19th EPIRA Implementation Status Report

(Period Covering April 2011 to October 2011)

Prepared by the Department of Energy

With Contributions from

Energy Regulatory Commission
National Electrification Administration
National Power Corporation
National Transmission Corporation
Philippine Electricity Market Corporation
Power Sector Assets and Liabilities Management Corporation















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I. INTRODUCTION

This report provides the summary update of the developments on the restructuring of the power sector covering the months of April to October 2011. The preparation for the attainment of the retail electricity market has noted significant events such as the Energy Regulatory Commission (ERC) declaring the completion of the pre-requisite relative to the implementation of Retail Competition and Open Access (RCOA). Accordingly, the DOE took the necessary actions to ensure that participants are ready in the eventual implementation.

The report provides a glimpse of the continuing implementation of the Luzon-Visayas integrated electricity market while some updates on new market developments were tackled to include the study on the establishment of the Independent Market Operator.

Electricity supply-demand highlights the status for the period January to June 2011. On the other hand, monitoring of market share shows significant transition to private sector ownership of the installed capacity in particular to Luzon and Visayas grids. With respect to privatization of remaining NPC assets and contracts, no significant developments were noted though PSALM continued to work on the requirements to continue the privatization in accordance with its mandate.

II. PRIVATIZATION

For this report period, activities in the privatization of NPC/PSALM generating assets and Independent Power Producer (IPP) contracts were deferred with the new administration's call for a review of the privatization plan and the need to address the seasonal supply interruptions. However, developments pertaining to PSALM's continuing activity for the completion of the remaining legal, financial and technical requirements for the smooth turn-over of the privatized power plants and IPP contracts are hereunder enumerated and discussed:

A. Privatization of Generating Assets

For the second semester of 2011, the government's privatization program for the remaining assets, i.e., generating assets and contracted capacities of IPPs, pursued in accordance with the PSALM Board's approved timetable and the direction set by the DOE consistent with the Energy Reform Agenda. Hence, the bidding process commenced in July 2011.

B. Remaining Assets for Privatization

The remaining assets for privatization are shown in Table 1 with the indicative privatization schedule as approved by the PSALM Board. The privatization of the remaining assets will continue depending on the policy direction to be set by the administration consistent with the Energy Reform Agenda, with the concurrence of the Joint Congressional Power Commission. However, the confluence of factors such as investors' interest and plant-specific concerns may cause possible changes in the target dates.

Table 1. Remaining Assets for Privatization

Plant Name	Rated Capacity (MW)	Bid Date	Turn Over Date
Owned Generating Plants			
Luzon Grid			
Malaya	650.00	2012	2013
Sub-total Luzon	650.00		

Plant Name	Rated Capacity (MW)	Bid Date	Turn Over Date	
Visayas Grid				
PB 101	32.00	Bidding process st	tarts in July 2011	
PB 102	32.00	subject to comp	letion of bidding	
PB 103	32.00	documents		
Sub-total Visayas	96.00			
Mindanao Grid				
PB 104	32.00	Bidding process starts in July 201 subject to completion of biddin documents		
Agus 1 & 2	260.00			
Agus 4& 5	213.00			
Agus 6 & 7	254.00	2014-2015	2015-2016	
Pulangui	255.00			
Sub-total Mindanao	1,014.10			
TOTAL	1,760.10			
Decommissioned Plants				
Bataan Thermal	0.01	December 2011	October 2012	
Sucat	0.01	February 2017	December 2017	

Source: PSALM

Agus-Pulangui

PSALM, having signed the Operation and Maintenance Agreement with NPC, shall fund the rehabilitation of the Agus-Pulangui hydropower plant complexes. Said fund may either be sourced out from the income of power plant operations or through financing scheme.

• Power Barges (PB) 101 to 104

The NPC bought the Power Barges (PB) 101, 102, 103 and 104 from a Japanese firm, Hitachi Zosen Corporation, to help ease severe power shortage in the Philippines, providing the required support in the Visayas and Mindanao regions. Commissioned in 1981, PB 101 and PB 102 are currently tied-up in Barrio Obrero, Iloilo City. PB 103 and 104, which were commissioned in 1985, are moored in Botongon, Estancia, Iloilo, and in Holcim Compound, Ilang, Davao City, respectively.

These barges are movable and can be relocated anywhere with adequate mooring structures. Designed as base-load plants, PB 101, 102, 103 and 104 are nominal 32 MW barge-mounted bunker-fired diesel generating power stations that consist of four (4) identical Hitachi-Sulzer diesel generator units rated at 8 MW each.

The privatization of PB 101 to 104 is set by PSALM to commence before the year ends. The sale of these power barges has been approved by the PSALM Board provided that said barges shall be transferred to Mindanao to augment its power supply but only after the power situation in the Visayas region has been stabilized.

C. Privatization Proceeds

As of 31 October 2011, the generated proceeds of PSALM amounted to US10.210 Billion. Table 2 indicates the sources of the privatization proceeds, namely: generating assets;

decommissioned plants; transmission asset; and appointment of IPP Administrators. Total actual collection as of the same date amounts to US\$5.272 Billion. PSALM generated most of the proceeds from the transmission assets but collected the most from generating assets.

Table 2. Generated and Collected Proceeds of Privatization

Privatization Proceeds (In US\$Billion)	Generated	Collected
Generating Assets	3.027	3.064
Decommissioned Plants	0.004	0.004
Transmission Asset (TransCo)	3.950	1.765
Appointment of IPPAs	3.229	0.439
TOTAL	10.210	5.272

Source: PSALM

Out of the total collected amount, Table 3 confirms that about ninety-eight percent (98%) of it has been utilized for the prepayment of NPC loans, debt service of NPC regular loans as well as IPP obligations and payment of privatization-related expenses.

Table 3. Utilization of Privatization Proceeds

Privatization Proceeds UTILIZED	In US\$ Billion
Debt Prepayment	1.298
Regular Debt Service	2.411
Lease Obligations	1.398
Others	0.052
TOTAL	5.159

Source: PSALM

D. Transfer of NPC-IPP to Independent Administrators

Table 4 shows the indicative schedule for the appointment of an IPP Administrator in the remaining NPC-IPP contract in Luzon, Visayas and Mindanao Grids. The bidding process in the Visayas Grid started in July 2011 for the contracted energy with Unified Leyte and Naga Complexes.

Table 4. Indicative Schedule for Appointment of IPP Administrator

Plant Name	Contracted Capacity (MW)	Bid Date	Turn Over Date	
Luzon Grid				
CASECNAN MULTI-PURPOSE	140.00	20	12	
Sub-total Luzon	140.00			
Visayas Grid		20	12	
Unified Leyte	559.00	Bidding process	starts July 2011	
CEBU THERMAL 1 & 2	95.80			
CEBU DIESEL (1-6)	36.00			
Sub-total Visayas	690.80			
Mindanao Grid				
MT. APO GEOTHERMAL PP	44.52			
WMPC DIESEL PP	100.00			
SPPC DIESEL PP	50.00	2014		
MT. APO 2 GEOTHERMAL	48.00			
MINDANAO COAL-FIRED PP	200.00			
Sub-total Mindanao	442.52			
Total Luz-Vis-Min	1,273.32			

Source: PSALM

• Naga Complex Power Plants

PSALM deferred its bidding process in the Naga Complex Power Plants for the appointment of the IPP administrators which was initially set on 10 October 2011. This is due to some critical issues integrated in the privatization design of the said plants that need to be addressed first as requested by the JCPC. The postponement gave way to the conduct of in-depth study and analysis on bidding practices, specifically the alleged unfair and illegal condition known as the 'right to top' the highest bid previously granted to SPC Power Corporation (SPC) in the Land Lease Agreement executed by and among PSALM, NPC and SPC in 2009.

The Naga Complex comprises the 106.8MW Naga 1 and 2 coal thermal power plants and the 39MW Naga diesel power plant located in Naga, Cebu. These plants are under a Rehabilitate-Operate-Maintain-and-Manage Agreement / Energy Conversion Agreement with Korea Electric Power Corporation (KEPCO) Salcon Philippines which will expire in March 2012.

Casecnan

PSALM is also lining up this year the privatization of the power supply agreement for the 150MW Casecnan hydropower facility. The Casecnan Project, a combined irrigation and hydroelectric power project in the northern part of Luzon, is the first multi-purpose Build-Operate-and Transfer project in the Philippines. However, there is one major hitch – the facility's ownership may still revert to the government through the National Irrigation Administration (NIA).

• Unified Leyte

PSALM is likewise planning to sell the contracted capacity of the 640MW Unified Leyte geothermal power plants in tranches this year. But its supply contract has been proposed for "splitting" the capacities due to the concern of investors on the market cap for the Visayas. In order not to violate the market cap provisions under the Electric Power Industry Reform Act (EPIRA), the bidding rules has indicated that capacities will be divided at 60 - 40, which means that the capacities will bid out at 384 MW and 255 MW, respectively.

Four (4) investor groups have signified interest when the government announced in June last year the resumption for the bidding of the contracted capacity of the Unified Leyte geothermal power plants. However, the bidding was postponed in line with the government's deferment of the privatization process.

E. Concession of the National Transmission Network

The Concession Agreement provides that TransCo has to conduct inspection of the assets condition and the Projects Under Construction (PUC) accomplishments consistent with the inspection protocol established with the concessionaire.

For February to October 2011, TransCo was able to inspect ten (10) PUCs, two (2) New Projects and sixteen (16) transmission facilities. The details of which, i.e. name of project/transmission facility, its location, date of inspection and the inspection report number, are provided in *Annex 1*.

All the inspection reports were forwarded to the concessionaire for their appropriate action.

F. Sale of Sub-Transmission Assets (STAs)

As of 31 October 2011, TransCo has signed eighty-four (84) sale contracts amounting to about P4.09 billion with sixty-six (66) distribution utilities/electric cooperatives (ECs) /consortia. These sales cover an aggregate length of about 3,323 ckt-kms of subtransmission lines and 30,200 sub-transmission structures. Out of the 84 sale contracts, forty-three (43) of them, with the total sale price of P2.08 billion, have been approved by the ERC. The forty-one (41) sale contracts are still for ERC filing, evaluation or approval.

Consistent with the EPIRA provision to extend concessional financing to ECs, TransCo implemented the lease purchase arrangements with a 20-year term. Of the 84 sale contracts already signed, fifty-four (54) of which are under the lease purchase agreements with 50 ECs/consortia, valued at about P2.9 billion. The remaining thirty (30) contracts involved sales to private distribution utilities.

TransCo is looking forward to a sale of about 800 ckt-kms of sub-transmission lines and 560 MVA of substation equipment among the thirty-three (33) interested distribution utilities/consortia for the next four years.

III. ELECTRICITY RATES

The DOE continuously monitors data on electricity rates to provide the JCPC and the public an idea of what is the latest information on electricity rates. This section considers the reports submitted by the ERC and also the data and information gathered by the DOE from various sources to fully substantiate and provide the JCPC with significant updates to serve as reference in identifying areas that may require legislative actions.

A. PSALM/NPC Effective and Basic Generation Charges

PSALM/NPC is continuously implementing the March 2009 provisionally approved Basic Generation Charges (BGC) pending ERC decision on the proposed Asset Valuation Guidelines. Meanwhile, the NPC Average Effective Rate for the report period is summarized in Table 5 below.

NPC Effective Generation Charges (EGC) for the billing months May 2011 to October 2011 in Mindanao increased by PhP0.02540/ kWh, while for Luzon and Visayas, the NPC-EGC declined by PhP0.0074/kWh and PhP0.0228/kWh respectively as reduction to its DAA-ICERA.

Table 5. NPC Effective Generation Charges (PhP/kWh)

Billing Month	Billing Period	Luzon	Visayas	Mindanao
May 2011	26 April 2011 - 25 May 2011	5.0179	4.0971	2.6739
June 2011	26 May 2011 - 25 June 2011	5.0196	4.0953	2.6745
July 2011	26 June 2011 - 25 July 2011	5.0140	4.0976	2.6742
August 2011	26 July 2011 - 25 August 2011	5.0056	4.0726	2.6719
September 2011	26 August 2011 - 25 September 2011	5.0154	4.0768	2.9286
October 2011	26 September 2011 - 25 October 2011	5.0105	4.0743	2.9279

Source: NPC

Relative to the pending NPC petition for the recovery of its costs under the deferred accounting adjustments, ERC issued its decision on 15 November 2010, on the 9th to 14th Incremental Costs on Foreign Currency Exchange Rate (ICERA) Fluctuation covering the test period January 2007 to June 2009. The said decision approved for refund adjustments to Luzon and Mindanao customers while a recovery was approved for Visayas grid.

PSALM through its letter dated 05 May 2011 sent to the ERC and NPC the notice to cease implementation of the said refund for certain customers effective 26 March-25 April billing period since the said costs/charges was already exhausted.

B. Transmission Rates

Following are the developments on the transmission rates charges imposed by the NGCP as approved by the ERC:

1. Maximum Annual Revenue Approval (MAR)

Under the Financial Determination (FD) for the Third Regulatory Period, ERC approved the Unsmoothed and Smoothed MAR (SMAR). The Smoothed MAR was based on the three percent (3%) Efficiency Factor which will be used in translating the ARR to the annual effective MAR for each of the regulatory year of the Third Regulatory Period. This annual rate translation of the maximum transmission wheeling rates should be determined in accordance with the timetable and process specified under Article VI of the RTWR. Likewise, the revenue cap form of price control for the Third Regulatory Period provided in Article V of the RTWR shall be continuously applied.

On 04 July 2011, the Commission approved NGCP's Maximum Annual Revenue (MAR) for the calendar year 2011 in the amount of PhP44,889.03 million which was PhP1,395.71 million lower than the provisionally approved amount of PhP46,284.74 million last 17 January 2011 and Performance Incentive Scheme (PIS) in the amount of PhP322.00 million.

The difference was mainly due to the computation of the MAR 2010. NGCP proposed a MAR 2010 equal to the gross effective MAR 2010 while the Commission used the adjusted MAR to account for the initial price correction factor (Po) amounting to PhP1.435 billion as starting point for the smoothing process.

As discussed in the FD, the revenue smoothing is undertaken to reduce the likelihood of price shocks to customers and revenue shocks to the Regulated Entity. The objective of the process for smoothing revenue is to achieve a revenue path whereby the net present value (NPV) of the smoothed revenue path is equal to the NPV of the MAR at the end of 2010, including of any revenue adjustment that was applied in 2010.

The PIS rewards or penalizes NGCP to the extent that the actual level of performance of the grid for the regulatory year exceeds or falls below the target level of performance as defined in the Final Determination (FD). The commission found the computed PIS of PhP322 million for NGCP which is consistent with the provisions of the RTWR which is below the maximum reward of Php1,322.37 million as defined in Clause 1.7, Chapter 1 of the FD.

C. Distribution Utilities (DUs) Rates

The following discussions provide updates on the electricity rates for the month of May to October 2011 as well as related developments on regulatory actions, with rate cases being under the exclusive jurisdiction of the ERC.

1. Average Effective Electricity Rates

The country's average electricity rates rate as of October 2011 is PhP7.9653/kWh, PhP0.3864/kWh lower compared with the June 2011 average systems rate. Among the three major grids, Luzon has the highest rate of PhP8.4300/kWh while Mindanao remains the lowest at PhP6.1131/kWh for October 2011.

Table 6. Average Systems Rates, June vs October 2011(PhP/kWh)

Grid Electric Cooperatives			atives	Private D	Distribution	Utilities	National Average		
GHU	June	October	Change	June	October	Change	June	October	Change
Luzon	9.3293	8.2594	-1.0699	8.8427	8.6006	-0.2421	9.0860	8.4300	-0.6560
Visayas	8.1718	8.0900	-0.0818	7.4332	7.9130	0.4798	7.8025	8.0015	0.1990
Mindanao	6.1715	5.9519	-0.2196	6.3158	6.2743	-0.0415	6.2437	6.1131	-0.1306
Philippines	8.1408	7.4561	-0.6847	8.5626	8.4745	-0.0881	8.3517	7.9653	-0.3864

Sources: : ECs - NEA's Quarterly Unbundled Power Rate Schedules

PDUs -Monthly Operations Report

The ECs' national unbundled electricity rate for September 2011 is PhP8.9377/kWh, a decrease of PhP0.1850/kWh from the June 2011 level. Generation costs comprised 47 percent of ECs' national average effective electricity rates followed by distribution costs share of 24 percent of the total. The largest reduction in ECs' rates was noted in the Luzon grid at PhP9.3293/kWh in June 2011 to PhP8.2594/kWh in October 2011. Mindanao however, posted the lowest generation costs at PhP2.9009/kWh comprising only 40 percent of the unbundled residential electricity rates.

Table 7. EC's Unbundled Average Effective Residential Electricity Rates, September 2011 (PhP/kWh)

D	LUZON		VISAYAS		MINDANAO		NATIONAL	
Bill Subgroup	PhP/kWh	Percent share	PhP/kWh	Percent share	PhP/kWh	Percent share	PhP/kWh	Percent share
Generation	4.8264	48.60	4.8864	50.94	2.9009	39.80	4.2046	47.04
Transmission	1.1319	11.40	0.9885	10.31	1.4639	20.08	1.1948	13.37
System Loss	0.8392	8.45	0.7652	7.98	0.5377	7.38	0.7140	7.99
Distribution *	2.2383	22.54	2.2033	22.97	1.9203	26.34	2.1206	23.73
Subsidies	0.0684	0.69	0.0395	0.41	0.0573	0.79	0.0551	0.62
Government Taxes	0.8275	8.32	0.7093	7.39	0.4091	5.61	0.6486	7.25
Total	9.9317	100.00	9.5922	100.00	7.2892	100.00	8.9377	100.00

Source: NEA

* Includes Distribution, Supply and Metering Charges

Source: ECs' submission of their unbundled effective rates to NEA

The national average systems rates of private distribution utilities (PDUs) decreased by PhP0.0881/kWh from PhP8.5626/kWh in June 2011 to PhP8.4745/kWh in October

2011 however there is an increase of PhP0.4798 in the Visayas grid. Among the PDUs, Manila Electric Company (MERALCO) has the highest average effective rate for the residential customers at PhP10.5705/kWh for the billing period October 2011. On the other hand, Iligan Light & Power, Inc. (ILPI) remains to have the lowest average effective residential rates at PhP5.6346/kWh for the same billing period.

Table 8. PDUs Average Effective Rates (AER), October 2011 (PhP/kWh)

PDU	Residential	Commercial	Industrial	Average
Luzon Grid Average	10.4189	9.3571	7.5053	8.6006
MERALCO	10.5705	9.4091	7.5099	8.6273
DECORP	8.3844	8.1117	7.9401	8.2216
LUECO	8.1365	8.7401	8.8447	8.4167
AEC	8.1323	8.6216	11.5725	8.4160
CELCOR	9.4557	9.1799	8.9517	9.3071
SFELAPCO	7.5842	7.9245	6.4585	7.1987
TEI	8.8055	8.1111	7.2721	8.1830
IEEC	8.7126	7.4516	7.4677	8.2483
Visayas Grid Average	8.0300	8.7412	7.5641	7.9130
PECO	9.4167	9.1643	9.3180	9.1406
MECO	7.3134	7.2902	8.0051	7.4829
VECO	8.0103	9.2121	7.3108	7.8450
BLCI	5.5640	5.3387	-	5.4069
Mindanao Grid Average	6.6356	6.5339	5.8478	6.2743
CEPALCO	7.2350	6.7111	5.8566	6.4453
DALIGHT*	6.1413	6.4847	5.4324	5.7950
COLIGHT	6.2634	6.7161	5.8533	6.1678
ILPI	5.6346	5.8487	5.6636	5.7106
National Average	10.1120	9.2745	7.4580	8.4745

Source: PDUs -Monthly Operations Report

Note: Based on Monthly Operations Report submitted by Private DUs (AER = Revenue over Sales)

*September 2011 data

For October 2011 billing, MERALCO's effective residential rates for the different residential customer classes ranged from PhP10.2588/kWh to PhP11.6930/kWh of which the highest component was generation costs at PhP5.4202/kWh. Meanwhile, MERALCO distribution charges for its different residential customer classes comprised 19 percent to 28 percent of the total effective residential rates equivalent to PhP1.9417/kWh and PhP3.2235/kWh, respectively.

Table 9. Summary of MERALCO Residential Unbundled Power Rates, October 2011

BILL SUBGROUP	0 to 200 kWh (P/kWh)	%	201 to 300 kWh (P/kWh)	%	301 to 400 kWh (P/kWh)	%	Over 400kWh (P/kWh)	%
Generation	5.4202	53	5.4202	51	5.4202	49	5.4202	46
Transmission	1.0481	10	1.0481	10	1.0481	9	1.0481	9
System Loss	0.6501	6	0.6501	6	0.6501	6	0.6501	6
Distribution	1.9417	19	2.2990	22	2.6362	24	3.2235	28
Subsidies*	0.1349	1	0.1349	1	0.1349	1	0.1349	1
Universal Charge	0.1188	1	0.1188	1	0.1188	1	0.1188	1
Government								
Taxes	0.9450	9	0.9851	9	1.0250	9	1.0974	9
TOTAL**	10.2588	100	10.6562	100	11.0333	100	11.6930	100

Source: MERALCO Website

^{*} Lifeline Rate Charges (applicable to 101 kWh consumption and up) + Cross Subsidy Charge

2. Regulatory Actions

The following report on regulatory actions on electricity rates are based on ERC issuances as gathered in the ERC website.

a. Generation

• On June 9, 2011, First Bay Power Corporation (FBPC) and AP Renewables, Inc. (APRI) jointly filed Motion for Reconsideration (of the January 24, 2011 ERC Decision) on the approval of the power supply agreement (PSA) between FBPC and APRI. On the said Decision (24 January 2011), ERC considered and approved the provisional authority on the average generation rate requested by FBPC & APRI in the amount of PhP3.7772/kWh. Unfortunately, the said amount is much lower than the generation rate agreed upon in the PSA between FBPC and APRI, thus the said joint motion for reconsideration.

FBPC and APRI provided the Commission various discussions/considerations i.e. indicative price (increase) structure of generation costs as of April 2011. Likewise, it was also cited the issue on the reasonableness of the PSA price, and APRI manifests to consider other factors affecting base generation rate; The Commission after thorough discussion granted APRI a Capital Cost Recovery Fee (CCRF) of 2.5356/kWh; WACC of 15.26%; Plant Operation and Maintenance Cost (0&M) of P1.8971/kWh; and General and Administrative Expenses (G&A Expenses) of P0.8212/kWh.

The table below shows a comparison of the Commission's recalculated Base Generation Rate, APRI's Computed Base Generation Rate and APRI's Proposed PSA Rate:

Table 10. Total Base Generation Rate

Particulars	Commission's Recalculated Base Generation Rate (P/kWh)	APRI's Computed Base Generation Rate (PhP/kWh)	APRI's PSA Rate (PhP/kWh)	
CCRF	2.5356	2.9376	-	
Plant O&M Costs	1.8971	2.0205	-	
Plant G & A Expenses	0.2812	0.2812	-	
	4.7139	5.2393	4.2096*	

Source: ERC Website

Note: *Weighted Average Time-of-Use (TOU) Rate for the Billing Month June 2010. For December 2010, APRI's Weighted Average TOU Rate was PhP3.9496/kWh

The Commission's recalculated Base Generation Rate, a lower by approximately PhP0.5254/kWh compared to APRI's computed Base Generation Rate. However, the recalculated Base Generation Rate is higher than APRI's Proposed PSA Rate by approximately PhP0.5043/kWh. This being the case, the Commission deems it prudent to peg the Base Generation Rate at APRI's proposed PSA Rate of PhP4.2096/kWh.

b. Transmission

• The ERC on its decision on ERC Case No. 2008-041 RC dated May 16, 2011, on the application for approval of the Ancillary Services Procurement Agreement (ASPA) between TRANSCO and NPC approved and authorized to recover the cost relative to the ASPA for the period June 23, 2008 to June 23, 2009 with the following formula and rates:

Total Cost of Ancillary Services (AS) = Capacity Cost + Energy Cost - Energy Cost Adjustment

Where:

Capacity Cost per Month = $\sum (kW \text{ as scheduled } x \text{ hours per month}) x$

Capacity Fee

Energy Cost per Month = kWh registered x the contracted Energy

Fee + AFC3

kWh registered (adjusted by applicable

Energy Cost Adjustments = loss factor) x ERC-approved NPC

Visayas Grid rate

Capacity Fee = 5.6204 PhP/kW (per hour) Energy Fee = 9.5040 PhP/kWh (per month) Fuel Rate = 0.264 liter/kWh at 33% load factor

On July 14, 2011 the ERC on its decision to ERC Case No. 2010-152 RC regarding the application of the National Grid Corporation (NGCP) for the approval of the Maximum Allowable Revenue (MAR) for calendar year 2011 and Performance Incentive Scheme (PIS) in compliance with the alternative form of rate setting methodology under the Rules for Setting Transmission Wheeling Rates (RTWR) under the following effective MAR:

Table 11. Effective Maximum Allowable Revenue (MAR) 2011 (In PhP Million)

Particulars	Effective MAR 2011 (PhP, Million)	
MAR	44,889.03	
PIS	322.00	
TOTA	L 45,211.03	

Source: NGCP Website

The said MAR 2011 of PhP45.2 Billion is lower by PhP1.40 Billion compared to the provisionally approved MAR2011 of PhP46.6 billion.

c. Private Distribution Utilities (PDUs)

The ERC continued to adopt phased implementation of Performance-Base Rate Methodology for PDUs to Rules for Setting Distribution Wheeling Rates (RDWR).

Following are the updates:

1st Entry Group (MERALCO, DECORP, CEPALCO)

The PDUs under the 1st Entry Group have entered their 3rd Regulatory Period (July 1, 2011 to June 30, 2015). On various dates in June 2011, the ERC have already issued the Final Determination on their Annual Revenue Requirement (ARR) and Performance Incentive Scheme (PIS).

The ERC has yet to approve the applications for rate translation for the DUs under this group.

2nd Entry Group (MECO, ILPI,CLPC)

On February and June 2010, the ERC approved the rate translation for the 2^{nd} Entry Group. The following are the approved rates:

Table 12. Status of 2nd Entry Group PDUs Rate Application to ERC

	Cora Namahara	D l - t	RY 2009 Rate (PhP/kWh)				
DU	Case Number/ Date of Filing	Regulatory Year	Previous Rates	ERC Approved	Proposed Rates (RY 2011)	Difference	Status
МЕСО	2010-154 RC/ 17-Dec-2010	2009-2013	1.0149	1.0839	1.0891	0.0052	Final Decision issued by ERC on Feb. 28, 2011.
ILPI	2010-153 RC 21-DEC-2010	2009-2013	1.1256	1.3669	1.3696	0.0027	Final Decision issued by ERC on June 21, 2011.
CLPC	2009-178 RC	2009-2013	1.3189	1.5056	1.7620	0.2564	Final Decision issued by ERC on Feb. 22, 2010.

