

Republic of the Philippines  
**ENERGY REGULATORY COMMISSION**  
San Miguel Avenue, Pasig City

**PROPOSED METHODOLOGY FOR  
EFFICIENCY BENCHMARKING OF  
PHILIPPINE ELECTRIC  
COOPERATIVES**

**ERC CASE No. 2007- 002 RM**

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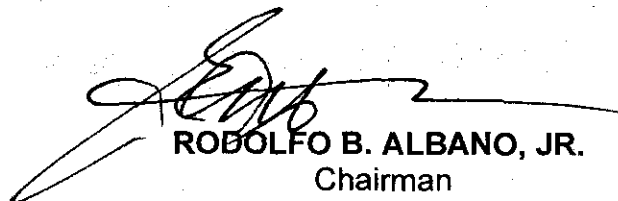
**D O C K E T E D**  
Date: NOV 06 2007  
By: [Signature]

**N O T I C E**

Notice is hereby given that after an initial evaluation of the proposed classification of electric cooperatives, the Commission has resolved to adopt the classification contained in the attached document marked as Annex "A".

Relative thereto, all ECs are hereby directed to submit their respective comments (in both hard and soft copies) on the said classification on or before November 20, 2007. Electronic copies may be sent to [tariffrates@erc.gov.ph](mailto:tariffrates@erc.gov.ph).

Pasig City, November 6, 2007.

  
**ROBOLFO B. ALBANO, JR.**  
Chairman

*[Handwritten mark]*

Copy Furnished:

1. ALL ELECTRIC COOPERATIVES
2. PHILRECA

Republic of the Philippines

Energy Regulatory Commission

1201 Market Street, 15th Floor, Manila, Philippines



Annex A

**Proposed EC Groupings**

**Group A (32)**

	distribu tion cost (P/kwh )	distribu tion line length (ckm)	consu mption (mwh/ custo mer)	proporti on of residen tial sales to total sales in mwh	sales density (mwh per ckm)	proporti on of three- phase line to total line
Samar I Electric Cooperative, Inc.	0.64	938.97	0.93	0.54	30.27	0.47
Kalinga Apayao Electric Cooperative, Inc.	0.63	1,079.9 1	0.65	0.73	11.48	0.39
Southern Leyte Electric Cooperative, Inc.	0.56	1,621.5 2	0.83	0.66	25.91	0.23
Abra Electric Cooperative, Inc.	0.56	1,473.5 8	0.81	0.71	16.27	0.32
Biliran Electric Cooperative, Inc.	0.56	572.91	0.83	0.75	21.60	0.56
Northern Samar Electric Cooperative, Inc.	0.54	1,094.3 5	0.90	0.72	25.26	0.66
Ifugao Electric Cooperative, Inc.	0.52	911.86 3,407.4	0.55	0.64	8.31	0.33
Lanao Norte Electric Cooperative, Inc.	0.52	7	0.88	0.62	12.59	0.14
Surigao Sur I Electric Cooperative, Inc.	0.51	2,040.0 3	0.92	0.58	15.18	0.46
Leyte III Electric Cooperative, Inc.	0.51	953.62	0.70	0.77	16.47	0.27
Camarines Sur I Electric Cooperative, Inc.	0.49	1,727.0 8	0.74	0.62	19.41	0.44
Surigao Sur II Electric Cooperative, Inc.	0.49	1,809.4 5	0.90	0.59	14.79	0.30
Samar II Electric Cooperative, Inc.	0.48	2,091.6 5	0.92	0.66	14.57	0.45
Mountain Province Electric Cooperative, Inc.	0.47	1,809.9 6	0.44	0.62	4.57	0.46
Antique Electric Cooperative, Inc.	0.47	1,940.9 1	0.96	0.73	20.60	0.41
Leyte IV Electric Cooperative, Inc.	0.47	1,009.3 0	0.74	0.63	27.27	0.29

