



CARILEC

An Association Of Electric Energy Solution Providers

Caribbean Electric Utility Services Corporation (CARILEC)

Electricity Tariff Report December 2022

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FOREWORD

The CARILEC Secretariat is pleased to present the CARILEC Tariff Survey for December 2022. This survey is conducted at least once per quarter of each year. The type of data collected is reviewed on a periodic basis.

CARILEC Secretariat wishes to express its gratitude to all the Chief Executive Officers/Managing Directors, Commercial and Financial Officers, and all the other relevant personnel of the participating utilities for making time to compile and provide the requisite information despite their busy schedule.

CARILEC will continue to strive to improve on the quality, accuracy and consistency of the content of this report thereby enhancing its value to our members and other stakeholders of the Caribbean electric utility industry. CARILEC members are invited to send feedback and recommendations regarding the survey questions, available or additional data to esa@carilec.org.

We would like to also take this opportunity to encourage member utilities to participate in the survey, and to urge members to respond to the questionnaire in a timely manner to facilitate the timely completion of the report. A consistently high level of participation of members will allow a more representative assessment and presentation of trends and developments of energy sales and energy demand between the different surveys in the future.

Thank you and we look forward to your continued participation in this very meaningful activity.

EXECUTIVE SUMMARY

The Caribbean Electricity Tariff Results for December 2022, published by the CARILEC Secretariat, sets out the disaggregated typical electricity bills in United States Dollars for the main classes of consumers, and other pertinent data for 26 (twenty-six) CARILEC utility members that have participated in the survey.

The typical electricity bills are indicative of the electricity tariffs across the key classes of electricity consumers in the wider Caribbean region. The service classifications (residential, commercial, industrial, and other) of Caribbean electricity consumers are determined by each utility and are based on various criteria such as: the demand levels, distribution voltage levels, rate schedules, accounting methods, end-use applications, and other social and economic characteristics. The tariff structure/components (the number and nature of the charges applicable to customers) for each class of service differ somewhat across island states. For unit amounts, we consider the average values, already applying the applicable exemptions/ reductions for the specific customer group and amount of monthly consumption. Thus, the unit amounts indicated in the tariff survey may differ from those stated on actual customer bills.

With the aim to show trends and developments of energy sales and demand per customer group, the last section of the report includes a comparison of these data with previous survey results.¹ CARILEC would like to mention that tariff results may include direct or indirect subsidization of customer tariffs, where applicable. In addition, relevant technical and operational data is assessed and visualized, such as the use of primary energy sources, installed capacities, system`s peak demand, monthly energy demand and sales, customer composition, number of full-time employees (FTE), RE capacities, remuneration and respective support schemes.

Amid some significant and wide-ranging challenges, Caribbean electric utilities have been exploring and implementing strategies to enable the fulfilment of their responsibility to provide electricity to the Caribbean people in a safe, sustainable, reliable and cost-effective manner.

¹ Only for available utility data.

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Table 1: December 2022 - Tariff survey participants and resources used for power generation (incl. IPP and DER²)

Utility	Short Name	Country/ Island	Resources for Power Generation											
			Solar Energy	Wind Energy	Hydro power	Biomass/ Biogas	Geothermal Power	Diesel	Heavy Fuel Oil	Light Fuel Oil	Natural Gas (CNG)	Natural Gas (LNG)	Other (please specify)	
Anguilla Electricity Company Ltd	ANGLEC	Anguilla							√					
Antigua Public Utility Authority	APUA	Antigua	√							√				
Aqualectra	Aqualectra NV	Curacao	√	√					√					
Belize Electricity Limited	BEL	Belize	√		√	√			√	√	√			√ ³
Bermuda Electricity Light Company	BELCO	Bermuda	√						√	√	√			√ ⁴
Barbados Light and Power Company	BLPC	Barbados	√						√	√				√ ⁵
Bahamas Power & Light	BPL	Bahamas	√						√	√	√			
BVI Electricity Corporation	BVIEC	British Virgin Islands	√						√					
Caribbean Utilities Company Limited	CUC	Grand Cayman	√	√					√					
Dominica Electricity Services Limited	DOMLEC	Dominica	√		√				√					
Fortis TCI Limited	FortisTCI	Turks and Caicos Island	√						√					
Grand Bahama Power Company	GBPC	Grand Bahama							√	√	√			
Guyana Power and Light Incorporated	GPL	Guyana	√							√				
Grenada Electricity Services Limited	GRENELEC	Grenada	√						√					
Jamaica Public Service Company Ltd	JPS	Jamaica	√	√	√				√	√			√	
St. Lucia Electricity Services Limited	LUCELEC	St. Lucia	√						√					
Luma Energy	LUMA Energy	Puerto Rico	√	√	√	√			√	√	√		√	√ ⁶
Nevis Electricity Company Limited	NEVLEC	Nevis									√			
N.V. Energiebedrijven Suriname	NV EBS	Suriname	√		√				√	√				
N.V. GEBE	NV GEBE	Sint Maarten								√	√			
Roatan Electric Company S.A. DE C.V	ROATAN	Roatan, Honduras	√	√										√ ⁷
Saba Electric Company N.V.	SABA EC	Saba	√						√					
St. Kitts Electricity Limited	SKELEC	St. Kitts							√					
Statia Utility Company N.V.	STUCO	St. Eustatius	√						√					
Trinidad & Tobago Electricity Commission	T&TEC	Trinidad & Tobago											√	
St. Vincent Electricity Services Limited	VINLEC	St Vincent & the Grenadines	√		√				√					

² Independent Power Producers and (small-scale) Distributed Renewable Energy Sources, such as rooftop solar PV)

³ Majority of energy is imported (generated from mixed sources) or purchased from local IPPs which uses mainly RE sources with one IPP using fossil fuel.

⁴ Waste-to-energy

⁵ AV jet fuel

⁶ Coal

⁷ LPG – Main source

Tariff Components and Monthly Bills

Table 2: Residential Customers using 100 kWh per month

Name of Utility	Residential Customer using 100 kWh per month						
	Base Rate	Levies and Taxes	Fixed charges	Type of Fixed Charge	Fuel Surcharge	Total Monthly Bill	Average Unit Price
	US\$ Cents per kWh	US\$ Cents per kWh	US\$		US\$ Cents per kWh	US\$	US\$ per kWh
ANGLEC	23.00	0.00	1.86	Meter rental	26.00	50.86	0.509
APUA	14.72	0.00	0.00	-	18.40	33.12	0.331
Aqualectra NV	15.96	0.00	0.00	-	22.82	38.78	0.388
BEL	17.75	0.00	0.00	-	0.00	17.75	0.178
BELCO	13.33	5.03	21.33	Facilities charge	12.48	52.17	0.522
BLPC	6.85	5.44	3.50	Customer charge	20.73	36.52	0.365
BPL	10.95	0.00	0.00	-	14.50	25.45	0.255
BVIEC	23.40	0.00	2.50	Service charge	17.75	43.65	0.436
CUC	14.11	1.62	6.93	Fixed service charge	22.19	44.85	0.449
DOMLEC	23.00	0.00	0.00	-	17.00	40.00	0.400
Fortis TCI	26.10	0.00	0.00	-	25.95	52.05	0.521
GBPC	17.56	3.04 ⁸	1.30	Storm recovery charge	11.50	33.40	0.334
GPL	21.00	0.00	1.67	Demand charge	0.00	22.67	0.227
GRENLEC	15.03	0.00	0.00	-	28.59	43.62	0.436
JPS	5.00	0.00	11.72	IPP charge + Customer charge ⁹	20.00	36.72	0.367
LUCELEC	27.00	0.00	0.00	-	9.80	36.80	0.368
LUMA Energy	4.94	5.47 ¹⁰	4.00	Customer charge	19.45	33.86	0.339
NEVLEC	18.40	0.00	2.67	Standing charge	0.00	21.07	0.211
NV EBS	2.00	0.00	0.00	-	0.00	2.00	0.020
NV GEBE	13.00	0.00	0.00	-	0.00 ¹¹	13.00	0.130
ROATAN	32.00	0.00	0.00	-	0.00	32.00	0.320
SABA EC	45.02	0.00	0.00	-	0.00	45.02	0.450
SKELEC	22.82	0.00	-6.63	Subsidy credit + customer charge ¹²	0.00	16.19	0.162
STUCO	44.10	0.00	17.51	Distribution charge	0.00	61.61	0.616
T&TEC	3.83	0.53	0.44	Customer charge	0.00	4.81	0.048
VINLEC	18.45	0.00	0.00	-	19.38	37.83	0.378

⁸ 10% VAT on base rate, storm recovery charge and fuel surcharge

⁹ IPP Variable Charges = 0.08 US\$ /kWh, Customer Charge = 3.72 US\$/month

¹⁰ Purchased Power Surcharge and Subsidies Riders

¹¹ Res100 Customers are exempted from fuel surcharge/clause (0.19 USD\$ per kWh)

¹² Subsidy credit: 50% discount of base rate under 200kwh or less

Table 3: Residential customers using 400 kWh per month

Name of Utility	Residential Customer using 400 kWh per month						
	Base Rate	Levies and Taxes	Fixed charges	Type of Fixed Charge	Fuel Surcharge	Total Monthly Bill	Average Unit Price
	US\$ Cents per kWh	US\$ Cents per kWh	US\$		US\$ Cents per kWh	US\$	US\$ per kWh
ANGLEC	23.00	2.99	1.86	Meter rental	26.00	209.82	0.525
APUA	14.54	0.00	0.00	-	18.40	131.76	0.329
Aqualectra NV	18.45	0.00	0.00	-	22.82	165.10	0.413
BEL	19.94	2.49	0.00	-	0.00	89.72	0.224
BELCO	16.81	5.03	32.00	Facilities charge	12.48	169.26	0.423
BLPC	8.06	5.30	6.00	Customer charge	20.73	142.36	0.356
BPL	11.45	0.00	0.00	-	14.50	103.80	0.260
BVIEC	22.73	0.00	2.50	Service charge	17.75	164.39	0.411
CUC	14.11	1.62	6.93	Service charge	17.64	140.41	0.351
DOMLEC	24.00	2.00	0.00	-	17.00	172.00	0.430
Fortis TCI	27.60	0.00	0.00	-	25.95	214.20	0.536
GBPC	22.87	3.57 ¹³	1.30	Storm recovery charge	11.50	153.05	0.383
GPL	21.00	0.00	1.67	Demand charge	0.00	85.67	0.214
GRENLEC	15.03	0.00	0.00	-	28.59	174.44	0.436
JPS	12.00	6.00	35.72	IPP charge + Customer charge ¹⁴	20.00	187.72	0.469
LUCELEC	28.10	0.00	0.00	-	9.80	151.60	0.379
LUMA Energy	4.94	5.46 ¹⁵	4.00	Customer charge	19.45	123.42	0.309
NEVLEC	18.00	0.00	6.66	Standing charge	0.00	78.66	0.197
NV EBS	3.00	0.00	0.00	-	0.00	12.00	0.030
NV GEBE	13.00	0.00	0.00	-	19.00	128.00	0.320
ROATAN	38.60	0.00	0.00	-	0.00	154.40	0.386
SABA EC	45.02	0.00	0.00	-	0.00	180.08	0.450
SKELEC	24.34	0.00	4.78	Standing charge	0.00	102.13	0.255
STUCO	44.10	0.00	42.13	Distribution charge	0.00	218.51	0.546
T&TEC	4.28	0.55	0.44	Customer charge	0.00	19.74	0.049
VINLEC	18.45	1.85	0.00	-	19.38	158.69	0.397

¹³ 10% VAT on base rate, storm recovery charge and fuel surcharge

¹⁴ IPP Variable Charges = 0.08 US\$ /kWh, Customer Charge = 3.72 US\$/month

¹⁵ Purchased Power Surcharge and Subsidies Riders

Table 4: Residential customers using 800 kWh per month

Name of Utility	Residential Customer using 800 kWh per month						
	Base Rate	Levies and Taxes	Fixed charges	Type of Fixed Charge	Fuel Surcharge	Total Monthly Bill	Average Unit Price
	US\$ Cents per kWh	US\$ Cents per kWh	US\$		US\$ Cents per kWh	US\$	US\$ per kWh
ANGLEC	23.00	2.99	1.86	Meter rental	26.00	417.78	0.522
APUA	14.26	0.00	0.00	-	18.40	261.28	0.327
Aqualectra NV	21.34	0.00	0.00	-	22.82	353.30	0.442
BEL	20.72	2.59	0.00	-	0.00	186.48	0.233
BELCO	21.05	5.03	66.66	Facilities charge	12.48	375.09	0.469
BLPC	8.90	5.37	8.50	Customer charge	20.73	288.51	0.361
BPL	11.70	0.00	0.00	-	14.50	209.60	0.262
BVIEC	22.61	0.00	2.50	Service charge	17.75	325.39	0.407
CUC	14.11	1.62	6.93	Service charge	17.64	273.89	0.342
DOMLEC	24.00	3.00	0.00	-	17.00	352.00	0.440
Fortis TCI	27.60	0.00	0.00	-	25.95	428.40	0.536
GBPC	27.31	4.01 ¹⁶	1.30	Storm recovery charge	11.50	343.87	0.430
GPL	21.00	0.00	1.67	Demand charge	0.00	169.67	0.212
GRENLEC	15.03	0.85	3.70	Environmental levy	28.59	359.36	0.449
JPS	13.00	17.00	67.72	IPP charge + Customer charge ¹⁷	20.00	467.72	0.585
LUCELEC	28.55	0.00	0.00	-	9.80	306.80	0.384
LUMA Energy	5.23	5.46 ¹⁸	4.00	Customer charge	19.45	245.17	0.306
NEVLEC	17.60	0.00	6.66	Standing charge	0.00	147.46	0.184
NV EBS	4.00	0.00	0.00	-	0.00	32.00	0.040
NV GEBE	13.00	0.00	0.00	-	19.00	256.00	0.320
ROATAN	39.99	0.00	0.00	-	0.00	319.92	0.400
SABA EC	45.02	0.00	0.00	-	0.00	360.16	0.450
SKELEC	24.68	0.00	27.60	Standing charge	0.00	225.07	0.281
STUCO	44.10	0.00	60.19	Distribution charge	0.00	412.95	0.516
T&TEC	4.78	0.60	0.44	Customer charge	0.00	43.47	0.054
VINLEC	18.45	2.40	0.00	-	19.38	321.82	0.402

