



ATTACHMENT C.3

ONE-DAY LOOK-AHEAD PROGRAM

FROM : SYSTEM CONTROL (DELTA) PHONE NO. : 6350415 FEB. 01 2005 10:42AM P1
01-02-2005 10:42AM FROM-COVANTA PHILS. +6328460258 T-684 P.002/002 F-703

QUEZON POWER PLANT 460 MW (NET)

1 DAY LOOK AHEAD PROGRAMME

February 2, 2005

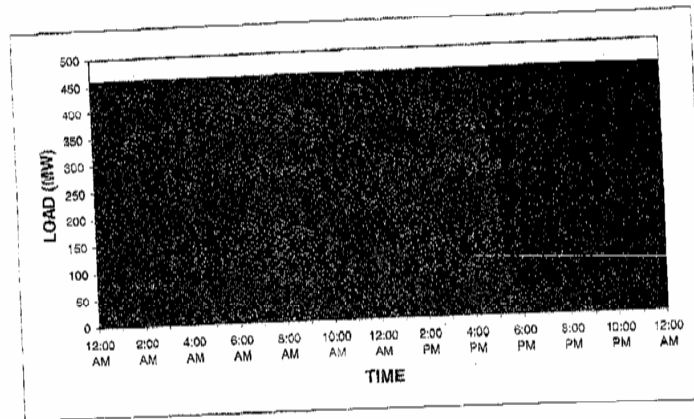


Table with 3 columns: Time, Programme Description, and Observation. The first row contains the text 'The unit expected capability is 460 MW net.' under the Programme Description column.



ATTACHMENT C.4

DAILY OPERATING SUMMARY REPORT

QUEZON POWER (PHILIPPINES) LIMITED, CO.
49th Floor, One World Plaza, One
 Eastway Corporate Center, Manila, Quezon

DAILY OPERATING SUMMARY REPORT

To: Meralco
 Date: February 1, 2005
 Time: 0000 - 2400 hours
 Billing Period: January 25 to February 25, 2005

	Scheduled Generation to the Grid for January 31, 2005				Actual Generation for January 31, 2005						Testative Load Projection for February 2, 2005				
	Gross KWH	Gross KVARH	Net KWH	Net KVARH	Gross KWH	Gross KVARH	Net KWH	Net KVARH	Reserved KWH	Reserved KVARH	Shed-10 MVA-30 2000V	Gross KWH	Gross KVARH	Net KWH	Net KVARH
0000-0100	210,000	29,923	180,000	25,049	222,505	-	175,300	-	-	123,600	237	500,000	71,246	450,000	65,546
0100-0200	210,000	29,923	180,000	25,049	225,576	-	178,600	-	-	130,400	237	500,000	71,246	450,000	65,546
0200-0300	210,000	29,923	180,000	25,049	226,170	-	178,800	-	-	132,700	237	500,000	71,246	450,000	65,546
0300-0400	210,000	29,923	180,000	25,049	226,578	-	179,000	-	-	135,000	237	500,000	71,246	450,000	65,546
0400-0500	210,000	29,923	180,000	25,049	226,567	-	179,000	-	-	139,248	238	500,000	71,246	450,000	65,546
0500-0600	250,000	37,048	210,000	32,773	228,772	-	220,200	-	-	84,408	235	500,000	71,246	450,000	65,546
0600-0700	308,000	43,888	227,000	39,470	226,822	-	228,400	-	-	25,300	235	500,000	71,246	450,000	65,546
0700-0800	357,000	50,870	303,000	46,025	351,114	-	321,600	-	-	62,800	255	500,000	71,246	450,000	65,546
0800-0900	405,000	57,768	349,000	52,586	385,517	-	362,500	-	-	53,300	255	500,000	71,246	450,000	65,546
0900-1000	480,000	68,360	422,000	62,962	441,270	-	408,200	-	-	38,000	233	500,000	71,246	450,000	65,546
1000-1100	590,000	71,246	490,000	65,546	455,811	-	405,100	-	-	33,300	233	500,000	71,246	450,000	65,546
1100-1200	590,000	71,246	490,000	65,546	445,322	-	413,500	-	-	37,100	234	500,000	71,246	450,000	65,546
1200-1300	590,000	71,246	490,000	65,546	440,973	-	408,500	-	-	65,600	233	500,000	71,246	450,000	65,546
1300-1400	500,000	71,246	430,000	65,546	414,972	-	409,900	-	-	20,500	233	500,000	71,246	450,000	65,546
1400-1500	500,000	71,246	430,000	65,546	407,923	-	407,900	-	-	78,200	234	500,000	71,246	450,000	65,546
1500-1600	500,000	71,246	430,000	65,546	438,486	-	408,300	-	-	42,200	233	500,000	71,246	450,000	65,546
1600-1700	500,000	71,246	430,000	65,546	436,217	-	404,700	-	-	45,000	234	500,000	71,246	450,000	65,546
1700-1800	500,000	71,246	430,000	65,546	436,811	-	410,300	-	-	49,600	234	500,000	71,246	450,000	65,546
1800-1900	500,000	71,246	430,000	65,546	426,588	-	397,000	-	-	29,900	233	500,000	71,246	450,000	65,546
1900-2000	500,000	71,246	430,000	65,546	427,584	-	395,000	-	-	39,900	234	500,000	71,246	450,000	65,546
2000-2100	450,000	64,876	423,000	60,274	436,934	-	393,000	-	-	50,100	234	500,000	71,246	450,000	65,546
2100-2200	420,000	59,847	397,000	55,145	416,005	-	383,900	-	-	69,900	235	500,000	71,246	450,000	65,546
2200-2300	395,000	56,284	369,000	51,297	392,229	-	380,500	-	-	76,500	235	500,000	71,246	450,000	65,546
2300-2400	350,000	58,870	323,000	45,025	392,032	-	352,900	-	-	91,700	236	500,000	71,246	450,000	65,546
	9,448,000	1,351,957	8,624,000	1,240,278	1,728,700	-	7,990,000	-	-	1,849,250	235	12,000,000	1,209,987	11,000,000	1,573,115