Source: ERC

d. Electric Cooperatives

1) On-Grid Electric Cooperatives

In preparation for the implementation of the revised Tariff Glide Path, pursuant to Article 7 (Tariff Glide Path Provision) of the Rules for Setting the Electric Cooperatives' Wheeling Rates (RSEC-WR), the ERC conducted training on 8-9 June 2011. The participants included the General Managers, Finance Managers and the Technical Services Division (TSD) Managers of each Electric Cooperative.

The RSEC-WR TGP governs the movement of the initial tariffs caps which refer to the maximum rates for Distribution, Supply, and Metering. It includes the (1) escalation factor that will be used in adjusting the rates to reflect the combined impact of inflation and load growth; (2) efficiency factor to account for the operational efficiency of the ECs in setting their rates; and (3) performance incentive that will either reward or penalize the EC for performing above or below the performance standard.

Under the revised TGP Rules, the Regulatory Period will now be six (6) years and will impact the rates by the 4th year of the First Regulatory Period. The implementation of the TGP will be done by batch as arranged into three (3) Entry Groups (1st, 2nd, and 3rd Entrants). The filing for the rate adjustment resulting

from the TGP implementation will be done on the 3rd year of the First Regulatory Period. The Reset Process from the TGP implementation for data collection will be in 2011 to 2014 and the new classification will be effective in 2017.

In another development, on July 6, 2011, the ERC issued Resolution No. 14, series of 2011, "A Resolution Modifying the Terms Members' Contribution for Capital Expenditures (MCC) to Reinvestment Fund for Sustainable Capital Expenditures (RFSC) and MCC-Real Property Tax (RPT) to Provision for RPT as Provided in the Rules for Setting Electric Cooperatives' Wheeling Rates (RSEC-WR)".

The move is due to the diverging interpretations of the MCC interpreting it as a capital build-up or compulsory "capital contributions" from member-consumers. The Resolution therefore clarified that the intent of the RSEC-WR in translating Reinvestment Fund into MCC is to recognize that fact that the said MCC Charge indeed represents contributions from the member-consumers for the expansion, rehabilitation and upgrading of the ECs' distribution system which should be reflected in their bills for greater transparency.

2) Off-Grid Electric Cooperatives

The Public Consultations for the Issues Paper on the Proposed Alternative Regulatory Framework for Electric Cooperatives (ECs) Servicing Off-Grid Areas was conducted on May 30, 2011 for Luzon stakeholders and June 1, 2011 for the Visayas and Mindanao stakeholders.

The Issues Paper aims to implement a more responsive regulatory framework to the operations of off-grid ECs considering the challenges they face in servicing isolated and sparsely populated areas. The Issues Paper will be used to analyze selected financial parameters which can provide basis on determining appropriate regulatory framework for off-grid ECs.

C. Administration of Universal Charge (UC)

This section provides development on the implementation of UC pursuant to *Section 34 of the EPIRA*. Highlights include status of collection and disbursements, updates on PSALM's application for the recovery of stranded contract costs and stranded debts, and the implementation of UC collection from self-generating facilities.

1. Total Collections/Disbursements for UC-ME and UC-EWR

Total collections/remittances to PSALM as of 30 October 2011 amounted to PhP19.236 billion. Out of this amount, PhP18.602 billion was disbursed by PSALM to NPC-SPUG and NPC for missionary electrification and for environment or watershed rehabilitation, in accordance with the provisions of the EPIRA. As of report period, total interest earnings

Table 13. UC Collections & Disbursements, as of 31 October 2011 (In Billion Php)

1111)							
Particulars	Collections/ Remittances	Interests Disbursements		Balances			
Missionary Electrification	18.238	0.043	18.263	0.018			
Environmental Charge	0.998	0.058	0.339	0.717			
Total:	19.236	0.101	18.602	0.735			

Source: PSALM

from deposits and placements of UCfunds amounted to Php0.101 billion. This leaves the UC fund with a balance of about Php0.735 billion as of 30 September 2011.

For the period January to October 2011, PSALM received a total of Php1.892 billion in UC remittances from collecting entities, and disbursed to NPC-SPUG the total amount of Php1.936 billion for missionary electrification. The monthly breakdown of the collections and disbursements are provided in Table 14.

Table 14. UC Collections and Disbursements for the Period January -September 2011 (In Billion PhP)

Month	UC – ME	UC – EWR	Total	UC-ME Disbursements
January	0.242	0.012	0.254	0.289
February	0.204	0.010	0.214	0.204
March	0.172	0.010	0.182	0.179
April	0.197	0.012	0.209	0.190
May	0.173	0.010	0.183	0.165
June	0.194	0.012	0.206	0.205
July	0.200	0.012	0.212	0.203
August	0.082	0.012	0.094	0.078
September	0.086	0.012	0.098	0.085
October	0.343	0.013	0.356	0.338
Total	1.892	0.116	2.008	1.936

Source: PSALM

Disbursement of UC-EC to NPC is currently on hold pending ERC approval on the petition for watershed rehabilitation and management.

2. UC for Stranded Contract Costs (SCC) and Stranded Debts (SD)

Pursuant to EPIRA, the Petitions for the UC on SD and SCC were filed by PSALM before the ERC on 28 June 2011. SCC refers to the "excess of contracted cost of electricity under eligible contracts over the actual selling price of the contracted energy output of such contracts in the market". SD on the other hand is calculated as the total debt service net of privatization proceeds and of the PhP200-billion debt of the National Power Corporation absorbed by the government.

As of December 31, 2010, the actual aggregate eligible contract cost of obligations of NPC amounted to PhP74.298 million for the periods covering CY2007 to CY2010 while NPC Stranded Debts amounted to PhP65.019 million.

PSALM determined the final amounts for the UC-SD at PhP0.313 per kWh to be collected over a fifteen-year recovery period and UC-SCC at PhP0.3666 per kWh to be collected over a four-year period in accordance with the revised guidelines issued by the ERC. Hearings for the petitions were conducted in 5-6, 26 and 28 September 2011.

Following this, PSALM received proposals by some lawmakers to withdraw the UC petitions for the recovery of the SD and SCC. Based on the press release, while the matter is yet to be decided by the JCPC, PSALM is extensively studying the implications of such withdrawal.

D. Assumption of Loans of Electric Cooperatives

As of 30 September 2011, PSALM has paid the National Electrification Administration (NEA), Other Government Agencies (OGAs) and Local Government Units (LGUs) the total of PhP12.852 billion for the condonation of the ECs' outstanding financial obligations.

Table 15. Status of Loan as of September 2011 (in Billion PhP)

	Total	Actual Payments	Balance		
	Assumption	Amount	%	Amount	%
NEA	17.978	12.776 1/	71.06	5.202	28.94
LGU/OGA	0.096	0.076 2/	79.17	0.019	19.79
TOTAL	18.074	12.852	71.11	5.221	28.89

¹/With application of the PhP2.215 Billion collection of NEA from ECs amounting to PhP369,652,000.00

²/ Net of discount from the Provincial Government of Palawan amounting to PhP3,725,000.97

Source: PSALM

Of the PhP12.776 billion total payments to NEA as of 30 September 2011, about 75.24% or Php9.612 billion was used to pay the Rural Electrification loans incurred by the ECs, 15.59% of Php1.992 billion was for Mini-hydro loans, 9.10% or Php1.162 billion was for Dendro Thermal loans. Payments intended for house wiring services only amounted to Php9.574 million or 0.07%. On Table 15 is the summary of these payments.

Table 16. Breakdown of Payments to NEA per Type of Loan (as of September 2011)

per Type of Boart	•	
	Amount	
Type of	Paid (In	Percentage
Payment	billion PhP)	to Total
Rural		
Electrification		
Loan	9.612	75.24%
Mini-hydro	1.992	15.59%
Willi-llyul 0	1.772	13.3770
Dendro Thermal	1.162	9.10%
House wiring	0.010	0.07%
TOTAL	12.776	100.00%

Source: PSALM

E. Mandatory Rate Reduction (MRR)

Pursuant to *Section 72 of the EPIRA*, NPC continuously grant to residential customers the mandatory discount of 30-centavos/kWh. For the period April to October 2011, total discounts granted by NPC amounted to PhP676.47 million of which 65 percent were availed by residential customers in Mindanao, 22 percent in the Visayas and 13 percent in Luzon.

Table 17. Monthly Amount Incurred by NPC for Grant of MRR. April to October 2011

	Twee 1771 John Mary 1 Mount incurred by 111 Gyor draint of 11111 (11) 11 to 0 000001 2011							
Billing Month	MERALCO	REST OF LUZON	TOTAL LUZON	VISAYAS	MINDANAO	TOTAL		
April 2011	5,172,690.30	4,263,910.08	9,436,600.38	20,084,581.86	58,855,190.04	88,376,372.28		
May 2011	8,387,174.86	4,784,938.17	13,172,113.03	20,529,433.51	68,402,330.52	102,103,877.06		
June 2011	11,310,086.13	4,973,382.86	16,283,468.99	22,250,391.59	62,851,407.75	101,385,268.33		
July 2011	10,547,112.05	4,653,784.10	15,200,896.15	22,352,448.64	60,225,893.67	97,809,238.46		
August 2011	9,207,207.46	2,838,448.20	12,045,655.66	20,978,035.54	62,271,564.88	95,295,256.08		
September 2011	7,076,107.39	4,610,040.19	11,686,147.58	20,868,424.70	62,829,132.99	95,383,705.27		
October 2011	5,551,114.71	4,515,770.27	10,066,884.98	21,339,283.45	62,856,303.08	94,262,471.51		
TOTAL	57,251,492.90	32,493,191.17	89,744,684.07	148,402,599.29	438,291,822.93	676,469,106.29		

Source: NPC

F. Lifeline Rate Subsidy Program

On 21 June 2011, Republic Act 10150 was signed into law. This extended the implementation of the lifeline rate subsidy by another 10 years. To date, coordination meetings are being conducted by the concerned government agencies with the ERC to study the possible changes in the current mechanism which is in placed to implement the subsidy program.

Meanwhile, Table 18 shows the current status of lifeline rate subsidy implementation, as provided by the ERC.

Table 18. Summary of Lifeline Subsidy for the month of November 2011

Particulars	PDUs	ECs	Total
Amount of Subsidy Provided by Non-	1 203	103	1000
Lifeline Customers (Php)	338,362,947.54	36,307,228.30	374,670,175.84
Total Consumption of Lifeline Customers			
(kWh)	107,100,536	18,703,751	125,804,287
Total Number of Lifeline Customers	2,073,259	1,240,572	3,313,831
Total Number of Non-Lifeline Customers	3,305,120	4,869,173	8,174,293
Total Discounts to Lifeline Customers			
(Php)	329,427,265.65	40,716,261.46	370,143,527.11
Average Amount of Subsidy Provided			
to Lifeline Customers (In Peso/kWh)	3.16	1.94	2.98
Average Amount of Subsidy Provided			
to Lifeline Customers (In			
Peso/Customer)	163.20	29.27	113.06

Source: ERC

Based on the data above, lifeline electricity end-users consumed a total amount of 25 GWh of electricity in August 2011. Of the said amount, 23% were from Private Distribution Utilities (PDUs) while 77% were consumed by lifeline electricity end-users of ECs. This amount of consumption translated to PhP 61 Million of subsidy all over the country. This resulted to an average benefit to lifeline customers from PDU franchises amounting to PhP 2.59/kWh and PhP 2.40 in EC areas to a national average of PhP 2.44/kWh subsidy.

IV. COMPETITION

This section provides an update on key areas of competition to include the operation of the Wholesale Electricity Spot Market (WESM), preparation for open access and retail competition and monitoring of compliance to *Section 45 of the EPIRA*. Significant developments include declaration of the commencement date of Retail Competition and Open Access and the increase in number of WESM participants mainly due to the integration of the Visayas WESM as well as due to the continuous implementation of the Disconnection Policy promulgated by the DOE in 2010.

A. Wholesale Electricity Spot Market Implementation

As of October 2011, the integrated WESM has a total of 112 participants comprised of 47 generating companies and 65 customer trading participants comprised of 6 Private Distribution Utilities, 46 ECs, 6 Bulk end-users and 7 wholesale aggregators. There are 40 applications being evaluated in Luzon, mostly intending trading participants while there were no applications whether generators or customers in the Visayas.

- 1) Following are highlights of WESM trading for the period April 2011-October 2011:
 - Average system demand for Luzon and Visayas registered at 5,723 MW
 - Peak demand was recorded at 7,530 MW which ocurred in the month of June
 - Spot market transactions amounted to 2,494 GWH, translating to 8 percent of the total energy consumed in the Luzon and Visayas regions during the six

months period while the remaining 92 percent of the total volume was transacted and settled outside the market.

Effective Spot Settlement Price for customers amounted to Php 5,257 per MWH

Table 19. Luzon and Visayas Trading Results

Е	Billing Month Peak Demand		Coincidental Energy Offers	Average Demand	Average Energy Offers
58	Apr-2011	7,037	7,419	5,384	6,953
59	May-2011	7,507	7,326	6,059	6,892
60	Jun-2011	7,530	7,338	5,828	6,964
61	Jul-2011	7,404	7,742	5,814	6,722
62	Aug-2011	7,188	7,394	5,699	6,847
63	Sep-2011	7,099	7,039	5,686	6,789
64	Oct-2011	7,219	7,252	5,594	6,552

Source: PEMC MO

Table 20. Metered Quantity

Billing Month		Metered Quantity (Load), MWh (Load), MWh		%	Bilateral Contract % Quantity, MWh	
58	Apr-2011	4,313,514.71	202,777.98	5%	4,110,736.73	95%
59	May-2011	4,675,217.40	399,466.39	9%	4,275,751.00	91%
60	Jun-2011	4,665,692.14	453,082.12	10%	4,212,610.01	90%
61	Jul-2011	4,496,424.04	358,118.31	8%	4,138,305.73	92%
62	Aug-2011	4,588,527.67	280,049.63	6%	4,308,478.03	94%
63	Sep-2011	4,591,257.49	364,979.67	8%	4,226,277.81	92%
64	Oct-2011	4,359,048.50	435,802.47	10%	3,923,246.03	90%

Source: PEMC MO

• Generation in Luzon and Visayas for the billing period May to October 2011 was dominated by Coal Power Plants at 37.75 percent followed by Natural Gas Plants at 36.08 percent. Geothermal contributed a share of 14.9 percent, hydro with percent. Diesel powered power plants contributed about 2 percent, a minimum contribution of generation came from Wind-Based Plants at 0.07 percent.

Table 21. WESM Generation Mix

Billing Mo	nth	Hydro	Geo	Coal	Nat Gas	D/0	Wind	Biofuel
59	May-11	4.4%	14.6%	42.2%	35.7%	2.9%	0.056%	0.036%
60	Jun-11	5.8%	15.1%	41.1%	36.9%	1.0%	0.049%	0.000%
61	Jul-11	7.9%	15.4%	40.1%	34.6%	2.0%	0.095%	0.000%
62	Aug-11	9.4%	15.3%	34.6%	38.5%	2.1%	0.056%	0.000%
63	Sep-11	13.6%	14.7%	33.9%	36.5%	1.3%	0.081%	0.000%
64	Oct-11	13.7%	14.3%	34.6%	34.3%	3.1%	0.100%	0.006%

Source: PEMC-MO

2) Status of Pending ERC Regulatory Filings

a. Market Fees

- ERC issued various Orders setting the hearings on PEMC's application for the approval of the level of Market Fees which were on 17 & 25 October, and 15 November 2011
- On 15 September 2011, PEMC filed an application for the approval of additional market fees for the New Market Management System (NMMS) in the estimated amount of PhP841.05 M. On 26 September 2011, ERC Ordered set the application for public hearings on 24 & 25 October 2011, and 16 November 2011.
- PEMC's petition for the review of MMS Migration is still pending with the Court of Appeals (CA). An additional public hearing for PEMC's application on the approval of Market Fees for the WESM Visayas, was conducted on 14 September 2011. On 29 September 2011, PEMC filed its Formal Offer of Evidence and Compliance, highlighting the MDOM Software Modification Project. As regard to the Market Fees Setting Rules (MFSR) on 29 September 2011, PEMC received the Resolution of the CA noting PEMC's Manifestation and considering the case closed and terminated for lack of interest on the part of petitioner.

b. Pricing and Cost Recovery Mechanism for Reserves (PCRM)

- On 06 June 2011, the ERC issued an Order denying PEMC's prayer for the approval of the phased-in implementation of the WESM PCRM for Reserves and the deferral of the filing for approval of the reserve market in the Visayas pending the ERC's resolution on the Luzon reserve market.
- However, PEMC's motion to implead the System Operator (SO) was granted. The NGCP as SO was directed to coordinate and cooperate with PEMC to accomplish the operational enhancements earlier directed by the ERC. The Order further read: "Considering the integration of the Visayas to the Luzon Grid, the Commission reiterates PEMC's compliance, in coordination with the NGCP, with the directives embodied in the November 15, 2010 Order with modifications as follows:
 - a) Within three (3) months from receipt of this Order, to submit measures to Mitigate Market Power; and
 - *b)* Within six (6) months from receipt of this Order to:
 - i. Implement an Ex-ante Partial Effectiveness Factors to allow broader competition in Reserve Market Categories;
 - ii. Realign the Specification of Reserve Services to create a Fast Contingency Service;
 - iii. Set up New Lower Reserve Service;
 - iv. Introduce ILD as a Fully Functioning Reserve Service;
 - v. Set up interim arrangement for ILD;

- vi. Set up appropriate changes in the PGC; and
- vii. Submit Plans for future enhancements and develop interim plans." (hereinafter, collectively referred to as "Operational Enhancements")"

On 26 September 2011, PEMC filed a Manifestation and Motion where it prayed that an Order be issued:

- Confirming PEMC's submission of Market Power Mitigation Measures for the WESM Reserve Market on 1 August 2011;
- Directing service to NGCP-SO of a copy of the 6 June 2011 Order; and
- Noting PEMC's Manifestation that it shall submit a conceptual framework to implement the directives of the Commission.

3) Update on WESM Governance Activities

Following are highlights of the activities of the various WESM governance committees for the report period.

c. Market Surveillance Committee (MSC)

Held consultative meeting with Grid Management Committee (GMC) on its monitoring of compliance with Clause 6.3.3 on the Operational Responsibilities of the generators under the Philippine Grid Code (PGC), which requires the generators to fully deliver the capabilities declared in their Connection Agreement or Amended Connection Agreement, and to provide accurate and timely planning operations data to the Grid Owner and System Operator. This is significant MSC's monitoring of the trading participants' compliance to the must-offer rule.

The MSC also approved the Revised Process Flowcharts in the Compliance Monitoring, Reporting and Evaluation on the Must Offer Rule and RTD Schedule/Instruction, as part of its ongoing initiative to review and streamline current procedures and processes.

d. Dispute Resolution Administrator (DRA)

The Dispute Resolution Group (DRG) recommended for WESM Rules amendments to separate the DRG from the governance structure of the PEMC and instead outsource mediators and arbitrators for disputes in the WESM from a pool of accredited mediators and arbitrators. This was approved by the PEM Board on 30 June 2011 leading to the dissolution of the DRG, the appointment of a new DRA under the new structure and the establishment of the Dispute Management Protocol (DMP).

e. Rules Change Committee (RCC)

The RCC is mandated to provide assistance to the PEM Board and the Department of Energy (DOE) in the formulation and amendment of the WESM Rules and the Market Manuals. The formulation and amendment of Rules and Manuals is aimed at enhancing market design, as well as refining market processes and operations appropriate for the current environment.

During the covered period, the RCC deliberated and approved the proposed New WESM Manual on the Segregation of Line Rental Trading Amounts which documents the manner by which the line rental trading amount is computed in the WESM as well as provides the methodology for segregating line rental trading amounts into losses and congestion cost. It was subsequently approved by the PEM Board during its meeting on 25 August 2011.

The RCC likewise continued its deliberation on the Proposed Amendments to the WESM Manual on the Management of Must-Run Units which involve revisions on the compensation and settlement mechanism to comply with ERC Order dated 6 February 2008 in ERC Case No. 2006-007 RC, as well as provide for regional application of the methodology for allocating the MRU settlement. For this purpose, regional application means that the application of cost recovery will be applied only to the region where the must-run unit is implemented. The proposal also involves revisions on the flowchart to reflect the current procedures being followed by the System Operator (SO) in designating and scheduling of MRUs. Other RCC accomplishments during the report period are detailed in *Annex No. 5*.

f. Technical Committee (TC)

The TC provided recommendation to the RCC on the proposed amendments to the Management of MRU Manual Issue 4.0. It proposed that WESM should strictly enforce the must-offer rule and ensure the reliability and availability of Day-Ahead Projection (DAP) figures since SO is using it for ancillary service planning and scheduling.

The TC likewise reviewed the NGCP's recommendations of still using the +/-3% dispatch deviation and lowering of trading interval (i.e. 30 minutes or lower) in which it highlighted that there is a need to determine the dispatch tolerance level per type of plant based on historical information.

On the issues on Automatic Load Dropping (ALD) and Manual Load Dropping (MLD), the TC raised concerns on the need to look at the infrastructure requirements to address MLD of Loads with Bilateral Contracts and the need to further review and provide new market policies. Other accomplishments of the Technical Committee during the report period are detailed in *Annex No. 6*.

g. PEM Audit Committee

PA Consulting Group Ltd. (PA) of New Zealand, the External Auditor for the 2nd MO presented its findings and recommendations to the PEM Board on 25 August 2011. On 26 August 2011, PA submitted the draft audit report to the PAC, for final review and comments/responses from PEMC management. The second MO Audit will conclude with the acceptance of the Final Audit Report and Audit Certificates for all WESM-related numerical software by the PAC, WESM Audit Technical Working Group (TWG) and PEMC.

The said audit covered the review of the systems and procedures on market operations, and the billing and settlement, including the interfaces with the System Operator (SO), the Metering Services Providers (MSP), WESM Participants, the ERC and the DOE for the period 26 June 2009 to 25 June 2011.

4) WESM Registration

Table 22. Registration Update as of October 2011 (Luzon and Visayas)

CATEGORY		EXPECTED	REGISTERED			APPLICANT		NOT		
		(Luz& Vis)	DIRECT		INDIRECT		THE LIGHT		REGISTERED	
		(Luza vis)	LUZ	VIS	LUZ	VIS	LUZ	VIS	LUZ	VIS
Generation Companies		48	25	22						1
	Private DUs & LGUs	15	3	3	4	0	3		1	1
Customer Trading	ECs	72	23	23	14	5	7			
Participants	Bulk users	111	3	3	37	22	29		17	
	Wholesale aggregators	7	7							
Total Customer Trading Participants		205	36	29	55	27	40		18	1
TOTAL PARTICAPPLICANTS	TOTAL PARTICIPANTS/ APPLICANTS		61	51	55	27	40		18	2

Source: PEMC

Notes:

- 1. Changes from August 2011 WESM Registration Status Update:
 - a. Total number of expected participants is 253 from 254 and total expected customer trading participants is 205 from 206. This is because the number of expected bulk users is reduced by 1 from 112 to 111 with the inclusion of Hanjin Heavy Industries and Construction under Subic Enerzone Corporation. It was explained that HHIC facilities are located within the SEZ facilities and as such, is not to be registered separately.
 - b. Panay Electric Company (PECO) is excluded from the list of registered Indirect WESM Members (private distribution utilities) in the Visayas, as its membership is recommended to be deferred due to pending issues in regards its connection to the grid. Thus, the total number of registered Indirect Members in the Visayas is now 27 instead of 28.
 - c. La Union Electric Cooperative, Inc. was approved as Direct WESM Member, bringing total number of Luzon ECs registered as Direct WESM Member to 23.
 - d. Applications were received from two bulk users in Luzon, namely Linde Philippines, Inc. (formerly CIGI) and Itogon Suyoc Resources bringing total number of bulk user applicants in Luzon to 29 and reducing non-registered bulk users to 17.
 - e. Application was received from Bohol Enterprises, Inc., bulk user in the Visayas, bringing total number of Visayas bulk users registered as Indirect WESM members to 22.
- 2. Expected number of wholesale aggregators is based on number of applicants, and not based on number of licensed aggregators.

B. Open Access and Retail Competition

On 06 June 2011, the ERC declared that the compliance to the pre-conditions under *Section 31 of the EPIRA* for the implementation of Retail Competition and Open Access (RCOA) has been fulfilled. Specifically for the compliance to *Section 31 (d) and 31 (e)*, as well as the

additional pre-condition stipulated under ERC Resolution No. 3, Series of 2007, the ERC declared the compliance as follows:

• Fulfillment of the requirements under Section 31 (d) and (e)

As presented by PSALM the computation for the purpose of determining the compliance to the said pre-requisites was based on the list of power plants for privatization/disposal as approved and endorsed by the Joint Congressional Power Commission (JCPC) through Resolution No. 2002-02 issued in 29 August 2002.

Accordingly, the government has already turned-over 79.56 percent of its generating assets to the winning bidders as of March 2011. This is equivalent to 3,370.31 MW out of 4,236.18 MW total generating assets offered for privatization in Luzon and Visayas. With regard to the transfer of the contracted energy outputs of NPC-IPPs to IPP Administrators (IPPA), PSALM has already transferred 76.85 percent of the total NPC contracted energy outputs to the IPPAs which is equivalent to 3,593.91 MW out of 4,676.41 MW in Luzon and Visayas.

• Readiness of the necessary infrastructures

One of the fundamental requirements of the RCOA is the adequacy of generation supply in order to prevent exercise of market power in the retail competition. In its decision on Case No. 2011-004 RM, the ERC cited DOE's submission of the supply and demand outlook for the next five years in Luzon and Visayas to justify sufficiency of supply. Positive outlook were presented for both grids considering the commercial operations of about 710 MW coal power plants in the Visayas and 600 MW coal power in Luzon in 2013. On this basis, the ERC conclude that the supply conditions would be sufficient to sustain the operations of the retail market.

