

CAGAYAN 1 ELECTRIC COOPERATIVE DATA AND INFORMATION

POWER INFRASTRUCTURE AS OF DECEMBER 2023		
Total Substation Capacity (MVA)	MVA	111.25
No. of Distribution Transformers	pcs.	5.473
Total Circuit Length (Subtransmission)	Km.	85.830
Total Circuit Length (Primary Lines)	Km.	2043.660
Total Cirvcuit Length (Secondary Lines)	Km.	1,081.320

FUTURE POWER INFRASTRUCTURE PROJECT (2024-2026 CAPEX)	
NAME OF PROJECT	TARGET COMPLETION
Installation of 69kV Circuit Breaker (CARITAN) for protection at taping Point	2024
Conversion and Extension of Three Phase line at Diversion road Tuguegarao, City	2024
Line Expansion on Sitio Electrification Project	2024
Rehabilitation and Upgrading of Feeder 41 at Rizal, Cagayan	2024
Rehabilitation and Upgrading of Feeder 11 at Penablanca, Cagayan	2024
Installation of 6 units Automatic Voltage Regulator for Caritan Substation	2024
Construction of 1-10MVA Baggao Substation	2024
Replacement of 15MVA to 25MVA Power Transformer at Solana Substation	2025
Replacement of 15MVA to 25MVA Power Transformer at Caritan Substation	2026
Rehabilitation of F12 at Tuguegarao City	2026

STATUS OF ELECTRIFICATION							
As of DECEMBER 2023							
NO.	MUNICIPALITY/CITY	Energized Barangays			Household Connection		
		Potential	Actual to Date	%	Potential	Actual to Date	%
1	ALCALA	25	25	100	10,332	10,207	98.79
2	AMULUNG	47	47	100	12,296	11,813	96.07
3	BAGGAO	48	48	100	22,218	17,345	78.07
4	ENRILE	22	22	100	8,517	9,180	107.78
5	FAIRE	27	27	100	7,418	5,710	76.98
6	IGUIG	23	23	100	7,255	8,290	114.27
7	PENABLANCA	24	24	100	11,988	12,043	100.46
8	PIAT	18	18	100	6,331	6,945	109.71
9	RIZAL	29	29	100	4,637	2,959	63.81
10	SOLANA	38	38	100	22,138	21,364	96.5
11	TUAO	24	24	100	15,289	13,816	90.37
12	TUGUEGARAO	49	49	100	39,194	55,801	142.37
TOTAL		374	374	100	167,611	175,473	104.69

COST OF ELECTRICITY						
For the Year 2023						
NO.	Municipality	Residential	Low Voltage		High Voltage	
			Commercial	Industrial	Commercial	
1	Alcala	12.8757	12.5505	12.9290	-	-
2	Amulung	12.8581	12.6093	13.1800	-	-
3	Enrile	12.9892	12.6303	12.4172	12.8808	-
4	Iguig	13.0032	11.6984	13.2950	11.9247	-
5	Penablanca	12.9439	12.3806	12.9756	13.1487	16.3411
6	Baggao	12.9016	12.4992	13.2014	13.2654	-
7	Piat	12.9804	12.4869	-	-	12.9200
8	Erizal	12.9232	12.6171	-	-	-
9	Solana	12.9410	12.3748	12.1925	13.0242	-
10	Sto. Nino	12.9113	12.4980	-	-	-
11	Tuao	12.9599	12.5593	11.9044	12.2143	-
12	Tuguegarao City	12.9927	12.2806	12.5517	12.0836	15.0644
	Average	12.9400	12.4321	12.7385	12.6488	14.7752