- Note:
- Gross generation have been added for reference only and not to figure out the net generation.
 - January 31, 2005 - The unit was dispatched at the load range of 180 MW to 450 MW net by Meralco/Tranco. At 0933H the unit load capability was reduced down to 440 MW net only due to trouble on ESP (high capacity).
 - February 1, 2005 - The expected unit load capability is 450 MW net.

Approved by: LES BURDICK
 Interim Operations Supt.

Noted by: *Tom Davis*
 TOM DAVIS
 Plant Manager

JIM WILLEY
 Facility Manager

FROM : SYSTEM CONTROL (DELTA)
 01-02-2005 10:42AM FROM-COMVANT PHILS.
 PHONE NO. : 6350415
 +632843028
 FEB 01 2005 10:42PM P2
 T-584 P 007/022 F-703



ATTACHMENT C.5

DAY – AHEAD LOAD PROJECTION – SAN LORENZO

San Lorenzo 500MW CCPS
Day Ahead Load Projection



Company	San Lorenzo CCPS
Dept	Operations/CCR
Telephone	807
Fax	7713

Company	Meralco
Dept	System Control Center
Telephone	748 (Delta South)
Fax	6644

Day Ahead Projection for Feb 2, 2005

Hour	Net Import	Commercial Ops Prog	Plant Capability	
	kWh	Net kWh	Net kWh	Gross kWh
00:00 - 01:00		494,180	504,265	514,265
01:00 - 02:00		494,180	504,265	514,265
02:00 - 03:00		494,180	504,265	514,265
03:00 - 04:00		494,180	504,265	514,265
04:00 - 05:00		494,180	504,265	514,265
05:00 - 06:00		494,180	504,265	514,265
06:00 - 07:00		494,180	500,000	510,000
07:00 - 08:00		494,180	500,000	510,000
08:00 - 09:00		494,180	500,000	510,000
09:00 - 10:00		494,180	500,000	510,000
10:00 - 11:00		494,180	495,000	505,000
11:00 - 12:00		494,180	495,000	505,000
12:00 - 13:00		494,180	495,000	505,000
13:00 - 14:00		494,180	495,000	505,000
14:00 - 15:00		494,180	495,000	505,000
15:00 - 16:00		494,180	495,000	505,000
16:00 - 17:00		494,180	495,000	505,000
17:00 - 18:00		494,180	500,000	510,000
18:00 - 19:00		494,180	500,000	510,000
19:00 - 20:00		494,180	500,000	510,000
20:00 - 21:00		494,180	504,265	514,265
21:00 - 22:00		494,180	504,265	514,265
22:00 - 23:00		494,180	504,265	514,265
23:00 - 24:00		494,180	504,265	514,265
Total	0	11,860,313	12,007,650	12,247,650