¹⁶ 10% VAT on base rate, storm recovery charge and fuel surcharge

¹⁷ IPP Variable Charges = 0.08 US\$/kWh, Customer Charge = 3.72 US\$/month

¹⁸ Purchased Power Surcharge and Subsidies Riders

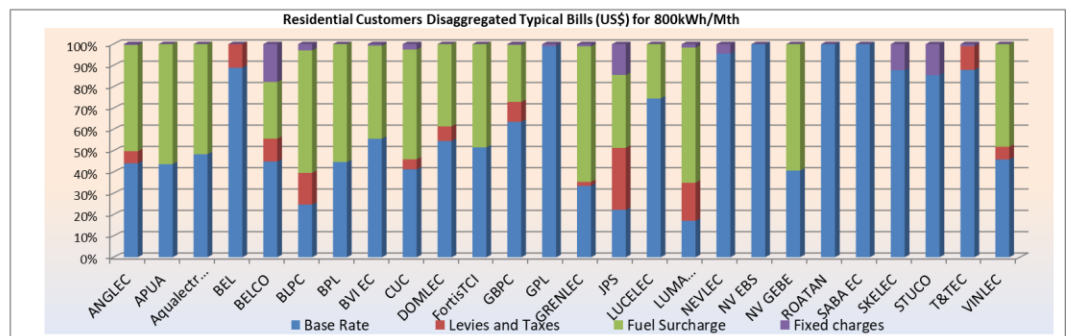
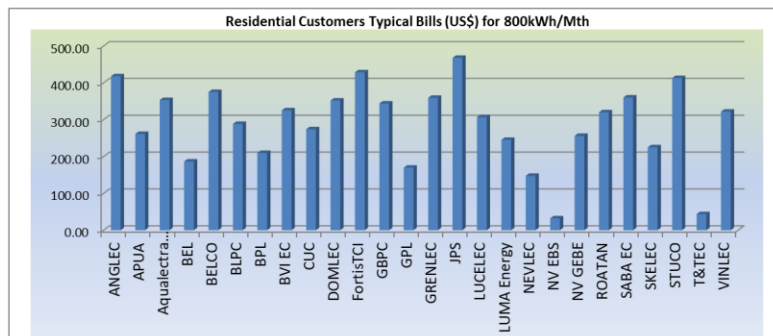
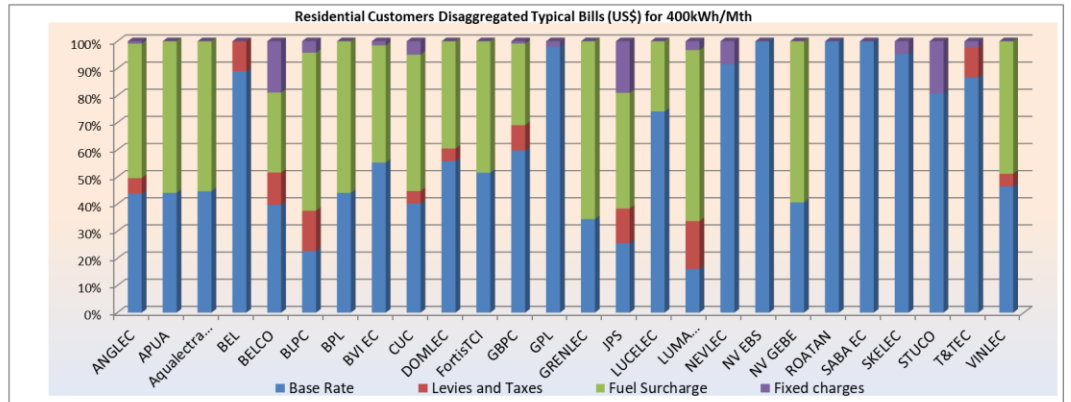
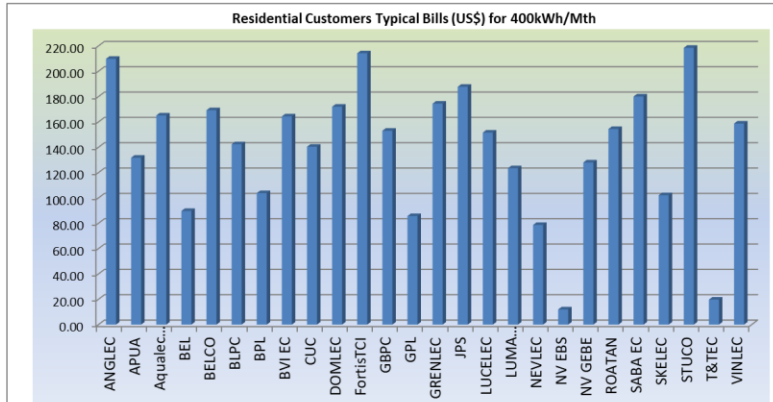
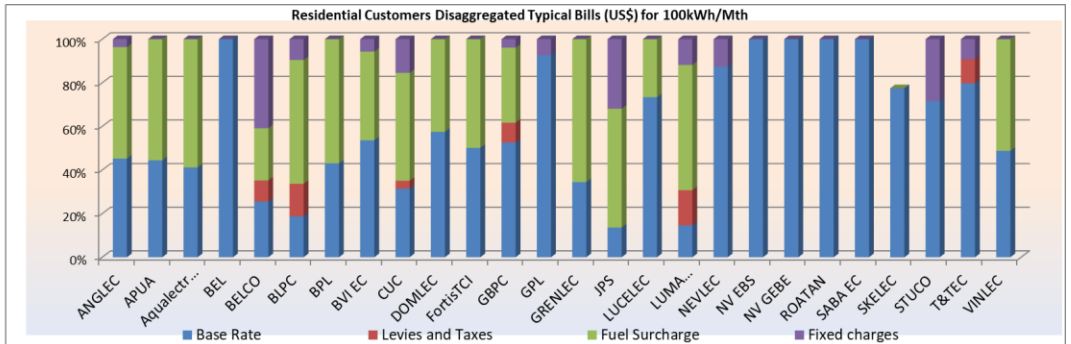
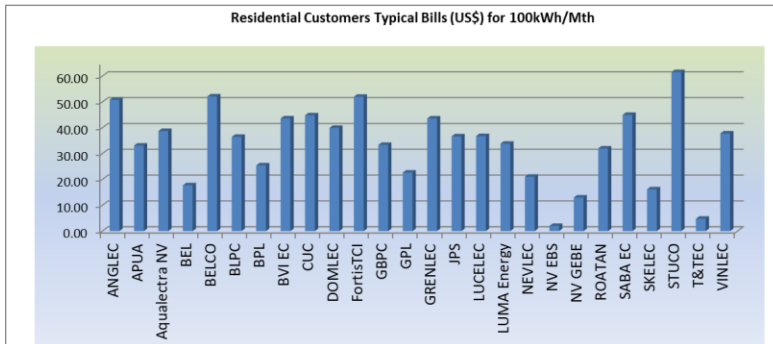


Figure 1: Residential Customers – Typical Bills and Disaggregated Typical Bills for 100, 400 and 800 kWh/month

Table 5: Commercial Customers using 2,000 kWh per month

Name of Utility	Commercial Customer using 2000 kWh per month						
	Base Rate	Levies and Taxes	Fixed charges	Type of Fixed Charge	Fuel Surcharge	Total Monthly Bill	Average Unit Price
	US\$ Cents per kWh	US\$ Cents per kWh	US\$		US\$ Cents per kWh	US\$	US\$ per kWh
ANGLEC	23.00	2.99	1.86	Meter rental	26.00	1,041.66	0.521
APUA	15.55	0.00	14.72	Demand charge	18.40	693.72	0.347
Aqualectra NV	21.98	0.00	0.00	-	22.82	896.00	0.448
BEL	21.19	2.65	0.00	-	0.00	476.80	0.238
BELCO	25.65	5.03	45.32	Facilities charge	12.48	908.50	0.454
BLPC	6.90	5.82	113.00	Demand Charge + Customer Charge ¹⁹	20.73	782.08	0.391
BPL	15.00	3.23	0.00	-	19.10	746.52	0.373
BVIEC	22.55	0.00	2.50	Service charge	17.75	808.37	0.404
CUC	15.73	1.93	38.26	Service charge	22.19	835.26	0.418
DOMLEC	26.00	4.00	8.00	Demand charge	17.00	948.00	0.474
Fortis TCI	29.38	0.00	0.00	-	25.95	1,106.56	0.553
GBPC	20.20	3.25 ²⁰	0.80	Storm recovery charge	11.50	699.80	0.350
GPL	29.00	0.00	11.75	Demand charge	0.00	591.75	0.296
GRENLEC	16.20	2.43	*	Floor area charge ²¹	28.59	944.39	0.472
JPS	6.00	6.00	247.92	IPP charge + Customer charge ²²	20.00	887.92	0.444
LUCELEC	33.00	0.00	0.00	-	9.80	856.00	0.428
LUMA Energy	8.45	5.46 ²³	5.00	Customer charge	19.45	672.21	0.336
NEVLEC	16.50	0.00	24.44	Standing charge	0.00	354.44	0.177
NV EBS	4.00	0.00	0.00	-	0.00	80.00	0.040
NV GEBE	13.00	0.00	0.00	-	19.00	640.00	0.320
ROATAN	42.00	0.00	0.00	-	0.00	840.00	0.420
SABA EC	45.02	0.00	0.00	-	0.00	900.40	0.450
SKELEC	26.18	0.00	27.60	Standing charge	0.00	551.17	0.276
STUCO	44.10	0.00	75.84	Distribution charge	0.00	957.74	0.479
T&TEC	6.12	0.78	1.84	Customer charge	0.00	139.79	0.070
VINLEC	19.93	3.19	0.00	-	19.38	849.88	0.425

¹⁹ Demand charge = 0.03 US\$ per kWh, Customer charge = 10.00 US\$ per month

²⁰ 10% VAT on base rate, storm recovery charge and fuel surcharge

²¹ Floor area charge: 0.007 US\$ per 50 sq ft of floor area, per month

²² IPP Variable Energy Charges = 0.12 US\$/kWh, Customer Charge = 7.92 US\$/month

²³ Purchased Power Surcharge and Subsidies Riders

Table 6: Commercial customers using 5,000 kWh per month

Name of Utility	Commercial Customer using 5000 kWh per month						
	Base Rate	Levies and Taxes	Fixed charges	Type of Fixed Charge	Fuel Surcharge	Total Monthly Bill	Average Unit Price
	US\$ Cents per kWh	US\$ Cents per kWh	US\$		US\$ Cents per kWh	US\$	US\$ per kWh
ANGLEC	23.00	2.99	1.86	Meter rental	26.00	2,601.36	0.520
APUA	15.24	0.00	29.45	Demand charge	18.40	1,711.45	0.342
Aqualectra NV	21.98	0.00	0.00	-	22.82	2,240.00	0.448
BEL	20.50	2.75	75.00	Service charge	0.00	1,237.50	0.247
BELCO	26.76	5.03	45.32	Facilities charge	12.48	2,258.57	0.452
BLPC	6.90	5.46	179.00	Demand Charge + Customer Charge ²⁴	20.73	1,833.59	0.367
BPL	15.00	3.34	0.00	-	19.10	1,871.82	0.374
BVIEC	22.52	0.00	2.50	Service charge	17.75	2,015.82	0.403
CUC	15.73	2.11	38.26	Service charge	22.19	2,039.76	0.408
DOMLEC	26.00	4.00	15.00	Demand charge	17.00	2,365.00	0.473
Fortis TCI	29.38	0.00	0.00	-	25.95	2,766.39	0.553
GBPC	20.20	3.25 ²⁵	0.80	Storm recovery charge	11.50	1,748.30	0.350
GPL	29.00	0.00	11.75	Demand charge	0.00	1,461.75	0.292
GRENLEC	16.20	2.43	*	Floor area charge ²⁶	28.59	2,361.00	0.472
JPS	6.00	6.00	607.92	IPP charge + Customer charge ²⁷	20.00	2,207.92	0.442
LUCELEC	33.00	0.00	0.00	-	9.80	2,140.00	0.428
LUMA Energy	8.45	5.46 ²⁸	5.00	Customer charge	19.45	1,673.04	0.335
NEVLEC	16.40	0.00	49.44	Standing charge	0.00	869.44	0.174
NV EBS	5.00	0.00	0.00	-	0.00	250.00	0.050
NV GEBE	13.00	0.00	0.00	-	19.00	1600.00	0.320
ROATAN	42.00	0.00	0.00	-	0.00	2,100.00	0.420
SABA EC	45.02	0.00	0.00	-	0.00	2,251.00	0.450
SKELEC	25.73	0.00	55.21	Standing charge	0.00	1,341.60	0.268
STUCO	44.10	0.00	103.96	Distribution charge	0.00	2,308.71	0.462
T&TEC	6.12	0.77	1.84	Customer charge	0.00	346.38	0.069
VINLEC	19.93	3.19	0.00	-	19.38	2,124.65	0.425

²⁴ Demand charge = 0.03 US\$ per kWh, Customer charge = 10.00 US\$ per month

²⁵ 10% VAT on base rate, storm recovery charge and fuel surcharge

²⁶ Floor area charge: 0.007 US\$ per 50 sq ft of floor area, per month

²⁷ IPP Variable Energy Charges = 0.12 US\$/kWh, Customer Charge = 7.92 US\$/month

²⁸ Purchased Power Surcharge and Subsidies Riders

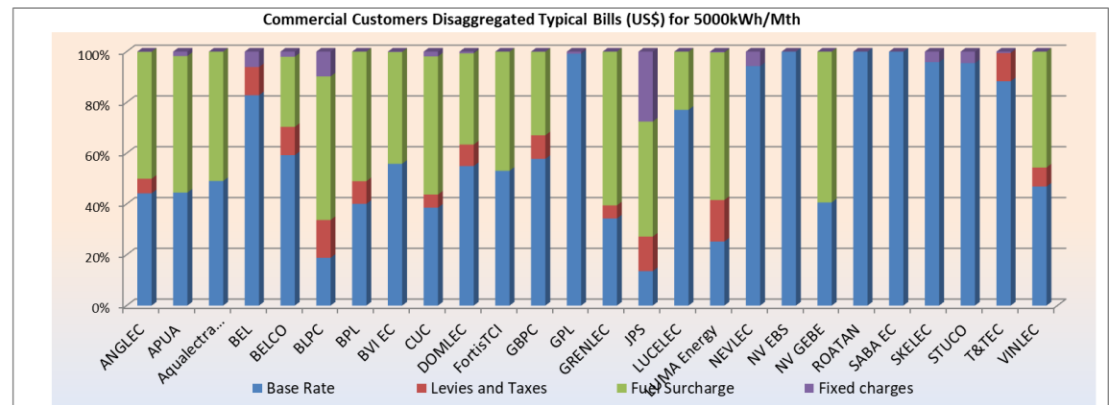
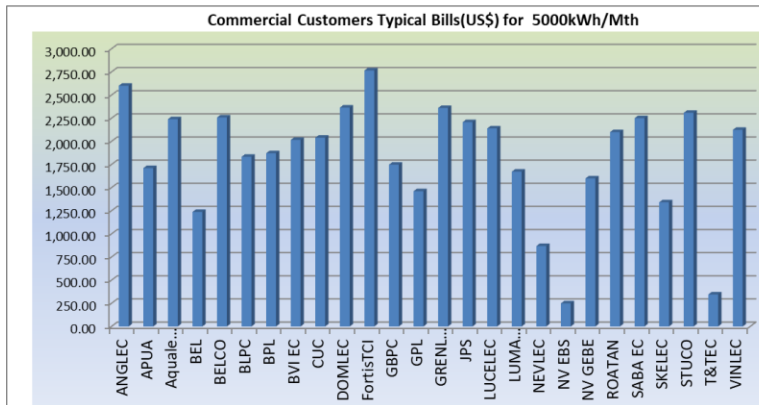
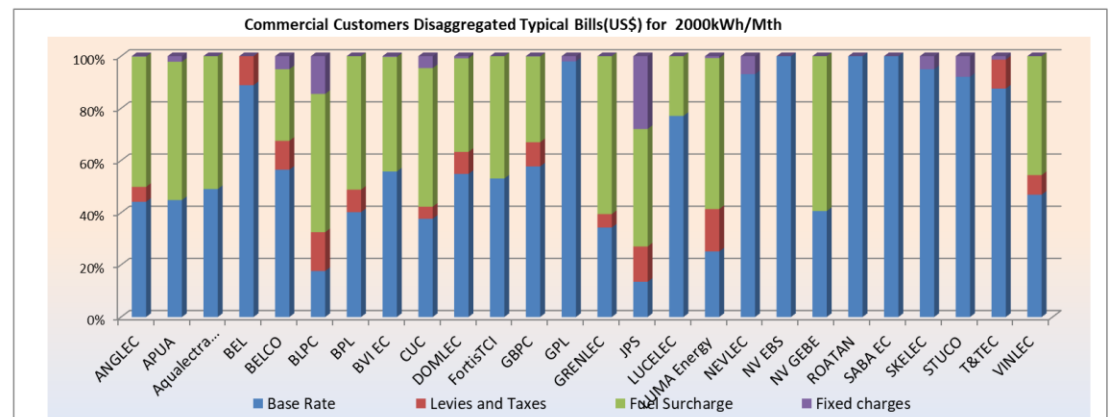
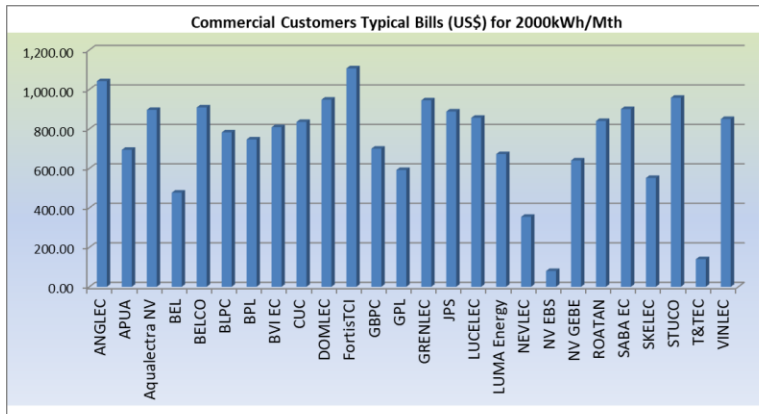