Quezon II Electric Cooperative, Inc.	0.28	800.49	0.86	0.76	18.45	0.43
Isabela II Electric Cooperative, Inc.	0.26	2,440.0	0.96	0.66	30.35	0.33
Guimaras Electric Cooperative, Inc.	0.46	1,066.3	0.80	0.72	11.39	0.23
Don Orestes Romualdez Electric Cooperative, Inc.	0.45	1,286.2	0.77	0.76	20.98	0.30
Camarines Sur IV Electric Cooperative, Inc.	0.45	1,233.5	0.77	0.71	17.32	0.40
Camiguin Electric Cooperative, Inc.	0.42	624.26	0.92	0.64	16.14	0.35
Qurino Electric Cooperative, Inc.	0.42	1,075.0	0.68	0.66	12.98	0.32
South Cotabato II Electric Cooperative, Inc.	0.39	1,310.7	0.73	0.72	18.78	0.43
Siargao Electric Cooperative, Inc.	0.39	531.46	0.54	0.74	12.35	0.39
Aurora Electric Cooperative, Inc.	0.38	1,029.6	0.66	0.74	14.49	0.45
Camarines Sur III Electric Cooperative, Inc.	0.38	1,390.5	0.92	0.69	33.47	0.31
South Cotabato I Electric Cooperative, Inc.	0.36	1,701.7	0.90	0.75	22.98	0.50
Misamis Occidental I Electric Cooperative, Inc.	0.34	1,215.9	0.95	0.59	22.61	0.24
Bohol II Electric Cooperative, Inc.	0.34	2,543.5	0.63	0.64	15.24	0.26
Eastern Samar Electric Cooperative, Inc.	0.33	1,110.5	0.90	0.75	23.72	0.60
Cagayan II Electric Cooperative, Inc.	0.31	2,797.9	0.79	0.75	17.17	0.38

**Group B (53)**

	distribut ion cost (P/kwh)	distribut ion line length (ckm)	consu mption (mwh/c ustome r)	proporti on of residenti al sales to total sales in mwh	sales density (mwh per ckm)	proporti on of three- phase line to total line
Bohol I Electric Cooperative, Inc.	0.67	3,821.64	1.02	0.56	15.87	0.24
Zamboanga Sur II Electric Cooperative, Inc.	0.31	2,376.77	1.04	0.51	22.98	0.21
Bukidnon I Electric Cooperative, Inc.	0.21	3,484.57	1.07	0.47	21.15	0.23
La Union Electric Cooperative, Inc.	0.41	2,282.27	1.07	0.70	43.62	0.24
Quezon I Electric Cooperative, Inc.	0.46	2,620.43	1.08	0.69	40.61	0.55
Tarlac I Electric Cooperative, Inc.	0.35	2,421.82	1.08	0.71	43.80	0.26
Pangasinan I Electric Cooperative, Inc.	0.31	2,810.99	1.11	0.68	17.00	0.25
Aklan Electric Cooperative, Inc.	0.38	2,736.31	1.15	0.55	31.07	0.26
Agusan Sur Electric Cooperative, Inc.	0.28	2,984.78	1.15	0.54	16.54	0.24
Nueva Vizcaya Electric Cooperative, Inc.	0.30	3,119.96	1.15	0.67	18.08	0.35
Iloilo III Electric Cooperative, Inc.	0.42	1,381.05	1.16	0.70	24.06	0.42
Capiz Electric Cooperative, Inc.	0.39	3,373.17	1.18	0.59	30.95	0.34
Central Pangasinan Electric Cooperative, Inc.	0.16	3,739.88	1.18	0.76	41.76	0.23
Negros Oriental I Electric Cooperative, Inc.	0.35	1,876.54	1.19	0.59	15.18	0.33
Iloilo II Electric Cooperative, Inc.	0.34	2,805.53	1.20	0.71	22.90	0.26
Ilocos Sur Electric Cooperative, Inc.	0.42	2,399.46	1.20	0.70	52.17	0.31
Nueva Ecija II Electric Cooperative, Inc.	0.23	1,660.30	1.22	0.71	44.93	0.38