	Start up Notice Required	Time from Start to GT Synch	Time from GT Synch to 80MW	Time from 80MW to ST Synch	Loading Rate after ST Synch	Minimum stable Generation	Time to Deload and De-Synch
	hrs/mins	hrs/mins	hrs/mins	hrs/mins	MW/min	MW	hrs/mins
Module 50	4	0:15	0:30	1:30	6	150	1:00
Module 60	4	0:15	0:30	1:30	6	150	1:00

	Status @ 10:00 Feb 1, 2005				Remarks :
	In Service	Stand by	Unavailable Today	Unavailable Tomorrow	
Module 50	183MW				Unit 50: Gas Dispatch Unit 60: Gas Dispatch
Module 60	185MW				

San Lorenzo CCPS	
Declared by	San Lorenzo CCPS
Signature	
Name	TP Bendaña Jr.
Date	Feb 1, 2005
Time	10:00

Meralco	
Acknowledge	
Signature	
Name	
Date	
Time	



ATTACHMENT C.6

DAY – AHEAD LOAD PROJECTION – STA RITA

**Santa Rita 1000 MW CCPS
Day Ahead Load Projection**



Company	Santa Rita CCPS
Dept	Operations/CCR
Telephone	807
Fax	7713

Company	Meralco
Dept	System Control Center
Telephone	748 (Delta South)
Fax	6644

Day Ahead Projection for Feb 2, 2005

Hour	Net Import	Commercial Ops Prog	Plant Capability	
	kWh	Net kWh	Net kWh	Gross kWh
00:00 - 01:00		982,704	1,002,759	1,022,759
01:00 - 02:00		982,704	1,002,759	1,022,759
02:00 - 03:00		982,704	1,002,759	1,022,759
03:00 - 04:00		982,704	1,002,759	1,022,759
04:00 - 05:00		982,704	1,002,759	1,022,759
05:00 - 06:00		982,704	1,002,759	1,022,759
06:00 - 07:00		982,704	995,000	1,015,000
07:00 - 08:00		982,704	995,000	1,015,000
08:00 - 09:00		982,704	995,000	1,015,000
09:00 - 10:00		982,704	995,000	1,015,000
10:00 - 11:00		982,704	985,000	1,005,000
11:00 - 12:00		982,704	985,000	1,005,000
12:00 - 13:00		982,704	985,000	1,005,000
13:00 - 14:00		982,704	985,000	1,005,000
14:00 - 15:00		982,704	985,000	1,005,000
15:00 - 16:00		982,704	985,000	1,005,000
16:00 - 17:00		982,704	985,000	1,005,000
17:00 - 18:00		982,704	990,000	1,010,000
18:00 - 19:00		982,704	990,000	1,010,000
19:00 - 20:00		982,704	990,000	1,010,000
20:00 - 21:00		982,704	1,002,759	1,022,759
21:00 - 22:00		982,704	1,002,759	1,022,759
22:00 - 23:00		982,704	1,002,759	1,022,759
23:00 - 24:00		982,704	1,002,759	1,022,759
Total	0	23,584,892	23,872,590	24,352,590

	Start up Notice Required	Time from Start to GT Synch	Time from GT Synch to 80MW	Time from 80MW to ST Synch	Loading Rate after ST Synch	Minimum stable Generation	Time to Deload and De-Synch
	hrs/mins	hrs/mins	hrs/mins	hrs/mins	MW/min	MW	hrs/mins
Module 10	4	0:15	0:30	1:30	6	150	1:00
Module 20	4	0:15	0:30	1:30	6	150	1:00
Module 30	4	0:15	0:30	1:30	6	150	1:00
Module 40	4	0:15	0:30	1:30	6	150	1:00

	Status @ 10:00 Feb 1, 2005				Remarks :
	In Service	Stand by	Unavailable Today	Unavailable Tomorrow	
Module 10	249MW				Unit 10: Gas Dispatch Unit 20: Gas Dispatch Unit 30: Gas Dispatch Unit 40: Gas Dispatch
Module 20	244MW				
Module 30	248MW				
Module 40	248MW				

Santa Rita CCPS	
Declared by	Santa Rita CCPS
Signature	
Name	TP Bendaña Jr.
Date	Feb 1, 2005
Time	10:00