Figure 2: Commercial Customers – Typical Bills and Disaggregated Typical Bills for 2,000 kWh/ month (5 kVA) and 5,000 kWh/month (10 kVA)

Table 7: Industrial Customers using 10,000 kWh per month

Name of Utility	Industrial Customer using 10,000 kWh per month						
	Base Rate	Levies and Taxes	Fixed charges	Type of Fixed Charge	Fuel Surcharge	Total Monthly Bill	Average Unit Price
	US\$ Cents per kWh	US\$ Cents per kWh	US\$		US\$ Cents per kWh	US\$	US\$ per kWh
ANGLEC	23.00	2.99	1.86	Meter rental	26.00	5,200.86	0.520
APUA	15.79	0.00	88.34	Demand charge	18.40	3,507.34	0.351
Aqualectra NV	16.41 ²⁹	0.00	363.00	Demand charge	22.82	4,285.50	0.429
BEL	20.50	2.66	75.00	Service charge	0.00	2,391.01	0.239
BELCO	34.69	5.03	111.99	Facilities charge	12.48	5,331.89	0.533
BLPC	5.85	6.20	886.75	Demand Charge + Customer Charge ³⁰	20.73	4,165.08	0.417
BPL	15.00	2.42	0.00	-	19.10	3,651.82	0.365
BVIEC	22.51	0.00	2.50	Service charge	17.75	4,028.23	0.403
CUC	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DOMLEC	23.00	3.00	50.00	Demand charge	17.00	4,350.00	0.435
Fortis TCI	15.00	0.00	0.00	-	25.95	4,095.00	0.410
GBPC	17.30	2.98 ³¹	1.00	Storm recovery charge	11.50	3,179.00	0.318
GPL	29.00	0.00	11.75	Demand charge	0.00	2,911.75	0.291
GRENEC	11.88	1.79	*	Horsepower charge ³²	28.59	4,225.35	0.423
JPS	3.00	5.00	994.76	Demand + IPP Fixed + IPP variable + Customer ³³	20.00	3,794.76	0.379
LUCELEC	33.00	-0.20	0.00	Rebate ³⁴	9.80	4,260.00	0.426
LUMA Energy	8.45	5.46 ³⁵	5.00	Customer charge	19.45	3,341.07	0.334
NEVLEC	16.30	0.00	148.50	Standing charge	0.00	1,778.50	0.178
NV EBS	4.00	0.00	0.00	-	0.00	400.00	0.040
NV GEBE	13.00	0.00	0.00	-	19.00	3,200.00	0.320
ROATAN	35.76	0.00	0.00	-	0.00	3,576.00	0.358
SABA EC	45.02	0.00	0.00	-	0.00	4,502.00	0.450
SKELEC	26.13	0.00	162.51	Standing charge	0.00	2,775.36	0.278
STUCO	44.10	0.00	166.34	Distribution charge	0.00	4,575.84	0.458
T&TEC	2.94	0.64	221.24	Demand charge	0.00	579.58	0.058
VINLEC	15.50	2.48	0.00	-	19.38	3,735.64	0.374

²⁹ Base rate: high = 0.1651 US\$/kWh from 6:00 to 22:00 hrs, low = 0.1620 US\$/kWh from 22:00 to 6:00 hrs

³⁰ Demand charge = 0.033 US\$ per kWh, Customer charge = US\$150.00

³¹ 10% VAT on base rate, storm recovery charge and fuel surcharge

³² Horsepower Charge (0.74 US\$ per HP)

³³ IPP Variable Charges = 0.02US\$/kWh, Demand and IPP Fixed Charges = 24.53 US\$/kVA, Customer Charge = 58.9 US\$/month

³⁴ Rebate here under "Levies and Taxes": 0.002 US\$/kWh

³⁵ Purchased Power Surcharge and Subsidies Riders

Table 8: Industrial customers using 100,000 kWh per month

Name of Utility	Industrial Customer using 100,000 kWh per month						
	Base Rate	Levies and Taxes	Fixed charges	Type of Fixed Charge	Fuel Surcharge	Total Monthly Bill	Average Unit Price
	US\$ Cents per kWh	US\$ Cents per kWh	US\$		US\$ Cents per kWh	US\$	US\$ per kWh
ANGLEC	23.00	2.99	1.86	Meter rental	26.00	51,991.86	0.520
APUA	15.71	0.00	809.75	Demand charge	18.40	34,919.75	0.349
Aqualectra NV	16.41 ³⁶	0.00	380.20	Demand charge	22.82	39,610.20	0.396
BEL	13.00	2.04	3,285.00	Demand + Service charge	0.00	18,325.00	0.183
BELCO	26.45	5.03	111.99	Facilities charge	12.48	44,074.99	0.441
BLPC	5.85	5.40	4,271.75	Demand charge + Customer charge ³⁷	20.73	36,250.81	0.363
BPL	8.70	3.09	3,124.00	Demand charge	19.10	34,012.72	0.340
BVIEC	19.88	0.00	2.50	Service charge	17.75	37,626.70	0.376
CUC	4.76	2.22	200.63	Service charge	22.19	29,370.63	0.294
DOMLEC	23.00	3.00	400.00	Demand charge	17.00	43,400.00	0.434
Fortis TCI	21.00	0.00	0.00	-	25.95	46,950.00	0.470
GBPC	17.30	2.98 ³⁸	1.00	Storm recovery charge	11.50	31,781.00	0.318
GPL	23.00	0.00	2,305.04	Demand charge	0.00	25,305.04	0.253
GRENLEC	11.88	1.78	*	Horsepower charge ³⁹	28.59	42,245.95	0.422
JPS	3.00	5.00	8,804.26	Demand + IPP Fixed + IPP variable + Customer ⁴⁰	20.00	36,804.26	0.368
LUCELEC	33.00	-0.20	0.00	Rebate ⁴¹	9.80	42,600.00	0.426
LUMA Energy	5.65	5.46 ⁴²	450.00	Customer charge	19.45	31,011.70	0.310
NEVLEC	16.30	0.00	1,977.50	Standing charge	0.00	18,277.50	0.183
NV EBS	4.00	0.00	0.00	-	0.00	4,000.00	0.040
NV GEBE	13.00	0.00	0.00	-	19.00	32,000.00	0.320
ROATAN	35.76	0.00	0.00	-	0.00	35,760.00	0.358
SABA EC	45.02	0.00	0.00	-	0.00	45,020.00	0.450
SKELEC	26.40	0.00	1,518.17	Standing charge	0.00	27,922.34	0.279
STUCO	44.10	0.00	1,507.00	Distribution charge	0.00	45,602.00	0.456
T&TEC	2.94	0.62	2,028.02	Demand charge	0.00	5,588.42	0.056
VINLEC	15.50	2.48	0.00	-	19.38	37,356.35	0.374

³⁶ Base rate: high = 0.1651 US\$/kWh from 6:00 to 22:00 hrs, low = 0.1620 US\$/kWh from 22:00 to 6:00 hrs

³⁷ Demand charge = 0.033 US\$ per kWh, Customer charge = US\$150.00

³⁸ 10% VAT on base rate, storm recovery charge and fuel surcharge

³⁹ Horsepower Charge (0.74 US\$ per HP)

⁴⁰ IPP Variable Charges = 0.02US\$/kWh, Demand and IPP Fixed Charges = 24.53 US\$/kVA, Customer Charge = 58.9 US\$/month

⁴¹ Rebate here under "Levies and Taxes": 0.002 US\$/kWh

⁴² Purchased Power Surcharge and Subsidies Riders

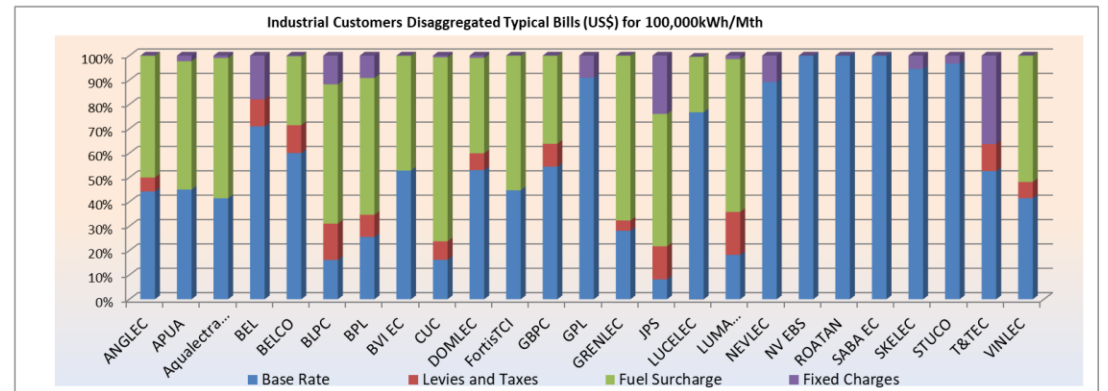
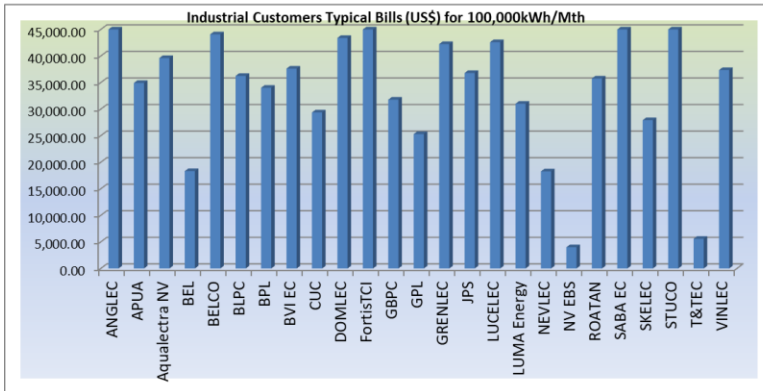
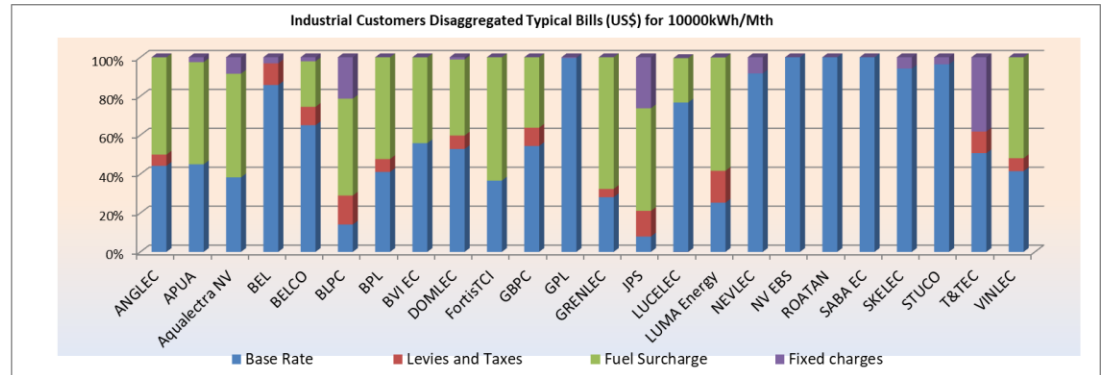
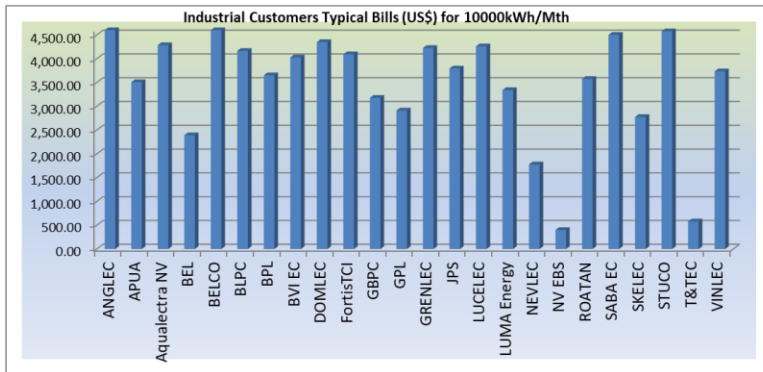


Figure 3: Industrial Customers – Typical Bills and Disaggregated Typical Bills for 10,000 kWh/ month (30 kVA) and 100,000 kWh/month (275 kVA)

Table 9: Monthly Energy Sales and Energy Demand per customer class, for December 2022