Camarines Norte Electric Cooperative, Inc.	0.45	4,969.76	1.23	0.63	19.23	0.57
Cebu I Electric Cooperative, Inc.	0.41	2,792.84	1.30	0.53	27.39	0.31
Lanao Sur Electric Cooperative, Inc.	0.19	894.33	1.31	0.78	11.40	0.38
Cagayan I Electric Cooperative, Inc.	0.24	2,153.18	1.31	0.53	44.15	0.38
Davao Oriental Electric Cooperative, Inc.	0.31	2,051.71	1.32	0.42	26.04	0.27
Negros Occidental Electric Cooperative, Inc.	0.27	4,229.31	1.32	0.61	26.18	0.40
Zambales I Electric Cooperative, Inc.	0.35	900.43	1.34	0.68	52.68	0.49
Surigao Norte Electric Cooperative, Inc.	0.25	1,284.43	1.34	0.56	43.75	0.40
Nueva Ecija III Electric Cooperative, Inc.	0.28	1,575.57	1.35	0.71	48.29	0.41
Iloilo I Electric Cooperative, Inc.	0.26	3,126.07	1.35	0.67	32.59	0.28
Ilocos Norte Electric Cooperative, Inc.	0.47	4,813.61	1.36	0.60	29.95	0.23
Pampanga Rural Service Electric Cooperative, Inc.	0.24	304.56	1.37	0.82	58.01	0.29
Nueva Ecija I Electric Cooperative, Inc.	0.29	1,090.01	1.38	0.76	65.85	0.23
Isabela I Electric Cooperative, Inc.	0.26	3,774.37	1.42	0.53	40.99	0.32
Cotabato Electric Cooperative, Inc.	0.26	4,827.30	1.42	0.46	19.32	0.42
First Laguna Electric Cooperative, Inc.	0.32	966.84	1.43	0.76	55.79	0.35
Bukidnon II Electric Cooperative, Inc.	0.20	2,854.84	1.46	0.43	20.07	0.33
Zambales II Electric Cooperative, Inc.	0.46	1,299.77	1.46	0.68	51.11	0.34
Leyte V Electric Cooperative, Inc.	0.23	2,096.27	1.52	0.57	42.02	0.34
Zamboanga Norte Electric Cooperative, Inc.	0.31	4,326.03	1.52	0.60	21.84	0.39
Cebu II Electric Cooperative, Inc.	0.42	3,034.19	1.53	0.44	38.21	0.33

Zamboanga Sur I Electric Cooperative, Inc.	0.37	3,735.55	1.53	0.46	26.24	0.27
Pampanga I Electric Cooperative, Inc.	0.15	973.73	1.53	0.76	97.18	0.45
Albay Electric Cooperative, Inc.	0.16	3,078.38	1.54	0.56	69.34	0.47
Misamis Oriental II Electric Cooperative, Inc.	0.24	2,040.73	1.55	0.45	28.61	0.30
VMC Rural Electric Cooperative, Inc.	0.25	2,832.56	1.55	0.54	33.14	0.47
Maguindanao Electric Cooperative, Inc.	0.21	4,793.27	1.56	0.60	10.47	0.55
Batangas I Electric Cooperative, Inc.	0.34	2,783.73	1.60	0.58	59.00	0.28
Negros Oriental II Electric Cooperative, Inc.	0.21	2,744.44	1.74	0.50	46.15	0.36
Pampanga II Electric Cooperative, Inc.	0.22	1,917.60	1.77	0.74	99.99	0.30
Pangasinan III Electric Cooperative, Inc.	0.26	2,177.73	1.77	0.63	75.93	0.18
Misamis Occidental II Electric Cooperative, Inc.	0.26	1,805.71	1.86	0.46	44.08	0.16
Sultan Kudarat Electric Cooperative, Inc.	0.20	3,001.79	1.87	0.53	26.83	0.30
Tarlac II Electric Cooperative, Inc.	0.18	1,473.82	1.87	0.51	73.61	0.30
Davao Sur Electric Cooperative, Inc.	0.25	2,980.21	1.90	0.44	42.99	0.30
Cebu III Electric Cooperative, Inc.	0.33	1,363.80	1.95	0.33	59.50	0.30