As regard to the readiness of the transmission network, the NGCP provided its list of ongoing and proposed transmission projects in Luzon and Visayas. The projects are intended to improve the performance of the transmission system and minimize possible occurrences of congestions. According to NGCP, the projects in the Visayas which are expected to be completed in 2011 will enable to transport power from Luzon to Leyte and provide adequate power to Cebu, Negros and Panay sub-grids which have been experiencing power shortages due to transmission constraints and increasing power demand. The ERC found this sufficient enough to support the wholesale market which in turn will also be sufficient enough to support the retail market.

With the completion of most of the requirements as provided in *Section 31*, based on the resolutions and decisions on various applications for unbundling and removal of cross subsidy and the commercial operation of the wholesale electricity spot market in Luzon and Visayas as presented at ERC Case no. 2011-004 the ERC determined that all legal preconditions have been fulfilled. Relative to this, the ERC issued Resolution No. 10, Series of 2011 declaring 26 December 2011 as the open access date to mark the commencement of the full operations of the competitive retail electricity market in Luzon and Visayas. Corollary to this, all electricity end-users with an average demand of at least one (1) MW for the past twelve months before 26 December 2011, as certified by the ERC to be a contestable customer, shall have the right to their own electricity suppliers.

However, to ensure readiness of stakeholders and the market environment, the DOE created the RCOA Steering Committee (RCOA-SC) through Department Circular No. 2011-06-0006 to assist in recommending policies towards ensuring the sufficiency of existing rules, infrastructures and other institutional requirements necessary to achieve smooth transition to RCOA.

Chaired by the DOE, RCOA-SC membership is composed of heads of DOF, ERC, TRANSCO, PSALM, NPC, NEA, PEMC, PEZA, and NGCP with ERC as observer and resource agency. Three (3) technical working groups (TWGs) were created to address technical, financial, and risk management issues concerning RCOA implementation. Each group was tasked to identify the potential issues respective to their areas of concerns and to regularly coordinate and interact with ERC to validate and determine if any identified issue had been considered and addressed in the ERC issuances.

From its creation to the date of this report, the RCOA-SC discussed the following possible recommendations:

i. Deferment of the Implementation of RCOA on 26 December 2011 to a later date

One of the major recommendations is the deferment of the RCOA implementation. As suggested by some proponents, the RCOA implementation should be deferred until such time that the necessary infrastructures and guidelines are all set-up or to any viable date which ensures the policy and operational success. Also, infrastructures needed for the Business-to-Business (B2B) System and Accounting, Billing and Settlement System (ABS) which are considered vital component of the retail market are yet to be organized. Insufficiency of time to conduct comprehensive review and analysis of new rules and guidelines that the regulator may issue is also a major concern considering the requirement to contract with the Retail Electricity Supplier (RES) 30 days before implementation of the RCOA. According to the various stakeholders, the postponement will allow Contestable Customers (CCs) to engage in more detailed preparations and will allow them to properly evaluate governing rules and regulations.

ii. Revisit RCOA Design/Framework

The concern raised by the TWGs with regard to the design/framework of the retail electricity market is whether RES and contestability will be mandatory. As provided under Section 31 of the EPIRA, it stipulates that "ERC shall allow all electricity end-users with a monthly average peak demand of at least one megawatt (1MW) for the preceding twelve (12) months to be the contestable market". However, with the requirement for the Supplier of Last Resort if a CC is not able to contract with the RES, it seems to be understood that both RES and being part of the contestable market is mandatory. Therefore, this puts the CCs no choice but be part of the retail market.

iii. Establishment of the B2B Infrastructure

With regard to the establishment of the B2B System, there is still a need to see a clear guidance or direction where to source funding for the B2B system and a clear mechanism for the recovery of cost in putting up the system costs for its operation and maintenance. For the entity that acts as the Central Registry Body (CRB)/Central Registration Agent (CRA) the TWGs sees that it would be more beneficial that at the onset of the implementation of open access, the CRA/CRB is an independent 3rd party that will handle data bank, customer switching, monitoring and operation of the B2B system.

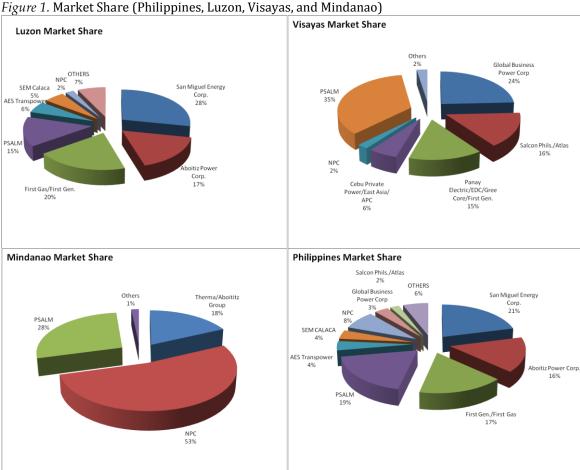
iv. Accounting, Billing and Settlement

With regard to the Accounting, Billing and Settlement System, the TWG recommends to develop ABS Manual. The imbalances in the WESM due to additional participants should be fully accounted under the B2B system, i.e., properly determine the responsible entity that

should be charged. There should be an accurate, transparent and timely accounting of the energy quantity injected into the DU system and their attendant cost schedule and frequency of data submission.

C. Market Power Monitoring

There is not much movement with regard to capacity ownership for the last six months (April to October 2011). However in October, PSALM awarded in favor of the joint venture of SPC Light Company and SPC Power Corporation (SPC Power Consortium) the operation and maintenance service contract (OMSC) for the 650-megawatt (MW) Malaya Thermal Power Plant. Although SPC has been in operation for years, this will be the first plant in Luzon that they will operate.



Source: DOE

PSALM still holds 15 percent share in Luzon with SMEC still leads with 28 percent share, Lopez Group with 20 percent while Aboitiz has 17 percent. NPC is still left with 2 percent share due to still pending privatization of Angat Hydro Power Plant.

In the Visayas, PSALM still has 35 percent share pending privatization of its contracted capacity with the EDC on the Leyte Geothermal Power Plants. Global Business Power continues to increase its share with 24 percent, SPC with 16 percent while Aboitiz Group has 6 percent.

In Mindanao, the government still control the generation business with a total of 81 percent with NPC having 53 percent share while 28 percent for PSALM of the generation capacity in the grid. Aboitiz has a bit increased its share in the grid due to the commercial operation of the 42 MW Sibulan HEPP.

For the national grid, SMEC still lead the generation market with 21 percent share of the national capacity. Lopez group still has 17 percent, Aboitiz wit 16 percent, NPC with 8 percent while PSALM still has 19 percent. During the report period, no generating company was able to breach the limitation set in *Section 45 (a) of the EPIRA*.

V. POWER SUPPLY SECURITY AND RELIABILITY

The data on installed generating capacity of each power plant are based on the Monthly Operations Report submitted to the DOE by the generating companies and are counter checked from the Daily Operation Report of the NGCP. Total installed capacity in the country of 2011 decreased to 16,128 MW from 16, 358 MW in 2010, equivalent to 1.4 percent decline. This is mainly attributed to the decommissioning of the 49MW Northern Negros geothermal power plants in June 2011 and the non-availability of the some diesel power plants in the country.

In Luzon, the installed capacity dropped by 2 percent, from 11,981 MW in 2010 to 11,764 MW in 2011 as a result of the non-availability of some diesel power plants in the grid. However, the dependable capacity of Luzon grid grew by 2 percent buoyed by the testing and commissioning of the 3 x 25 MW Ambuklao hydro facilities during the latter part of the $1^{\rm st}$ semester of 2011. The first and second units started its operation last June 2011 and the 3rd unit in October 2011 respectively. Also, the recommissioned/transferred from PSALM to Udenna of the 116 MW diesel power plant in Subic during the $2^{\rm nd}$ quarter of the year contributed to the reported increase in dependable capacity of the Luzon grid.

In the Visayas installed capacity also reduced slightly to 1 percent, traced mainly related to the decommissioning of the Northern Negros Geothermal facility. However, dependable capacity in Visayas reflects accelerating path with 17 percent increase, from 1,745 MW in 2010 to 2,046 MW in 2011.

In Mindanao, the stability and reliability of power supply was still considered to be the major challenge in the country since the power reserve level in the island remained precariously low. Since 2006, the power supply in Mindanao has remained the same while the demand growth continues its strong growth. Even if the existing hydro power plants are running in full capacity, the need to curtail load is necessary due to a generation deficiency caused by the scheduled maintenance of some power plants, and the unexpected shutdown or reduced capability of others. The corresponding power curtailment, if any, is lifted once the demand recedes or once there is enough available capacity coming into the grid from the power plants. The Mindanao grid-wide power load curtailment is implemented to maintain the power grid's security and reliability.

In 2010, the long dry spell brought about by the El Nino aggravated the prevailing power deficiency in Mindanao. The shortage of power continued to accelerate in 2011 merely because there were no additional capacities goes on stream against the growing power demand in the grid. It was observed in 2011, available capacity in Mindanao on the average was 1,317MW as against the peak load of 1,346 MW or a deficiency in reserves of 28 MW.

A. Power Generation

Gross electricity generation of 2010 reached 68,279 GWh, posting a minimal increase of 0.79 percent compared to 67,743 GWh in 2010. Generation in Luzon grid registered a decline of 0.80 percent while Visayas registered a remarkable increase of 12.62 percent due to the commissioning of the coal-fired power plants in the grid. In Mindanao, due to suppressed demand in view of capacity constraints, electricity generation dropped by 2.48 percent.

Table 23. PHILIPPINES, 2011 and 2010 Comparative Generation, GWh

PHEL TYPE	20	11	20	10	Difference	
FUEL TYPE	GWh	%	GWh	%	GWh	%
Coal	25,430	37.24	23,301	34.40	2,129	9.14
Oil-based	2,498	3.66	7,101	10.48	-4,603	-64.83
Natural Gas	20,277	29.70	19,518	28.81	759	3.89
Geothermal	10,494	15.37	9,929	14.66	565	5.69
Hydro	9,451	13.84	7,803	11.52	1,648	21.11
Wind	70	0.10	62	0.09	8	13.20
Solar	1	0.00	1	0.00	0	-30.61
Biomass	58	0.09	27	0.04	31	113.42
Total	68,279		67,743		536	0.79

Source: DOE

Note: As of January 2012, excluding off-grid with embedded assumptions.

Luzon power supply was generally sufficient throughout the year of 2011. However, undergeneration or load shedding were experienced by the grid towards the end of the year. These were brought about by the limited output of natural gas plants due to fuel supply restrictions from the SPEX Malampaya onshore gas plant on the last quarter of the 2011.

Table 24. LUZON Grid, 2011 and 2010 Comparative Generation, GWh

FUEL TYPE	201	.1	20	10	Difference	
FUEL TYPE	GWh	%	GWh	%	GWh	%
Coal	19,547	39.20	20,047	39.88	-500	-2.49
Oil-based	742	1.49	3,287	6.54	-2,546	-77.44
Natural Gas	20,277	40.66	19,518	38.83	759	3.89
Geothermal	4,395	8.81	3,323	6.61	1,072	32.25
Hydro	4,807	9.64	4,014	7.98	794	19.78
Wind	70	0.14	62	0.12	8	13.20
Biomass	26	0.05	14	0.03	12	81.87
Total	49,864		50,265		-400	-0.80

Source: DOE

Table 25. VISAYAS Grid, 2011 and 2010 Comparative Generation, GWh

FUEL TYPE	20	11	20	10	Difference	
FUEL TYPE	GWh	%	GWh	%	GWh	%
Coal	4,431	43.36	1,529	26.49	2,903	189.87
Oil-based	402	3.93	1,727	29.92	-1,325	-76.73
Biomass	32	0.31	13	0.22	19	148.57
Geothermal	5,308	51.94	5,771	100.00	-463	-8.02
Hydro	47	0.46	36	0.62	11	30.82
Total	10,220		9,075		1,145	12.62

Source: DOE

Table 26. MINDANAO Grid, 2011 and 2010 Comparative Generation, GWh

EHEL TVDE	20	11	20	10	Difference	
FUEL TYPE	GWh	%	GWh	%	GWh	%
Coal	1,452	17.72	1,726	20.54	-274	-15.86
Oil-based	1,354	16.53	2,087	24.84	-733	-35.12
Solar	1	0.01	1	0.01	0	-30.61
Geothermal	790	9.65	834	9.93	-44	-5.28
Hydro	4,597	56.10	3,754	44.68	843	22.45
Total	8,194		8,403		-209	-2.48

Source: DOE

In 2010, the Mindanao shortfall in power supply was severely felt throughout the island when a prolonged dry season that brought the water level in Lake Lanao several centimeters below the critical level. But towards the end of the year, the Mindanao power situation has reached its critical level that requires new power stations to be built within the next succeeding years. Since the government was no longer allowed to generate new capacities following the enactment of the Electric Power Industry Reform Act Of 2001 (R.A. 9136), the state-owned company has been cutting power supply to distribution utilities. Also, the effect of the structural in the grid such as aging power plants that runs on limited capacity which entails more regular maintenance and assessment also contributed to the power supply condition in the grid.

The country's total generation from hydroelectric power plants posted a significant increase of 21 percent, and was driven mainly by the Mindanao grid in which hydro plants were fully dispatched, since the plant capability of the hydroelectric plants in 2010 decreased as a result of low water elevation of the reservoir cause by El Nino Phenomenon.

Modest increase of 9 percent in the utilization of coal-fired power plants was noted. In the Visayas grid, the higher use of coal for power generation was mainly due to the entry of new coal generating power plants in the Grid. In Luzon and Mindanao, the timid decrease in coal-based electricity generation was compensated by the higher output of the geothermal and hydroelectric plants, respectively.

Meanwhile, in generation from national gas electricity generation, the insipid increase of about 4 percent in 2011 was driven mainly by the generation supply constraint brought about by the maintenance shutdown of the Malampaya natural gas pipeline from 20-26 October. The effect of the gas restriction causes the whole plant of Ilijan (1,200 MW) not

available from the whole period of 20-26 October 2011 in parallel with the Malampaya Natgas shutdown. Thus, overall generation sourced from the indigenous gas fuels dripped, as a result of the natural gas restriction of Malampaya, which led to the use of the liquid fuel.

On the other hand, the country's total generation from oil-based power plants reflects a decelerating path, with 65 percent decline from 7,101GWh in 2010 to 2, 498 GWh in 2011. As recalled in 2010, oil-based power plants were frequently dispatched as a must run unit to address the insufficient reserve capacity in the Luzon grid. While in the Mindanao, while the grid was able to cope up with the limited hydroelectric power plants output, from 2,087 GWh in 2010 to 1,354 GWh in 2011, a 35 percent decline in the generation sourced from oil-based generating facilities was recorded.

Year-on-year (y-o-y) gross power generation from geothermal power plant accelerated by 6 percent or 759 GWh from 9,929 GWh in 2010 compared to 10, 494 GWh in 2011. The slight increase of generation from geothermal power plants was attributed to the following reasons: 1) The unit 1 of Bacman (55 MW), after being out of service since March 2009, synchronized to the system last December 2011 to conduct tests and commissioning and it is expected that two (2) other units of Bacman will also conduct commissioning tests in the first quarter of 2012; 2) Decommissioned of Northern Negros Geothermal Power Plant (49 MW); and 3) Palinpinon Geothermal Power Plant Unit 2 was out for 85 days (Sept 19 to Nov 29) due to main transformer failure.

Contributions from renewable energy such as wind, solar and biomass combined, inclined by 43 percent or 39 GWh with a share of only 19 percent to the total generation. The prevalence of the substantial increase was attributed from the 4MW San Pedro Landfill Methane Recovery and Electricity Generation in Luzon and 15 MW of Central Azucarera de San Antonio (CASA).

B. System Peak Demand

Luzon demand in the 1st semester of 2011 was generally lower relative to the previous year due to lower energy demand on account of cooler temperatures. It will be recalled that the extensive heat all over the country brought by El Niño Phenomenon in the first half of 2010 drove up the demand for electricity. However, the inception of La Niña from the latter half of 2010 until 1st semester of 2011 brought cooler temperatures. System peak intensity during the month of June posted a remarkable figure of 7, 552 MW or 1 percent lower compared to the same period of 2010 and 1 percent lower compared to the previous year's maximum peak which occurred on May 2010.

Meanwhile, average electricity requirement in Luzon for the 2nd semester of 2011 accelerated to 3 percent from the semester-ago level decrease of 1 percent but was slightly lower than the year-ago level of 5 percent.

In the Visayas, coincident peak demand in December 2011 reached 1,481 MW, higher by about 4 percent compared from the previous year of the same month with 1,431 MW. In sub-grid level, Cebu reflected highest average demand for the whole year of 2011 with a 48 percent share to the total average demand of Visayas grid. The lowest recorded system demand in the grid was on 25 December 2011 (Christmas Day) with 1,202 MW.

The rapid expansion of business activity in Visayas continued to edge higher, affecting the grid's power demand growth. With the fast-paced development of the key cities in Visayas, the region's power generation capacity for the year 2010 remained tight. The integration of the new capacity to the grid due to the commercial operation of the new power plants on

the 1st semester of 2011 (3 x 72MW Coal by CEDC), (2x72 MW Coal by PEDC) and the (2 x 100MW Coal by Kepco-Salcon) contributed to avert the power shortage in the grid.

Meanwhile, the recorded maximum peak demand on December 2011 is 1,346 MW, a 5 percent increase compared to 2010 actual coincident peak with 1,288 MW of the same period while the lowest recorded demand was on 25 December 2011 (Christmas Day) with 996 MW.

The continued deficiency of available supply in Mindanao despite the increasing demand for power has a significant adverse effect on the grid. As such, suppressed demand was observed throughout the grid since the power shortage was looming in the horizon. With limited available capacities to meet the demand for power supply, Mindanao braces for a shortage of power.

In line with this, the government and private sector initiated mitigation measures against the worsening power scenario in the grid. This includes the close monitoring of the power situation in Mindanao and exploring all the possible measures to help mitigate the occurrence of power outages in the grid until new capacities come in.

C. Status of Transmission Projects

In the transmission sector in Luzon, the project Figure Dasmarinas Sub-Station Dasmariñas Substation Expansion, a component of Expansion

Luzon Transmission Line Upgrading I, which originally aims to provide N-1 (as the third 300 MVA transformer) at the substation but will now be installed as a replacement to the damaged unit in Dasmariñas. Target delivery of transformer and highvoltage equipments is by 12 October 2012 and the 💝 target date for the completion of this project is by 31 January 2012.

To support the long term power requirements of Samar and improve the delivery of quality and reliable power in the island, NGCP is constructing the 138 kV Paranas (Wright) - Carayman (Calbayog) transmission line. The new line will replace the old 69 kV woodpole transmission line and will address the overloading of Paranas Substation. As of 31 August 2011, both substation and transmission component of this project is expected to be energized with load by 31 November 2011.

In the Mindanao Grid, the Balo-I (Abaga) -Transmission Line Project Villanueva (Kirahon) 230 kV TL Project, a project component the Mindanao 230 kV Backbone Transmission, will provide additional transmission corridor to the 888 MW Agus Hydro Complex (including expected entry of Agus 3 HEP). Currently Agus 2-Kibawe and Balo-i-Tagoloan 138 kV lines serve as Agus Complex's link to the Grid. Over-time, the N-1 being provided by these lines to the Agus Complex has been lost due to increase in demand. In addition, this project will also serve as an initial step in developing a higher capacity transmission highway from north to south of the grid to meet the

Figure 3. Bal-oi - Villanueva 230 kV

Zapote

Rosario

Dasmariñas



increasing demand in Davao area.

Another project in is the Mindanao S/S Expansion – 2005 (Phase II) involves the installation of additional transformers at Butuan and Sta. Clara Substation in order to meet load growth. In additional this will provide N-1 capability to the other substations to mitigate supply interruption during planned and unplanned outages for transformers. As of 31 August 2011 the Butuan S/S is 92 percent complete and is scheduled to be completed by 31 August 2011 while the Sta.Clara expansion is 90 percent complete and is scheduled to be completed by 30 November 2011.

Figure 4. Mindanao S/S Expansion 2005 (Phase II)



D. ERC-Approved Capital Expenditure Projects

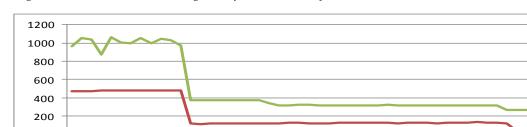
The ERC has approved a total of four (4) Capital Expenditure (CAPEX) Projects applied by South Cotabato II Electric Cooperative, Inc. (SOCOTECO II), Cebu II Electric Cooperative, Inc. (CEBECO II), Surigao del Sur I Electric Cooperative, Inc. (SURSECO I), Batanes Electric Cooperative, Inc. (BATANELCO) for the period May 2011 – August 2011 as reflected in *Annex 14*.

E. Transition Supply Contracts (TSCs)

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PSALM has already privatized 79 percent of the NPC generating assets and 76 percent of its contracted capacities from the Independent Power Producers (IPPs). Due to this development, NPC together with PSALM now reduced its controls of the generation sector equivalent to 19 percent or 2,807 MW of generating capacity from almost 90 percent or about 12,500 MW before privatization.

Relative to this, PSALM has given up most of its TSCs with its customers including distribution utilities in Luzon. While significant capacity still remain in the Visayas for NPC/PSALM, these still not enough to suffice the demand of DUs in the area resulting to rationalization of supply that resulted to reduction of TSC capacities. This also happened in Mindanao after the expiration of most of the TSCs with 28 ECs in August 2011 and renewed until December 2012. This however encouraged the DUs to contract with other suppliers in order to satisfy the requirements of their consumers. Further, this also helped the DUs manage their supply mix and attain optimal price.



Visayas

Mindanao

Figure 5. NPC Contractual Obligations for Luzon, Visayas and Mindanao

Luzon

VI. TOTAL ELECTRIFICATION

As of 31 October 2011, the Program has already achieved 99.91 percent of the total potential barangay nationwide. Prior to the launching of ABEP, barangay electrification level only stood at 76.9%, having energized only 32,281 out of 41,975 total barangay coverage. Under the program, the energization of 41,939 barangays was spearheaded by the DOE with assistance from the NEA, NPC-SPUG, and PNOC and its subsidiaries.

Among the remaining 36 unenergized barangays, seven (7) barangays have implementation issues especially in ARMM areas which have right-of-way problem and liquidation issues on previous projects. MERALCO, on the other hand, has committed to accelerate electrification of the 20 barangays yet AMORE to be energized in its franchise area. The DOE is Total

 Table 27. Targets Per Implementors

 DOE
 35

 BEP
 1

 RAES
 4

 ER 1-94
 10

 MERALCO
 20

 AMORE
 1

 Total
 36

closely coordinating with NEA and concerned LUGs on the possible options to pursue electrification of these barangays. *Please note that five barangays* (5) were delisted from the target due to no inhabitants and located on permanent danger zone (Albay near Mt. Mayon).

Table 28. Barangay Electrification Status as of 310ctober2011

Region	Potential Barangays	Electrified Barangays	Unelectrified Barangays	Electrification Level (%)
CAR	1,176	1,176	0	100.00
I	3,265	3,265	0	100.00
II	2,311	2,311	0	100.00
III	3,102	3,102	0	100.00
IV-A	4,010	3,990	20	99.50
IV-B	1,458	1,458	0	100.00
V	3,469	3,469	0	100.00
NCR	1,695	1,695	-	100.0
SUB- TOTAL LUZON	20,486	20,466	20	99.90
VI	4,050	4,050	0	100.00
VII	3,003	3,003	-	100.00
VIII	4,389	4,389	0	100.00
SUB- TOTAL VISAYAS	11,442	11,442	0	100.00
IX	1,904	1,904	0	100.00
X	2,020	2,020	0	100.00
XI	1,160	1,160	0	100.00
XII	1,194	1,194	0	100.00
ARMM	2,459	2,443	16	99.35
CARAGA	1,310	1,310	0	100.00
SUB-TOTAL MINDANAO	10,047	10,031	16	99.84
TOTAL PHILIPPINES	41,975	41,939	36	99.91

NEA reported that attained 100 percent barangay energization under the area coverage of ECs as of December 2009. It is currently developing Sitio a Electrification **Program** Masterplan to energize the remaining sitios in the country without access to electricity. In addition, NEA is finalizing Barangay Enhancement Masterplan which aims to upgrade the electric facilities of off-grid barangays. However. these efforts of NEA will be done in coordination with the DOE as part of percent attaining 90 household electrification by 2017.

Source: DOE

Following are the developments in various activities that were instrumental to the near completion of barangay electrification:

A. Qualified Third Party

Chapter VII, Section 59 of the EPIRA provides that the "provision of electric service in remote and unviable villages that the franchised utility is unable to service for any reason shall be opened to other qualified third parties".

Following are the updates on the QTP Program being spearheaded by the DOE:

1) PowerSource Philippines, Incorporated (PSPI) Rio Tuba QTP Project in Bataraza, Palawan

The current active customer connections of PSPI that are being served with 24-hour electricity services are 1374. PSPI has high collection fee index of above 95% for their electricity tariff in their QTP service area. There was a decrease of about 46 household connections from the previous reporting period due to the active disconnection program imposed by PSPI as the customers think that they have no longer have to keep current on their bills because of the subsidy being availed by PSPI from UC-ME. However, PSPI think that the household connections will go up in the coming few months as customers shall realize that PSPI is strictly imposing disciplined billing payment practices.

The average sales (in kwhrs) for 2011 are around 100,000kwhr per month compared to last year average sales of around 70,000kwhr per month. The substantial increase in electricity sales is due to the subsidy being collected from UC-ME. It is being projected by PSPI that the rise in electricity sales shall continue to go up.

Due to upsurge in load consumption/use, PSPI is working on the additional capacity for their existing Community Energizer Platform Power Generation Project, which only have an installed capacity of 420 kW, consisting of two diesel power plants of 210 kW each, by bringing soon a 70 kW biomass gasifier fuelled by coconut and wood chips. PSPI intends to commission the biomass plant by the first quarter of next year. Said biomass plant intends to take a third of their present load from their existing generation system.

2) PSPI Malapascua QTP Project in Bantayan, Cebu

PSPI was not deterred to undertake additional in missionary areas despite the long gestation of its pilot QTP project in Rio Tuba, Bataraza, Palawan. At present, it is working on the full documentation for the filing of its 2nd QTP Project in Malapascua, Bantayan, Cebu. It has already secured a waiver agreement with the concerned Electric Cooperative, Cebu Electric II Cooperative, Incorporated and is now coordinating with NPC-SPUG for the QTP Service Contract as one of the requisite documents for packaging their QTP application for submission to DOE and endorsement to ERC.