Energy Sales (US\$/month)						Energy Demand (MWh/month)				
Utility	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total
ANGLEC	802,000.00	2,798,800.00	14,000.00	126,365.00	3,741,165.00	425.77	1,879.32	0.00	200.67	2,505.76
APUA	2,746,991.00	5,296,852.68	156,505.64	117,000.00	8,317,349.32	8,337.69	16,491.20	450.72	260.00	25,539.61
Aqualectra NV	11,862,000.00	5,804,000.00	6,245,000.00	676,000.00	24,587,000.00	22,571.00	11,560.00	15,790.00	1,682.00	51,603.00
BEL	3,580,027.64	5,266,552.85	551,997.17	458,962.23	9,857,539.89	18,544.87	25,474.56	3,202.80	2,039.83	49,262.06
BELCO	8,017,601.00	2,809,066.00	6,289,142.00	86,719.00	17,202,528.00	17,285.00	5,844.00	15,038.00	231.00	38,398.00
BLPC	3,053,000.00	3,921,000.00	1,682,500.00	118,000.00	8,774,500.00	28,365.00	29,904.00	17,601.00	379.00	76,249.00
BPL	16,049,515.00	6,419,166.00	16,745,181.00	0.00	39,213,862.00	56,875.00	19,750.00	55,970.00	0.00	132,595.00
BVIEC	1,713,020.24	4,056,667.34	170,107.11	36,120.35	5,975,915.04	3,992.17	9,950.25	441.35	77.07	14,460.84
CUC	10,272,565.61	5,029,899.58	5,132,626.80	174,394.08	20,609,486.07	29,654.76	12,072.03	13,587.94	544.41	55,859.14
DOMLEC	806,868.35	814,697.93	58,179.24	113,514.31	1,793,259.83	3,507.00	3,096.00	240.00	460.00	7,303.00
Fortis TCI	2,275,692.00	353,213.00	242,510.00	138,553.00	3,009,968.00	8,261.00	12,962.00	1,161.00	383.00	22,767.00
GBPC	1,884,796.00	2,056,888.00	2,041,917.00	280,209.00	6,263,810.00	6,117.00	5,934.00	7,204.00	356.00	19,611.00
GPL	7,569,296.13	2,891,452.58	5,612,326.70	338,633.26	16,411,708.67	36,096.88	10,527.61	23,723.62	1,581.06	71,929.16
GRENLEC	3,233,290.00	5,167,246.00	223,411.00	130,226.00	8,754,173.00	7,412.00	10,590.00	611.00	303.00	18,916.00
JPS	35,294,789.00	41,476,771.00	16,357,819.00	1,447,987.00	94,577,366.00	87,378.00	117,214.00	57,459.00	3,415.00	265,466.00
LUCELEC	4,079,971.80	7,228,140.91	780,852.00	348,712.58	12,437,677.29	10,836.00	17,326.00	1,876.00	827.00	30,865.00
LUMA Energy	130,232,926.86	164,140,310.80	37,977,532.81	11,186,682.44	343,537,452.91	505,586.87	606,355.34	143,539.89	30,142.87	1,285,624.97
NEVLEC	335,556.62	1,153,457.31	0.00	107,897.26	1,596,911.19	1,716.51	3,844.40	0.00	250.26	5,811.17
NV EBS	1,925,894.61	762,768.57	1,819,906.34	125,156.59	4,633,726.11	55,457.47	15,391.39	39,579.81	2,138.86	112,567.53
NV GEBE	N/A									
ROATAN	1,593,288.00	518,112.00	829,032.00	92,949.00	3,033,381.00	4,500.00	1,300.00	2,500.00	500.00	8,800.00
SABA EC	126,622.17	167,448.65	N/A	N/A	294,070.82	281.00	371.00	N/A	N/A	652.00
SKELEC	1,354,275.43	1,836,811.32	N/A	72,880.48	3,263,967.23	5,354.26	6,391.25	N/A	N/A	11,745.50
STUCO	359,000.00	294,000.00	N/A	8,300.00	661,300.00	670.00	543.00	N/A	37.00	1,250.00
T&TEC	11,754,058.15	4,321,005.60	17,105,559.88	1,062,436.67	34,243,060.30	240,053.00	67,939.00	328,885.00	10,874.00	647,751.00
VINLEC	2,259,815.57	2,034,975.54	230,833.04	57,083.09	4,582,707.24	5,895.00	4,907.00	627.00	142.00	11,571.00

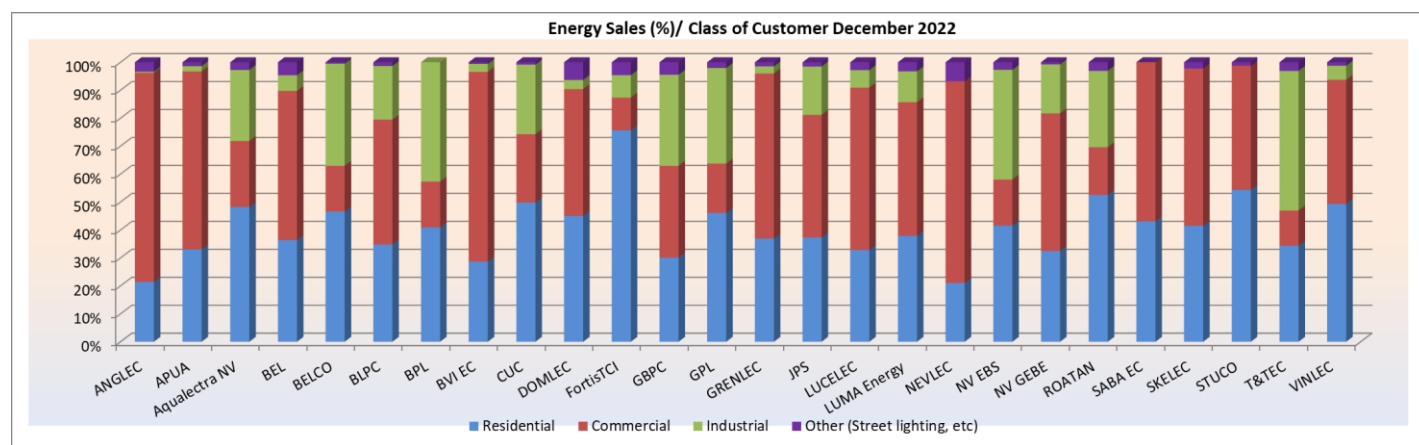


Figure 4: Energy Sales (%) per Customer Class, for December 2022

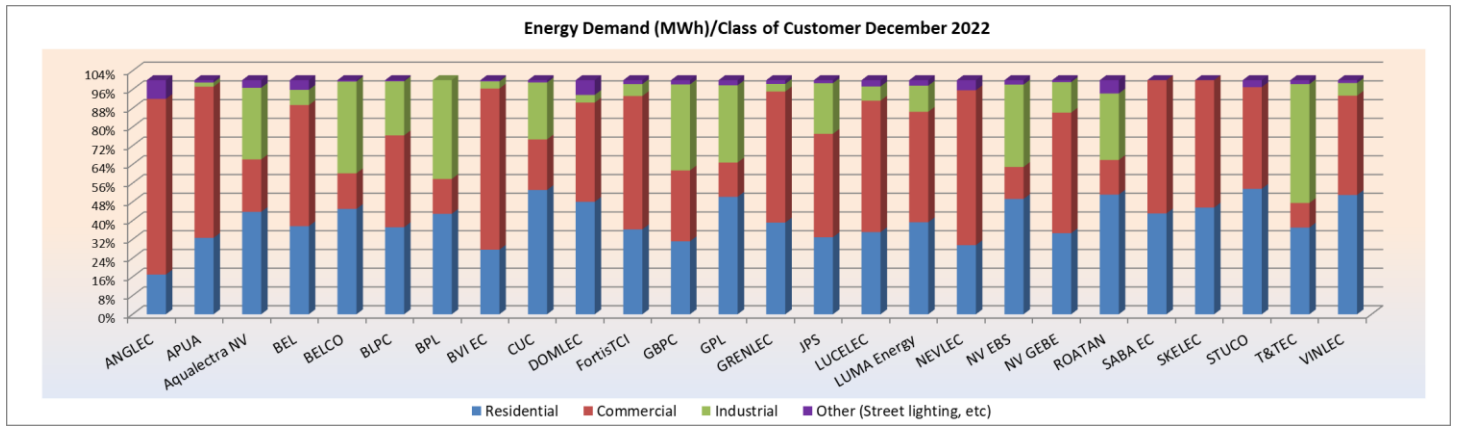


Figure 5: Energy Demand (MWh) per Customer Class, for December 2022

Table 10: Annual Energy Sales and Energy Demand for 2022

Utility	Energy Sales (US\$/year)					Energy Demand (MWh/year)				
	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total
ANGLEC	7,669,507.00	27,391,098.00	62,495.00	1,398,364.00	36,521,464.00	6,495.53	23,198.33	N/A	1,237.25	30,931.11
APUA	34,987,399.55	64,118,443.70	2,084,948.67	516,765.43	101,707,557.35	106,577.47	201,406.02	6,004.31	3,120.00	317,107.79
Aqualectra NV	118,831,000.00	60,012,000.00	62,451,000.00	7,290,000.00	248,584,000.00	281,758.00	133,072.00	173,971.00	21,311.00	610,112.00
BEL	46,521,596.69	61,820,263.10	6,618,968.50	5,593,182.53	120,554,010.82	239,852.45	299,248.77	37,855.10	24,858.34	601,814.66
BELCO	112,531,175.00	38,313,700.00	84,913,955.00	957,442.00	236,716,272.00	238,810.00	78,563.00	204,347.00	2,504.00	524,224.00
BLPC	34,495,500.00	44,795,000.00	19,488,000.00	1,407,000.00	100,185,500.00	348,551.00	365,391.00	218,880.00	4,412.00	937,234.00
BPL	178,553,961.00	65,992,577.00	144,114,791.00	N/A	388,661,329.00	747,854.00	248,766.00	636,699.00	N/A	1,633,319.00
BVI EC	24,582,106.70	47,440,627.14	2,291,160.10	418,218.30	74,732,112.24	57,318.71	118,018.81	5,971.52	889.64	182,198.68
CUC	122,818,220.94	60,137,198.56	61,365,399.43	2,007,633.98	246,328,452.91	357,695.93	145,612.91	163,897.77	5,264.53	672,471.14
DOMLEC	9,844,571.29	10,392,303.84	783,755.49	1,320,007.03	22,340,637.65	41,815.00	38,694.00	3,204.00	5,273.00	88,986.00
Fortis TCI	28,296,475.00	43,091,016.00	2,328,702.00	1,551,283.00	75,267,476.00	102,719.00	157,830.00	11,932.00	4,432.00	276,913.00
GBPC	30,705,261.00	27,414,438.00	24,888,623.00	3,260,178.00	86,268,500.00	99,614.00	83,345.00	92,288.00	4,274.00	279,521.00
GPL	81,042,828.16	31,179,363.04	62,736,766.56	4,063,599.09	179,022,556.85	385,767.63	119,262.68	249,759.45	18,907.69	773,697.45
GRENLEC	33,615,161.00	52,392,020.00	2,216,802.00	1,389,965.00	89,613,948.00	89,982.00	125,644.00	7,082.00	3,805.00	226,513.00
JPS	441,867,071.00	495,251,203.00	194,733,090.00	17,752,237.00	1,149,603,601.00	1,080,875.00	1,364,574.00	683,295.00	41,455.00	3,170,199.00
LUCELEC	48,365,434.00	83,458,365.00	8,128,203.00	4,063,544.00	144,015,546.00	134,950.00	208,182.00	20,498.00	10,033.00	373,663.00
LUMA Energy	1,823,239,048.40	2,198,093,624.61	505,094,088.60	145,093,362.14	4,671,520,123.75	6,419,561.42	7,157,519.40	1,768,492.56	337,802.64	15,683,376.02
NEVLEC	7,059,316.85	13,168,982.50	N/A	1,221,657.39	21,449,956.74	20,866.59	31,809.91	N/A	3.00	52,679.50
NV EBS	26,450,365.31	10,551,181.62	23,822,935.89	1,810,104.70	62,634,587.52	654,623.81	179,016.84	457,767.79	25,908.07	1,317,316.51
NV GEBE	N/A									
ROATAN	20,563,303.00	6,234,670.00	10,096,824.00	1,202,050.00	38,096,847.00	48,900.00	13,600.00	25,700.00	5,600.00	93,800.00
SABA EC	1,587,483.63	2,103,789.49	N/A	N/A	3,691,273.12	3,721.00	4,909.00	N/A	N/A	8,630.00
SKELEC	16,411,714.80	20,386,526.90	N/A	2,154,607.06	38,952,848.76	64,802.05	73,723.92	N/A	N/A	138,525.97
STUCO	N/A	N/A	N/A	N/A	0.00	8,856.00	7,246.00	N/A	445.00	16,547.00
T&TEC	155,841,477.52	58,595,722.27	208,305,607.82	12,899,904.43	435,642,712.04	3,226,571.00	919,249.00	4,102,571.00	130,146.00	8,378,537.00
VINLEC	30,130,667.86	26,121,011.87	2,674,114.18	782,290.97	59,708,084.88	75,360.00	59,435.00	6,853.00	1,702.00	143,350.00

