starting 2021. However, ILPI will pursue its contract renewal or extension with them beyond 2020.

DISTRIBUTION IMPACT STUDY

All existing power suppliers of ILPI have undergone grid and distribution impact studies, in compliance with the requirements setforth in the Philippine Grid Code and Philippine Distribution Code.

SCHEDULE OF CSP

Base / mid-	For	CSP	Proposed co	ntract period			Proposed so	hedule (MM)	/YYYY)		
merit / peaking	Demand (MW)	Energy (MWh)	Start Month and Year	End Month and Year	Publication of Invitation to Bid	Pre-bid Conference	Submission and Opening of Bids	Bid Evaluation	Awarding	PSA Signing	Joint Application to ERC
		No sch	edule of CSP	yet. Depend	ent on PSALM a	llocation after of	contract extensi	<mark>on / renewa</mark>	l on 2021		

10 Year Monthly Data

Year		Forecast			and For PSA and and Energy	Uncontracted Ene		Committed for CSP		
	Coincident Peak Demand (MW)	Off Peak Demand (MW)	Energy Requirement (MWh)	Demand (MW)	Energy (MWh)	Uncontracted Demand (MW)	Uncontracted Energy (MWh)	Demand (MW)	Energy (MWh)	
2018										
Jan	37.75		19,879.67	52.75	39,246.00	-	-			
Feb	38.45		20,047.19	52.75	39,246.00	-	-			
Mar	37.26		18,728.06	52.75	36,714.00	-	-			
Apr	40.20		20,841.97	52.75	39,246.00	-	-			
May	41.30		20,754.92	52.75	37,980.00	-	-			
Jun	41.10		21,307.74	52.75	39,246.00	-	-			
Jul	39.58		20,417.10	52.75	37,980.00	-	-			
Aug	40.07		21,313.64	52.75	39,246.00	-	-			
Sep	43.13		21,675.19	52.75	39,246.00	-	-			
Oct	40.86		21,110.28	52.75	37,980.00	-	-			
Nov	41.11		21,312.48	52.75	39,246.00	-	-			
Dec	39.08		20,485.06	52.75	37,980.00	-	-			
2019										
Jan	41.00		20,458.22	64.75	48,174.00	-	-			
Feb	42.06		20,630.62	64.75	48,174.00	-	-			
Mar	38.35		19,273.09	64.75	45,066.00	-	-			
Apr	41.37		21,448.53	64.75	48,174.00	-	-			
May	42.50		21,358.94	64.75	46,620.00	-	-			
Jun	42.30		21,927.85	64.75	48,174.00	-	-			
Jul	40.73		21,011.29	64.75	46,620.00	-	-			
Aug	41.23		21,933.92	64.75	48,174.00	-	-			
Sep	44.38		22,305.99	64.75	48,174.00	-	-			
Oct	42.05		21,724.65	64.75	46,620.00	-	-			
Nov	42.31		21,932.73	64.75	48,174.00	-	-			
Dec	40.22		21,081.23	64.75	46,620.00	-	-			
2020										
Jan	42.18		21,042.58	64.75	48,174.00	-	-			
Feb	41.77		21,219.90	64.75	48,174.00	-	-			
Mar	39.44		19,823.60	64.75	45,066.00	-	-			

Apr	42.56	22,061.18	64.75	48,174.00	-	-	
May	43.71	21,969.03	64.75	46,620.00	-	-	
Jun	43.51	22,554.19	64.75	48,174.00	-	-	
Jul	41.89	21,611.45	64.75	46,620.00	-	-	
Aug	42.41	22,560.44	64.75	48,174.00	-	-	
Sep	45.64	22,943.13	64.75	48,174.00	-	-	
Oct	43.25	22,345.18	64.75	46,620.00	-	-	
Nov	43.52	22,559.20	64.75	48,174.00	-	-	
Dec	41.37	21,683.38	64.75	46,620.00	-	-	
2021							
Jan	42.46	22,354.56	39.75	29,574.00	- 2.71	-	
Feb	43.24	22,542.94	39.75	29,574.00	- 3.49	-	
Mar	41.91	21,059.58	39.75	27,666.00	- 2.16	-	
Apr	45.22	23,436.67	39.75	29,574.00	- 5.47	-	
May	46.45	23,338.77	39.75	28,620.00	- 6.70	-	
Jun	46.23	23,960.42	39.75	29,574.00	- 6.48	-	
Jul	44.51	22,958.90	39.75	28,620.00	- 4.76	-	
Aug	45.06	23,967.05	39.75	29,574.00	- 5.31	-	
Sep	48.51	24,373.61	39.75	29,574.00	- 8.76	-	
Oct	45.96	23,738.38	39.75	28,620.00	- 6.21	-	
Nov	46.24	23,965.75	39.75	29,574.00	- 6.49	-	
Dec	43.95	23,035.32	39.75	28,620.00	- 4.20	-	
2022							
Jan	43.58	22,950.55	39.75	29,574.00	- 3.83	-	
Feb	44.39	23,143.95	39.75	29,574.00	- 4.64	-	
Mar	43.02	21,621.04	39.75	27,666.00	- 3.27	1	
Apr	46.42	24,061.50	39.75	29,574.00	- 6.67	-	
May	47.68	23,961.00	39.75	28,620.00	- 7.93	-	
Jun	47.45	24,599.22	39.75	29,574.00	- 7.70	1	
Jul	45.69	23,571.00	39.75	28,620.00	- 5.94	-	
Aug	46.26	24,606.03	39.75	29,574.00	- 6.51	-	
Sep	49.79	25,023.42	39.75	29,574.00	- 10.04	-	
Oct	47.17	24,371.26	39.75	28,620.00	- 7.42	-	
Nov	47.46	24,604.69	39.75	29,574.00	- 7.71	-	
Dec	45.12	23,649.45	39.75	28,620.00	- 5.37	-	
2023							
Jan	44.72	23,552.34	39.75	29,574.00	- 4.97	-	
Feb	45.54	23,750.81	39.75	29,574.00	- 5.79	-	
Mar	44.14	22,187.98	39.75	27,666.00	- 4.39	-	