Meralco	
Acknowledge	
Signature	
Name	
Date	
Time	



8.0 GLOSSARY OF TERMS & ABBREVIATIONS



AGC	Automatic Generation Control
Ancillary Services Provider	A person or an entity providing ancillary services and registered with the Market Operator.
Automatic Load Drop	The process of automatically and deliberately removing pre-selected loads from a power system in response to an abnormal condition order to maintain the integrity of the system.
Availability	The duration of time over a specified period that a plant/unit is ready to be in service or operational.
Bid	Pertains to a tender of a Load Customer in the WESM
Bilateral Contract	A contract between parties, the net effect of which is that a defined quantity of electricity has been sold by one party to another, at a particular <i>node</i> .
Black Start Capability	In relation to a <i>generating unit</i> , the ability to start and <i>synchronize</i> without using <i>supply</i> from the <i>power system</i> .
Black Start-up Facilities	Facilities which provide <i>black start capability</i> .
Capability	Highest power that a specified generating unit can deliver and sustain whenever called upon.
Central Dispatch	The process of scheduling by the <i>Market Operator</i> and issuing direct instructions to electric power industry participants by the <i>System Operator</i> to achieve the economic operation of the <i>transmission system</i> while maintaining its quality, stability, reliability and security.
Constraint	A limitation of the capability of any combination of network elements, loads, generating units or Ancillary Service Providers such that it is, or is deemed by the System Operator to be, unacceptable to adopt the pattern of transfer, consumption, generation or production of electrical power or other services that would be most desirable if the limitation were removed.
Constraint Violation	A <i>constraint</i> is violated when the loadings of <i>network elements</i> , <i>loads</i> , <i>generating units</i> or <i>Ancillary Service Providers</i> involved in that <i>constraint</i> combine in such a way as to exceed the limit specified by that <i>constraint</i> .
Constraint Violation Coefficients	Otherwise known as CVC. Coefficients set by the <i>Market Operator</i> in accordance with Constraint Violation Coefficients. The <i>Market Operator</i> is to ensure that, if constraints shall be violated, such violation will occur in appropriate priority order.
Contingency	Any disruptive event that the market or the system are designed or planned to withstand and maintain normal operation without the need for drastic emergency actions.



Contingency Reserve	Generating Capacity that is intended to take care of the loss of the largest Synchronized Generating Unit or the power import from a single Grid interconnection, whichever is larger. Contingency Reserve includes Spinning Reserve and Back-up Reserve.
Customer	A person who: (a) engages in the activity of purchasing electricity <i>supplied</i> through a <i>transmission</i> or <i>distribution system</i> other than where all that person's electricity requirements are purchased from a <i>Supplier</i> ; and (b) registers with the <i>Market Operator</i> in that capacity under clause 2.3.2 of the WESM Rules
Day-Ahead Projection	Otherwise known as DAP. Projections of market conditions for the day ahead determined and published by the Market Operator in accordance with the Day Ahead Projections.
Demand Bid	A standing bid, or market bid to buy electricity submitted, or revised, by a Customer in accordance with Customer Demand Bids, Revision of Standing Offers/Bids, Confirmation of Receipt of Valid Offers and Bids, Overriding Constraints and containing the information specified in Information to be Supplied with Offers to Supply and to Buy Electricity respectively.
Dispatch	The act by which the System Operator initiates all or part of the response offered or bid by a scheduled generating unit or scheduled load in accordance with the Responsibilities of the System Operator.
Dispatch Hour	Means a one hour period within a dispatch day.
Dispatch Load	A load which is able to respond to dispatch instructions and so may be treated as a scheduled load in the dispatch process.
Dispatch Schedule	The target loading levels in MW for each scheduled generating unit or scheduled load and for each reserve facility for the end of that trading interval, determined by the Market Operator through the use of a market optimization model
Dispatch Tolerance	Limits on the extent to which Trading Participants may deviate from dispatch targets determined by the System Operator in accordance with clause 3.8.7 of the WESM Rules.
Dispatchable Reserve	The ability to respond to a re-dispatch performed by the <i>System Operator</i> during a <i>trading interval</i> , on either a regular or an ad hoc basis.
Dispatching	The issuance of instructions by SO-PMC to plant/unit/substation to achieve at economical operation and maintain stability and reliability of the system.