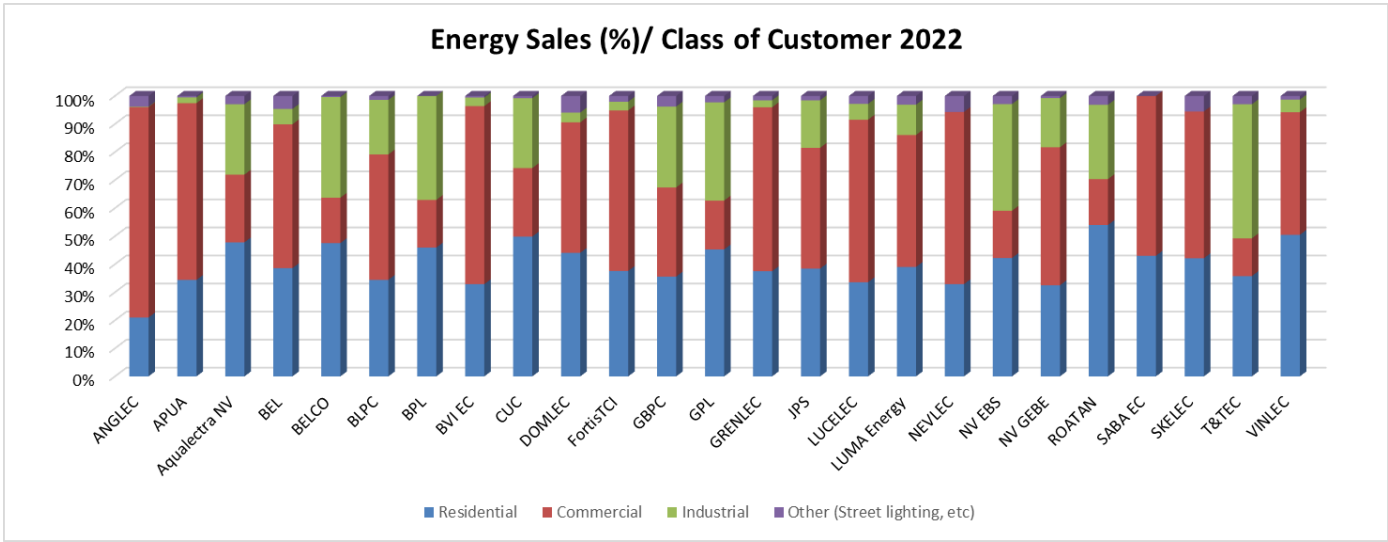


Figure 6: Energy Sales (%) per Customer Class for 2022

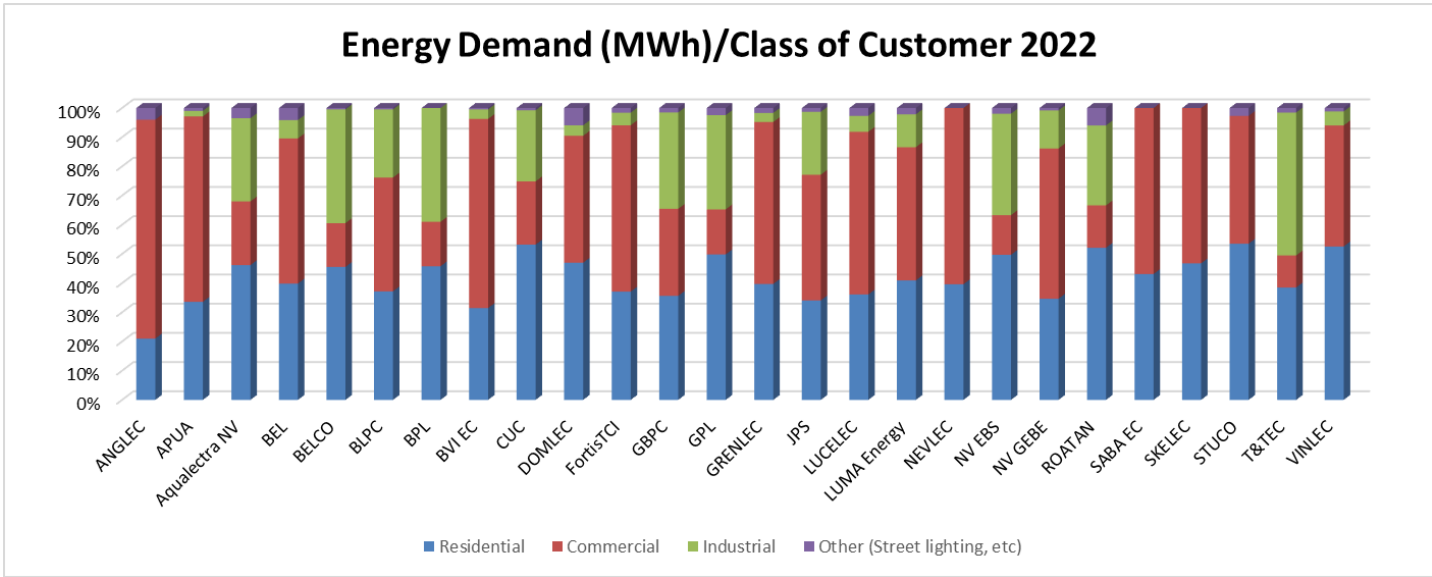


Figure 7: Energy Demand (MWh) per Customer Class for 2022

Table 11: Customer Composition

CUSTOMER COMPOSITION					Total	
Name Of Utility	Domestic / Residential (%)	Commercial (%)	Industrial (%)	Others (%)	(%)	No of Customers
ANGLEC	71.00	19.00	5.00	5.00	100.00	8,500
APUA	89.00	8.00	1.00	2.00	100.00	37,419
Aqualectra NV	90.00	10.00	0.00	0.00	100.00	94,618
BEL	79.00	21.00	0.00	0.00	100.00	108,512
BELCO	90.00	8.00	1.00	1.00	100.00	36,064
BLPC	72.00	10.00	1.00	17.00	100.00	162,030
BPL	85.00	14.00	1.00	0.00	100.00	112,247
BVIEC	85.00	13.00	1.00	1.00	100.00	16,192
CUC	85.84	13.86	0.30	0.00	100.00	33,119
DOMLEC	87.00	11.00	1.00	1.00	100.00	37,000
Fortis TCI	85.00	15.00	0.00	0.00	100.00	16,708
GBPC	87.00	11.00	1.00	1.00	100.00	19,194
GPL	91.00	8.00	1.00	0.00	100.00	218,922
GRENLEC	85.00	13.00	1.00	1.00	100.00	56,771
JPS	88.00	10.00	1.00	1.00	100.00	678,829
LUCELEC	89.00	9.00	1.00	1.00	100.00	71,483
LUMA Energy	91.00	8.00	0.00	1.00	100.00	1,503,157
NEVLEC	86.00	14.00	N/A	N/A	100.00	7,904
NV EBS	88.00	11.00	1.00	0.00	100.00	185,624
NV GEBE	85.03	14.90	0.07	0.00	100.00	21,835
ROATAN	91.00	7.00	1.00	1.00	100.00	20,002
SABA EC	80.00	20.00	0.00	0.00	100.00	1,356
SKELEC	89.00	10.00	0.00	1.00	100.00	21,838
STUCO	64.00	15.00	0.00	21.00	100.00	1,850
T&TEC	88.00	10.00	1.00	1.00	100.00	515,173
VINLEC	88.00	10.00	1.00	1.00	100.00	48,120

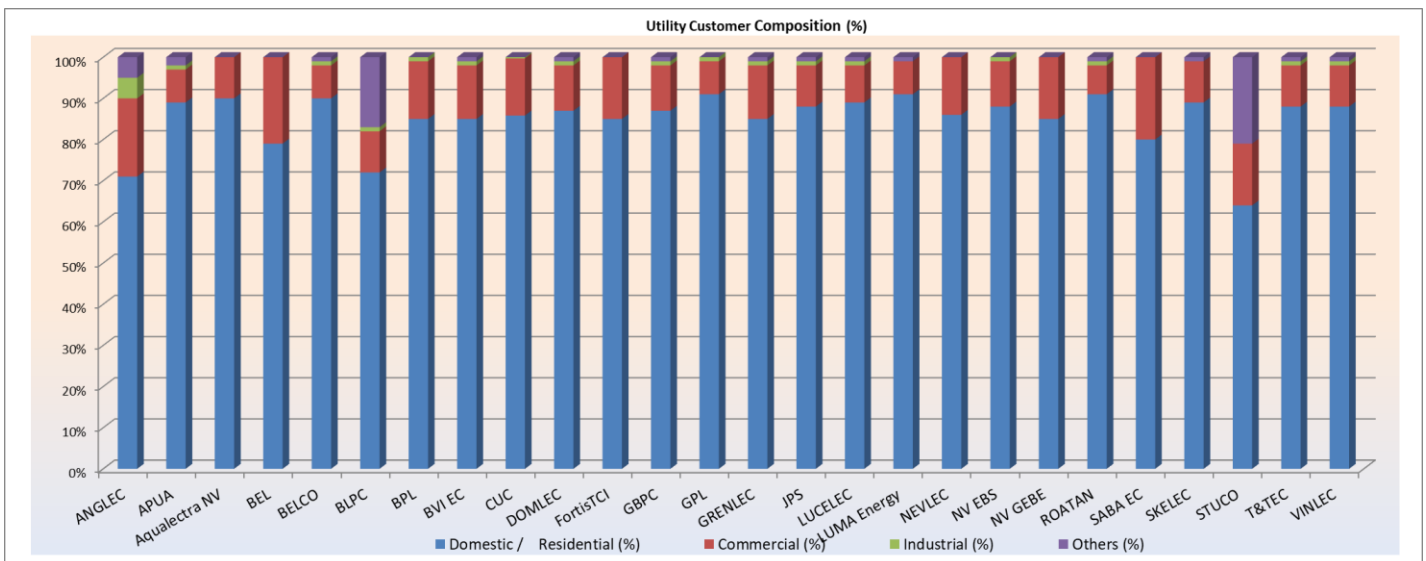


Figure 8: Utility Customer Composition (%)

Table 12: Incentives for IPPs

Electricity Tariff Rates (US cents/kWh) for IPPs							
Utility	Diesel/HFO	Natural Gas	Solar	Wind	Hydro	Bagasse	Other
ANGLEC	N/A	N/A	N/A	N/A	N/A	N/A	N/A
APUA	5- 5.8	N/A	N/A	N/A	N/A	N/A	N/A
Aqualectra NV	N/A	N/A	9.34	11.05	N/A	N/A	N/A
BEL	N.A.	N/A	N.A.	N/A	N/A	N/A	N/A
BELCO	N.A.	N/A	10.30	N/A	N/A	N/A	18.50
BLPC	N.A.	N/A	N/A	N/A	N/A	*	N/A
BPL	N.A.	N/A	N/A	N/A	N/A	N/A	N/A
BVI EC	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CUC	N.A.	N/A	N/A	N/A	N/A	N/A	N/A
DOMLEC	26.79 ⁴³	N/A	26.79 ²³	N/A	N/A	N/A	N/A
Fortis TCI	N.A.	N/A	N/A	N/A	N/A	N/A	N/A
GBPC	N.A.	N/A	N/A	N/A	N/A	N/A	N/A
GPL	N.A.	N/A	N/A	N/A	N/A	N/A	N/A
GRENEC	N/A	N/A	N/A	N/A	N/A	N/A	N/A
JPS	14.00	16.00	20.00	8.00	N/A	N/A	N/A
LUCELEC	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LUMA Energy ⁴⁴	N/A	16.00	19.00	17.00	N/A	10.00	7.80 - Coal
NEVLEC	N/A	N/A	N/A	5.00	N/A	N/A	N/A
NV EBS	19.00	N/A	N/A	N/A	2.00	N/A	N/A
NV GEBE	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ROATAN	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SABA EC	64.00	N/A	36.00	N/A	N/A	N/A	N/A
SKELEC	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STUCO	N/A	N/A	5.00*	N/A	N/A	N/A	N/A
T&TEC	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VINLEC	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 13: * Additional information - Electricity Tariff Rates (Us Cents/kWh) for IPPs in Barbados

Electricity Tariff Rates (US cents/kWh) for IPPs in Barbados					
Capacity	Solar	Wind	Hydro	Biomass	Anaerobic digestion
0 - 10 kW	22.38	19.88	0.00	25.13	22.13
11 - 100 kW	21.38	19.13	0.00	25.13	22.13
101- 250 kW	20.88	19.13	0.00	25.13	22.13
251 - 500 kW	19.13	19.13	0.00	25.13	22.13
501 kW - 1 MW	18.13	19.13	0.00	25.13	22.13
1 - 5 MW	11.63	11.13	0.00	0.00	0.00
5 - 10 MW	10.86	10.13	0.00	0.00	0.00

⁴³ 0.2679 US\$/kWh for 0-214 kW

⁴⁴ Assumed USD/MWh

Table 14: Type of Mechanism for small-scale (distributed) RE-Generation in Place

Type of mechanism for Small Scale (Distributed) RE Generation in Place					Capacity Threshold in kW	
Utility	None	Net Metering	Net Billing	Other	Residential Band	Commercial Band
ANGLEC	-	-	-	√	N/A	N/A
APUA	-	-	√	-	5.00	5.00
Aqualectra NV	-	-	√	-	10.00	100.00
BEL	√	-	-	-	N/A	N/A
BELCO	-	-	√	-	500.00	500.00
BLPC	-	-	√	-	10,000.00	10,000.00
BPL	-	-	√	-	100.00	100.00
BVIEC	-	-	√	-	50.00	500.00
CUC	-	√	√	-	10.00 or 250.00	10.00 or 250.00
DOMLEC	-	-	-	√	150.00	150.00
Fortis TCI	-	-	-	√	7.00	7.00
GBPC	-	-	-	-	N/A	N/A
GPL	-	-	√	-	250.00	250.00
GRENLEC	-	-	-	√	120% ⁴⁵	60% ⁴⁵
JPS	-	-	√	-	10.00	100.00
LUCELEC	-	-	√	-	5.00	25.00
LUMA Energy	-	√	-	-	25.00	1,000.00
NEVLEC	-	-	-	-	N/A	N/A
NV EBS	-	√	-	-	Max installed as per connection	
NV GEBE	√	-	-	-	N/A	N/A
ROATAN	-	-	-	√	N/A	N/A
SABA EC	-	√	-	-	13.30	> 13.3
SKELEC	√	-	-	-	N/A	N/A
STUCO	-	-	√	-	13.30	Negotiated
T&TEC	√	-	-	-	N/A	N/A
VINLEC	-	-	√	-	N/A	N/A

⁴⁵ Of average annual consumption

Table 15: Incentives for small-scale RE Generators/Prosumers

Average Electricity Tariff Rate (US cents/kWh) for Small Scale (Distributed) RE Generators/Prosumers				
Utility	Residential Band < 10kW	Residential Band >10kW	Commercial Band <100kW	Commercial Band >100kW
ANGLEC	N/A	N/A	N/A	N/A
APUA	17.00	17.00	17.00	17.00
Aqualectra NV	13.74	13.74	13.74	13.74
BEL	N/A	N/A	N/A	N/A
BELCO	22.65	22.65	22.65	22.65
BLPC	17.13	17.13 - 38.00	17.81	17.17 – 19.88
BPL	10.95	14.95	15.00	15.00
BVIEC	20.00	20.00	15.00	15.00
CUC	19.30	15.10	15.10 ⁴⁶	15.10
DOMLEC	27.00	27.00	27.00	27.00
Fortis TCI	N/A	N/A	N/A	N/A
GBPC	N/A	N/A	N/A	N/A
GPL	19.00	19.00	24.00	24.00
GRENEC	14.00	N/A	N/A	N/A
JPS	16.35	N/A	16.35	N/A
LUCELEC	29.00	29.00	33.00	33.00
LUMA Energy	25.64	25.64	29.22	26.30
NEVLEC	N/A	N/A	N/A	N/A
NV EBS	6.00	6.00	6.00	6.00
NV GEBE	N/A	N/A	N/A	N/A
ROATAN	N/A	N/A	N/A	N/A
SABA EC	5.00	5.00	1.00	1.00
SKELEC	N/A	N/A	N/A	N/A
STUCO	5.00	5.00	1.00	1.00
T&TEC	N/A	N/A	N/A	N/A
VINLEC	17.00	N/A	17.00	N/A

⁴⁶ If under 10kW, same as rates under residential band under 10kW

Table 16: System Peak Load

System Peak Load	
Utility	Peak Load in MW⁴⁷
ANGLEC	15.40
APUA	56.70
Aqualectra NV	113.20
BEL	110.30
BELCO	77.31
BLPC	143.00
BPL	196.50
BVI EC	29.85
CUC	113.57
DOMLEC	16.35
Fortis TCI	46.00
GBPC	41.28
GPL	125.80
GRENLEC	36.14
JPS	596.70
LUCELEC	56.93
LUMA Energy	2,382.00
NEVLEC	8.90
NV EBS	212.50
NV GEBE	51.40
ROATAN	18.60
SABA EC	1.10
SKELEC	28.80
STUCO	2.80
T&TEC	1,239.00
VINLEC	21.84

⁴⁷ Recent system peak load or all-time peak

Table 17: Installed Renewable Energy Capacity of utility-owned power plants and IPPs⁴⁸

Installed RE Capacity in December 2022 in MW Total per RE source							
Utility	Solar	Wind	Hydro	Biomass	Geothermal	Other	Total
ANGLEC	N/A	N/A	N/A	N/A	N/A	N/A	0.00
APUA	9.20	N/A	N/A	N/A	N/A	N/A	9.20
Aqualectra NV	18.50	46.60	N.A.	N.A.	N.A.	N.A.	65.10
BEL	1.65	0.00	54.65	21.50	0.00	0.00	77.80
BELCO	6.00	N/A	N/A	N/A	N/A	7.00	13.00
BLPC	82.88	1.02	N/A	N/A	N/A	N/A	83.90
BPL	6.30	0.00	0.00	0.00	0.00	0.00	6.30
BVIEC	0.43	0.00	0.00	0.00	0.00	0.00	0.43
CUC	13.79	0.01	N/A	N/A	N/A	N/A	13.80
DOMLEC	0.42	N/A	6.60	N/A	N/A	N/A	7.02
Fortis TCI	2.60 ⁴⁹	N/A	N/A	N/A	N/A	N/A	2.60
GBPC	N/A	N/A	N/A	N/A	N/A	N/A	0.00
GPL	N/A	N/A	N/A	N/A	N/A	N/A	0.00
GRENLEC	3.95	N/A	N/A	N/A	N/A	N/A	3.95
JPS	57.00	101.30	28.66	N/A	N/A	N/A	186.96
LUCELEC	3.95	N/A	N/A	N/A	N/A	N/A	3.95
LUMA Energy	147.10	75.00	99.70	4.80	N/A	N/A	326.60
NEVLEC	N/A	2.20	N/A	N/A	N/A	N/A	2.20
NV EBS	2.80	N/A	189.00	N/A	N/A	N/A	191.80
NV GEBE	N/A	N/A	N/A	N/A	N/A	79.60	79.60
ROATAN	12.00	3.80	N/A	N/A	N/A	N/A	15.80
SABA EC	2.10	N/A	N/A	N/A	N/A	N/A	2.10
SKELEC	N/A	N/A	N/A	N/A	N/A	N/A	0.00
STUCO	4.10	N/A	N/A	N/A	N/A	N/A	4.10
T&TEC	N/A	N/A	N/A	N/A	N/A	N/A	0.00
VINLEC	3.68	N/A	5.60	N/A	N/A	N/A	9.28

⁴⁸ Data may include in some cases, installed small-scale DER capacity as well.