Apr	47.62	24,692.43	39.75	29,574.00	- 7.87	-	
May	48.92	24,589.29	39.75	28,620.00	- 9.17	-	
Jun	48.69	25,244.25	39.75	29,574.00	- 8.94	-	
Jul	46.88	24,189.06	39.75	28,620.00	- 7.13	-	
Aug	47.46	25,251.23	39.75	29,574.00	- 7.71	-	
Sep	51.09	25,679.57	39.75	29,574.00	- 11.34	-	
Oct	48.40	25,010.31	39.75	28,620.00	- 8.65	-	
Nov	48.70	25,249.86	39.75	29,574.00	- 8.95	-	
Dec	46.29	24,269.57	39.75	28,620.00	- 6.54	-	
2024							
Jan	45.86	24,159.95	39.75	29,574.00	- 6.11	-	
Feb	46.71	24,363.54	39.75	29,574.00	- 6.96	-	
Mar	45.27	22,760.39	39.75	27,666.00	- 5.52	-	
Apr	48.84	25,329.45	39.75	29,574.00	- 9.09	-	
May	50.17	25,223.65	39.75	28,620.00	- 10.42	-	
Jun	49.94	25,895.50	39.75	29,574.00	- 10.19	-	
Jul	48.08	24,813.10	39.75	28,620.00	- 8.33	-	
Aug	48.68	25,902.67	39.75	29,574.00	- 8.93	-	
Sep	52.40	26,342.06	39.75	29,574.00	- 12.65	-	
Oct	49.64	25,655.53	39.75	28,620.00	- 9.89	-	
Nov	49.95	25,901.26	39.75	29,574.00	- 10.20	-	
Dec	47.48	24,895.69	39.75	28,620.00	- 7.73	-	
2025							
Jan	47.02	24,773.37	39.75	29,574.00	- 7.27	-	
Feb	47.89	24,982.13	39.75	29,574.00	- 8.14	-	
Mar	46.41	23,338.28	39.75	27,666.00	- 6.66	-	
Apr	50.07	25,972.56	39.75	29,574.00	- 10.32	-	
May	51.44	25,864.08	39.75	28,620.00	- 11.69	-	
Jun	51.19	26,552.99	39.75	29,574.00	- 11.44	-	
Jul	49.29	25,443.10	39.75	28,620.00	- 9.54	-	
Aug	49.90	26,560.34	39.75	29,574.00	- 10.15	-	
Sep	53.72	27,010.89	39.75	29,574.00	- 13.97	-	
Oct	50.89	26,306.92	39.75	28,620.00	- 11.14	-	
Nov	51.21	26,558.89	39.75	29,574.00	- 11.46	-	
Dec	48.67	25,527.79	39.75	28,620.00	- 8.92	-	
2026							
Jan	48.18	25,392.61	39.75	29,574.00	- 8.43	-	
Feb	49.07	25,606.59	39.75	29,574.00	- 9.32	-	
Mar	47.56	23,921.64	39.75	27,666.00	- 7.81	-	

Apr	51.32	26,621.77	39.75	29,574.00	- 11.57	-	
May	52.71	26,510.58	39.75	28,620.00	- 12.96	-	
Jun	52.46	27,216.71	39.75	29,574.00	- 12.71	-	
Jul	50.52	26,079.08	39.75	28,620.00	- 10.77	-	
Aug	51.14	27,224.24	39.75	29,574.00	- 11.39	-	
Sep	55.05	27,686.05	39.75	29,574.00	- 15.30	-	
Oct	52.16	26,964.49	39.75	28,620.00	- 12.41	-	
Nov	52.48	27,222.76	39.75	29,574.00	- 12.73	-	
Dec	49.88	26,165.88	39.75	28,620.00	- 10.13	-	
2027							
Jan	49.36	26,017.65	39.75	29,574.00	- 9.61	-	
Feb	50.27	26,236.90	39.75	29,574.00	- 10.52	-	
Mar	48.73	24,510.47	39.75	27,666.00	- 8.98	-	
Apr	52.57	27,277.07	39.75	29,574.00	- 12.82	-	
May	54.00	27,163.14	39.75	28,620.00	- 14.25	-	
Jun	53.75	27,886.65	39.75	29,574.00	- 14.00	-	
Jul	51.75	26,721.02	39.75	28,620.00	- 12.00	-	
Aug	52.39	27,894.37	39.75	29,574.00	- 12.64	-	
Sep	56.40	28,367.55	39.75	29,574.00	- 16.65	-	
Oct	53.43	27,628.23	39.75	28,620.00	- 13.68	-	
Nov	53.76	27,892.85	39.75	29,574.00	- 14.01	-	
Dec	51.10	26,809.96	39.75	28,620.00	- 11.35	-	