Distribution Code	The set of rules, requirements, procedures, and standards governing Distribution Utilities and users in the operation, maintenance, and development of their distribution systems. It also defines and establishes the relationship of the distribution systems with the facilities or installations of the parties connected thereto.
Emergency	A situation which has an adverse material effect on electricity supply or which poses as a significant threat to system security.
Ex-Ante Dispatch	The <i>dispatch</i> targets set for the end of a <i>trading interval</i> , immediately preceding the beginning of that <i>trading interval</i> .
Ex-Post	A matter determined in relation to a trading interval after that trading interval concludes.
Ex-Post Nodal Energy Price	The price determined by the Market Operator for a particular market node and trading interval, after the end of that trading interval
Ex-Post Zonal Energy Price	A price determined by averaging ex-post nodal energy prices.
Force Majeure Event	An event arising from major network trouble that caused partial or system-wide blackout, market system software failure, and any other event, circumstance or occurrence in nature of, or similar in effect to any of the foregoing.
Generating Unit	A single machine generating electricity and all the related equipment essential to its functioning as a single entity and having a nameplate rating of 1MW or more.
Generation	The production of electrical power by converting one form of <i>energy</i> to another in a <i>generating unit</i> .
Generation Offer	A standing offer, or market offer to supply electricity, submitted or revised by a Generation Company in accordance with Generation Offers and Data, Revision of Standing Offers/Bids, Initial setting of Market Offers/Bids and Revision of Market Offers/Bids.
Generator / Generator Company	Any person or entity authorized by ERC to operate a facility used in the Generation of Electricity.
Grid	The high voltage backbone System of interconnected transmission lines, substations, and related facilities for the purpose of conveyance of bulk power. Also known as the Transmission System.
Grid Code	The set of rules, requirements, procedures, and standards to ensure the safe, reliable, secured and efficient operation, maintenance, and development of the high voltage backbone Transmission Systems and its related facilities.



<i>Interruptible Load</i>	Otherwise known as ILD. Means <i>load</i> that a <i>Customer</i> is able to interrupt at very short notice in response to: (a) A <i>frequency</i> deviation; or (b) A request of the <i>System Operator</i> , in order to meet <i>contingency reserve</i> requirements, subject to the requirements of the <i>Grid Code</i> and <i>Distribution Code</i> .
<i>Intervention</i>	A measure taken by the <i>System Operator</i> when the <i>grid</i> is in extreme state condition as established in the <i>Grid Code</i> arising from a threat to <i>system security</i> , <i>force majeure</i> or <i>emergency</i> . During such event, the <i>administered price cap</i> shall be used for settlements.
<i>Load</i>	The amount of energy consumed in a defined period via a node.
<i>Load Forecast</i>	A forecast, prepared in accordance with the procedures to be developed under Load Forecasting of WESM Rules, of the load, net of any non-scheduled generation, to be matched, along with any scheduled load, by generation from scheduled generation facilities.
<i>Load Shedding</i>	Reducing or <i>disconnecting load</i> from the <i>power system</i> .
<i>Manual Load Dropping</i>	The process of manually and deliberately removing pre-selected loads from a power system in response to an abnormal condition in order to maintain the integrity of the system
<i>Market Bid</i>	A <i>demand bid</i> for a particular <i>trading interval</i> of a <i>particular trading day</i> in the current <i>market horizon</i> , whether formed from a <i>standing bid</i> in accordance with Initial setting of Market Offers/Bids of WESM Rules or revised by the relevant <i>trading participant</i> , in accordance with Revision of Market Offers/Bids.
<i>Market Dispatch Optimization Model</i>	The optimization model which contains the mathematical algorithm approved by the PEM Board to be used for the purposes of determining dispatch schedules and energy prices, and preparing market projections based on the price determination methodology approved by ERC.
<i>Market Horizon</i>	Otherwise known as Study Points. A period for which day-ahead or week-ahead projections are performed, as defined in the timetable.
<i>Market Network Model</i>	A mathematical representation of the power system, which will be used for the purpose of determining dispatch schedules and energy prices, and preparing market projections.
<i>Market Offer</i>	A generation offer for a particular trading interval of a particular trading day in the current market horizon, whether formed from a standing offer in accordance with Initial setting of Market Offers/Bids or revised by the relevant trading participant, in accordance with Revision of Market Offers/Bids of the WESM rules respectively.