⁴⁹ Only utility-owned is accounted

Table 18: Type of electricity purchased from IPPs

Type of electricity purchased from IPPs			
Utility	Fossil Fuel	RE	None
ANGLEC			√
APUA	√		
Aqualectra NV		√	
BEL	√	√	
BELCO		√	
BLPC		√	
BPL	√		
BVI EC			√
CUC		√	
DOMLEC		√	
Fortis TCI			√
GBPC			√
GPL	√		
GRENLEC			√
JPS	√	√	
LUCELEC			√
LUMA Energy	√	√	
NEVLEC		√	
NV EBS	√	√	
NV GEBE	√		
ROATAN			√
SABA EC			√
SKELEC			√
STUCO			√
T&TEC	√		
VINLEC		√	

Table 19: Total installed capacity of small-scale RE/distributed RE (DER) in country

Total installed capacity of DER in country	
Utility	Installed capacity in MW
ANGLEC	N/A
APUA	271.00
Aqualectra NV	18.50
BEL	1.65
BELCO	9.11
BLPC	73.91
BPL	4.00
BVI EC	0.43
CUC	10.54
DOMLEC	0.42
Fortis TCI	2.60
GBPC	N/A
GPL	N/A
GRENLEC	3.95
JPS	12.70
LUCELEC	1.67
LUMA Energy	450.00
NEVLEC	2.20
NV EBS	0.07
NV GEBE	N/A
ROATAN	N/A
SABA EC	0.01
SKELEC	N/A
STUCO	0.75
T&TEC	N/A
VINLEC	3.68

Table 20: Current Number of Full Time Employees (FTE)

Current number of Full Time Employees (FTE)								
Utility	Total		Generation		T&D		Commercial	
	Total	Female	Total	Female	Total	Female	Total	Female
ANGLEC	99	27	21	1	44	3	34	23
APUA	119	6	27	2	40	7	52	N/A
Aqualectra NV	194	10	139	2	46	4	9	4
BEL	363	111	11	0	179	10	173	101
BELCO	229	34	115	10	82	6	32	18
BLPC	356	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BPL	794	204	279	5	181	4	334	195
BVIEC	152	34	51	1	48	1	53	32
CUC	262	56	102	2	73	9	87	45
DOMLEC	181	44	51	1	57	6	73	37
Fortis TCI	150	42	42	0	31	1	77	41
GBPC	193	71	57	4	39	7	97	60
GPL	1429	491	155	3	411	15	863	473
GRENLEC	232	49	51	1	90	3	91	45
JPS	1211	362	146	16	356	45	709	301
LUCELEC	261	94	58	4	68	7	135	83
LUMA Energy	5180	1241	1236	189	3944	1052	N/A	N/A
NEVLEC	84	24	27	1	31	5	26	18
NV EBS	1161	212	190	11	440	32	531	169
NV GEBE	236	68	N/A	N/A	N/A	N/A	N/A	N/A
ROATAN	145	22	59	2	24	1	40	19
SABA EC	16	2	7	0	4	0	5	0
SKELEC	236	62	48	3	106	11	82	48
STUCO	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
T&TEC	2816	777	50	3	1476	218	1290	556
VINLEC	309	49	141	5	52	0	116	44

Table 21: Monthly Energy Sales in USD per Customer Group for December 2022, September 2022 and June 2022

Utility	Dec-22					Sep-22					Jun-22				
	Energy Sales (US\$/month)														
	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total
APUA	2,746,991.00	5,296,852.68	156,505.64	117,000.00	8,317,349.32	3,133,763.93	5,495,988.99	220,608.96	117,000.00	8,967,361.88	2,888,544.51	5,156,715.76	181,930.99	117,000.00	8,344,191.26
Aqualectra NV	11,862,000.00	5,804,000.00	6,245,000.00	676,000.00	24,587,000.00	11,029,898.00	5,752,697.00	6,245,140.00	675,645.00	23,703,380.00	10,427,809.00	5,149,673.00	5,418,366.00	642,124.00	21,637,972.00
BEL	3,580,027.64	5,266,552.85	551,997.17	458,962.23	9,857,539.89	4,423,882.18	5,620,471.68	490,649.95	457,525.04	10,992,528.85	4,294,900.55	5,701,832.33	498,972.16	469,258.95	10,964,963.99
BELCO	8,017,601.00	2,809,066.00	6,289,142.00	86,719.00	17,202,528.00	12,668,273.00	4,312,985.00	8,781,798.00	81,673.00	25,844,729.00	5,702,117.00	2,141,178.00	4,238,420.00	35,673.00	12,117,388.00
BVIEC	1,713,020.24	4,056,667.34	170,107.11	36,120.35	5,975,915.04	2,318,350.47	4,127,439.08	183,118.34	35,493.47	6,664,401.36	2,466,783.16	4,672,831.19	216,522.75	38,528.25	7,394,665.35
CUC	10,272,565.61	5,029,899.58	5,132,626.80	174,394.08	20,609,486.07	13,250,184.69	6,127,439.54	6,161,948.13	181,758.88	25,721,331.24	11,410,192.02	4,871,374.11	4,595,885.91	153,210.02	21,030,662.06
DOMLEC	806,868.35	814,697.93	58,179.24	113,514.31	1,793,259.83	838,419.91	926,625.22	66,040.10	96,770.24	1,927,855.47	863,775.00	968,841.33	71,231.92	106,014.94	2,009,863.19
Fortis TCI	2,275,692.00	353,213.00	242,510.00	138,553.00	3,009,968.00	2,538,000.00	3,336,000.00	133,000.00	127,000.00	6,134,000.00	2,936,000.00	3,930,000.00	174,000.00	132,000.00	7,172,000.00
GPL	7,569,296.13	2,891,452.58	5,612,326.70	338,633.26	16,411,708.67	6,902,789.53	2,824,683.33	5,730,426.47	338,633.24	15,796,532.57	6,598,393.79	2,730,319.52	5,032,561.69	338,633.26	14,699,908.26
GRENLEC	3,233,290.00	5,167,246.00	223,411.00	130,226.00	8,754,173.00	3,615,613.00	5,910,826.00	222,207.00	144,704.00	9,893,350.00	2,503,688.00	3,930,438.00	170,176.00	108,819.00	6,713,121.00
JPSCO	35,294,789.00	41,476,771.00	16,357,819.00	1,447,987.00	94,577,366.00	36,932,234.00	41,427,933.00	16,458,699.00	1,323,800.00	96,142,666.00	39,071,829.00	43,158,316.00	16,644,639.00	1,524,368.00	100,399,152.00
LUCELEC	4,079,971.80	7,228,140.91	780,852.00	348,712.58	12,437,677.29	4,481,980.05	7,706,626.06	715,161.99	356,802.09	13,260,570.19	4,136,273.73	7,389,463.73	687,294.44	345,825.81	12,558,857.71
NV EBS	1,925,894.61	762,768.57	1,819,906.34	125,156.59	4,633,726.11	2,248,381.95	877,283.82	2,081,484.68	145,631.94	5,352,782.39	1,998,904.00	842,868.00	2,032,158.00	158,180.00	5,032,110.00
T&TEC	11,754,058.15	4,321,005.60	17,105,559.88	1,062,436.67	34,243,060.30	13,269,849.41	5,152,717.85	17,526,555.31	1,076,902.51	37,026,025.08	13,339,344.65	4,786,332.01	9,787,507.23	1,075,313.27	28,988,497.16
VINLEC	2,259,815.57	2,034,975.54	230,833.04	57,083.09	4,582,707.24	2,670,131.90	2,328,908.82	230,319.33	64,031.28	5,293,391.33	2,670,131.90	2,328,908.82	230,319.33	64,031.28	5,293,391.33

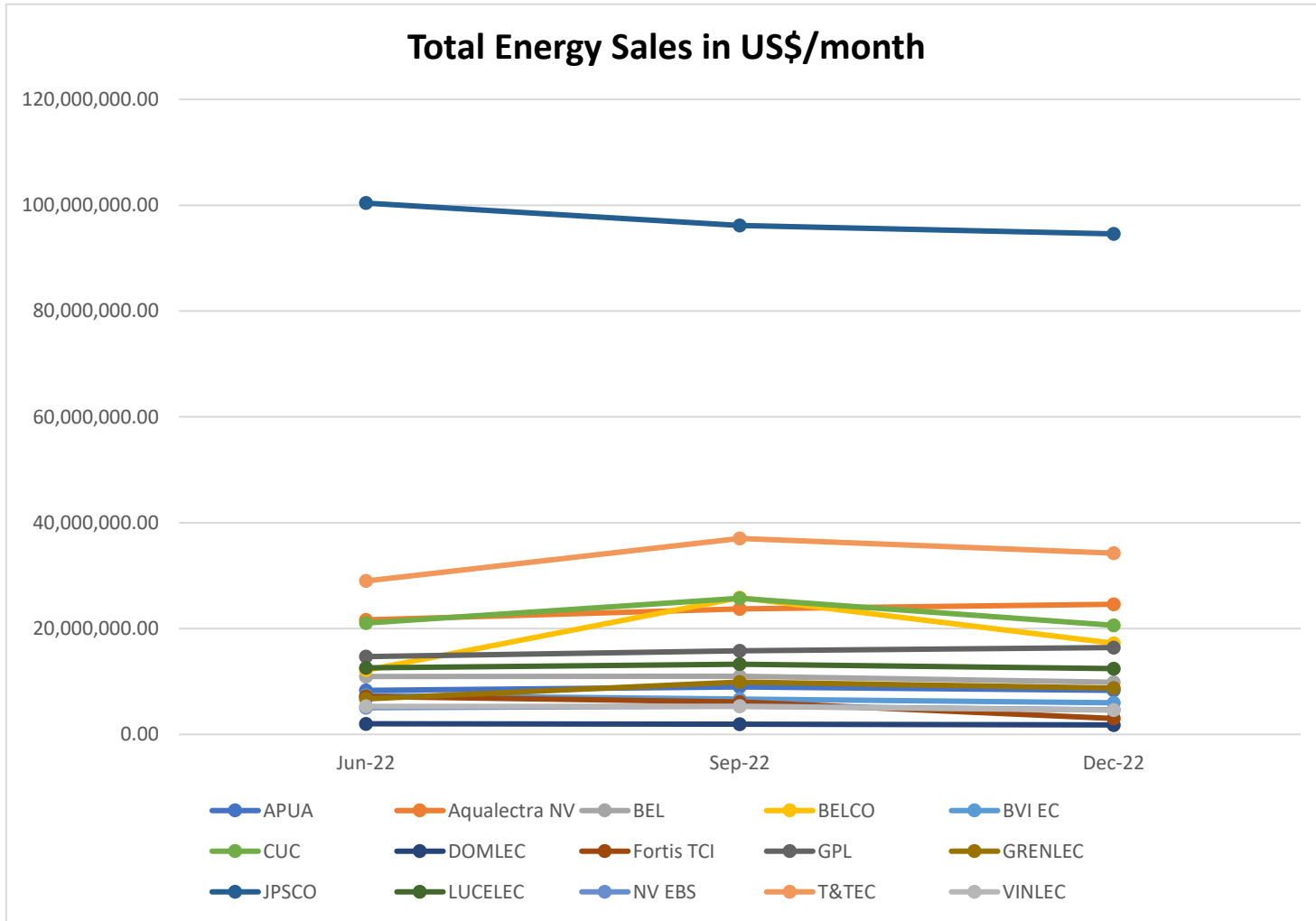


Figure 9: Total Energy Sales in USD per Utility for December 2022, September 2022 and June 2022

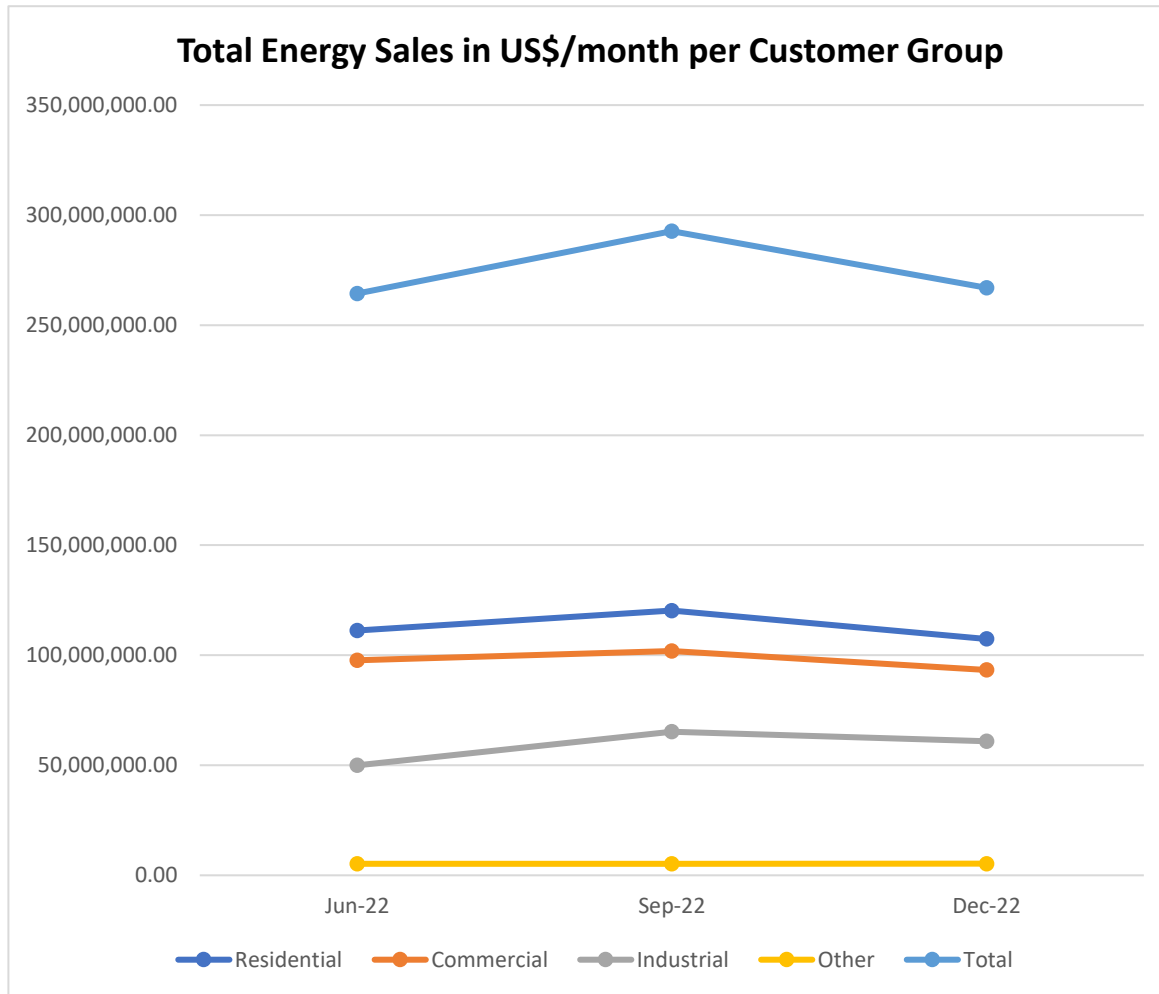


Figure 10: Total Energy Sales in USD per Customer Group for December 2022, September 2022 and June 2022

Table 22: Monthly Energy Demand in MWh per Customer Group for December 2022, September 2022 and June 2022