PSPI is also actively undertaking project sites identification for the possible roll-out of their planned multi-investments for QTP. It has initially identified Liminangcong in the Province of Palawan as their third potential QTP project.

3) QTP Project in Semirara Island, Municipality of Caluya, Antique

The recent corporate restructuring of Semirara Mining Corporation (SMC) created a subsidiary group, DMCI Power to serve as the QTP applicant for the three barangays in Semirara Island, Barangays Alegria, Tinogboc and Semirara waived by the Antique Electric Cooperative (ANTECO) for possible take-over by a QTP. As a result, DMCI Power has to make the necessary amendments and modifications on the previous documentation prepared by SMC to be consistent with its proposed QTP project for the three (3) barangays in the island.

Accordingly, DMCI Power requested ANTECO to revise its previous Board Resolution it has issued and furnished to NEA, ERC and Semirara Mining Corporation taking into consideration the DOE's Department Circular No. DC-2005-121-011 (QTP Participation Guidelines), such as the recognition of the DOE and ERCs' mandate in the actual selection of the QTP to be authorized to operate in waived areas.

4) PRES Project in Masbate

After PAMATEC/ETDE, the Project Contractor, completed installation of the PV systems in 108 barangays benefitting 5,129 household and mini-grid systems in 102 barangays with 12,183 households' beneficiaries, the DOE, in close coordination with NPC, worked out the development of necessary contractual and/or commercial arrangements suitable for PRES project as well as timelines and action plan to ensure the target barangays under the PRES project may be assured of least-cost electricity services that is sustainable.

Although NPC-SPUG is acting as Interim QTP and had put in place administrative guidelines for the operation of the PRES Project, the preparation of the draft O&M Contractor's Agreement by DOE and NPC is in reference to Article 6 of the Financial Protocol between the Philippines and French Governments requiring the designation of a private party to operate and maintain the electric services provided for under the PRES Project

The DOE also suggested to NPC that it convenes a meeting with a composite team composed of DOE, NEDA, DOF and NEA to study and review the technical and economic aspects of the draft O&M Service Agreement particularly on the cost structure, subsidy computation and project duration as well as seek a common ground in finalizing the draft bidding documents including the timeline and schedule for bidding the subject Project consistent with existing government procurement and privatization policies.

B. Implementation of E.R. 1-94 Program

As specified under Energy Regulations 1-94 (ER 1-94) as amended, the DOE ensures that communities hosting generating facilities or energy resource development projects are benefited. It is a way of recognizing the contribution of host communities for sharing and using their territory to put

Table 29. Summary of Financial Benefits as of October 2011 (In PhP Billion)

Particulars	EF	DLF	RWMHEEF	Total
Accrued Financial Benefit	2.54	2.96	2.27	6.77
Approved	2.33	0.94	1.21	4.48
Available/Collectible Balance	0.21	1.02	1.06	2.29

up generating facilities to energize the rest of the country.

Source: DOE

ER 1-94 provides for funds that can be accessed by host communities to further foster progress in their respective areas. However, availment of such benefits requires host communities to submit proposals which may be under any of the following: electrification fund (EF), development and livelihood fund (DLF) and reforestation, watershed management, health and/or environment enhancement fund (RWMHEEF).

From May 2011 to October 2011, the DOE approved 148 projects with a total amount of PhP159M funded under E.R. 1-94 program from which 111 projects were funded under EF amounting to PhP66.1M, 23 under DLF amounting to PhP38.37M and 14 under RWMHEEF amounting to PhP54.53M.

The total accrued financial benefit from inception is PhP 7.59 billion from which PhP 4.72 billion was obligated for the implementation of projects. The available funds as of October 2011 stood at around PhP2.87 billion.

C. Challenges

The main challenge that faces the power sector is the security of supply. With the country under the Aquino Administration enjoying interests from investors and the government bidding out various infrastructure projects under the public-private partnership (PPP) program in various parts of the country, it will not take time that the current capacity additions will be diluted by the surge of demand.

As indicated in the Philippine Power Development Plan (PDP) 2013 -2030, the country's demand for electricity will grow by about 4.5 percent per year. With this, the country may need a total additional capacity of about 14,400 MW during the period. To date, there are about 650 MW of capacity that would about to be commissioned between years 2013 and 2015 while there are about 1,172 MW committed capacity. These committed power projects are those which have complied with the necessary permits and clearances of various agencies and concerned local government and in the process of financial closing.

While the government is receiving expressions of interest to expand existing plant or put up new plants with a total capacity of 5,023 MW, these are still at the different stage of development. Thus, there is still a possibility that these could not proceed to development status. With these, the government may need to involve itself once again into power generation to avoid power shortages in the future and keep hold of the current momentum being enjoyed as an investment attractive economy.

LIST OF ANNEXES

Annex 1. TransCo Inspection Report Based on Concession Agreement

No.	Inspection Report No.	Location	Name of Project/ transmission facilities	Inspection Date
LUZ	ON			
1	PUC-11-18	North Luzon	New Clark Substation	Feb.23 to 25, 2011
2	PUC-11-18	North Luzon	New Clark – Concepcion Transmission Lines, Clark and Concepcion Substations	Feb. 23 to 25, 2011
3	PUC-11-19	North Luzon	Upgrading of San Manuel, Concepcion, Mexico Substations	Feb. 21 to 22, 2011
4	PUC-11-19	North Luzon	Upgrading of San Manuel – Concepcion – Mexico Transmission Lines	Feb. 21 to 22, 2011
5	NLRD1-11-01	Olongapo, Hermosa, Subic, Limay and Botolan	North Luzon District 5	March 28 to April 1, 2011
6	NLRD1-11-03	Bauang S/S, San Esteban S/S, Bantay S/S, Curimao S/S, Laoag S/S	North Luzon District 1	May 9 to 13, 2011
7	NLRD4-11-04	Santiago S/S, Cauayan S/S, Gamu S/S, Ilagan S/S, Tuguegarao, Bayombong, Lagawe S/S	North Luzon District 4	May 23 to 27, 2011
8	NLRD6-11-05	Central Luzon Area Control Center Mexico S/S Cabanatuan S/S Pantabangan S/S Cruz na Daan S/S	North Luzon District 6	June 13 to 17, 2011
9	NLRD3-11-08	San Manuel, Nagsaag Kadampat, Labrador, Mangaldan Substation, Pangasinan	North Luzon District 3	July 25 to 29, 2011
10	NLRD7-11-09	San Jose, Araneta Dolores, Malaya, Balintawak	North Luzon District 7	August 8 to 11, 2011
11	SLRD2-11-10	Tayabas, Gumaca, Makban, Kalayaan, Caliraya	South Luzon District 2	August 22 to 26, 2011
12	NLRD7-11-26	San Jose Del Monte, Bulacan	San Jose 750MVA Transformer Project	January 25 to 28, 2011
13	NP-11-16	Kadampat, Pangasinan and San Jose, Bulacan	2x90MVAR Shunt Reactor	July 25 to 29, 2011
VISA	YAS			
1	VISD3-11-02	Bacolod, Cadiz, Kabankalan, Mabinay, Amlan	Visayas District 3	April 13 to 15, 2011
2	PUC-11-21	Amlan, Mabinay & Bacolod S/S	Visayas PCB Replacement Project	April 13 to 15, 2011
3	VISD2-11-07	Cebu, Talisay, Compostela, Naga, Suba, Ubay, Garcia, Hernandez, and Bohol Substations	Visayas District 2	July 11 to 15, 2011

No.	Inspection Report No.	Location	Name of Project/ transmission facilities	Inspection Date
4	PUC-11-22	Corella, Ubay, Bohol	Bohol Backbone 138 kV Transmission Project	March 9 to 11, 2011
5	VISD-11-18	Sta. Barbara, Dingle, San Juan, Panit-an, Baldoza	Visayas District 4	October 24 to 27, 2011
MINI	DANAO			
1	PUC-11-20	Zamboanga Sibugay	Zamboanga 138kV Transmission Project	March 9 to 11, 2011
2	MRD2-11-06	Overton, Lugait, Balo-I Substation and Agus 6 Switchyard	Mindanao District 2	June 27 to July 1, 2011
3	PUC-11-23	Cagayan De Oro, Abaga, Kirahon	Abaga-Kirahon 230kV Transmission Project	August 15 to 18, 2011
4	PUC-11-23	Cagayan De Oro, Abaga, Kirahon	Abaga-Kirahon 230kV Substation Project	August 15 to 18, 2011
5	PUC-11-24	Kirahon, Misamis Oriental, Maramag, Bukidnon, Mindanao	Kirahon-Maramag 230kV Transmission Line Project	August 15 to 18, 2011
6	MIND1-11-11	Zamboanga, Lunzuran, Sangali, Sta. Clara, Aurora	Mindanao District 1	September 5 to 9, 2011
7	MIND4-11-12	Butuan, Nasipit, Anislagan, San Francisco, Bislig	Mindanao District 4	September 12 to 16, 2011
8	MIND5-11-13	Davao, Kidapawan, Bunawan, Maco, Matanao, Nabunturan	Mindanao District 5	September 19 to 23, 2011
9	MIND6-14	Gen. Santos, Tacurong, Sultan Kudarat	Mindanao District 6	September 26 to 30, 2011
10	MIND3-11-15	Carmen, Tagoloan, Jasaan, Kibawe, Maramag	Mindanao District 3	October 3 to 7, 2011

Source: TRANSCO

Annex 2. NGCP Related Petitions to ERC as of October 2011

ERC DECISION/ CASE NUMBER	DATE OF FILING	NATURE OF PETITION	GROUNDS FOR FILING	STATUS
ERC Case No. 2011-140 RC	20 October 2011	In the Matter of the Application for the Approval of the Maximum Allowable Revenue for Calendar Year 2012 (Mar2012) and the Performance Incentive Scheme (PIS) Compliance in accordance with the alternative form of rate Setting Methodology Under the Rules for Setting the Transmission Wheeling Rates	 Issue a Provisional Authority to implement and commence the billing and collection of the Mar2012 in the amount of PhP47,775.38Mn and the PIS in the amount of PhP503.12Mn beginning the billing period of 26 December 2011 to 25 January 2012; After due notice and hearing, approve the full recovery of the Mar2012 in the amount of PhP47,775.38Mn and the PIS in the amount of PhP503.12Mn beginning the billing period of 26 December 2011 to 25 January 2012; Approve System Operator and Metering Service Provider Charges to be applied and charged to NGCP's customers in CY 2012; and Approve the fifty percent (50%) of PhP14.32Mn (or PhP7.16Mn) as RBRt from co-location and rental of equipment 	No status yet
ERC Case No. 2011-134RC	20 September 2011	In the Matter of the Application for Approval of the Capital Expenditures for the Acquisition of the Panay Energy Development Corporation (PEDC) Assets pursuant to Section 9 of Republic Act No. 9136	 To immediately issue a provisional approval authorizing NGCP to acquire the PEDC Assets, including the lot where the switchyard is constructed, upon payment to PEDC of the amount equivalent to NGCP's valuation of the assets to be charged from the CAPEX approved for 2011 or in any year of the 3rd Regulatory Period After due notice and hearing, approve the CAPEX Application for the acquisition of the PEDC assets, including the lot where the switchyard is constructed, as transmission assets pursuant to the provision of R.A No. 9136, its Implementing Rules and Regulations, and ERC Resolution No. 16, Series of 2011, subject to payment to PEDC of its fair market price to be charged from the CAPEX approved for 2011 or in any year of the 3rd Regulatory Period. In the event that NGCP exceeds the level of the CAPEX approved for 2011 or in any year of the 3rd Regulatory Period on account of the 	No status yet

ERC DECISION/ CASE NUMBER	DATE OF FILING	NATURE OF PETITION	GROUNDS FOR FILING	STATUS
			acquisition of the PEDC assets, the difference in amount between the actual CAPEX and the ERC-approved levels be considered exempted and excluded from the computation of the CAPEX Efficiency Adjustment as provided in Article IX of the RTWR.	
ERC Case No. 2011-133RC	19 September 2011	In the Matter of the Application for the Approval of the Capital Expenditure for the acquisition of the Cebu Energy Development Corporation (CEDC) Assets pursuant to section 9 Republic act No. 9136, with prayer for Provisional Authority	 Immediately issue a Provisional Approval authorizing NGCP to acquire the CEDC Assets, including the lot where the switchyard is constructed, upon payment to CEDC of the amount equivalent to NGCP's valuation of the assets to be charged from the CAPEX approved for 2011 or in any year of the 3rd Regulatory Period. After due notice and hearing, approve the CAPEX application for the acquisition of the CEDC Assets, including the lot where the switchyard is constructed, as transmission assets pursuant to the provisions of R.A. No. 9136, its Implementing Rules and Regulations, and ERC Resolution No. 16, series of 2011 subject to payment to CEDC of its fair market price to be charged from the CAPEX approved for 2011 or in any year of the 3rd Regulatory Period In the event that NGCP exceeds the level of the CAPEX approved for 2011 or in any year of the 3rd Regulatory Period on account of the acquisition of the CEDC Assets, the difference in amount between the actual CAPEX and the ERC-approved levels to be considered exempted and excluded from the computation of the CAPEX Efficiency adjustment as provided in Article IX of the RTWR. 	No status yet
ERC Case No. 2011-112RC	12 August 2011	In the Matter of the Application for Approval of Force Majeure (FM) event regulated FM Pass through for typhoons Basyang and Juan in accordance with the Rules for setting Transmission Wheeling Rates.	 Declare the Typhoons Basyang and Juan as Force Majeure events Approve the expenditures incurred for the restoration/rehabilitation/repair of the damaged transmission facilities and proposed pass-through amount representing return on and of the capital expenditure associated with the emergency responses and repair and rehabilitation of facilities damaged due to the said events. Grant provisional authority to implement and bill the FME Pass- 	On November 22, 2010, ERC issued the Final Determination.

ERC DECISION/ CASE NUMBER	DATE OF FILING	NATURE OF PETITION	GROUNDS FOR FILING	STATUS
			through amount to Luzon customers from 26 September 2011 to 25 December 2015 or until such time that the amount incurred is fully recovered; and	
			• Exclude the proposed pass-through Amount from the side constraint calculation.	

Source: TRANSCO

Annex 3 – Summary of MERALCO 2011 Residential Unbundled Power Rates

0 to 200 kWh (P/kWh)

BILL SUBGROUP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Generation	4.0539	4.9047	5.8183	6.7582	5.4862	5.5740	5.6334	6.0769	5.4113	4.3604
Transmission	0.7281	0.8773	0.7369	0.8195	0.7742	0.6201	0.9082	1.0067	0.9594	0.9750
System Loss	0.5761	0.7062	0.7755	0.8445	0.7193	0.6911	0.7011	0.7515	0.6491	0.5435
Distribution *	1.8832	1.5017	1.5017	1.8555	1.8555	1.8555	1.8555	1.8555	1.8555	1.8555
Subsidies**	0.1249	0.1264	0.1388	0.1474	0.1555	0.1487	0.1219	0.1106	0.1368	0.1442
Universal Charge	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.0479
TOTAL***	7.4665	8.2166	9.0715	10.5254	9.0910	8.9897	9.3204	9.9015	9.1124	7.9265

201 to 300 kWh (P/kWh)

BILL SUBGROUP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Generation	4.0539	4.9047	5.8183	6.7582	5.4862	5.5740	5.6334	6.0769	5.4113	4.3604
Transmission	0.7281	0.8773	0.7369	0.8195	0.7742	0.6201	0.9082	1.0067	0.9594	0.9750
System Loss	0.5761	0.7062	0.7755	0.8445	0.7193	0.6911	0.7011	0.7515	0.6491	0.5435
Distribution *	2.1868	1.8053	1.8053	2.2306	2.2306	2.2306	2.2306	2.2306	2.2306	2.2306
Subsidies**	0.1249	0.1264	0.1388	0.1474	0.1555	0.1487	0.1219	0.1106	0.1368	0.1442
Universal Charge	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.0479
TOTAL***	7.7701	8.5202	9.3751	10.9005	9.4661	9.3648	9.6955	10.2766	9.4875	8.3016

301 to 400 kWh(P/kWh)

BILL SUBGROUP	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10
Generation	4.0539	4.9047	5.8183	6.7582	5.4862	5.5740	5.6334	6.0769	5.4113	4.3604
Transmission	0.7281	0.8773	0.7369	0.8195	0.7742	0.6201	0.9082	1.0067	0.9594	0.9750
System Loss	0.5761	0.7062	0.7755	0.8445	0.7193	0.6911	0.7011	0.7515	0.6491	0.5435
Distribution *	2.4731	2.0916	2.0916	2.5844	2.5844	2.5844	2.5844	2.5844	2.5844	2.5844
Subsidies**	0.1249	0.1264	0.1388	0.1474	0.1555	0.1487	0.1219	0.1106	0.1368	0.1442
Universal Charge	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.0479
TOTAL***	8.0564	8.8065	9.6614	11.2543	9.8199	9.7186	10.0493	10.6304	9.8413	8.6554

Over 400kWh (P/kWh)

BILL SUBGROUP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Generation	4.0539	4.9047	5.8183	6.7582	5.4862	5.5740	5.6334	6.0769	5.4113	4.3604
Transmission	0.7281	0.8773	0.7369	0.8195	0.7742	0.6201	0.9082	1.0067	0.9594	0.9750
System Loss*	0.5761	0.7062	0.7755	0.8445	0.7193	0.6911	0.7011	0.7515	0.6491	0.5435
Distribution	2.9718	2.5903	2.5903	3.2006	3.2006	3.2006	3.2006	3.2006	3.2006	3.2006
Subsidies**	0.1249	0.1264	0.1388	0.1474	0.1555	0.1487	0.1219	0.1106	0.1368	0.1442
Universal Charge	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.0479
TOTAL***	8.5551	9.3052	10.1601	11.8705	10.4361	10.3348	10.6655	11.2466	10.4575	9.2716

^{*} Includes Distribution, Supply and Metering Charges

** Subsidies covered by customers consuming 101 kWh consumption and up

** *Total rates excluding Government Taxes

Source: MERALCO Website

Annex 4. NPC Generation Charges in PhP/kWh

Month & YEAR	LUZON	VISAYAS	MINDANAO
2003			
January	2.4573	2.3429	1.2914
February	2.4664	2.3520	1.3005
March	2.4664	2.3520	1.3005
April	2.4664	2.3520	1.3005
May	2.4009	2.5095	1.3050
June	2.4009	2.5095	1.3050
July	2.4009	2.5095	1.3050
August	2.0065	2.5095	1.3050
September	2.0065	2.5095	1.3050
October	2.4962	2.6429	1.2933
November	2.4962	2.6429	1.2965
December	2.4897	2.6364	1.2666
2004			
January	2.4897	2.7199	1.2666
February	2.3887	2.8391	1.3219
March	2.3887	2.8391	1.3219
April	2.3887	2.8391	1.3219
May	2.4614	2.9118	1.4499
June	2.5981	2.9338	1.8317
July	2.5981	2.9338	1.8317
August	2.5981	2.8349	1.8317
September	2.5981	2.8349	1.8317
October	3.9662	3.1888	2.2787
November	3.9384	3.1610	2.2509
December	3.9384	3.1610	2.2509
2005			
January	3.9384	3.1610	2.2509
February	3.9384	3.1610	2.2509
March	3.9384	3.1610	2.2509
April	3.9384	3.1610	2.2509
May	4.4080	3.2823	2.5307
June	4.4080	3.2823	2.5307
July	4.4080	3.2823	2.5307
August	4.4080	3.2823	2.5307
September	4.4080	3.2823	2.5307
October	4.4080	3.2823	2.5307
November	4.4080	3.2823	2.5307
December	4.5303	3.3654	2.5965

Annex 4. NPC Generation Charges in PhP/kWh

	Month & YEAR	LUZON	VISAYAS	MINDANAO
2006				
	January	4.5303	3.3654	2.5965
	February	4.5303	3.3654	2.5965
	March	4.5303	3.3654	2.5965
	April	4.5303	3.3654	2.5965
	May	4.5303	3.3654	2.5965
	June	4.5303	3.2259	2.5965
	July	4.5303	3.4043	2.5965
	August	4.9100	3.4043	2.6205
	September	4.9100	3.4043	2.6205
	October	4.9100	3.4043	2.6205
	November	4.9100	3.4043	2.6205
	December	4.9100	3.4043	2.6205
2007				
	January	4.9100	3.4043	2.6205
	February	4.9100	3.4043	2.6205
	March	4.8670	3.0892	2.6160
	April	4.8670	3.0892	2.6160
	May	4.7857	3.0892	2.6160
	June	4.7857	2.9056	2.6160
	July	4.6636	2.9056	2.6160
	August	4.6636	2.9056	2.6160
	September	4.5887	2.9056	2.6160
	October	4.3344	2.8343	2.5523
	November	4.3344	2.8343	2.5523
	December	3.6745	2.8343	2.5523
8008				
	January	4.3184	2.8343	2.5523
	February	3.6469	2.8343	2.5523
	March	3.6469	2.8043	2.5523
	April	3.8896	2.8043	2.5523
	May	3.8896	2.9056	2.5523
	June	3.1780	2.9934	2.5277
	July	3.1780	2.9934	2.5277
	August	3.1780	2.9934	2.5277
	September	3.1780	2.9934	2.5277
	October	3.1780	2.9934	2.5277
	November	3.1780	2.9934	2.5277
	December	3.3611	2.9934	2.5277

Annex 4. NPC Generation Charges in PhP/kWh

N	Ionth & YEAR	LUZON	VISAYAS	MINDANAO
	January	3.5589	2.9934	2.5319
	February	3.5589	2.9934	2.5319
	March	4.0271	3.8310	3.0030
	April	4.0271	3.8310	3.0030
	May	4.0271	3.8309	3.0030
	June	4.0271	3.8309	3.0030
	July	4.0271	3.8309	3.0030
	August	4.0271	3.8309	2.8459
	September	4.0271	3.8309	2.8459
	October	4.0271	3.8309	2.8459
	November	4.0271	3.8309	2.8459
	December	4.0271	3.8309	2.8459
2010				
	January	4.0271	3.8309	2.8459
	February	4.0271	3.7710	2.8459
	March	4.5046	4.0557	2.9425
	April	4.3761	4.0367	2.9630
	May	4.3930	4.1113	2.9570
	June	4.3431	4.0250	2.8948
	July	4.5649	4.0686	2.9189
	August	4.6187	4.0167	2.9180
	September	4.6103	4.0156	2.9166
	October	4.6096	4.0156	2.9176
	November	4.6201	4.0230	2.9193
	December	4.6484	4.0890	2.6651
2011				
	January	4.6576	4.0967	2.6665
	February	4.6602	4.0967	2.6692
	March	4.6727	4.1004	2.6729
	April	4.6786	4.0996	2.6751
	May	4.6735	4.0971	2.6739
	June	5.0196	4.0953	2.6745
	July	5.0140	4.0976	2.6742
	August	5.0056	4.0726	2.6719
	September	5.0154	4.0768	2.9286
	October	5.0105	4.0743	2.9279

Source: NPC Website

Annex 5. Status of Rules Change Proposal in RCC

Proposed Changes	Rationale of Changes	Status
Proposed new WESM Manual on	The proposed new WESM Manual sets out the rules and procedures on	On 04 May 2011, the RCC Deliberated and
Registration, Suspension and	registration and suspension set forth in the WESM Rules and the DOE	approved by the RCC on 04 May 2011 with
Deregistration Criteria and	Circular No. DC2010-08-0010 dated 23 August 2010 on the	general amendments, which were
Procedures.	implementation of the disconnection policy.	subsequently submitted to the PEM Board
		on 12 May 2011, for approval.
Proposed amendments to the WESM	The proposed changes specify a prescribed period within which the	On 04 May 2011, the RCC deliberated and
Rules and Billing & Settlement	Market Operator shall issue the final statement adjustments. Specifically,	approved the following as general
Manual.	the MO should already issue the adjustments within twelve (12) calendar	amendments, which were subsequently
	months after the dispute on the final statement has been resolved or six	submitted to the PEM Board on 12 May
	(6) calendar months after the error has been identified.	2011, for approval.
Proposed Changes to the WESM	The urgent rules change proposal introduces changes to the existing	The proposed urgent amendments were
Rules on Dispute Resolution	WESM dispute resolution structure/mechanism where the mediator and	approved by the RCC during its meeting
Provisions.	arbitrators shall no longer form part of the Dispute Resolution Group	on 08 June 2011.
	(DRG) and the DRG shall no longer be a PEM Board Committee. The	
	proposal likewise provides that the mediators and arbitrators for dispute	
	resolution cases shall be sourced from a pool of accredited mediators and	
	arbitrators from certified alternative dispute resolution providers.	
Proposed Amendments to the WESM	The proposed amendments involve revisions on the compensation and	Submitted by PEMC on 07 June 2011
Manual on the Management of Must-	settlement mechanism to comply with ERC Order dated 6 February 2008	
Run Units.	in ERC Case No. 2006-007 RC, as well as provide for regional application of	
	the methodology for allocating the MRU settlement. For this purpose,	
	regional application means that the application of cost recovery will be	
	applied only to the region where the must-run unit is implemented. The	
	proposal likewise involves revisions on the flowchart to reflect the current	
	procedures being followed by the System Operator (SO) in designating and	
	scheduling of MRUs.	
Proposed New WESM Manual on the	The proposed new WESM Manual documents the manner by which the	It was approved by the PEM Board during
Segregation of Line Rental.	line rental trading amount is computed in the WESM and provides the	its meeting on 25 August 2011.
	methodology for segregating line rental trading amounts into cost of losses	
	and congestion.	