**Group C (8)**

	distribut ion cost (P/kwh)	distribut ion line length (ckm)	consu mption (mwh/c ustome r)	proporti on of residenti al sales to total sales in mwh	sales density (mwh per ckm)	proporti on of three- phase line to total line
San Jose City Electric Cooperative, Inc.	0.29	570.03	2.05	0.49	70.05	0.18
Sorsogon I Electric Cooperative, Inc.	0.26	2,347.79	2.08	0.50	45.96	0.28
Misamis Oriental I Electric, Cooperative, Inc.	0.27	2,244.58	2.12	0.41	32.93	0.31
Peninsula Electric Cooperative, Inc.	0.19	1,808.09	2.13	0.67	109.26	0.35
Davao Norte Electric Cooperative, Inc.	0.20	6,225.56	2.15	0.48	32.98	0.36
Camarines Sur II Electric Cooperative, Inc.	0.32	1,523.53	2.36	0.47	99.53	0.34
Agusan Norte Electric Cooperative, Inc.	0.26	2,654.61	2.52	0.39	73.47	0.28
Benguet Electric Cooperative, Inc.	0.30	3,662.38	2.79	0.51	82.52	0.35

Cooperative, Inc.

0.26

1,808.09

2.13

0.67

109.26

0.35

**Group D (6)**

	distribut ion cost (P/kwh)	distribut ion line length (ckm)	consum ption (mwh/c ustomer)	proporti on of resident ial sales to total sales in mwh	sales density (mwh per ckm)	proporti on of three- phase line to total line
Leyte II Electric Cooperative, Inc.	0.24	805.31	3.13	0.43	148.40	0.31
Central Negros Electric Cooperative, Inc.	0.19	2,962.01	3.59	0.50	130.30	0.43
Zamboanga City Electric Cooperative, Inc.	0.14	1,464.62	4.42	0.37	237.45	0.39
Sorsogon II Electric Cooperative, Inc.	0.14	3,870.44	3.86	0.38	101.22	0.38
Batangas II Electric Cooperative, Inc.	0.13	5,179.70	3.22	0.43	75.88	0.32
Pampanga III Electric Cooperative, Inc.	0.10	1,048.54	3.28	0.40	142.12	0.30

**Group E (21)**

**SPUG**

1. Batanes Electric Cooperative (BATANELCO)
2. Busuanga Island Electric Cooperative (BISELCO)
3. Lubang Island Electric Cooperative (LUBELCO)
4. Marinduque Electric Cooperative (MARELCO)
5. Occidental Mindoro Electric Cooperative (OMEKO)
6. Oriental Mindoro Electric Cooperative (ORMECO)
7. Palawan Electric Cooperative (PALECO)
8. Basilan Electric Cooperative (BASELCO)
9. Cagayan de Sulu Electric Cooperative (CASELCO)
10. Siasi Electric Cooperative (SIASELCO)
11. Sulu Electric Cooperative (SULECO)
12. Tawi-Tawi Electric Cooperative (TAWELCO)
13. Dinagat Island Electric Cooperative (DIELCO)
14. Tablas Island Electric Cooperative (TIELCO)
15. Romblon Electric Cooperative (ROMELCO)
16. First Catanduanes Electric Cooperative (FICELCO)
17. Masbate Electric Cooperative (MASELCO)
18. Ticao Island Electric Cooperative (TISELCO)
19. Bantayan Electric Cooperative (BANELCO)
20. Camotes Island Electric Cooperative (CELCO)
21. Province of Siquijor Electric Cooperative (PROSIELCO)