Utility	Dec-22					Sep-22					Jun-22				
	Energy Demand (MWh/month)														
	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total
APUA	8,337.69	16,491.20	450.72	260.00	25,539.61	9,651.53	15,875.51	644.61	260.00	26,431.65	8,777.00	16,189.59	523.63	260.00	25,750.22
Aqualectra NV	22,571.00	11,560.00	15,790.00	1,682.00	51,603.00	26,141.00	12,013.00	16,000.00	1,799.00	55,953.00	24,406.00	11,355.00	14,816.00	1,828.00	52,405.00
BEL	18,544.87	25,474.56	3,202.80	2,039.83	49,262.06	22,619.48	27,269.10	2,943.49	2,033.44	54,865.51	21,991.28	27,693.47	2,528.70	2,085.59	54,299.04
BELCO	17,285.00	5,844.00	15,038.00	231.00	38,398.00	25,383.00	8,418.00	20,177.00	193.00	54,171.00	19,703.79	7,007.93	18,208.54	181.48	45,101.74
BVIEC	3,992.17	9,950.25	441.35	77.07	14,460.84	5,335.65	10,188.15	466.00	74.41	16,064.21	5,141.00	10,404.03	498.46	74.16	16,117.65
CUC	29,654.76	12,072.03	13,587.94	544.41	55,859.14	34,302.69	13,121.62	14,418.12	422.46	62,264.89	32,340.28	12,771.48	13,458.73	437.04	59,007.53
DOMLEC	3,507.00	3,096.00	240.00	460.00	7,303.00	3,547.00	3,451.00	268.00	559.00	7,825.00	3,474.00	3,412.00	278.00	410.00	7,574.00
Fortis TCI	8,261.00	12,962.00	1,161.00	383.00	22,767.00	9,185.00	12,248.00	697.00	331.00	22,461.00	10,616.00	14,421.00	917.00	372.00	26,326.00
GPL	36,096.88	10,527.61	23,723.62	1,581.06	71,929.16	32,496.73	9,956.48	22,443.89	1,504.78	66,401.88	31,315.30	9,558.90	21,112.40	7,106.50	69,093.10
GRENLEC	7,412.00	10,590.00	611.00	303.00	18,916.00	8,302.00	11,461.00	572.00	310.00	20,645.00	7,193.00	10,154.00	581.00	319.00	18,247.00
JPSCO	87,378.00	117,214.00	57,459.00	3,415.00	265,466.00	93,431.00	116,535.00	54,978.00	3,185.00	268,129.00	94,360.00	119,231.00	59,446.00	3,471.00	276,508.00
LUCELEC	10,836.00	17,326.00	1,876.00	827.00	30,865.00	11,796.00	18,299.00	1,714.00	836.00	32,645.00	11,318.00	18,165.00	1,708.00	839.00	32,030.00
NV EBS	55,457.47	15,391.39	39,579.81	2,138.86	112,567.53	56,018.77	15,399.86	42,315.56	2,167.51	115,901.70	51,261.00	14,089.00	38,504.00	2,210.00	106,064.00
T&TEC	240,053.00	67,939.00	328,885.00	10,874.00	647,751.00	276,576.00	81,131.00	346,915.00	10,849.00	715,471.00	274,023.00	76,739.00	352,217.00	10,835.00	713,814.00
VINLEC	5,895.00	4,907.00	627.00	142.00	11,571.00	6,101.00	5,023.00	553.00	142.00	11,819.00	6,101.00	5,023.00	553.00	142.00	11,819.00

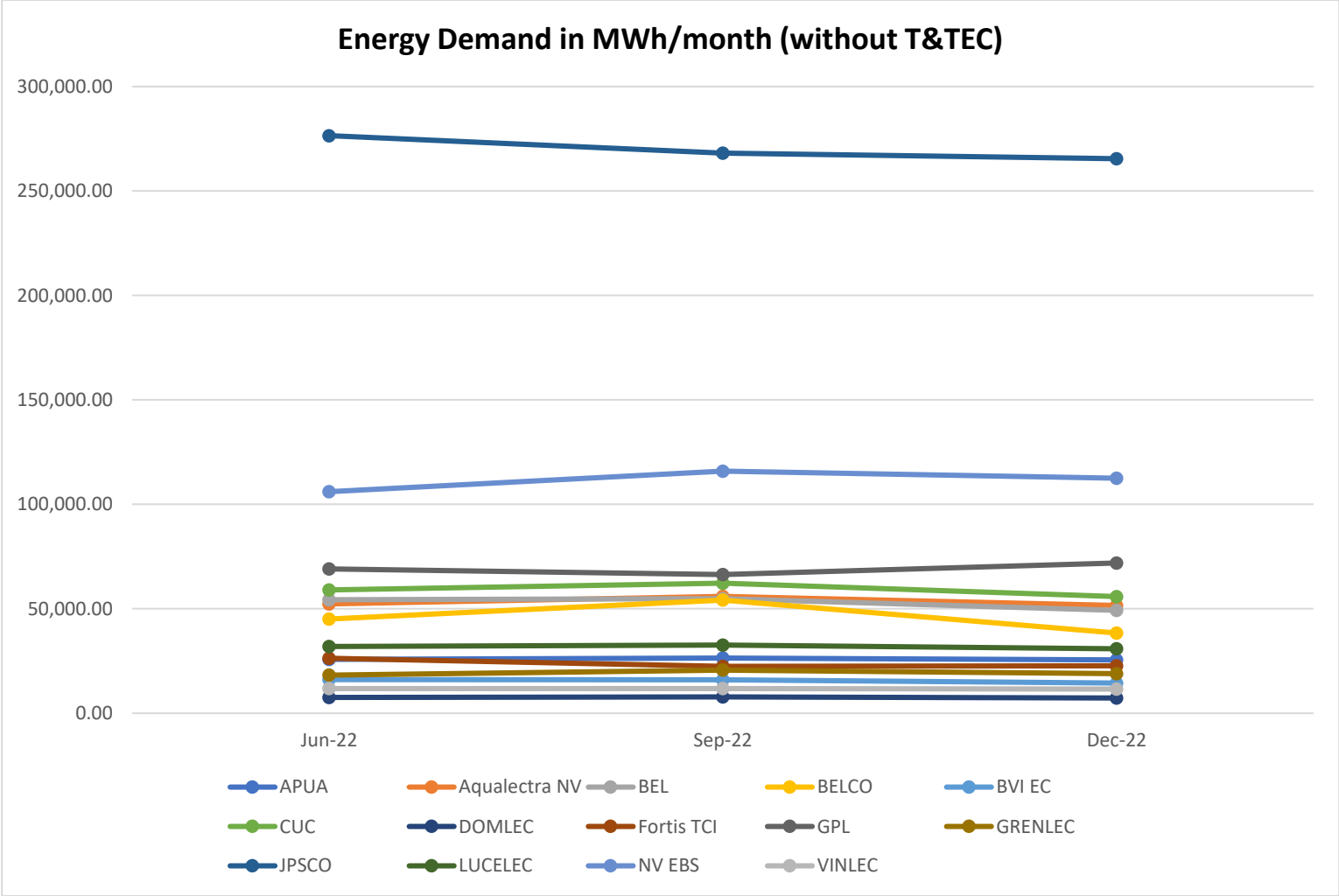


Figure 11: Total Energy Demand (MWh) per Utility for December 2022, September 2022 and June 2022 (without T&TEC)

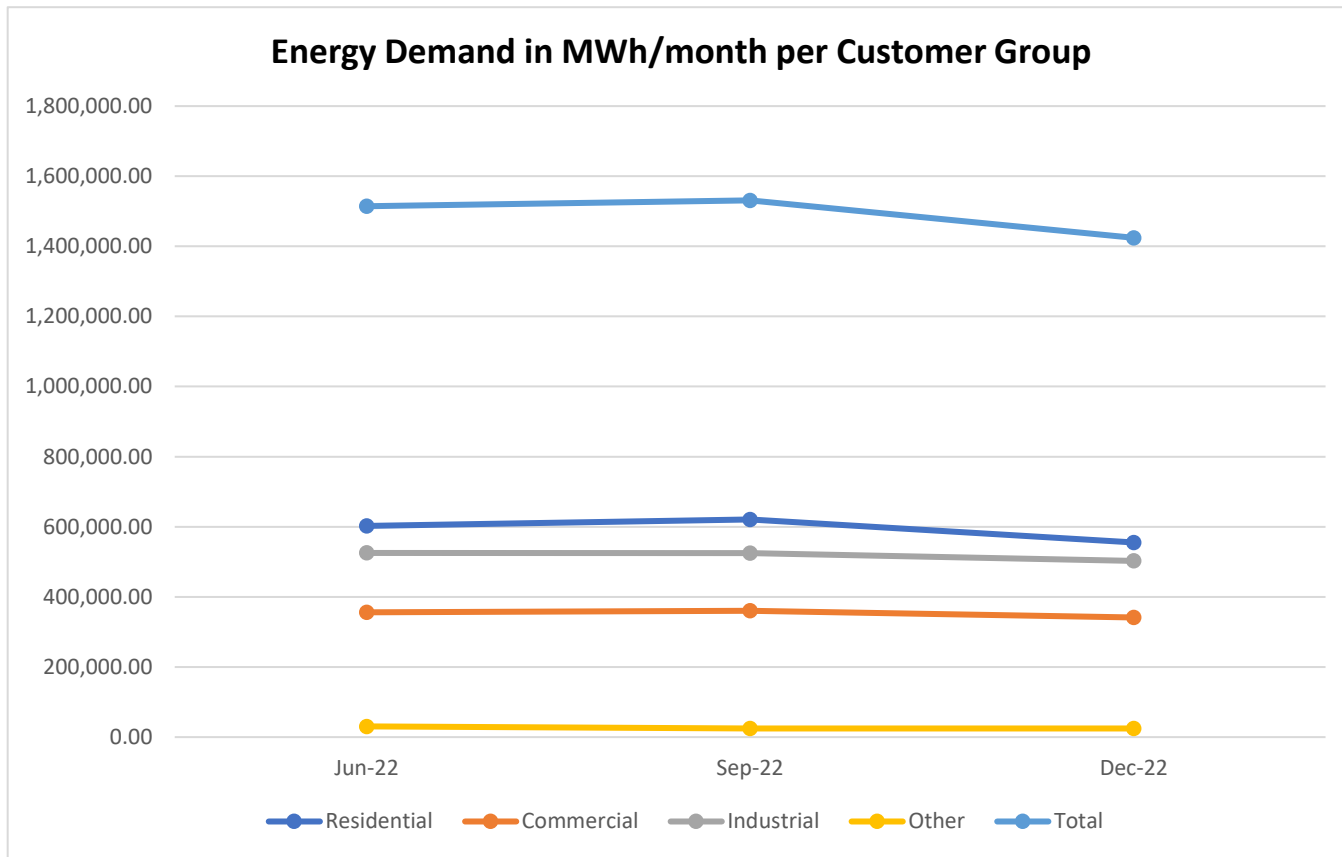


Figure 12: Total Energy Demand (MWh) per Customer Group for December 2022, September 2022 and June 2022

Table 23: Yearly Energy Sales in USD per Customer Group 2020, 2021 and 2022

Utility	2020					2021					2022				
	Energy Sales (US\$/year)														
	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total
APUA	35,110,724.00	57,992,890.00	2,286,526.00	1,404,000.00	96,794,140.00	33,956,476.19	58,209,248.85	1,984,997.35	516,765.43	94,667,487.82	34,987,399.55	64,118,443.70	2,084,948.67	516,765.43	101,707,557.35
BEL	50,068,736.96	54,117,830.33	3,900,780.08	5,791,460.25	113,878,807.62	49,666,401.02	55,259,666.06	3,715,354.42	5,628,877.18	114,270,298.68	46,521,596.69	61,820,263.10	6,618,968.50	5,593,182.53	120,554,010.82
BVIEC	16,544,065.91	25,395,094.54	1,496,331.61	200,383.05	43,635,875.11	18,768,904.62	31,489,131.67	1,500,517.50	285,539.15	52,044,092.94	24,582,106.70	47,440,627.14	2,291,160.10	418,218.30	74,732,112.24
CUC	80,183,024.18	33,050,568.99	35,364,975.89	1,286,491.96	149,885,061.02	102,587511.13	46,519,645.24	47,794,627.73	1,576,215.90	198,478,000.01	122,818,220.94	60,137,198.56	61,365,399.43	2,007,633.98	246,328,452.91
DOMLEC	8,872,592.90	9,930,089.62	880,087.65	685,119.97	20,367,890.14	9,987,696.69	10,285,355.70	833,974.61	1,358,499.62	22,465,526.62	9,844,571.29	10,392,303.84	783,755.49	1,320,007.03	22,340,637.65
FORTIS TCI	26,204,000.00	29,413,000.00	1,464,000.00	1,395,000.00	58,476,000.00	28,172,000.00	39,648,000.00	1,835,000.00	1,491,000.00	71,146,000.00	28,296,475.00	43,091,016.00	2,328,702.00	1,551,283.00	75,267,476.00
GRENLEC	24,776,182.94	32,813,759.71	1,461,764.83	1,238,820.21	60,290,527.69	26,683,367.50	36,574,700.83	1,658,328.49	1,181,546.91	66,097,943.73	33,615,161.00	52,392,020.00	2,216,802.00	1,389,965.00	89,613,948.00
LUCELEC	35,316,824.00	35,925,930.00	5,328,961.00	18,457,626.00	95,029,341.00	37,868,975.00	53,446,746.00	5,909,106.00	3,276,151.00	100,500,978.00	48,365,434.00	83,458,365.00	8,128,203.00	4,063,544.00	144,015,546.00
T&TEC	161,131,182.60	58,116,855.01	113,102,827.43	13,018,564.16	345,369,429.20	159,956319.92	55,551,006.49	110,697,723.45	12,854,075.94	339,059,125.80	155,841,477.52	58,595,722.27	208,305,607.82	12,899,904.43	435,642,712.04
VINLEC	21,300,067.07	18,379,069.97	1,885,175.94	1,008,639.10	42,572,952.08	23,256,482.56	19,455,517.20	1,935,194.60	696,356.62	45,343,550.98	30,130,667.86	26,121,011.87	2,674,114.18	782,290.97	59,708,084.88