Annex 6 – Status of Technical Committee's Review and Monitoring of Technical Matters under the Grid Code, Distribution Code and the WESM Rules

Proposed Changes	Rationale of Changes/Review	Status
Proposed Amendments to the	In general, the TC does not agree with the said proposal to include	The Technical Committee submitted its comments
"Must-Offer" Rule;	the coal requirement as a constraint in not offering all its available	regarding the proposal to the RCC on 5 April 2011.
	capacity considering that this commercial in nature.	This amendment is proposed the Aboitiz Power Corp.
Proposed WESM Manual for	The TC recommended the use of information contained in the	The Technical Committee submitted its comments
Registration, Suspension and	Certificate of Compliance issued by the ERC, such as the generator's	regarding the proposal to the RCC on 5 April 2011.
Deregistration	maximum and minimum stable loading (Pmax/min) and ramp rates.	
Review of Forced and Scheduled	The review suggests the need to harmonize the definition and the	On 09 June 2011, the TC submitted the result of its
Outages, including Deactivated and	use of these terms to the current market set up consistent with the	review of the power plant outage classifications such
Reserve Shutdown	Grid Code and the WESM Rules and Manuals.	as forced and scheduled outages, and deactivated and
		reserve shutdown to the MSC.
Review of Dispatch Tolerance	Upon the request of the MSC, the TC commenced its technical review	The TC has requested inputs from NGCP on the
Limits	of the WESM dispatch tolerance limit, which is initially set at +/- 3	dispatch tolerance standards, which will serve as
	%. The initial results of the review showed that under the WESM	reference for the TC's review.
	Rules Sections 3.8.7.1 and 3.8.7.2, dispatch tolerances must be	
	issued by the System Operator for each type of plant and location in	
	accordance with the Grid Code and Distribution Code.	
Proposed Definition of Adverse	To determine the extent of impact to the grid of a non-compliance to	The TC has agreed to adopt the definition of "material
Effect	the WESM Rules, the TC has requested from the NGCP-SO	effect" under the Grid Code.
	information on actual incidents of material incidences of non-	
	compliance with the RTD schedule/ dispatch instruction that have	
	affected the safety of the grid leading to problems involving power	
	quality, system reliability, system loss and safety.	

Source: PEMC

Annex 7. Metered Quantity, Spot Quantity, Bilateral Quantity (MWh)

	ng Month	Metered Quantity	Spot Quantity (Load), MWh	%	Bilateral Contract Quantity, MWh	%
1	Jul-2006	3.094.164.95	1.355.434.37	44%	1.738.730.58	56%
2	Aug-2006	3.147.800.36	1.159.428.23	37%	1,988.372.13	63%
3	Sep-2006	3.314.855.13	1.291.334.84	39%	2.023.520.30	61%
4	Oct-2006	2.873.285.25	1.224.467.60	43%	1.648.817.65	57%
5	Nov-2006	3.234.958.03	1.069.288.10	33%	2.165.669.93	67%
6	Dec-2006	2.972.091.65	519.152.06	17%	2.452.939.59	83%
7	Jan-2007	3.035.805.04	589.925.05	19%	2.445.879.99	81%
8	Feb-2007	3.102.610.89	510.281.30	16%	2.592.329.59	84%
9	Mar-2007	2.980.658.77	536.155.65	18%	2.444.503.12	82%
10	Apr-2007	3.407.504.68	698.602.96	21%	2.708.901.72	79%
11	May-2007	3.460.944.49	503.878.03	15%	2.957.066.46	85%
12	Jun-2007	3.561.655.99	805.535.91	23%	2.756.120.08	77%
13	Jul-2007	3.408.973.90	531.237.60	16%	2.877.736.29	84%
14	Aug-2007	3.286.050.22	460.225.65	14%	2.825.824.57	86%
15	Sep-2007	3.362.494.13	358.578.07	11%	3.003.916.06	89%
16	Oct-2007	3.229.031.96	247.585.19	8%	2.981.446.77	92%
17	Nov-2007	3.204.655.78	346.596.90	11%	2.858.058.88	89%
18	Dec-2007	3.083.441.24	371.343.26	12%	2.712.097.98	88%
19	Jan-2008	3,131,009.80	411,372.54	13%	2,719,637.26	87%
20	Feb-2008	3.212.635.82	454.532.74	14%	2.758.103.08	86%
21	Mar-2008	3.041.008.30	354.398.37	12%	2.686.609.93	88%
22	Apr-2008	3.634.855.57	634.329.07	17%	3.000.526.50	83%
23	May-2008	3.323.367.13	356.234.23	11%	2.967.132.90	89%
24	Jun-2008	3.538.106.32	400.132.11	11%	3.137.974.21	89%
25	Jul-2008	3.435.104.78	408.863.87	12%	3.026.240.91	88%
26	Aug-2008	3.399.912.16	372.803.00	11%	3.027.109.16	89%
27	Sep-2008	3.530.050.75	511.447.58	14%	3.018.603.17	86%
28	Oct-2008	3.421.671.57	466.154.42	13.6%	2.955.517.15	86%
29	Nov-2008	3.447.266.38	535.759.02	15.5%	2.911.507.37	84%
30	Dec-2008	3.151.245.74	545.175.13	17.3%	2.606.070.61	83%

Annex 7. Metered Quantity, Spot Quantity, Bilateral Quantity (MWh)

	ng Month	Metered Quantity	Spot Quantity (Load), MWh	%	Bilateral Contract Quantity, MWh	%
31	Jan-2009	2.906.720.56	604.622.65	20.8%	2.302.097.92	79%
32	Feb-2009	3.358.810.66	766.465.14	22.8%	2.592.345.53	77%
33	Mar-2009	3.222.969.29	537.701.69	16.7%	2.685.267.60	83%
34	Apr-2009	3.503.547.55	414.910.72	11.8%	3.088.636.83	88%
35	May-2009	3.463.438.29	516.030.34	14.9%	2.947.407.95	85%
36	Jun-2009	3.608.313.89	475.456.08	13.2%	3.132.857.82	87%
37	Jul-2009	3.538.571.31	357.675.26	10.1%	3.180.896.05	90%
38	Aug-2009	3.671.459.51	586.189.83	16.0%	3.085.269.69	84%
39	Sep-2009	3.652.903.81	486.078.85	13.3%	3.166.824.96	87%
40	Oct-2009	3.347.101.84	512.979.44	15.3%	2.834.122.40	85%
41	Nov-2009	3.575.986.76	474.059.82	13.3%	3.101.926.94	87%
42	Dec-2009	3.381.576.00	447.970.83	13.2%	2.933.605.16	87%
43	Jan-2010	3.391.691.08	464.968.76	13.7%	2.926.722.32	86%
44	Feb-2010	3.709.258.54	678.908.20	18.3%	3.030.350.34	82%
45	Mar-2010	3.496.870.27	479.469.01	13.7%	3.017.401.26	86%
46	Apr-2010	3.785.877.48	587.784.31	15.5%	3.198.093.17	84%
47	May-2010	4.025.236.25	632.741.76	15.7%	3.392.494.49	84%
48	Jun-2010	4.120.067.20	711.151.61	17.3%	3.408.915.59	83%
49	Jul-2010	3.705.460.47	594.644.27	16.0%	3.110.816.20	84%
50	Aug-2010	3.900.844.43	462.747.56	11.9%	3.438.096.86	88%
51	Sep-2010	3.893.171.32	321.815.88	8.3%	3.571.355.44	92%
52	Oct-2010	3.721.843.57	363.704.17	9.8%	3.358.139.40	90%
53	Nov-2010	3.791.123.99	448.742.73	11.8%	3.342.381.26	88%
54	Dec-2010	3.618.918.64	403.623.82	11.2%	3.215.294.82	89%
55	Jan-2011	4.065.400.56	272.481.78	6.7%	3.792.918.77	93%
56	Feb-2011	4.405.384.21	470.203.49	10.7%	3.935.180.72	89%
57	Mar-2011	4.072.738.35	263.789.55	6.5%	3.808.948.79	94%
58	Apr-2011	4,313,514.71	202,777.98	5%	4,110,736.73	95%
59	May-2011	4,675,217.40	399,466.39	9%	4,275,751.00	91%
60	Jun-2011	4,665,692.14	453,082.12	10%	4,212,610.01	90%

Annex 7. Metered Quantity, Spot Quantity, Bilateral Quantity (MWh)

Billing Month		Metered Quantity	Spot Quantity (Load), MWh	%	Bilateral Contract Quantity, MWh	%
61	Jul-2011	4,496,424.04	358,118.31	8%	4,138,305.73	92%
62	Aug-2011	4,588,527.67	280,049.63	6%	4,308,478.03	94%
63	Sep-2011	4,591,257.49	364,979.67	8%	4,226,277.81	92%
64	Oct-2011	4,359,048.50	435,802.47	10%	3,923,246.03	90%

Source: PEMC

Annex 8. Demand and Energy Offers (MW)

	ng Month	Peak Demand	Coincidental Energy Offers	Average Demand	Average Energy Offers	_	rage ity on age
1	Jul-2006	6,111	7,185	4,778	6,242		2,634
2	Aug-2006	5,888	5,950	4,634	6,027		2,094
3	Sep-2006	6,113	6,705	4,887	6,446		1,743
4	Oct-2006	5,895	6,653	4,323	5,818		1,866
5	Nov-2006	5,894	5,808	4,715	5,769		2,223
6	Dec-2006	5,869	5,925	4,468	5,257		3,188
7	Jan-2007	5,739	5,794	4,407	5,250		1,815
8	Feb-2007	6,021	5,965	4,529	5,371		1,737
9	Mar-2007	6,108	5,747	4,845	5,362		1,846
10	Apr-2007	6,559	6,268	4,991	5,284		1,769
11	May-2007	6,590	6,831	5,249	5,766		770
12	Jun-2007	6,547	6,308	5,187	5,631		1,137
13	Jul-2007	6,413	5,384	5,124	5,099		1,454
14	Aug-2007	6,339	6,015	4,880	5,675		953
15	Sep-2007	6,376	6,073	4,894	5,568		1,440
16	Oct-2007	6,103	6,260	4,872	5,723		1,725
17	Nov-2007	6,088	5,964	4,659	5,833		1,608
18	Dec-2007	6,092	5,989	4,645	5,529		1,106
19	Jan-2008	5,949	6,495	4,564	5,594		1,166
20	Feb-2008	6,034	5,880	4,676	5,410		1,618
21	Mar-2008	6,205	5,664	4,725	5,337		1,800
22	Apr-2008	6,619	6,584	5,301	5,949		1,149
23	May-2008	6,590	7,141	5,035	6,344		967
24	Jun-2008	6,681	6,733	5,159	6,639		860
25	Jul-2008	6,512	6,401	5,164	5,909		1,168
26	Aug-2008	6,373	6,795	4,948	6,189		1,459
27	Sep-2008	6,448	6,516	5,120	6,534		1,300
28	Oct-2008	6,520	6,316	5,124	5,825		1,845
29	Nov-2008	6,395	6,361	4,986	5,828		1,204
30	Dec-2008	6,338	6,826	4,711	6,327		946
31	Jan-2009	6,050	6,512	4,191	5,603		1,472
32	Feb-2009	6,421	6,240	4,853	5,969		1,281
33	Mar-2009	6,638	6,721	5,167	6,315		1,104
34	Apr-2009	6,810	7,220	5,068	6,374		1,383
35	May-2009	6,842	7,493	5,157	6,788		1,250
36	Jun-2009	6,932	7,374	5,203	6,876		1,432
37	Jul-2009	6,819	7,482	5,258	6,875	980	
38	Aug-2009	6,833	7,263	5,255	6,692	1,577	
39	Sep-2009	6,870	7,044	5,228	7,007	1,592	
40	Oct-2009	6,501	6,532	4,935	6,511		2,427
41	Nov-2009	6,585	7,474	5,141	6,912	52	1,024

Annex 8. Demand and Energy Offers (MW)

Timex 0	. Demana and	i Ellergy Offers (
Billin	ng Month	Peak Demand	Coincidental Energy Offers	Average Demand	Average Energy Offers	Average Capacity on Outage
42	Dec-2009	6,564	7,195	5,070	6,720	1,176
43	Jan-2010	6,391	6,266	4,902	5,813	2,071
44	Feb-2010	6,877	6,783	5,435	5,592	2,520
45	Mar-2010	7,037	6,347	5,683	5,864	1,867
46	Apr-2010	7,296	7,169	5,574	6,079	1,696
47	May-2010	7,558	7,152	6,101	6,932	631
48	Jun-2010	7,643	7,791	6,027	6,618	1,245
49	Jul-2010	7,242	7,447	5,605	6,247	1,712
50	Aug-2010	7,042	7,049	5,699	6,780	1,737
51	Sep-2010	7,039	7,170	5,656	6,480	2,193
52	Oct-2010	7,044	6,731	5,576	5,986	2,445
53	Nov-2010	6,842	6,857	5,512	6,229	2,214
54	Dec-2010	6,902	7,028	5,543	6,354	2,121
55	Jan-2011	6,587	6,778	5,035	6,299	
56	Feb-2011	6,864	7,161	5,366	6,796	
57	Mar-2011	6,973	7,655	5,484	7,279	
58	Apr-2011	7,037	7,419	5,384	6,953	
59	May-2011	7,507	7,326	6,059	6,892	
60	Jun-2011	7,530	7,338	5,828	6,964	
61	Jul-2011	7,404	7,742	5,814	6,722	
62	Aug-2011	7,188	7,394	5,699	6,847	
63	Sep-2011	7,099	7,039	5,686	6,789	
บอ	3ep-2011	7,099	7,039	3,000	0,709	

Source: PEMC

Note: For the average capacity on outage column, data for the previous months pertain to outage based on ACNO (available capacity not offered)

Starting Feb 2010, data will be based on per unit; the same is also published in monthly reports and WESM exchange.

Annex 9. Generation Mix (%)

	ng Month	Hydro	Geo	Coal	Nat Gas	D/0	Wind	Biofuel
1	1	12.53%	9.28%	33.67%	43.16%	•	0.09%	Dioluei
	Jul-06					1.27%		
2	Aug-06	21.78%	8.89%	24.27%	44.91%	0.08%	0.07%	
3	Sep-06	18.37%	9.29%	29.71%	42.49%	0.09%	0.04%	
4	Oct-06	13.81%	6.34%	28.65%	49.74%	1.25%	0.21%	
5	Nov-06	15.72%	7.03%	26.93%	47.25%	2.90%	0.17%	
6	Dec-06	17.15%	6.58%	30.53%	35.12%	10.24%	0.38%	
7	Jan-07	11.72%	6.61%	30.30%	50.47%	0.61%	0.30%	
8	Feb-07	10.76%	9.57%	28.08%	49.97%	1.46%	0.15%	
9	Mar-07	8.62%	9.46%	33.48%	45.65%	2.66%	0.14%	
10	Apr-07	6.67%	8.83%	31.52%	46.03%	6.84%	0.11%	
11	May-07	5.12%	7.47%	36.34%	48.21%	2.80%	0.06%	
12	Jun-07	9.29%	8.88%	32.39%	44.63%	4.80%	0.02%	
13	Jul-07	8.93%	9.57%	32.21%	39.69%	9.56%	0.04%	
14	Aug-07	9.29%	10.14%	33.72%	44.87%	1.88%	0.09%	
15	Sep-07	11.80%	10.62%	29.68%	47.24%	0.61%	0.04%	
16	Oct-07	16.15%	11.26%	31.15%	39.86%	1.35%	0.23%	
17	Nov-07	17.07%	11.54%	31.76%	38.46%	0.91%	0.28%	
18	Dec-07	16.09%	11.71%	30.97%	37.42%	3.61%	0.20%	
19	Jan-2008	11.32%	11.60%	31.77%	43.24%	1.83%	0.25%	
20	Feb-2008	11.76%	11.48%	29.86%	43.77%	2.86%	0.26%	
21	Mar-2008	11.92%	10.85%	21.28%	52.86%	2.88%	0.21%	
22	Apr-2008	7.68%	9.93%	29.26%	48.43%	4.63%	0.07%	
23	May-2008	12.08%	10.07%	27.65%	49.28%	0.85%	0.08%	
24	Jun-2008	14.92%	10.23%	28.65%	45.09%	1.09%	0.03%	
25	Jul-2008	12.88%	9.40%	29.65%	42.99%	5.04%	0.04%	
26	Aug-2008	15.07%	11.42%	21.23%	47.02%	5.18%	0.08%	
27	Sep-2008	14.91%	10.41%	24.68%	45.40%	4.54%	0.05%	
28	Oct-2008	15.37%	9.31%	32.54%	39.82%	2.84%	0.12%	
29	Nov-2008	10.92%	9.59%	36.02%	40.69%	2.61%	0.18%	
30	Dec-2008	11.44%	9.28%	33.34%	45.08%	0.57%	0.29%	
31	Jan-2009	11.61%	12.99%	36.68%	37.97%	0.34%	0.40%	
32	Feb-2009	10.16%	10.24%	35.38%	42.23%	1.81%	0.17%	
33	Mar-2009	7.77%	10.10%	32.95%	46.79%	2.31%	0.09%	
34	Apr-2009	6.17%	9.72%	32.54%	46.65%	4.76%	0.15%	
35	May-2009	11.42%	8.92%	29.58%	44.95%	4.95%	0.17%	
36	Jun-2009	14.27%	8.46%	26.88%	45.88%	4.44%	0.08%	
37	Jul-2009	13.85%	8.33%	30.58%	45.82%	1.38%	0.04%	
38	Aug-2009	17.95%	7.75%	26.92%	43.92%	3.42%	0.04%	
39	Sep-2009	17.01%	7.12%	24.69%	47.59%	3.56%	0.04%	
40	Oct-2009	21.46%	8.08%	20.64%	46.80%	2.92%	0.11%	
41	Nov-2009	11.41%	8.84%	30.12%	46.82%	2.62%	0.19%	
42		9.76%	8.91%	30.80%	48.50%	1.79%	0.24%	
72	Dec-2009	9.7070	0.71%	30.00%	40.50%	1.7 770	0.4470	

Annex 9. Generation Mix (%)

Billi	ng Month	Hydro	Geo	Coal	Nat Gas	D/0	Wind	Biofuel
43	Jan-2010	9.58%	9.76%	30.48%	45.93%	3.97%	0.28%	
44	Feb-2010	8.19%	8.04%	42.71%	32.69%	8.27%	0.10%	
45	Mar-2010	6.45%	8.56%	46.90%	28.70%	9.30%	0.08%	
46	Apr-2010	4.53%	7.46%	43.11%	37.75%	7.00%	0.15%	
47	May-2010	3.86%	6.51%	44.52%	40.50%	4.57%	0.04%	
48	Jun-2010	4.69%	6.46%	42.54%	40.69%	5.58%	0.04%	
49	Jul-2010	8.75%	6.47%	35.74%	41.20%	7.81%	0.02%	
50	Aug-2010	11.25%	6.51%	35.38%	41.44%	5.28%	0.14%	
51	Sep-2010	11.36%	6.56%	33.22%	44.17%	4.62%	0.06%	
52	Oct-2010	9.87%	7.46%	33.21%	43.92%	5.46%	0.08%	
53	Nov-2010	12.15%	7.51%	34.93%	42.51%	2.64%	0.26%	
54	Dec-2010	9.70%	7.70%	37.60%	42.70%	2.00%	0.30%	
55	Jan-2011	8.30%	18.00%	39.10%	33.10%	1.10%	0.30%	0.006%
56	Feb-2011	7.66%	16.58%	34.94%	39.66%	0.93%	0.22%	0.009%
57	Mar-2011	7.07%	15.25%	38.49%	38.16%	0.72%	0.25%	0.071%
58	Apr-2011	8.3%	18.0%	39.8%	32.9%	0.7%	0.312%	0.013%
59	May-2011	7.6%	16.7%	35.0%	39.4%	1.0%	0.218%	0.023%
60	Jun-2011	7.1%	15.2%	38.4%	38.0%	1.1%	0.239%	0.050%
61	Jul-2011	5.6%	15.9%	39.8%	37.6%	0.8%	0.219%	0.122%
62	Aug-2011	4.4%	14.6%	42.2%	35.7%	2.9%	0.056%	0.036%
63	Sep-2011	5.8%	15.1%	41.1%	36.9%	1.0%	0.049%	0.000%
64	Oct-11	13.7%	14.3%	34.6%	34.3%	3.1%	0.100%	0.006%

Source: PEMC

Annex 10. Effective Settlement Prices

Annex 10. Effective Settlement Prices EFFECTIVE SETTLEMENT PRICES (PhP/MWh)							
1	Billing Month	ESP (w/ Surplus)	ESP (w/o Surplus)	Cumulative Average ESP			
1	Jul-2006	3,255.36	3,094.12	3,152			
2	Aug-2006	3,767.94	3,577.67	3,373			
3	Sep-2006	4,129.05	4,129.05	3,624			
4	Oct-2006	4,159.09	4,159.09	3,750			
5	Nov-2006	6,092.03	5,746.92	4,115			
6	Dec-2006	9,807.99	8,731.92	4,542			
7	Jan-2007	3,981.62	3,791.67	4,481			
8	Feb-2007	4,932.45	4,810.36	4,501			
9	Mar-2007	5,936.19	5,370.34	4,560			
10	Apr-2007	8,738.61	8,592.97	4,871			
11	May-2007	7,555.25	6,484.51	4,962			
12	Jun-2007	7,164.04	6,031.63	5,062			
13	Jul-2007	8,768.71	8,350.31	5,223			
14	Aug-2007	4,626.97	4,348.65	5,196			
15	Sep-2007	4,309.14	3,538.37	5,147			
16	Oct-2007	6,244.44	3,599.09	5,119			
17	Nov-2007	5,276.00	2,618.23	5,056			
18	Dec-2007	6,793.73	6,425.61	5,098			
19	Jan-2008	2,551.23	2,278.66	5,010			
20	Feb-2008	5,729.20	5,389.93	5,024			
21	Mar-2008	6,723.81	6,373.18	5,060			
22	Apr-2008	6,006.01	5,545.63	5,085			
23	May-2008	2,315.63	1,734.50	5,005			
24	Jun-2008	3,370.16	2,100.68	4,933			
25	Jul-2008	16,600.93	7,872.34	5,037			
26	Aug-2008	4,124.77	4,124.77	5,016			
27	Sep-2008	3,911.62	3,911.62	4,981			
28	Oct-2008	4,009.38	4,009.38	4,955			
29	Nov-2008	5,520.95	4,833.61	4,954			
30	Dec-2008	1,244.97	786.69	4,831			
31	Jan-2009	1,881.33	1,797.76	4,733			
32	Feb-2009	3,062.87	2,893.06	4,662			
33	Mar-2009	3,395.09	2,774.35	4,614			
34	Apr-2009	4,350.10	3,798.38	4,598			
35	May-2009	2,871.07	2,516.38	4,548			
36	Jun-2009	2,519.61	2,207.39	4,497			
37	Jul-2009	3,294.88	2,041.02	4,459			
38	Aug-2009	2,291.13	1,986.39	4,395			
39	Sep-2009	2,080.29	1,148.78	4,328			
40	Oct-2009	1,445.37	1,396.63	4,264			

	EFFECTIVE SETTLEMENT PRICES (PhP/MWh)								
1	Billing Month	ESP (w/ Surplus)	ESP (w/o Surplus)	Cumulative Average ESP					
41	Nov-2009	2,287.51	2,089.83	4,221					
42	Dec-2009	3,656.20	3,304.74	4,205					
43	Jan-2010	4,559.03	4,425.10	4,209					
44	Feb-2010	11,286.94	10,999.48	4,393					
45	Mar-2010	13,383.73	12,253.53	4,541					
46	Apr-2010	8,873.98	8,725.72	4,635					
47	May-2010	8,467.56	7,933.40	4,714					
48	Jun-2010	8,737.16	8,265.95	4,807					
49	Jul-2010	10,542.92	9,089.57	4,902					
50	Aug-2010	5,952.68	5,034.90	4,906					
51	Sep-2010	8,980.91	7,508.47	4,936					
52	Oct-2010	10,276.10	9,543.00	4,993					
53	Nov-2010	7,492.27	7,011.72	5,024					
54	Dec-2010	6,824.19	6,394.00	5,043					
I	Billing Month	Customer ESSP							
55	Jan-2011	3,388							
56	Feb-2011	3,453							
57	Mar-2011	2,554							
58	Apr-2011	3,404							
59	May-2011	6,408							
60	Jun-2011	4,189							
61	Jul-2011	5,179							
62	Aug-2011	4,395							
63	Sep-2011	5,035							
64	Oct-2011	8,192							

Source: PEMC

	rivate Sector Initiated	Power Projects (Lu.	zonj as oj novem	ber 2011		
Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
	COAL			3,035.00		
Committed	2 X 300 MW Coal- Fired Power Plant	GN Power	Mariveles, Bataan	600	Under construction	Unit 1 (300 MW) - August 2012 Unit 2 (300 MW) - October 2012
Indicative	Puting Bato Coal Fired Power Plant	Trans-Asia Oil and Energy Development Corporation	Brgy. Puting Bato West, Calaca, Batangas	135	Purchase of land signed on January 2010; EPC contractor was awarded to DMCI; DENR-ECC issued on April 2010; on-going negotiations with financial institutions and Semirara Corporation for the coal supply.	September 2014
Indicative	2 X 300 MW Coal- Fired Power Plant	Redondo Peninsula Energy, Inc.	Sitio Naglatore, Cawag, Subic	600	Environmental Compliance Certificate Unit 1 on 2007 and Unit II on Q4 2011, Grid Impact Studies, other permits obtained; ongoing financing arrangements; request for proposal of engineering, equipment procurement and construction of plant issued with award to be given on Dec. 2011; site preparation construction ongoing; 52% owned by Meralco PowerGen Corp. (MPGC)	Phase I - Q4 2014 Phase II - Q2 2015
Indicative	Quezon Power Expansion Project	Quezon Power Phils.	Mauban, Quezon	500	Development Stage	December 2016
Indicative	SLPGC Coal-Fired Power Plant	Southwest Luzon Power Generation Corporation	Brgy. San Rafael, Calaca, Batangas	600	Land Lease Agreement with PSALM secured; SEC registration approved; ongoing negotiations with off-takers; ECC application submitted to DENR; on-going GIS with NGCP	Phase I - 2014 Phase II - 2017
Indicative	2 X 300 Masinloc Expansion	AES Masinloc Power Partners Co., Inc.	Zambales	600	Grid Impact Studies obtained on January 7, 2011; Undergoing consultation with international / local banks; ECC Permit by August 2011.	Unit 3 (300 MW) - 1st Quarter 2015 Unit 4 (300 MW) - 2nd Quarter 2018