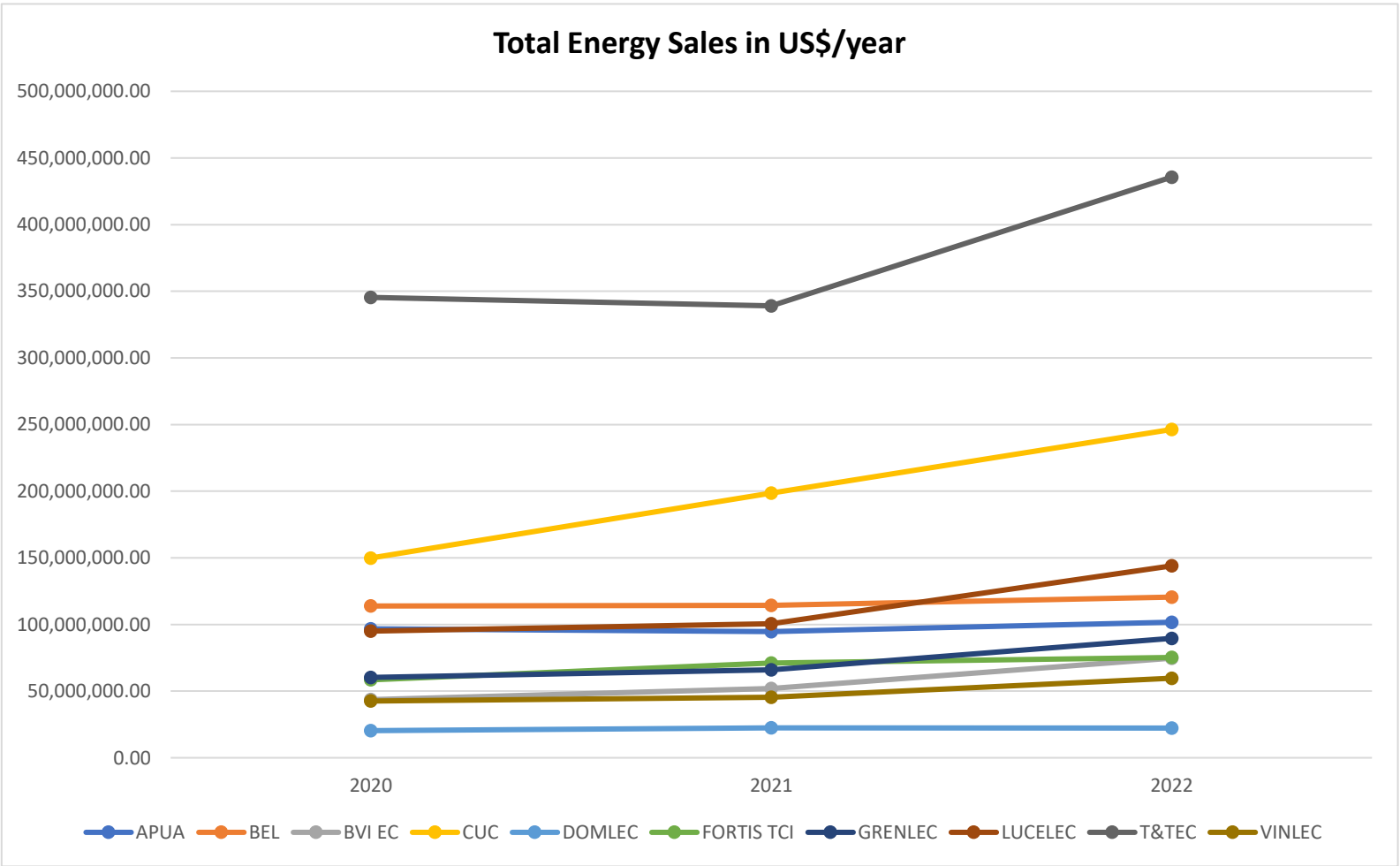


Figure 13: Total Energy Sales in USD per Utility for 2020, 2021 and 2022

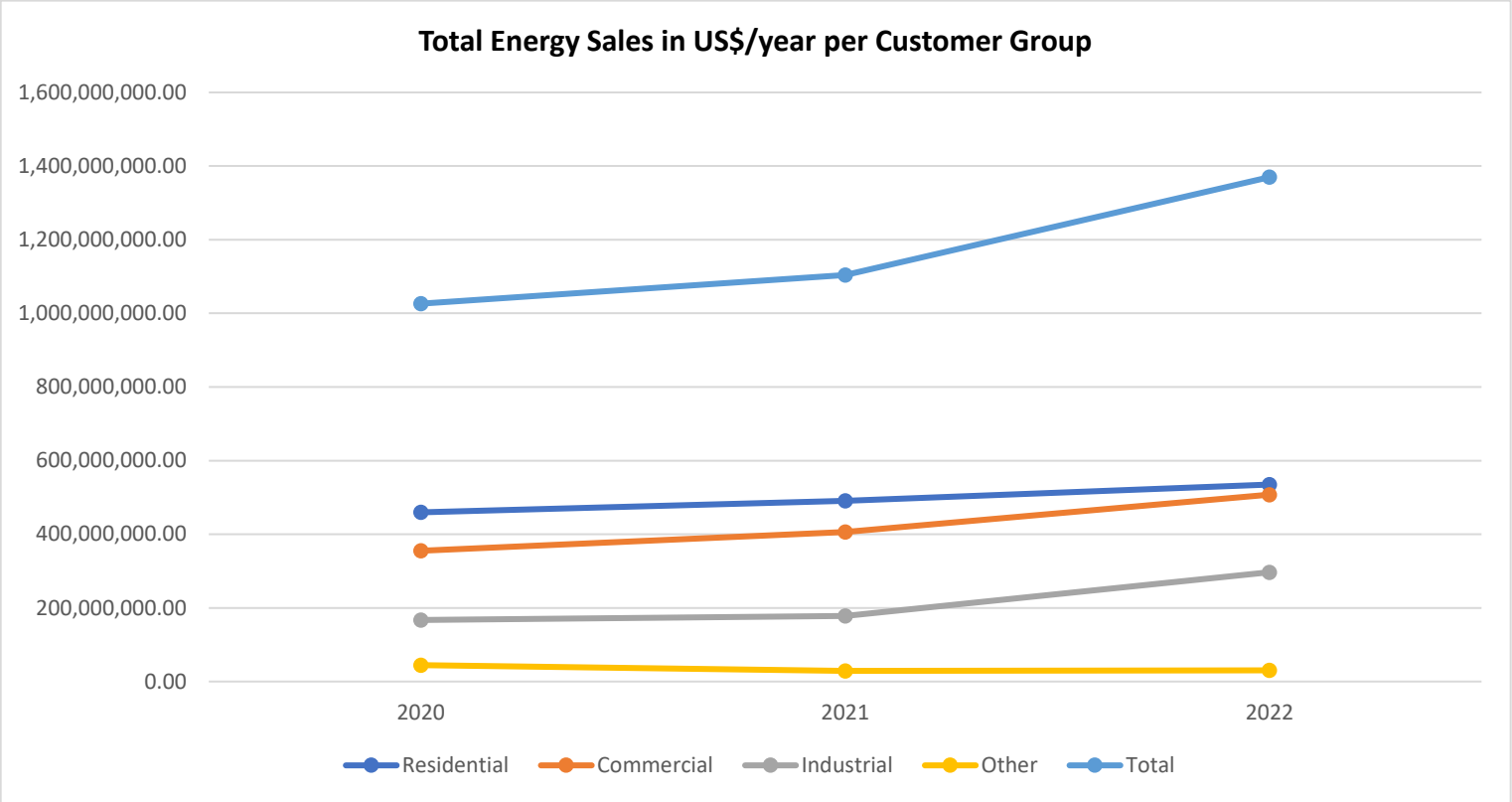


Figure 14: Total Energy Sales in USD per Customer Group for 2020, 2021 and 2022

Table 24: Yearly Energy Demand in MWh per Customer Group for 2020, 2021 and 2022

Utility	2020					2021					2022				
	Energy Demand (MWh/year)														
	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total	Residential	Commercial	Industrial	Other (Street lighting, etc)	Total
APUA	103,000.00	180,000.00	6,000.00	3,000.00	292,000.00	102,939.15	184,993.99	5,694.59	3,120.00	296,747.73	106,577.47	201,406.02	6,004.31	3,120.00	317,107.79
BEL	245,265.35	249,848.37	19,511.22	24,644.51	539,269.45	252,092.29	265,033.06	18,741.57	24,926.17	560,793.09	239,852.45	299,248.77	37,855.10	24,858.34	601,814.66
BLPC	346,472.25	338,421.91	201,035.67	7,939.60	893,869.42	355,550.00	335,627.00	208,197.00	5,584.00	904,958.00	348,551.00	365,391.00	218,880.00	4,412.00	937,234.00
BVIEC	59,700.00	102,590.00	6,260.00	640.00	169,190.00	59,251.35	110,036.18	5,508.84	797.12	175,593.49	57,318.71	118,018.81	5,971.52	889.64	182,198.68
CUC	357,230.00	132,130.00	151,520.00	6,430.00	647,310.00	351,009.93	146,375.00	161,289.00	1,826.07	660,500.00	357,695.93	145,612.91	163,897.77	5,264.53	672,471.14
FORTIS TCI	97,350.00	110,700.00	7,850.00	3,890.00	219,790.00	101,794.00	144,021.00	9,483.00	4,433.00	259,731.00	102,719.00	157,830.00	11,932.00	4,432.00	276,913.00
GRENEC	84,370.00	104,620.00	6,170.00	4,500.00	199,660.00	86,012.00	110,168.00	6,652.00	4,075.00	206,907.00	89,982.00	125,644.00	7,082.00	3,805.00	226,513.00
LUCELEC	136,200.00	171,700.00	17,730.00	9,740.00	335,370.00	137,541.00	169,030.00	18,743.00	10,190.00	335,504.00	134,950.00	208,182.00	20,498.00	10,033.00	373,663.00
T&TEC	3,317,000.00	908,000.00	4,061,000.00	129,000.00	8,415,000.00	3,297,576.00	861,397.00	3,979,223.00	129,621.00	8,267,817.00	3,226,571.00	919,249.00	4,102,571.00	130,146.00	8,378,537.00
VINLEC	72,690.00	56,290.00	6,950.00	2,930.00	138,860.00	74,356.94	55,606.97	6,476.14	1,800.80	138,240.85	75,360.00	59,435.00	6,853.00	1,702.00	143,350.00

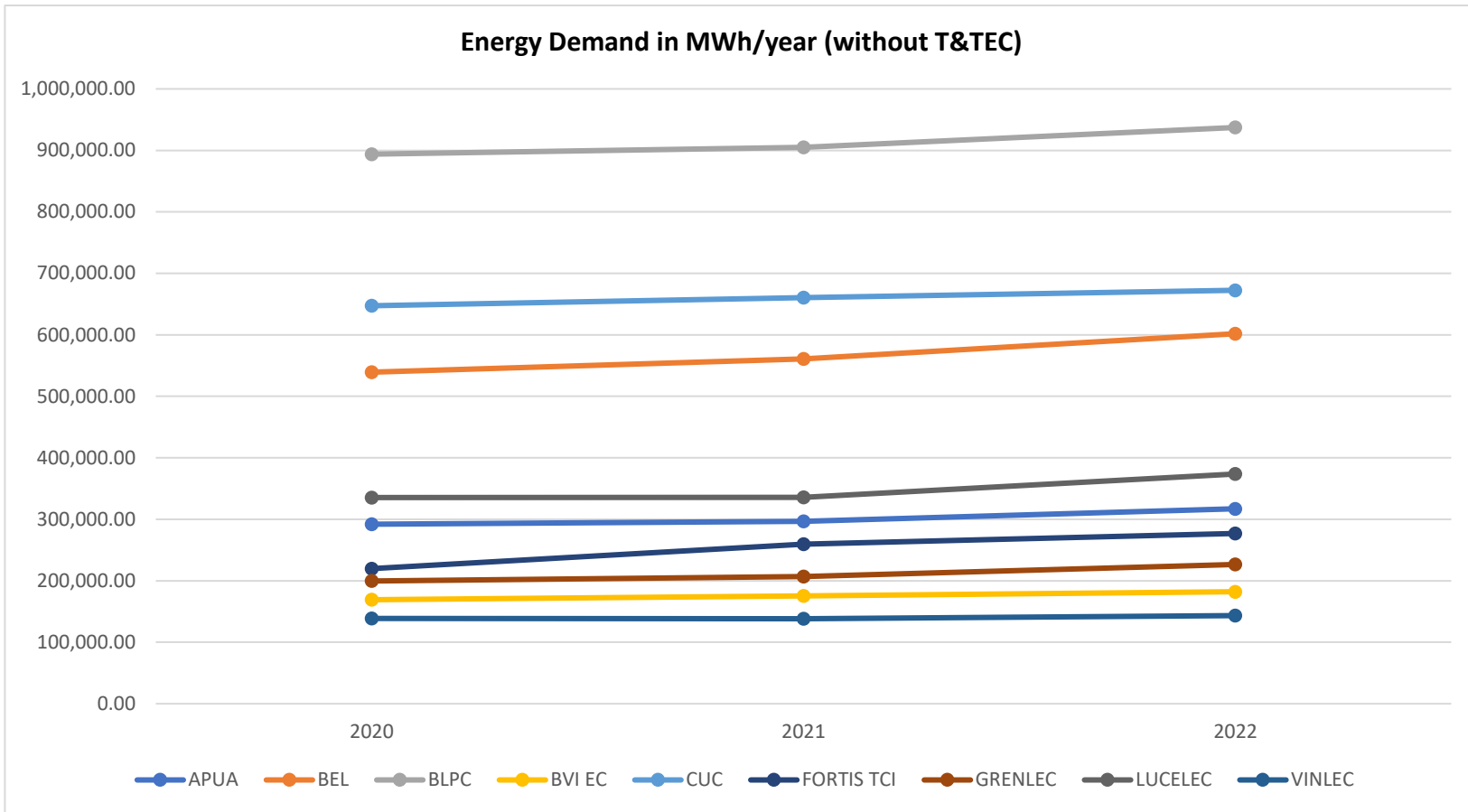


Figure 15: Total Energy Demand (MWh) per Utility for 2020, 2021 and 2022 (without T&TEC)

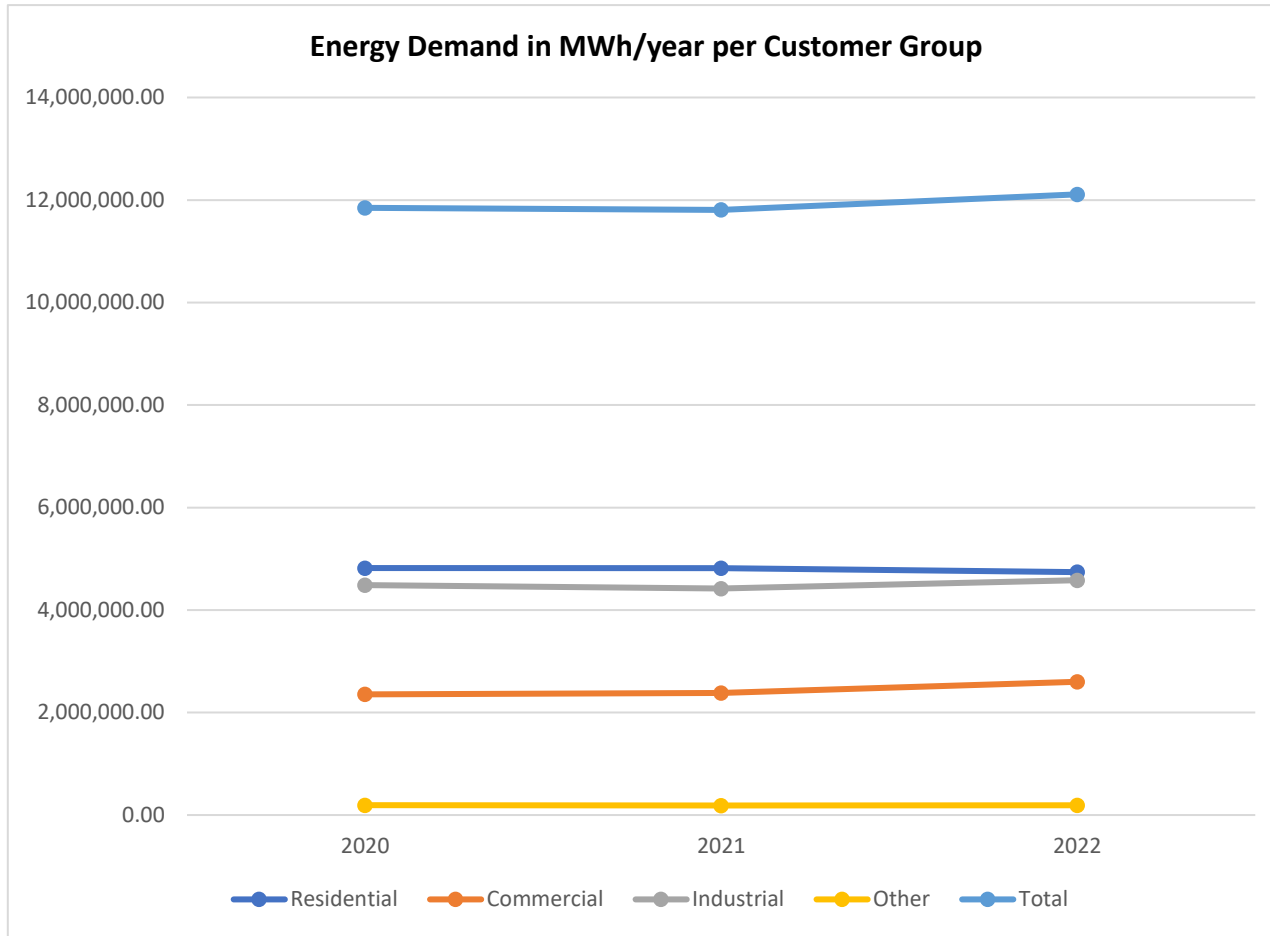


Figure 16: Total Energy Demand (MWh) per Customer Group for 2020, 2021 and 2022