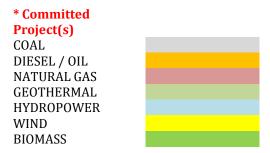
Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
	DIESEL			171.00		
Committed	CIP 2 Bunker Fired Power Plant	CIP II Power Corporation (TAOil)	Bacnotan, La Union	21	Completed ECC Ongoing GIS; EPC contractor awarded; financing from internal funds; construction started February 2011	February 2012
Indicative	Aero Derivative Combined Cycle Power Plant	Calamba Aero Power Corporation	Calamba, Laguna	150	On-going securing of permits and other regulatory requirements; granted clearance by DOE for the conduct of GIS	June 2013
	NATURAL GAS			850.00		
Indicative	2 X 100 MW Gas Turbine Power Project 2 X 50 MW Steam Turbine Power Project	Energy World International, Ltd	Brgy. Ibabang Polo, Grande Island, Pagbilao, Quezon	300	Various permits obtained; with financing from Standard Chartered Bank; awaiting DOE's permits for the LNG terminal	December 2013
Indicative	San Gabriel Power Plant	First Gas Power Corp.	San Gabriel, Batangas	550	Various permits obtained; Negotiations for financing arrangements to commence in 3Q 2011 with target completion in 2Q 2012; Discussion with OEM and EPC providers ongoing; Selection of equipment supplier and EPC provider by end 2011 to 1Q 2012	4th Quarter 2013
	GEOTHERMAL			140.00		
Committed	Maibarara Geothermal Power Project	Maibarara Geothermal, Inc.	Sto. Tomas, Batangas	20	Obtained Geothermal Service Contract with DOE; ECC obtained in August 2010; BOI Registration obtained in January 2011; Selected IEE Corp & Fuji Electric as main and subcontractors for the power plant EPC; Secured project financing with RCBC and BPI Capital; GIS from NGCP	September 2013

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
					completed in March 2011; Set signing of ESA with aggregator TAOil on Aug. 4, 2011	
Indicative	Tanawon Geothermal Project	Energy Development Corporation	Bacman Geothermal Field, Sorsogon	40	ECC certificate ongoing; LGU endorsement obtained; Water rights secured; turnkey contract for bidding	September 2015
Indicative	Rangas Geothermal Project	Energy Development Corporation	Bacman Geothermal Field, Sorsogon	40	ECC certificate ongoing LGU endorsement obtained; Water rights secured; Turnkey contract for bidding	September 2015
Indicative	Manito-Kayabon Geothermal Project	Energy Development Corporation	Bacman Geothermal Field, Sorsogon	40	ECC certificate obtained; LGU endorsement obtained; Water rights secured;	March 2017
	HYDROPOWER			150.00		
Indicative	Kanan Hydro Power Project	Kanan Hydro Electric Power Corp.	Gen. Nakar, Quezon Province	150	Fully complied with RE requirements; awaiting RE contract signing	December 2020
	WIND			453.50		
Committed	Pililla Wind Power Project	Alternergy Wind One Corporation	Pililla, Rizal	67.5	AWOC to finance 100% of the project	Q4 2012 (Subject to FIT)
Indicative	Pasuquin East Wind Energy Project Phase One	Energy Logistics Philippines, Inc.	Pasuquin, Ilocos Norte	45	ECC secured 15 June 2010; GIS secured Dec. 2010; Equity Investors committment secured; Selected Preferred EPC Turn-key Tenderer for both the wind energy farm and the connection assets	June 2013 (Subject to FIT)
Indicative	Burgos Wind Power Project	Energy Development Corporation	Nagsurot-Saoit, Burgos, Ilocos Norte	86	DOE Service contracts obtained; Civil Aviation Authority clearance obtained; DENR-ECC obtained; LGU endorsement obtained	December 2013 (Subject to FIT)

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
Indicative	Mabitac Wind Power Project	Altenergy Sembrano Wind Corporation	Mabitac, Rizal	90		2013
Indicative	Pasuquin East Wind Energy Project Phase Two	Energy Logistics Philippines, Inc.	Pasuquin, Ilocos Norte	75	ECC secured 15 June 2010; GIS secured Dec. 2010; Equity Investors commitment secured; Selected Preferred EPC Turn-key Tenderer for both the wind energy farm and the connection assets	February 2014 (Subject to FIT)
Indicative	Cavinti Wind Power Project	Altenergy Cavinti Wind Corporation	Cavinti, Laguna	50		2014
Indicative	Abra de Ilog Wind Power Project	Altenergy Abra de Ilog Wind Corporation	Abra de Ilog, Mindoro	40		2015
	BIOMASS			56.30		
Committed	Green Future Biomass Project	Green Future Innovations Inc.	Isabela	13	Construction started October 2010; 4.3 Billion loan from Banco de Oro already approved; permits and other requirements obtained	April 2012
Indicative	Unisan Biogas Project	Unisan Biogen Corporation	Quezon Province	11.2	LGU permits obtained; BOI certification obtained; EPC contract with Areva Bioenergy India; awaiting financial closure	December 2013
Indicative	Lucky PPH Biomass project	Lucky PPH International	Isabela	3.6	Various permits obtained; awaiting loan approval from Land Bank; awaiting PSA approval with ISELCO	December 2013
Indicative	17.5 MW Nueva Ecija Biomass Power Project	Green Power Nueva Ecija Philippines, Inc.	Brgy. Tambo- Tabuating, San Leonardo, Nueva Ecija	17.5	Various permits issued, MOA on the Establishment of Trust Account Obtained; ECC issued, Biomass Supply Contract obtained	December 2014
Indicative	San Jose City I Power Corporations' Biomass Project	San Jose City I Power Corporation	Nueva Ecija	11	Various permits obtained; awaiting financial closure	December 2014

Committed	Name of the Duciest	Project	Logation	Rated	Duningt Status	Target
/ Indicative	Name of the Project	Proponent	Location	Capacity (MW)	Project Status	Commissioning

Total Rated Capacity 4,855.80



Annex 12. Private Sector Initiated Power Projects (Visayas) as of November 2011

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
	COAL			446.00		
Indicative	CEDC Expansion Project (2 X 82 MW Coal- Fired Power Plant	Cebu Energy Development Corporation	Brgy. Daanlungsod, Toledo City, Cebu	164	Securing necessary permits; secured clearance from DOE for the conduct of GIS.	2015
Indicative	PEDC Expansion Project (1 X 82 MW Coal- Fired Power Plant)	Panay Energy Development Corporation	Brgy. Ingore, La Paz, Iloilo	82	Securing necessary permits; secured clearance from DOE for the conduct of GIS.	2015
Indicative	2 x 100 MW Concepcion Coal- fired power plant	Palm Thermal Consolidated Holdings Corp. (Formerly DMCI Concepcion Power Corp.)	Concepcion, Iloilo	200	Acquired land on Nov. 2010; permits and other requirements obtained; on-going negotiations with offtakers and DUs; ongoing negotiation for financing, target financial closing is Q2 2012; secured clearance from DOE for the conduct of GIS.	1st Unit - 3rd Qtr. 2014 2nd Unit - Sept. 2016
	GEOTHERMAL			100.00		
Committed	Nasulo Geothermal	Energy Development Corporation	Nasuji, Valencia, Negros Oriental	20	Obtaining necessary permits and requirements; Turnkey contracts for bidding	December 2013

Annex 12. Private Sector Initiated Power Projects (Visayas) as of November 2011

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
Indicative	Dauin Geothermal	Energy Development Corporation	Dauin, Negros Oriental	40	On-going feasibility studies; LGU endorsement obtained; water rights obtained	2017
Indicative	Southern Leyte Geothermal Project (formerly Cabalian Geothermal Project)	Energy Development Corporation	Southern Leyte	40	ECC obtained; LGU Endorsement obtained;	2019
	HYDROPOWER			8.00		
Committed	Villasiga HEP	Sunwest Water & Electric Co., Inc.	Sibalom, Antique	8	LGU endorsement done; Water Permit done; Reconnaisance Permit done; ECC certificate done; DOE Hydropower Service Contract done; BOI Registration done; with financing from Land Bank of the Philippines	December 2012
	WIND			54.00		

Annex 12. Private Sector Initiated Power Projects (Visayas) as of November 2011

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
Indicative	Guimaras Wind Power Project (8 MW & 46 MW)	Trans-Asia Oil and Energy Development Corporation	San Lorenzo, Guimaras Island	54	Securing various LGU permit; obtained DENR land classification; obtained ECC permit; submitted application for NCIP non covergae certificate to DENR; Grid Impact Studies under negotiation	8 MW - July 2012 46 MW - January 2013
	BIOMASS			116.00		
Committed	Asian Energy System Biomass Project	Asian Energy System Corporation	Cebu	4	Obtained necessary permits; Obtained ECC on February 2010; Loan approval from DBP granted on 25 May 2011.	2015
Indicative	2 x 17.5 MW Green Power Panay	Green Power Panay Philippines, Inc.	Brgy. Cabalabaguan, Mina, Iloilo	35	Various permits obtained (ECC, NWRB, LGU, DAR, NCIP, etc.); Electricity Supply Agreement with Ileco I (3 MW) and Ileco II (7 MW); Biomass supply contract obtained; Certificate of Endorsement from DOE obtained on April 30, 2010; Signed Engineering, Procurement and Construction Contract with Poyry Energy, Inc.	Phase I - December 2013 Phase II - December 2014
Indicative	Asea One Biomass Project	Asea One Power Corporation	Banga, Aklan	12	Obtaining necessary permits; Signed PSA with AKELCO; on-going negotiation for financing and EPC contractor	December 2013

Annex 12. Private Sector Initiated Power Projects (Visayas) as of November 2011

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
Indicative	Negros Biomass Power Project Phase 2	Green Power Negros Philippines, Inc.	Negros	35	Obtaining necessary permits, negotiation with NGCP on the conduct of GIS is ongoing; negotiation with local banks for financing is on-going	December 2014
Indicative	Asea One Biomass Project	Asea One Power Corporation	Ajuy, Iloilo	30	Obtained necessary permits; signed PSA with ILECO; awaiting financial closure	December 2014

Total Rated Capacity 724.00

* Committed
Project(s)
COAL
GEOTHERMAL
HYDROPOWER
WIND
BIOMASS

Annex 13. Private Sector Initiated Power Projects (Mindanao) as of November 2011

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Capacity Project Status	
	COAL			700.00		
Indicative	2 X 100 MW Southern Mindanao Coal Fired Power Station	Conal Holdings Corp.	Maasim, Sarangani	200	Various permits obtained; BDO, DBP, RCBC and UCPB have obtained their respective pre-clearances to enter into the transaction; financial closure expected by October 2011; Issuance of Notice to Proceed to the EPC Contractor is scheduled on November 2011; Testing and commissioning will commence 29 months after Notice to Proceed	2014
Indicative	2 X 150 MW Coal- Fired Therma South Energy Project	Therma South Inc. (Aboitiz Power Corporation)	Brgy. Binugao, Toril, Davao City and Brgy. Inawayan, Sta. Cruz, Davao Del Sur	300	Project cost Php 24B; Secured right to land; on-going negotiation for financing; various permits obtained; secured SEC, BIR, BOC, BOI, ECC permits	1st Quarter 2014
Indicative	Steag Expansion Project	Steag State Power Corp.	Phividec, Misamis Oriental	200	On-going feasibility study; on -going discussions with NPC/PSALM regarding the common facilities	December 2014
	OIL			27.50		
Committed	2 X 13.75 MW Bunker Fired Power Plant	Mindanao Energy Systems, Inc.	Tablon, Cagayan de Oro	27.5	Waiting for ERC approval on the Power Supply Agreement with CEPALCO	
	GEOTHERMAL			50.00		
Committed	Mindanao 3 Geothermal	Energy Development Corporation	Kidapawan, North Cotabato	50	Ongoing resource assessment; DENR ECC obtained; Land use permits obtained	September 2014

Annex 13. Private Sector Initiated Power Projects (Mindanao) as of November 2011

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
	HYDROPOWER			265.00		
Committed	2 X 4 MW Cabulig Mini-Hydro Power Plant	Mindanao Energy Systems, Inc.	Plaridel, Jasaan, Misamis Oriental	8	RE Service contract from DOE obtained; civil works started in November 2009; actual accomplishments as of Dec. 2010 is 27.33%	December 2012
Indicative	Agus 3 Hydroelectric Plant	Lanao Hydropower Development Corporation	Lanao del Norte	225	Updated feasibility study; secured ECC; signed Joint Sales agreement with NPC; Submitted application to DOE for the issuance of service contract on 07 June 2011.	December 2015
Indicative	Tagoloan Hydropower	Mindanao Hydro Power Corp.	Bukidnon	20	Completed feasibility study	December 2016
Indicative	12 MW Tamugan Hydropower Project	Hedcor	Baguio District, Davao City	12	Permits/government requirements already obtained: Certificate of Endorsement from DOE, GIS by NGCP, registered as Pioneering project from BOI	July 2018
	WIND			5.00		
Indicative	5 MW Camiguin Island Wind Power	Energy Development Corporation	Camiguin	5	Issued service contract; on going negotiations with lot owners	September 2015 (subject to FIT approval)
	BIOMASS			35.00		
Indicative	Bukidnon Biomass Power Project	Green Power Bukidnon Philippines, Inc.	Maramag, Bukidnon	35	Permits and other requirements obtained; selection process is on-going among local banks; letter of intent executed on March 24, 2009 with Poyry Energy, Inc. as EPC contractor	September 2013

Annex 13. Private Sector Initiated Power Projects (Mindanao) as of November 2011

Committed / Indicative	Name of the Project	Project Proponent	Location	Rated Capacity (MW)	Project Status	Target Commissioning
			Total Rated Capacity	1,082.50		
	* Committed Project(s) COAL OIL GEOTHERMAL HYDROPOWER WIND BIOMASS					

Annex 14 - ERC-Approved Capital Expenditure Projects (May 2011 – August 2011)

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED				
	2009 Network Projects								
	Ligaya Substation Uprating	Uprating of the Ligaya Substation from 5 MVA to 10 MVA	 To meet the increasing load and power needs of the customers To provide the reliable, environmentally acceptable service at reasonable cost 	9,091,705.00					
	Installation of 5 MVA Substation at the Municipality of Tupi	Construction of new 5 MVA Substation at the Municipality of Tupi (adjacent Municipality of Polomolok)	 To address the overloading problem of the existing 10 MVA Polomolok Substation and the power quality problem at the Municipality of Tupi 	41,354,082.00					
	Installation of Voltage Regulator at Purok Pulutana and at the Municipality of Malungon	Installation of 3-167 KVA Volatage Regulator at Purok Pulutana and 2-300 KVAR Capacitor at Malungon	• To improve the power quality and the system capacity	2,622,573.00					
South Cotabato II Electric Cooperative, Inc.	Installation of Voltage Regulator at the Municipality of Glan	Installation of 2-57.2 KVA Voltage Regulator at P189 Glan	• To improve the power quality in the area to year 2020	750,000.00	August 11, 2009/May 2, 2011				
(SOCOTECO II)	Rehabilitation with Conductor Uprating of Leon Lliedo Street to National Highway, 3 Phase Line	2.8 km conductor uprating project feeder 14-1 from Lliedo Street going to the National Highway	To improve the ampacity rating of the conductor and to develop feeder 14-1 into a loop system that can carry additional loads	888,290.00					
	Rehabilitation with Conductor Uprating at Rajah Muda, Barangay Bula	Conductor uprating for the portion of Rajah Muda, Barangay Bula using 1/0 insulated aluminum conductor	• To enhance the power reliability, safety, and efficiency in the area	70,375.00					
	Additional Circuit Feeder going to the Municipality of Maitum	Creation of another circuit feeder (feeder 13-3) going to Municipality of Maitum	 To provide first rate power quality and improve power reliability To enhance the reliability performance of the substation 	2,772,290.00					
	Installation of Down Line Feeder Sectionalizing Equipment	Installation of one (1) sectionalizing device and fuse cut out at Feeder 6-3	To develop a very reliable system	1,897,500.00					

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED
	Installation of Down Line Feeder Sectionalizing Equipment	Installation of one (1) sectionalizing device and thirty (30) units of cut out fuse at Feeder 3-2	To develop a very reliable system	952,500.00	
	Installation of Down Line Electronically Controlled Recloser at Feeder 7-3	Installation of Down Line Electronically Controlled Recloser at Feeder 7-3	To ensure public protection and safety	750,000.00	
	Installation of Down Line Electronically Controlled Recloser at Feeder 1-3	Installation of down line electronically controlled recloser at feeder 1-3	To ensure public protection and safety	750,000.00	
	Installation of Down Line Electronically Controlled Recloser at Feeder 11-1	Installation of Down Line Electronically Controlled Recloser at Feeder 11-1	To ensure public protection and safety	750,000.00	
	Procurement of Three (3) Units 15 kV (Noja) Outdoor Type Circuit Breaker	Procurement of three units 15 kV (Noja) outdoor type circuit breaker	To provide insurance against possible breakdown or failure of an equipment/component	1,750,000.00	
	Acquisition of 69 kV Subtransmission Lines from the National Transmission Corporation (TRANSCO)	Acquisition of the following lines: Klinan – New Society 69 kV Line – 8.56 km New Society – Lanoy 69 kV Line – 5.50 km Lanoy – GSDP 69 kV Line – 1.27 km Cargill – Siguel 69 kV Line – 10.13 km Klinan – Dolephil 69 kV Line – 10.81 km Klinan - Sari 69 kV Line – 17.36 km Sari – Glan 69 kV Line (with 1 ABS – 40.21 km GSC Airport 69 kV Line – 1.68 km Klinan - Maasim SC 69 kV Line (with 2 ABS) – 51.46 km Maasim – Kiamba SC 69 kV Line (with 2 ABS) – 44.01 km	To improve reliability	13,765,143.00	
	Construction of Primary Lines	Extension of primary distribution lines in the Municipalities of Polomolok, Maasim and General Santos City, with an estimated length of 3.962 kms of 3-phase primary lines and 2.462 kms of single phase line and meterings	To guarantee the availability of power for forecasted/anticipated eight (8) large load customers	6,012,654.00	
	Installation of Free Service Drop and kWhr Meter	Installation of free service drop of 30 meters, #6 duplex wire and kWh meters each for the forecasted/anticipated 6,087 residential customers	To ensure availability of electric power for forecasted/anticipated residential customers in various areas	14,670,422.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED
	Purchase and Installation of Distribution Transformers and Accessories	Purchase and installation of 77 units of distribution transformers (DT) of various capacity and DT accessories for the forecasted/anticipated 6,087 residential customers	To ensure availability of electric power for forecasted/anticipated residential customers in various areas	7,720,273.00	
	Construction of Low Voltage Lines	Construction of 51 meters low voltage line for the forecasted/anticipated 6,087 residential customers	To ensure availability of electric power for forecasted/anticipated residential customers in various areas	10,003,341.00	
		2010 Network Projects			
	Power Factor Correction Projects (Capacitor Installation)	Correction of power factor of 93.7%	• To improve the systems power factor to 99%	10,000,000.00	
	Rehabilitation with Conductor Uprating of Aparente Road 3 Phase Line	Rehabilitation of the 1.8 km phase line and uprating for feeder 14-2 at Apparente Street, Barangay City Heights	To enhance power efficiency and reliability	502,290.00	
	Looping of 69 kV Line to have a Dual Feed Substation (m1, m14)	Creation of a 4.65 km 69 kV subtransmission line from Leon Lliedo Street going to Crossing Makar	To increase reliability level	13,080,619	
	Installation of Down Line Feeder Sectionalizing Equipment	Installation of forty- five (45) pieces fuse cut out at Feeder 11-1	To improve system reliability	247,500.00	
	Installation of Down Line Feeder Sectionalizing Equipment	Installation of one (1) sectionalizing device and fuse cut out at Feeder 7-2	To improve system reliability	660,000.00	
	Installation of Down Line Feeder Sectionalizing Equipment	Installation of eighteen (18) pieces cut out fuse assembly at Feeder 3-1	To improve system reliability	99,000.00	
	Installation of Down Line Feeder Sectionalizing Equipment	Installation of two (2) sectionalizing device at feeder 4-1	To improve system reliability	2,394,500.00	
	Rehabilitation and Reconductoring of Duplex Secondary Lines at Barangay Bula (1.5 km total length)	Rehabilitation and Reconductoring of Duplex Secondary Lines at Barangay Bula	To ensure public protection and safety	250,000.00	
	Installation of Supervisory Control and Data Acquisition (SCADA) for 20/25 MVA Main Office Substation	Installation of SCADA for 20/25 MVA Main Office Substation	To improve data gathering and analysis on real time	3,000,000.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILEI APPROVEI
	Installation of Supervisory Control and Data Acquisition (SCADA) for 20/25 MVA Leon Lliedo Substation	Installation of SCADA for 20/25 MVA Leon Lliedo Substation	To improve data gathering and analysis on real time	3,000,000.00	
	Installation of Supervisory Control and Data Acquisition (SCADA) Control Station with Complete Facilities	Installation of SCADA Control Station with complete facilities at the Main Office Substation	To improve data gathering and analysis on real time	5,000,000.00	
	Procurement of one (1) unit 69 kV Outdoor Breaker and Control	Procurement of one (1) 69 kV outdoor breaker and control	To avoid/eliminate possible breakdown or failure of an equipment/component	2,600,000.00	
	Procurement of one (1) unit 15 kV (Siemens) Outdoor Type Circuit Breaker	Procurement of one (1) unit 15 kV (Siemens) Outdoor Type Circuit Breaker	To avoid/eliminate possible breakdown or failure of an equipment/component	1,900,000.00	
	Procurement of one (1) Set Station Class 69 kV Lightning Arresters	Procurement of one (1) Set Station Class 69 kV Lightning Arresters	To avoid/eliminate possible breakdown or failure of an equipment/component	500,000.00	
	Procurement of Two (2) Sets Station Class 15 kV Lightning Arresters	Procurement of Two (2) Sets Station Class 15 kV Lightning Arresters	To avoid/eliminate possible breakdown or failure of an equipment/component	150,000.00	
	Construction of Primary Lines	Extension of primary distribution lines in the Municipalities of Polomolok, Maasim and General Santos City, with an estimated length of 3.704 kms of 3-phase primary lines and 2.757 kms of single phase line and meterings	To guarantee the availability of power for prospective six (6) large load customers	5,722,903.00	
	Installation of Free Service Drop and Kwh Meter	Installation of free service drop of 30 mtrs, #6 duplex wire and kWhr meters each for the forecasted/anticipated 6,226 residential customers	To ensure availability of electric power for prospective residential customers in various areas	15,005,753.00	
	Purchase and Installation of Distribution Transformers and Accessories	Purchase and installation of 62 units of distribution transformers (DT) of various capacity and DT accessories for the forecasted/anticipated 6,226 residential customers	To ensure electric facilities for new customers	6,623,477.00	
	Construction of Low Voltage Lines	Construction of 41 meter low voltage line for the forecasted/anticipated 6,226 residential customers	To ensure availability of electric power for prospective residential customers in various areas	8,115,735.00	
		2011 Network Projects			
	Supervisory Control and Data Acquisition (SCADA) for 20/25 MVA Lanoy Calumpang	Installation of SCADA for 20/25 MVA Lanoy Calumpang Substation	To improve data gathering and analysis on real time	3,000,000.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED
	Construction of Primary Lines	Extension of primary distribution lines in the Municipalities of Polomolok, Maasim and General Santos City with an estimated length of 1.211 kms. Of 3-phase primary lines and 3.070 kms of single phase line and meterings	To guarantee the availability of electric power for prospective new five (5) large load customers	2,669,366.00	
	Installation of Free Service Drop and Kwh Meter	Installation of free service drop of 30 meters, #6 duplex wire and kWh meter each for the prospective 6,368 residential customers	• To ensure availability of electric power for prospective residential customers in various areas	15,347,699.00	
	Purchase and Installation of Distribution Transformers and Accessories	Purchase and installation of 54 units of distribution transformers (DT) of various capacity and DT accessories for the forecasted/anticipated6,368 residential customers	 To ensure availability of electric power for forecasted/anticipated residential customers in various areas 	5,473,281.00	
	Construction of Low Voltage Lines	Construction of 36 meters low voltage line for the prospective 6,368 residential customers	To ensure availability of electric power for prospective residential customers in various areas	7,091,859.00	
		2012 Network Projects			
	Installation of 25 MVA Substation in-between M1 and M14	Installation of 25 MVA Substation in-between M1 and M14	 To address substation capacity deficiency including customers requirements 	40,000,000.00	
	Installation of Down Line Feeder Sectionalizing Equipment	Installation of one (1) sectionalizing device and twelve (12) units of cut out fuse at Feeder 4-3	To improve system reliability	748,500.00	
	Installation of Down Line Feeder Sectionalizing Equipment	Installation of one (1) sectionalizing device at Feeder 9-3	To improve system reliability	866,250.00	
	Installation of Down Line Electronically Controlled Recloser at Feeder 13-1	Installation of Down Line Electronically Controlled Recloser at Feeder 13-1	To ensure public protection and safety	750,000.00	
	Construction of primary Lines	Extension of primary distribution lines in the Municipalities of Polomolok, Maasim and General Santos City, with an estimated length of 2.719 kms of 3-phase primary lines and metering	• To guarantee the availability of power for prospective three (3) large load customers	2,595,227.00	
	Installation of Free Service Drop and kWh Meter	Installation of free service drop of 30 mtrs, #6 duplex wire and kWh meters each for the prospective 6,513 residential customers	To ensure availability of electric power for prospective residential customers in various areas	5,349,685.00	
	Purchase and Installation of Distribution Transformers and Accessories	Purchase and installation of 53 units of distribution transformers (DT) of various capacity and DT accessories for the prospective 6,513 residential customers	 To ensure availability of electric power for forecasted/anticipated residential customers in various areas 	15,695,883.00	

PPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILE APPROVE
	Construction of Low Voltage Lines	Construction of 35 meters low voltage line for the prospective 6,513 residential customers	To ensure availability of electric power for prospective residential customers in various areas	6,931,713.00	
		2013 Network Projects			
	Installation of 25 MVA Substation in-between Calumpang and Fishport Substation	Installation of 25 MVA Substation in-between Calumpang and Fishport Substation	To reduce technical losses and improve power reliability	58,435,561.00	
	Installation of Down Line Feeder Electronically Controlled Recloser at Feeder 13-3	Installation of Down Line Feeder Electronically Controlled Recloser at Feeder 13-3	To ensure public protection and safety	750,000.00	
	Supervisory Control and Data Acquisition (SCADA) for 20/25 MVA Fishport Substation	Installation of SCADA for 20/25 MVA Fishport Substation	To improve data gathering and analyses on real time	3,000,000.00	
	Supervisory Control and Data Acquisition (SCADA) for 20 MVA New Society Substation	Installation of SCADA for 20 MVA New Society Substation	To improve data gathering and analyses on real time	3,000,000.00	
	Construction for Primary Lines	Extension of primary distribution lines in the Municipalities of Polomolok, Maasim and General Santos City, with an estimated length of 1.533 kms of 3-phase primary lines and meterings	To guarantee the availability of power for prospective three (3) new customers	2,206,049.00	
	Installation of Free Service Drop and kWh Meter	Installation of free service drop of 30 meters, #6 duplex wire and kWh meters each for the prospective 8,660 residential customers	To ensure availability of electric power for forecasted/anticipated residential customers in various areas	5,892,688.00	
	Construction of Low Voltage Lines	Construction of 39 meters low voltage for the prospective 6,660 residential customers	To ensure availability of electric power for prospective residential customers in various areas	7,635,296.00	
		2009 Non-Network Projects			
	Procurement of Laptop Computers	Procurement of twenty-six (26) units high-end laptop computers	To improve the performance of the engineers and technical staff To eliminate computational errors To improve the performance of the engineers and technical staff To eliminate computational	910,000.00	
	Acquisition of Engineering Softwares	Procurement of engineering softwares	To identify and quantify distribution system and efficiently manage distribution system data	500,000.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILEDA APPROVED
	Acquisition of Calport Metering Equipment	Acquisition of Calport 300 metering equipment	To test the accuracy and diagnose problems in the connection of electronic type of kWh meters installed	4,000,000.00	
	Procurement of Metering Laboratory	Procurement of an advance meter equipment test laboratory	 To test the effectiveness and efficiency of meters To ensure efficient and reliable service to the customers by upgrading the system and equipment 	1,500,000.00	
	Sub-office Online Wireless Connection	Centralized and comprehensive online wireless connection of ten (10) sub-offices to main office	To improve and align operations	2,065,000.00	
	Procurement of Read and Bill System using Rugged Meter Reading Device	Procurement of read and bill system using rugged meter reading device	To develop a fast, accurate and on-time billing to customers	2,600,000.00	
	Purchase of Five (5 Units Honda XR 200 Motorcycle	Purchase of five (5) units Honda XR 200 motorcycle for the use of the Technical Services Department	To improve response time in serving customers specially in remote and rural areas	500,000.00	
		2010 Non-Network Projects			
	Acquisition of Hotline/Live-Line Maintenance Tools	Use of hotline/live-line maintenance tools	To lessen frequency of interruption and shorten duration of power shutdowns	2,600,000.00	
	Procurement of Power Quality Analyzer	Procurement of Fluke 435 three-phase power quality analyzer	To address power quality problems	550,000.00	
	Procurement of Thermal Scanner	Purchase of thermal scanner	To detect equipment and distribution line hot spots	1,500,000.00	
	Substation Communication Improvement for Maasim and Kiamba Substations	Purchase of portable two-way radios with multi- features and channel choices	To improve communication between Maasim and Kiamba Substations	500,000.00	
	Purchase of One (1) Isuzu Pick-Up	Purchase of one (1) unit Isuzu pick-up for the use of the West Business unit	To improve customer service	1,700, 000.00	
	Purchase of One (1) Isuzu Pick-Up	Purchase of one (1) unit Isuzu pick-up for the use of the East Business unit	To improve customer service	1,700, 000.00	
	Purchase of One (1) Isuzu Pick-Up	Purchase of one (1) unit Isuzu pick-up for the use of the Technical Services Department	To improve customer service	1,700, 000.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILE APPROVE
		2011 Non-Network Projects			
	Acquisition of Plotter Printer	Purchase of plotter printer	To improve productivity	959,500.00	
	Purchase of One (1) Unit Isuzu Service Utility Vehicle (S.U.V.)	Purchase of One (1) Unit Isuzu Service Utility Vehicle (S.U.V.) for the use of the Institutional Services Department	To improve customer service	1,700,000.00	
	Purchase of Three (3) Units Honda XR-200 Motorcycles	Purchase of Three (3) Units Honda XR-200 motorcycles for the use of the Central Business Unit	To improve response time in serving customers specially those in remote and rural areas	300,000.00	
	Purchase of Three (3) Units Honda XR-200 Motorcycles	Purchase of Three (3) Units Honda XR-200 motorcycles for the use of the West Business Unit	To improve response time in serving customers specially those in remote and rural areas	300,000.00	
	Purchase of Three (3) Units Honda XR-200 Motorcycles	Purchase of Three (3) Units Honda XR-200 motorcycles for the use of the East Business Unit	To improve response time in serving customers specially those in remote and rural areas	300,000.00	
	Purchase of Three (3) Units Maintenance truck with Boom	Purchase of three (3) units maintenance truck with boom	To improve systems reliability	7,500,000.00	
		2012 Non-Network Projects			
	Purchase of One (1) Unit Isuzu Pick Up	Purchase of One (1) Unit Isuzu Pick Up for the use of Central Business Unit	To improve customer service	1,700,000.00	
	Purchase of Twelve (12) Units Honda XR-200 Motorcycles	Purchase of one (1) unit Isuzu pick up for the use of meter readers	To improve response time in serving customers specially those in remote and rural areas	1,200,000.00	
		2011 Network Projects			
Cebu II Electric Cooperative, Inc. CEBECO II)	Procurement and Installation of Voltage Regulators, Reclosers and Disconnect Switches	Procurement and installation of several units of voltage regulators, reclosers and switches at various feeders	To improve system reliability and minimize the energy not served of the system	12,949,000.00	January 7, 2011/June 2
	Installation of 10 MVA Carmen Substation	Procurement and installation of a new 10 MVA Substation in the Municipality of Carmen	To provide power reliability and additional substation and capacity	40,326,000.00	2011

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILEDA APPROVED
	69 kV Subtransmission Line Refurbishment Project	Procurement and replacement of deteriorating structures of the existing 69 kV subtranmission lines	To improve the existing Compostela-Medellin 69 kV subtranmission lines	9,213,000.00	
	Secondary Distribution Lines Development	Procurement and installation of #1/0 and #2/0 Aluminum Concrete Steel Reinforced (ACSR) conductors with a combined length of 50.76km and associated line hardware	To address the increase in the number of consumers	10,818,000.00	
	Additional Distribution Transformers	Procurement and installation of fifty-one (51) pieces pole mounted distribution transformers of various kVA ratings	To address consumer load growth	3,917,000.00	
	Additional Kilowatt Hour (kWh) Meters and Service Drop Wires	Procurement and installation of 4.040 new kWh meters and 121,200 meters of service drop wires and accessories	To accommodate new customers	15,707,000.00	
		2012 Network Projects			
	Primary Lines Development	Reconductoring of primary backbone lines of Guinsay Substation Feeder 1 from 2/0 Aluminum Concrete Steel Reinforced (ACSR) to 336.4 ACSR	To improve power reliability, voltage variation and system loss reduction	12,113,000.00	
	69 kV Subtransmission Line Development Project	Construction of 21.0 km 69 kV Subtransmission lines from Daan Bantayan to Medellin	To provide a single outage contingency provision to mitigate the frequent power outages brought by power transmission and generation constraints	38,107,000.00	
	Construction of Second Dayhagon Feeder	Procurement and installation of conductors, poles, line hardwares and switching/protection devices for the construction of the second feeder of the 10 MVA Dayhagon Substation	To address load growth and minimize the energy not served or delivered	4,314,000.00	
	Secondary Distribution Lines Development	Procurement and installation #1/0 and #2/0 Aluminum Concrete Reinforced (ACSR) conductors with a combined length of 51.35km and associated line hardware	To address the increase in the number of consumers	11,540,000.00	
	Additional Distribution Transformers	Procurement and installation of fifty-one (51) pieces pole mounted distribution transformers of various kVA ratings	To address consumer load growth	4,173,000.00	
	Additional Kilowatt-hour (kWr) Meters and Service Drop Wires	Procurement and installation of 3,971 new kWh meters and 119,130 meters of service drop wires and accessories	To accommodate new customers	16,406,000.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILI APPROVI
		2013 Network Projects			
	69 kV Substransmission Line Development Project	Installation of new customer accessories and kilowatt- hour meter in compliance with the connection standard set by PEC and PDC	To accommodate new customers	38,107,000.00	
	Secondary Distribution Lines Development	Procurement and installation of #1/0 and #2/0 Aluminum Concrete Steel Reinforced (ACSR) conductors with a combined length of 50.68 and associated line hardware	To address the consumer load growth	12,262,000.00	
	Additional Distribution Transformers	Procurement and installation of fifty-one (51) pieces pole mounted distribution transformers of various kVA ratings	To address load growth	4,429,000.00	
	Additional Kilowatt Hour (kWh) Meters and Service Drop Wires	Procurement and installation of 3.906 new kWh meters and 117,180 meters of service drop wires and accessories	To accommodate new customers	17,077,000.00	
		2014 Network Projects			
	Secondary Distribution Lines Development	Procurement and installation of #1/0 and #2/0 Aluminum Concrete Steel Reinforced (ACSR) conductors with a combined length of 50.91 and associated line hardware	To address the increase in the number of consumers	12,984,000.00	
	Additional Distribution Transformers	Procurement and installation of fifty-two (52) pieces pole mounted distribution transformers of various kVA ratings	To address the consumer load growth	4,788,000.00	
	Additional Kilowatt Hour (kWh) Meters and Service Drop Wires	Procurement and installation of 3,842 new kWh meters and 115,260 meters of drop wires and accessories	To accommodate new customers	17,717,000.00	
		2015 Network Projects			
	Secondary Distribution Lines Development	Procurement and installation of #1/0 and #2/0 Aluminum Concrete Steel Reinforced (ACSR) conductors with a combined length of 50.96 and associated line hardware	To address the increase in the number of consumers of different classes in the developing urban and rural areas	13,707,000.00	
	Additional Distribution Transformers	Procurement and installation of fifty-two (52) pieces pole mounted distribution transformers of various kVA ratings	To address the consumer load growth	5,050,000.00	
	Additional Kilowatt Hour (kWh) Meters and Service Drop Wires	Procurement and installation of 3,780 new kWh meters and 113,417.01 meters of service drop wires and accessories	To accommodate new customers	18,392,000.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED	
	2011 Non-Network Projects					
	Purchase of Vehicles	Procurement and maintenance of 31 units motorcycles, 7 units service trucks and 2 units boom trucks	 To improve mobility and response time in serving customers 	14,225,000.00		
	Purchase of Geographic Information System (GIS) and Segregator	Procurement of one (1) Geographic Information System (GIS) and one (1) Segregator	To increase operations efficiency through system automation, centralized data gathering and monitoring	3,600,000.00		
	Construction and Refurbishment of Offices	Construction of Carmen, Medillin, and Daan Bantayan Action Centers and Carmen Substation Lot	To improve consumer service efficiency and optimize available working space	11,500,000.00		
	Purchase of Generator Sets	Procurement of one (1) generator set for Bogo CEBECO II Office	To maximize office work output such as billing, collection, and resolution of consumer complaints by providing uninterrupted power to both offices	1,048,000.00		
	Insulation Power Factor Test Tool	Procurement of power factor test tool	 To increase the level of accuracy of substation power transformers and other power equipment particularly during the conduct of annual preventive maintenance 	1,800,000.00		
	Hot Line Tools and Equipment	Procurement of twelve (12) units hot line tools and insulated boom truck	To minimize power interruptions through maintenance/repair works on energized lines	475,000.00		
	Computers, Softwares, and Accessories	Procurement of three (3) units desktops, four (4) units laptops, two (2) units servers and forty (40) units softwares	To upgrade the level of computer operating system and data processing	978,000.00		
	Personnel Trainings and Seminars	Personnel trainings and seminars comprising of eight (8) sessions management seminars	Provision for personnel competence	600,000.00		
	Communication Equipment	Procurement of one (1) unit repeater, eleven (11) units hand held radio and nine (9) units base radio	To upgrade and speed-up relaying of information	461,000.00		
	Meter Test Rack	Procurement of equipment for testing and calibrating single and three phase energy meters	To increase the level of accuracy of demand monitoring/registration of member-consumers' billing	1,300,000.00		

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILE APPROVE
			meters		
		2012 Non-Network Projects			
	Purchase of Vehicles	Procurement and maintenance of 13 units motorcycles, 8 units service trucks and 2 units boom trucks	To improve mobility and response time in serving customers	14,220,000.00	
	Purchase of Supervisory Control and Data Acquisition (SCADA) System	Procurement of one (1) Supervisory Control and Data Acquisition (SCADA) System	To increase operations efficiency through system automation, centralized data gathering and monitoring	2,675,000.00	
	Construction and Refurbishment of Offices	Construction of San Remegio Action Center and Refurbishment of Bogo and Danao offices	To improve customer service efficiency and optimize available working space	35,310,000.00	
	Purchase of Generator Sets	Procurement of one (1) generator set for Danao City CEBECO II Office	To maximize office work output such as billing, collection, and resolution of consumer complaints by providing uninterrupted power of both offices	42,000.00	
	Hot Line Tools and Equipment	Procurement of eight (8) units hot line tools and insulated boom truck for emergency and maintenance works	To minimize power interruptions through maintenance/repair works on energized lines	5,941,000.00	
	Computers, Softwares, and Accessories	Purchase of two (2) units printers, three (3) units uninterrupted power supplies (UPS) and ten (10) units softwares	To modernize outdated computers and upgrade the level of operating system and data processing	182,000.00	
	Personnel Trainings and Seminars	Personnel training and seminars comprising of three (3) sessions competency trainings and ten (10) sessions management seminars	Provision for personnel competence	310,000.00	
	Communication Equipment	Purchase of one (1) unit repeater	To upgrade and speed-up relaying of information	161,000.00	
		2013 Non-Network Projects			
	Purchase of Vehicles	Purchase and maintenance of 3 units of motorcycles, 6 units service trucks and 1 unit boom truck	 To improve mobility and response time in serving customers 	9,892,000.00	
	Construction and Refurbishment of Offices	Construction of Tabogon and Bogo Action Centers and refurbishment of Compostela office	To improve customer service efficiency and optimize available	8,014,000.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED APPROVED
			working space		
	Hot Line Tools and Equipment	Procurement of ten (10) hot line tools and insulated boom truck for emergency and maintenance works	To minimize power interruptions through maintenance/repair works on energized lines	315,000.00	
	Computers, Softwares, and Accessories	Procurement of three (3) units desk tops, four (4) units lap tops and ten (10) units software	To modernize outdated computers and upgrade the level of computer operating system and data processing	454,000.00	
	Trainings and Seminars	Personnel training and seminars comprising of nine (9) sessions competency trainings and ten (10) sessions management seminars	Provision for personnel competence	767,000.00	
	Communication Equipment	Procurement of five (5) units hand held radio and five (5) units base radio	To upgrade and speed-up relaying of information	180,000.00	
		2014 Non-Network Projects			
	Purchase of Vehicles	Procurement and maintenance of 4 units motorcycles, 2 units service trucks and 1 unit boom truck	To improve mobility and response time in serving customers	2,965,000.00	
	Construction and Refurbishment of Offices	Construction of Catmon Action Center	To improve customer service efficiency and optimize available working space	3,675,000.00	
	Hot Line Tools and Equipment	Procurement of five (5) hot line tools and insulated boom truck for emergency and maintenance works	To minimize power interruptions through maintenance/repair works on energized lines	245,000.00	
	Computers, Software and Accessories	Procurement of two (2) units printers, three units uninterrupted power supply (UPS) and ten (10) units software	To modernize outdated computers and upgrade the level of computer operating system and data processing	209,000.00	
	Personnel Trainings and Seminars	Personnel trainings and seminars comprising of ten (10) sessions management seminars	Provision for personnel competence	98,000.00	
	Communication Equipment	Procurement of two (2) units repeater	To upgrade and speed-up relaying of information	368,000.00	
	Purchase of Vehicles	Procurement and maintenance of 9 units motorcycles, 3 units service trucks and 1 unit boom truck	To improve mobility and response time in serving customers	9,969,000.00	
	Construction and Refurbishment of Offices	Refurbishment of Tuburan and Tabuelan Offices	To improve customer service efficiency and optimize available working space	5,243,000.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED
	Hot Line Tools and Equipment	Procurement of five (5) hot line tools and insulated boom truck for emergency and maintenance works	To minimize power interruptions through maintenance/repair works on energized lines	203,000.00	
	Computers, Software and Accessories	Procurement of ten (10) units software	To modernize outdated computers and upgrade the level of computer operating system and data processing	166,000.00	
	Trainings and Seminars	Personnel training and seminars comprising of ten (10) sessions management seminars	Provision for personnel competence	105,000.00	
		Projects for 2009			
	Repair and installation of 5MVA Power Transformer	Repair and installation of 5MVA power transformer in Tabon Substation	 To address load growth and provisions for additional substation capacity To address power demand of MG Mining 	4,612,298.81	
	Conversion and upgrading of a Single Phase Line to Three (3) Phase Line and Extension of Three (3) Phase Line	Conversion and upgrading of a single phase line to a three (3) phase line from Nursery to Sikahoy, and extension of three (3) phase line from Sikahoy to Mendoza	To address load growth To improve overall technical loss of the distribution feeders	7,072,259.31	
	Procurement, Replacement, and Installation of Kilowatt-hour (kWh) Meters	Procurement, replacement, and installation of two thousand four hundred (2,400) units of defective kWh meter of various types	To promote accuracy in the meter registration of energy sales	2,688,000.00	
Surigao Del Sur I Electric Cooperative, Inc. (SURSECO I)	Procurement of Additional Poles and Replacement of Rotten Place	Procurement of additional poles and replacement of one hundred twenty (120) rotten poles	 To address load growth and improve power quality and system reliability To promote safety in the maintenance of the distribution system 	1,720,107.20	December 1, 2009/ July 25, 2011
	Conversion of Lines from One (1) Phase Line to Vee (V) Phase Line	Conversion of existing one (1) phase line to Vee (V) phase line involving the lines in the following: 1) from Barangay Bito-on to barangay Portlamon, Hinatuan; and 2) from Barangay San Juan to Barangay Pamanlinan, Bislig City	To address load growth, reduce technical losses and improve voltage quality	3,052,029.33	
	Expansion of Distribution Line and Construction of One (1) Phase Line	Expansion of distribution line involving the construction of one (1) phase line to serve unenergized Sitios within its franchise area namely: 1) Sitio Mabog, San Jose City, 2) Sitio Puerto, Maharlika, Bislig City, 3) Sitio Dreamland, Tagbina, 4) Sitio	To comply with the government's thrust of one hundred percent (100%) energization through the Department of Energy's (DOE)	8,169,911.59	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED
		Haguimitan, Lingig, and 5) Sitios Tabuk in Santo Niño, Bil-At in Loyola, and Mahaba in San Juan, all in the Municipality of Hinatuan	"O Ilaw" program		
	Procurement and Replacement of Inefficient Transformers	Procurement of the following Distribution Transformers (DTs): 1) ten (10) units of 10 kVA DT; 2) 10 units of 15 kVA DT; 3) five (5) units of 25 kVA DT; 4) four (4) units of 37.5 kVA DT; and five (5) one (1) unit of 50 kVA DT	To address load growth and improve power quality	1,120,000.00	
	Procurement of Computer Software and Equipment	Procurement of a computer software (SynerGee) and a thermal scanner	To monitor and properly evaluate distribution of electric system	2,184,000.00	
	Construction of a 69 kV Subtransmission Line	Construction of four hundred forty meters (440 m) of 69 kV subtransmission lines to serve the Tabon Substation	To improve power quality, and provide connection for the delivery of power to the 10 MVA Tabon Substation	771,307.28	
		Projects for 2010	and 5) Sitios Tabuk in Santo la, and Mahaba in San Juan, all in inatuan 1) ten (10) units of 10 kVA DT; a DT; 3) five (5) units of 25 units of 37.5 kVA DT; and five kVA DT aputer software (SynerGee) and a properly evaluate distribution of electric system 1) ten (10) units of 20 units of 25 units of 37.5 kVA DT; and five kVA DT aputer software (SynerGee) and a properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 2,184,000.00 evaluate distribution of electric system 2,184,000.00 evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 2,184,000.00 evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 2,184,000.00 evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To monitor and properly evaluate distribution of electric system 1) To promote accuracy in the meter registration of energy sales 1) To address load growth and improve power quality and system reliability 1) To promote accuracy in the meter registration of energy sales 1) To address load growth and improve power quality and system reliability 1) To address load growth reduce technical losses and improve voltage quality 1) To address load growth, reduce technical losses and improve voltage quality 1) To comply with the government's thrust of one hundred percent (100%)		
	Procurement, Replacement, and Installation of kWh Meters	Procurement, replacement, and installation of two thousand four hundred (2,400) units of defective kWh meter of various types		2,688,000.00	
	Procurement of Additional Poles and Replacement of Rotten Poles	Procurement of additional poles and replacement of one hundred nine (109) rotten poles	 improve power quality and system reliability To promote safety in the maintenance of the distribution 	1,623,753.60	
	Conversion of Lines from One (1) Phase Line to Vee (V) Phase Line	Conversion of existing one (1) phase line to Vee (V) phase line involving the following lines: 1) from kilometer four (4) to Barangay Lawigan, Bislig City; 2) from Barangay Kahayag to Barangay Coleto; 3) from Barangay San Vicente to Barangay Tidman	To address load growth, reduce technical losses and improve	1,951,887.53	
	Expansion of Distribution Line and Construction of One (1) Phase Line	Expansion of distribution line involving the construction of one (1) phase line to serve the unenergized Sitios within its franchise area, namely: 1) Sitio Pagasa, Tagbina, 2) Sitios Kopot, Katipunan, Mahogany, Agsaban and Paradise in Barangay Tagpupuran, all in the municipality of Lingig, 3) Sitios Barobo of San Juan, Kasikuhan and Agsaban, Talisay, all in the municipality of Hinatuan	government's thrust of one hundred percent (100%) energization through the Department of Energy's (DOE)	4,255,777.49	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED
	Procurement of Distribution Transformers (DTs)	Procurement of the following DTs in such number of units and capacities, namely; 1) ten (10) units of 10 kVA DT; 2) ten (10) units of 15 kVA DT; 3) five (5) units of 25 kVA DT; 4) four (4) units of 37.5 kVA DT; and 5 one (1) unit of 50 kVA DT	To address load growth and improve the distribution system	1,120,000.00	
	Procurement and Installation of three (3) units of 69 kV Circuit Breakers (CBs)	Procurement and installation of three (3) units of 69 kV CBs for installation of in all substations	 To provide protection and security of substations To promote reliability of operations of substations 	14,153,085.32	
	Procurement of Tools and Equipment	Procurement of tools and equipment such as load logger, meter seal, ampact gun, and ampact connection of various sizes	To monitor properly evaluate distribution of electric service	4,325,511.12	
	Procurement of Maintenance Vehicles	Procurement of various types of vehicles	To enhance quality of service	10,000,000.00	
		Projects for 2011			
	Procurement, Replacement, and Installation of kWh Meters	Procurement, replacement, and installation of two thousand four hundred (2,400) units of defective kWh meter of various types	To promote accuracy in the meter registration of energy sales	2,688,000.00	
	Procurement of Additional Poles and Replacement of Rotten Poles	Procurement of additional poles and replacement of one hundred eleven (111) rotten poles	 To address load growth and improve power quality and system reliability To promote safety in the maintenance of the distribution system 	1,637,081.60	
	Conversion of Lines from One (1) Phase Line	Conversion of existing one (1) phase line to Vee (V) phase line involving the following lines: 1) from Barangay Dughan to Barangay Gamut; 2) from Barangay Santa Juana to Barangay San Vicente II; and 2) from Barangay Gamut to Barangay Javier, Barobo	To address growth, reduce technical losses, and improve voltage quality	2,711,005.85	
	Expansion of Distribution Line and Construction of One (1) Phase Line	Expansion of distribution line involving the construction of one (1) phase line to serve unergized Sitios within its franchise areas, namely; 1) Sitio Tapnigidan, Osmeña, Tagbina, and 2) Sitio Makape, Magsaysay including the vicinity of the National Highway in Barobo	To comply with the government's thrust of one hundred percent (100%) energization through the DOE's "O Ilaw" program	1,639,378.05	
	Acquisition of a 69 kV Substranmission Line	Acquisition of a 69 kV subtransmission line consisting of a wooden pole structures of 69 kV subtransmission line # 366 MCM conductors and overhead lines	To address load growth and improve the distribution system	12,415,200.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILEI APPROVEL
	Procurement of Tools and Equipment	Procurement of ampact connection of various sizes and meter seals	To monitor and properly evaluate distribution of electric service	5,009,795.12	
		Projects for 2012			
	Procurement, Replacement, and Installation of kWh Meters	Procurement, replacement, and installation of two thousand four hundred (2,400) units of defective kWh meter of various types	To promote accuracy in the meter registration of energy sales	2,688,000.00	
	Procurement of Additional Poles and Replacement of Rotten Poles	Procurement of additional poles and replacement of seventy-four (74) rotten poles	 To address load growth and improve power quality and system reliability To promote safety in the maintenance of the distribution system 	923,845.44	
	Conversion of Lines from One (1) Phase Line	Conversion of existing one (1) phase line to Vee (V) phase line of the following lines: from Barangay Tangonon to Quarry, Barangay Villaverde, Tagbina to Junction, Sayon, Tagbina; and from Barangay Tagasaka to Barangay Loyola, Hinatuan	To address load growth, reuce technical losses and improve voltage quality	1,139,114.43	
	Expansion of Distribution Line and Construction of One (1) Phase Line	Expansion of distribution line involving the construction of one (1) phase lien to serve unenergized Sitios within its Franchise area namely: 1) SitioP5 Poblacion, Barobo, 2) Sitio Hollywood, Mamis, Barobo, 3) Sitio Binooyan, San Jose, Barabo, and 4) Sitio Kinagbangan, Tangonon	• To comply with the government's thrust of one hundred percent (100%) energization through the DOE's "O Ilaw" program	3,109,689.54	
	Procurement of DTs	Procurement of the following DTs: 1) ten (10) units of 10 kVA DT; 2) ten (10) units of 15 kVA DT; 3) five (5) units of 25 kVA DT; 4) four (4) units of 37.5 kVA DT; and one (1) unit of 50 kVA DT	To address the load growth and improve the distribution system	1,120,000.00	
	Procurement of Tools and Equipment	Procurement of ampact connection of various sizes and meter seals	To monitor and properly evaluate distribution of electric service	4,069,395.12	
	Procurement, Replacement, and Installation of kWh Meters	Procurement, replacement, and installation of two thousand four hundred (2,400) units of defective kWh meter of various types	To promote accuracy in the meter registration of energy sales	2,688,000.00	
	Procurement of Additional Poles and Replacement of Rotten Poles	Procurement of additional poles and replacement of forty-sixty (46) rotten poles	 To address load growth and improve power quality and system reliability To promote safety in the 	562,451.68	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED
			maintenance of the distribution system		
	Conversion of Lines from One (1) Phase Line to Vee (V) Phase Line	Conversion of existing one (1) phase line to Vee (V) phase line of the following lines: 1) from Barangay Mahabo to Anibongan; 2) from Barreda Street to Caramcam, Barangay Mangangoy; and 3) from km 8 Nursery to Barangay Tabon to Barangay San Jose, Bislig City	To address load growth, reduce technical losses, and improve voltage quality	1,245,025.14	
	Expansion of Distribution Line and Construction of One (1) Phase Line	Expansion of distribution involving the construction of one (1) phase line to serve unenergized Sitios within its franchise area, namely: 1) Sitio Napanpanan, Raja, Kabunsuan, 2) Sitio Banacud, Hinatuan, and 3) Sitio Tanduan, Gamut	• To comply with the government's thrust of one hundred percent (100%) energization through the DOE's "O Ilaw" program	2,556,816.29	
	Procurement of DTs	Procurement of the following DTs: 1) ten (10) units of 10 kVA DT; 2) ten (10) units of 15 kVA DT; 3) five (5) units of 25 kVA DT; 4) four (4) units of 37.5 kVA DT; and 5) one (1) unit of 50 kVA DT	To address load growth and improve the distribution system	1,120,000.00	
	Procurement of Tools and Equipment	Procurement of ampact connection of various sizes and meter seals	To monitor and properly evaluate distribution of electric service	4,069,395.12	
		2010 Projects			
	Replacement of Deteriorated Distribution Transformers (Phase I)	Replacement of seven (7) 25 kVA transformers, four (4) 15 kVA transformers and three (3) 10-kVA transformers	To avoid serious damage to people and properties	1,000,116.00	
	Replacement of Rotten/Burned Poles at Batan Island	Replacement of rotten and burned poles which are likely to fall due to strong winds	To prevent serious damage to people and properties	316,875.00	
Batanes Electric Cooperative, Inc.	Replacement of Deteriorated Sectionalizer and Transformer Cut- outs	Replacement of deteriorated sectionalizer and transformer cut-outs, including replacement of aging lightning arresters	To have reliable protection from short circuits	232,131.40	November 11, 2010/August 1, 2011
(BATANELCO)		2011 Projects			
	Installation of System Natural Grounding from Taytay to San Juaquin including Replacement of Deteriorated Pole Accessories	Installation of system neutral and grounding to address the floating 1.9 primary line from Taytay Kayhuvukan Basco to Barangay San Juaquin, Basco, including replacement of corroded pole accessories	To avoid voltage fluctuations and power interruptions	185,895.50	
	Replacement of Deteriorated Primary Conductor from Brgy. Panatayan to Sitio Diura Single	Replacement of deteriorated primary conductor to address the flosting 2.3 km single phase primary line from Pahatayan, Mahatao to Sitio Diura, Basco,	To avoid voltage fluctuations and power interruptions	322,708.46	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED APPROVED
	Phase Line including installation of System Neutral and Grounding	including replacement of deteriorated pole accessories and conductor and installation of system neutral and grounding			
	Procurement of Lineman Tools and Equipment	Procurement of the following tools: No. Tools Quantity 1 Mechanical Compression Tool & Die 3 2 Climber Set 10 3 Rubber Gloves 4 4 Chainsaw 1 5 Linemen Wrench 4 6 Hole Digger 3	To improve efficiency and maintain linemen safety	464,891.53	
	Replacement of Old Kilowatt Hour Meters	Replacement of old kilowatt hour meters including all metering equipment	To determine the accurate power consumption of each customer and provide kilowatt hour meters for the new customers	333,033.00	
	Installation of System Neutral and Grounding of 16 km Floating Primary Line	Installation of system ground for the 16 kms. Floating primary line in Sabtang	To avoid voltage fluctuations and address the danger posed by the said fluctuations to customers	473,780.16	
	Replacement of Deteriorated Pole Accessories of Three Phase Line from Vatang to Ivana Welcome	Replacement of 2.3 kms section of Feeder 2 at Batan Island from Vatang Bridge to Ivana Welcome including replacement of all pole accessories for the three phase primary line serving the Municipalities of Ivana and Uyugan	To improve reliability and avoid massive power interruptions	969,014.82	
	Replacement of Deteriorated Pole Accessories and Wires from Ivana to Uyugan including System Neutral and Grounding	Replacement of 4kms highly corroded wires and accessories of the Vee-Phase line from Ivana to Itbud sectionalizer, and replacement of fallen or corroded system neutral and grounding	To address safety deficiencies of the line and avoid massive power interruptions	1,788,624.64	
	Replacement of Old Kilowatt Hour Meters	Replacement of old kilowatt hour meters including all metering equipment	To determine the accurate power consumption of each customer and provide kilowatt hour meters for the new customers	333,033.00	
		2013 Projects			
	Replacement of Primary Conductor and Deteriorated Pole Accessories including System Neutral and Grounding from Uyugan to Itbud	Replacement of five (5) kms highly corroded wires and accessories of the single phase line from Uyugan to Itbud including replacement of fallen or corroded system neutral and grounding	To address safety deficiencies of the line and avoid massive power interruptions	576,265.00	
	Partial Replacement of Deteriorated	Replacement of 15 kms distribution lines at Itbayat	To avoid voltage fluctuations	800,000.00	

APPLICANT	PROJECT	DESCRIPTION	RATIONALE	PROJECT COST (MPhP)	DATE FILED/ APPROVED
	Pole Accessories at Itbayat	including replacement of corroded pole accessories and guys	and address the danger posed by the said fluctuations to customers		
	Replacement of Old Kilowatt Hour Meters	Replacement of old kilowatt hour meters including all metering equipment	To determine the accurate power consumption of each customer and provide kilowatt hour meters for the new customers	333,933.00	

Source: ERC Website

Annex 15. ECs Average Systems Rates as of January to October 2011

Thirtex 15. Bestiverage systems nates as of fandary to octob				Avon	rage Syst	oma Date	20			
ELECTRIC COOPERATIVES	Jan-11	Feb-11	Mar-11	Apr-11	age Syst		Jul-11	Aug-11	Sep-11	Oct-11
REGION I (Ilocos Region)	1			•						
INEC	7.8842	8.1872	8.0423	8.2422	8.6763	8.6749	8.3681	8.5562	8.0731	8.4540
ISECO	6.6223	7.2181	7.8172	7.9755	7.3976	7.3268	6.9182	6.9399	6.7409	7.0307
LUELCO	8.0679	8.9166	9.0509	9.3557	9.1245	9.9075	10.2229	9.4639	9.1773	8.6588
PANELCO I	9.4213	10.4185	11.0721	10.4261	10.5037	10.5493	11.5794	10.8797	10.6655	11.1071
CENPELCO	8.1879	8.0219	8.3078	8.3418	8.0253	9.4898	8.0865	8.1427	8.2918	8.0960
PANELCO III	7.5814	8.4165	8.5586	9.2228	8.4402	8.6429	8.4292	8.2231	8.2891	NDS
Region I Average	7.7992	8.2912	8.5112	8.7337	8.4362	8.8930	8.4908	8.3614	8.2581	8.2767
REGION II (Cagayan Valley)										
BATANELCO	6.8877	5.7911	7.3118	8.6844	7.6512	7.0140	7.5738	7.7033	7.4534	8.0291
CAGELCO I	8.0078	8.3910	8.5001	8.5614	8.0031	8.1048	7.9285	7.8957	8.1087	8.1208
CAGELCO II	8.2879	8.7895	9.0851	8.9984	8.6360	8.9817	8.7601	8.5819	8.1982	8.3713
ISELCO I	8.4718	9.3360	10.0592	10.3155	9.0659	10.1157	9.2599	8.9304	8.1730	8.1218
ISELCO II	8.4194	8.5696	8.9077	8.7871	8.5761	8.9307	8.6919	8.5233	8.7874	7.4554
NUVELCO	8.5225	10.2373	10.4722	10.9334	9.9419	NDS	NDS	NDS	NDS	NDS
QUIRELCO	10.1955	10.5034	10.7615	10.7808	10.1909	10.3569	10.1024	9.8407	10.2507	10.1528
Region II Average	8.3892	9.0855	9.4849	9.6185	8.8124	9.1993	8.7659	8.5626	8.3447	8.0683
CAR (Cordillera Administrative Region)										
ABRECO	NDS	NDS	NDS	NDS	NDS	NDS	NDS	NDS	NDS	NDS
BENECO	4.6941	4.7525	4.6473	4.7125	7.1564	7.7017	4.9756	4.6839	4.8358	4.9066
IFELCO	10.1646	9.7764	10.3382	10.6748	10.6629	10.3628	10.3755	10.6046	10.2650	9.6811
KAELCO	9.4644	10.1599	9.9448	10.4273	10.4047	10.2287	9.6209	9.2663	8.3422	9.6757
MOPRECO	8.5856	8.8148	9.3480	9.8572	9.3945	9.6045	9.3653	8.8257	8.6678	8.5185
CAR Average	5.1982	4.8230	5.2321	5.3755	7.5348	8.0094	5.5556	5.2744	5.3512	5.4124

ELECTRIC COOPERATIVES				Aver	age Syst	ems Rate	es			
ELECTRIC COOL ENAMED	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11
REGION III (Central Luzon)										
AURELCO-Central Aurora	10.1553	11.5978	10.8383	10.8768	10.7181	10.9967	11.1688	10.5139	10.4040	10.2901
NEECO I	10.0272	7.9674	8.1306	8.3220	7.7265	8.1066	9.7655	8.2916	7.8956	7.6996
NEECO II-Area 1	9.2047	10.0640	10.5377	11.1306	10.2470	10.6379	10.0929	10.0367	10.0514	9.7634
NEECO II-Area 2	10.4255	10.3173	8.8593	8.3175	7.6495	8.6771	NDS	NDS	NDS	NDS
PELCO I	8.2302	9.5021	9.6695	9.9292	9.8306	9.5672	9.9101	9.7501	9.6317	9.8019
PELCO II	8.0576	8.0052	8.3589	8.3164	7.9544	8.4588	8.4665	8.1993	8.2111	NDS
PELCO III	7.7227	8.3217	8.5850	9.0579	8.3480	8.5233	8.3359	8.1359	8.1770	8.0230
PENELCO	8.0669	8.8218	9.3557	10.0739	9.2762	9.4251	8.6535	8.2357	8.1950	8.1598
PRESCO	8.8638	9.9337	10.0213	10.0109	9.7480	10.4457	10.8971	10.0861	9.9932	9.6555
SAJELCO	7.9131	8.8376	8.7497	8.9747	9.2322	8.8136	9.4863	9.0116	9.1958	NDS
TARELCO I	7.6721	8.5044	8.9425	9.4902	8.6149	9.1043	8.7620	8.6706	8.7050	8.7999
TARELCO II	6.6903	7.3270	7.8845	8.1140	7.3929	7.4063	7.1432	7.0467	7.0431	7.0406
ZAMECO I	9.2870	10.1227	10.8355	10.7750	10.8551	11.0910	10.7756	11.1913	10.9305	10.7244
ZAMECO II	8.2633	9.1592	9.3836	9.6528	9.0474	9.9675	10.0991	9.1972	9.1796	8.9725
Region III Average	8.3306	8.7934	9.0205	9.2798	8.7344	9.0581	9.0144	8.6626	8.6174	8.6108
REGION IV-A (Calabarzon)										
BATELEC I	7.7977	7.5589	7.8551	7.8796	7.6529	8.3711	8.0779	8.0756	8.4851	8.4625
BATELEC II	7.1016	7.2900	7.6321	7.3300	7.3354	8.3606	7.7783	7.6301	7.5313	7.5313
FLECO	8.1799	8.3935	9.6278	10.4058	9.8566	9.5951	9.7137	9.4136	9.1640	9.1640
QUEZELCO I	7.8622	8.1387	8.3430	8.5203	8.5430	8.8177	8.9880	8.5367	8.8909	8.8909
QUEZELCO II	9.1239	9.3710	9.9139	9.7482	9.7796	10.1113	10.2996	9.9270	9.7299	9.7299
REGION IV-B (Mimaropa)										
LUBELCO	7.9965	8.8097	9.9934	8.9742	9.0004	9.0505	10.3044	10.7773	10.8831	11.1908
OMECO	9.3238	9.2830	11.6847	10.5830	10.5478	10.5689	10.6682	10.5998	10.6421	10.6641

ELECTRIC COOPERATIVES				Aver	age Syst	ems Rate	es			
ELECTRIC COOL ENAMED	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11
ORMECO	9.5152	10.1008	11.1060	11.0353	10.8411	10.7688	10.7510	10.6277	11.0263	10.5590
MARELCO	9.0085	11.1395	10.2591	10.5209	10.8404	10.6087	10.5204	10.3551	10.6430	10.3810
TIELCO	5.9729	6.8893	7.6675	6.8763	6.8168	6.8600	6.8604	6.9361	6.8892	6.9057
ROMELCO	7.9966	8.5920	8.9996	8.7389	8.7924	8.8054	8.6738	8.6815	8.7583	8.8261
BISELCO	6.6233	7.3409	8.2645	7.7490	7.6965	8.4611	8.0828	8.1703	8.1953	8.4727
PALECO	8.0581	8.4144	8.4237	7.8064	8.2758	8.2998	8.2828	8.4318	8.5069	8.4750
Region IV Average	9.0161	9.2620	9.8485	9.5832	9.4469	10.0822	8.5160	8.3010	8.4976	8.4342
REGION V (Bicol region)										
ALECO	8.4772	7.3796	7.3645	6.8365	7.0194	9.4355	7.3673	7.7205	NDS	NDS
CANORECO	8.8555	8.7306	8.9179	9.0926	8.7960	10.1344	9.4290	9.3117	9.2061	9.0905
CASURECO I	9.6716	9.4122	9.7927	9.8056	9.3882	10.6904	10.0120	9.7032	9.8658	9.5799
CASURECO II	9.0876	10.0828	10.2073	10.3324	10.2302	10.4777	8.4195	8.8985	8.7446	8.8662
CASURECO III	9.9732	9.1722	9.3537	9.6680	9.4387	11.2353	8.4467	9.4583	8.8417	NDS
CASURECO IV	11.0458	10.8897	11.5292	11.5295	11.2773	11.6489	11.0740	11.0442	11.2391	11.3235
FICELCO	9.4697	10.0310	10.0945	10.0738	10.1530	10.2596	10.1491	10.2191	9.9403	9.9846
MASELCO	7.3889	7.3854	7.3131	7.2512	7.3823	7.3745	7.3984	7.3902	7.3713	7.4279
SORECO I	8.7022	9.3595	9.7699	9.8909	9.5699	10.2046	9.3441	9.1524	8.9827	8.9165
SORECO II	NDS	NDS	NDS	NDS	NDS	NDS	NDS	NDS	NDS	NDS
TISELCO	6.5916	7.5480	7.9552	7.9347	7.5821	7.5408	9.0257	8.0016	8.5995	NDS
Region V Average	8.9159	8.7930	8.9203	8.8405	8.7759	10.0105	8.4536	8.7411	9.0271	9.0484
Luzon Average	8.2631	8.5688	8.9057	8.9942	8.7834	9.3293	8.4866	8.3136	8.3295	8.2594
REGION VI (Western Visayas)										
AKELCO	7.6510	7.8423	7.8504	8.1312	9.6901	9.0310	9.8795	10.2398	10.1682	9.4666
ANTECO	8.2957	9.0665	9.3898	9.5669	10.5353	11.0331	10.5328	11.0836	9.7219	10.1891

ELECTRIC COOPERATIVES				Aver	age Syst	ems Rate	es			
ELEGINIO OGGI ENVINCES	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11
CAPELCO	8.7907	8.2879	9.7724	9.0967	8.7946	9.2492	10.5449	12.0438	10.4357	10.1594
GUIMELCO	10.4479	10.2574	10.4196	10.6777	10.6293	10.9350	11.5452	11.6681	10.3757	10.3418
ILECO I	9.2974	9.2883	9.1492	10.1030	9.6074	9.4987	9.6448	9.5103	9.3699	9.4303
ILECO II	7.7961	8.9150	8.8563	9.0771	10.1771	9.9670	11.4634	10.2979	10.5751	10.3931
ILECO III	7.0410	8.3352	8.1390	8.3854	8.5704	8.8233	9.7705	8.9762	8.7469	8.6462
CENECO	5.5250	6.1871	5.8488	7.2312	6.6719	7.5091	7.3540	7.6870	7.6449	7.8916
NOCECO	6.3076	6.5767	7.1520	7.8208	8.0422	8.4683	8.3530	8.9839	8.3811	8.5482
VRESCO	6.9951	7.5800	7.8218	8.7883	8.5945	8.5455	8.8472	9.5397	9.3455	9.3218
Region VI Average	7.0099	7.4368	7.5285	8.2714	8.3196	8.6203	8.9002	9.2458	8.9228	8.9263
REGION VII (Central Visayas)										
BANELCO	8.7730	8.7438	8.7553	8.7048	8.7083	8.7109	8.6721	8.6603	8.6648	8.6298
BOHECO I	6.0889	6.1067	5.9144	7.9831	7.6483	8.3714	NDS	NDS	NDS	NDS
BOHECO II	7.9414	7.7200	7.8438	7.9717	7.7414	8.4007	6.7664	6.6901	5.6973	5.9270
CELCO	9.9497	11.3519	11.5936	11.4209	11.3719	11.3547	11.2765	11.3941	11.3900	11.4211
CEBECO I	7.0464	7.1000	3.7641	3.6052	3.5121	4.5115	4.4245	4.1179	4.2444	3.7862
CEBECO II	4.1073	4.0608	4.2984	4.3990	3.7546	4.6138	4.7024	5.3008	5.0521	5.0067
CEBECO III	5.3056	5.4628	5.6903	5.6851	6.3311	5.6567	7.1872	6.1682	6.3410	6.5724
NORECO I	6.3751	6.1848	4.1219	6.9254	7.7348	7.4467	8.0515	8.2717	7.8656	7.4289
NORECO II	6.7260	7.0433	NDS	NDS	NDS	NDS	NDS	NDS	NDS	NDS
PROSIELCO	9.5215	11.0398	11.6374	11.9504	11.0348	11.0084	11.0190	10.9949	11.0936	11.1206
Region VII Average	6.5436	6.5255	6.5345	7.1299	6.9062	7.5646	7.5399	7.6232	7.3615	7.2314
Equivalent in US\$	0.1481	0.1493	0.1502	0.1649	0.1601	0.1744	0.1761	0.1797	0.1711	0.1664
REGION VIII (Eastern Visayas)										
BILECO	9.5395	8.9773	9.5693	9.1443	9.2316	10.0773	8.9465	9.4101	8.2625	7.7915

ELECTRIC COOPERATIVES				Aver	age Syst	ems Rate	es			
	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11
DORELCO	7.2618	7.3545	7.8196	8.3740	8.0578	8.1113	8.0967	8.2793	7.5348	7.3202
LEYECO II	6.2892	6.3061	4.2514	4.3817	4.2020	4.2701	4.2429	4.0961	3.6950	3.5690
LEYECO III	8.3040	8.4069	8.5634	8.8217	8.3099	7.0994	6.9733	7.0939	6.9005	6.8206
LEYECO IV	7.5888	7.7401	8.1614	8.0008	7.0884	6.6992	6.7150	6.9025	6.3940	6.4027
LEYECO V	7.3627	7.7576	7.9353	8.0070	7.8155	7.5458	7.7682	7.5466	7.4817	7.2809
SOLECO	8.2056	8.4692	7.9204	9.5884	8.5190	8.5534	8.4141	8.4835	8.1838	8.0435
ESAMELCO	8.5090	9.0349	8.6888	8.8039	8.6652	8.4708	8.4240	8.5354	8.2212	8.1347
NORSAMELCO	9.2520	8.8370	8.8185	8.1162	9.5320	8.9129	7.6287	7.9942	7.9891	8.0865
SAMELCO I	6.8703	8.3656	7.2050	10.3603	8.1699	8.4194	8.1033	8.1938	7.9405	7.8209
SAMELCO II	7.3671	7.3717	7.7715	7.9151	7.8523	8.2205	8.2539	8.4056	7.0011	7.1282
Region VIII Average	7.4153	7.6348	7.6971	8.1755	7.8064	7.8008	7.6529	7.6429	7.1943	7.0600
Visayas Average	6.9524	7.2016	7.3121	7.9593	7.8552	8.1718	8.3004	8.4958	8.1594	8.0900
REGION IX (Zamboanga Peninsula)										
ZANECO	5.4954	6.0231	5.5773	6.0225	6.1295	6.0926	6.1957	5.3594	5.6330	5.7536
ZAMSURECO I	5.7936	5.9231	6.0547	6.2609	6.3724	6.3653	6.3555	5.9822	5.4030	6.0131
ZAMSURECO II	6.1039	6.0108	6.4853	6.7180	6.6353	6.5664	6.2587	5.6204	6.2155	6.3236
ZAMCELCO	4.8340	5.3101	5.2303	5.3590	5.3979	5.4248	5.3362	5.1650	4.9695	5.2334
Region IX Average	5.2773	5.6196	5.5978	5.7900	5.8327	5.8187	5.7631	5.3943	5.2964	5.5892
REGION X (Northern Mindanao)			ſ	Γ	1			Γ	1	
FIBECO	5.9211	6.2643	6.2826	6.3853	6.6433	6.6636	6.3230	5.8615	5.8598	6.3403
BUSECO	5.4368	6.3893	6.0090	5.8424	5.9938	5.9495	5.8520	5.6628	5.5149	5.7788
CAMELCO	8.3699	8.6739	9.1521	8.9478	9.3689	8.6630	8.8568	8.6517	8.5034	8.5905
LANECO	6.4748	7.1379	7.3573	6.6381	6.9766	8.1994	7.3212	6.9083	7.3089	6.7276
MOELCI I	6.4660	6.8431	6.4509	6.6145	6.6705	6.6698	6.7606	6.3790	6.3081	6.4677

ELECTRIC COOPERATIVES				Aver	age Syst	ems Rate	es			
ELECTRIC COOL ERATIVES	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11
MOELCI II	6.1423	6.7183	6.4826	6.6724	7.0635	6.7575	7.0189	6.6767	6.4117	6.8472
MORESCO I	5.8137	6.0936	6.9414	8.8839	8.7771	8.6484	8.8086	8.3719	8.3716	8.8729
MORESCO II	5.6084	5.9976	6.2368	6.4438	6.0273	6.0688	6.1258	5.8549	5.6220	5.8633
Region X Average	5.9560	6.4515	6.5407	6.8781	7.0050	7.0242	6.9297	6.5823	6.5156	6.7983
REGION XI (Davao Region)										
DORECO	6.0166	6.3392	6.3335	6.1557	6.3439	6.5695	6.5543	6.1323	6.1895	6.2912
DANECO	5.9812	6.0543	5.8484	6.1176	6.2722	6.2368	5.9812	6.0078	5.7880	5.8573
DASURECO	5.7723	5.9096	6.3499	5.6146	6.1999	5.8407	5.7112	5.5881	6.1410	6.3045
Region XI Average	5.9226	6.0441	6.0750	5.9660	6.2586	6.1572	5.9794	5.9000	5.9484	6.0520
REGION XII										
COTELCO	5.3731	5.5944	5.6154	5.8028	5.9521	6.0114	5.8964	5.7664	5.4359	5.7421
SOCOTECO I	5.4732	5.3777	5.5861	5.8317	5.7732	5.7623	5.5198	4.9359	5.5648	5.6246
SOCOTECO II	5.0563	5.2239	5.3075	5.2863	5.4083	5.5367	5.4734	4.8020	5.1673	5.4123
SUKELCO	5.3515	5.5648	5.5216	5.6644	6.0121	5.9750	5.9867	5.6853	5.5625	5.3474
Region XII Average	5.2006	5.3416	5.4233	5.4911	5.6098	5.6915	5.5990	5.0709	5.3183	5.4854
ARMM (Autonomous Region in Muslim Mindanao)										
CASELCO	9.7870	9.7308	9.6554	9.7779	9.7238	9.6097	9.4989	9.6340	NDS	NDS
LASURECO	5.2626	5.6481	5.6828	5.6534	5.6659	5.7050	5.6912	5.5889	5.6531	5.1773
MAGELCO	5.7302	6.0211	7.2048	5.9881	5.8973	6.2227	5.9337	5.8109	NDS	NDS
SIASELCO	8.3614	9.0026	9.8952	4.9984	10.0236	10.0712	10.0255	10.0062	10.0901	10.0547
SULECO	8.1602	9.3935	10.6185	10.1667	10.9116	10.0420	10.0570	NDS	NDS	NDS
`BASELCO	8.1066	8.7689	NDS	NDS	NDS	NDS	NDS	NDS	NDS	NDS
TAWELCO	8.5321	10.4272	10.3964	10.8280	10.8234	10.9112	10.8321	10.1719	10.4179	10.4121
ARMM Average	6.3988	6.9886	7.4861	7.0522	7.0954	7.1813	7.3377	6.5072	7.6819	6.4529

ELECTRIC COOPERATIVES		Average Systems Rates									
	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	
CARAGA											
ANECO	5.6223	5.9683	5.7680	5.9294	6.0383	5.9568	5.8371	5.8109	5.4620	5.7145	
ASELCO	5.4853	6.2014	6.1120	5.7928	6.1018	6.1022	6.3025	5.5740	5.9958	6.6277	
DIELCO	7.7917	8.3278	9.7315	9.7199	10.6732	9.5521	9.6137	9.5759	9.5180	9.5796	
SIARELCO	7.9711	8.5628	8.6446	8.6773	9.0993	9.0308	9.0624	8.6267	8.5933	8.5507	
SURNECO	4.9533	5.6865	5.3435	5.3916	5.6987	5.7318	5.5923	5.3058	5.3785	5.7269	
SURSECO I	6.3397	6.3997	6.5797	6.7522	6.7968	6.8409	6.7693	6.4718	6.0630	6.3098	
SURSECO II	6.1078	6.6944	6.8778	6.7690	6.6160	6.7704	6.6604	6.1052	6.3071	6.5048	
CARAGA Average	5.6245	6.1290	5.9855	6.0197	6.2013	6.1685	6.1054	5.8279	5.7530	6.0989	
Mindanao Average	5.5861	5.8986	5.9391	6.0265	6.1677	6.1715	6.0824	5.7163	5.8051	5.9519	
National Average	7.1298	7.4247	7.6280	7.8721	7.8046	8.1408	7.7316	7.5731	7.5047	7.4561	

Source: NEA-MFSRs

NDS-No Data Submitted