Market Operator	The entity responsible for the operation of the spot market governed by the PEM Board in accordance with Governance of the Market under WESM rules which, for the avoidance of doubt, is the AGMO for a period of twelve months from the spot market commencement date and thereafter the entity to which the functions, assets and liabilities of the AGMO are transferred in accordance with the Wholesale Electricity Spot Market under RA 9136.
Market Participants	A customer or Generation Company.
Market Price	A generic term covering prices for energy and reserve, ex-ante or ex-post, nodal or zonal, as appropriate.
Market Projections	Week ahead or day ahead projections of spot market conditions, performed in accordance with the WESM Timetable.
Market Suspension	An event wherein the ERC declares the operation of the spot market to be suspended in cases of natural calamities or national and international security emergencies. During such event, the administered price cap shall be used for settlements.
Meter	A device, which measures and records the consumption or production of electricity.
Metering	Recording the production or consumption of electrical energy.
Minimum Stable Loading	The minimum demand that a Generating Unit can safely maintain for an indefinite period of time.
MMS-MPI	It is a user terminal where Trading Participants can submit bids and offers as well as retrieve or receive information on WESM operations.
MW	Mega-Watt, unit of power equivalent to 1,000,000 Watts
Network	The apparatus, equipment and plant used to convey, and control the conveyance of, electricity to customers (whether wholesale or retail) excluding any connection equipment. In relation to a Network Service Provider, a network owned, operated or controlled by the Network Service Provider.
Network Constraints	Constraints representing network characteristics, such as limits on transmission line flows to be included in the market dispatch optimization model in accordance with <i>Network constraints</i> , as implied by the <i>market network model</i> provided by the <i>System Operator</i> under System Operator Data.
Network Lines	The: (a) <i>transmission lines</i> ; (b) <i>distribution lines</i> ; (c) <i>transformer</i> elements; and (d) other plant associated with transmission lines and distribution lines.



Network Service Provider	A person who engages in the activity of owning, controlling, or operating a transmission or distribution system and who is registered with the Market Operator in that capacity under Network Service Provider.
Nodal Value of Lost Load (Nodal VoLL)	Means the <i>constraint violation coefficient</i> of the <i>energy balance equations</i> for each <i>node</i> set by the <i>Market Operator</i> in accordance with clause 3.6.2.3 of the WESM Rules.
Node	A connection point on a network, or junction point within a network model, whether physical, or normal.
Non-Scheduled Generating Unit	A generating unit or a group of generating units connected at a common point with a nameplate rating and a combined nameplate rating of less than one tenth of one percent (<0.1%) of the peak load in a particular reserve region, or less than ten percent (<10%) of the size of the interconnection facilities, whichever is lower.
Offer	Pertains to a tender of a Generator in the WESM
Outage	Any full or partial unavailability of equipment or facility.
Over-Riding Constraints	Constraints imposed in the <i>market dispatch optimization model</i> by the <i>Market Operator</i> , at the recommendation of the <i>System Operator</i> , with the intention of over-riding the effect of a <i>Trading Participant's</i> offers or <i>demand bids</i> in accordance with clause 3.5.13 of the WESM Rules.
PEM Board	The group of directors serving from time to time on the board that is responsible for governing the WESM.
Plant	Any equipment involved in generating, utilizing or transmitting electrical <i>energy</i> .
Power System	The integrated system of <i>transmission</i> and <i>distribution networks</i> for the <i>supply</i> of electricity in the Philippines.
Pre-Dispatch Market Projection	Includes the Week Ahead Projection (WAP) and Day Ahead Projection (DAP)
Pricing Error Notice	A notice issued in accordance with clause 3.9.6 of the WESM Rules advising the market that the <i>ex ante prices</i> for a particular <i>trading interval</i> are unavailable, or invalid.
Projection	A set of results derived in accordance with clause 3.7 of the WESM Rules from a series of <i>market dispatch optimization model</i> runs describing projected market conditions over a <i>day-ahead or week-ahead market horizon</i> for a particular <i>scenario</i> of <i>net forecast load</i> , and set of assumptions with respect to availability of key system elements.
Publish	Means, in respect of a document or information, to place that document or information on the MO's web site, and publication shall be interpreted accordingly.
Ramp Rate	The rate of change in electricity production or consumption from a generating unit or scheduled load.



Reactive Energy	A measure in var-hours (VARH) of the alternating exchange of stored <i>energy</i> in inductors and capacitors, which is the time integral product of <i>voltage</i> , and the quadrature component of current flow across a <i>connection point</i> .
Real Time Dispatch	Otherwise known as RTD. It is the Hour-Ahead Dispatch Schedule which determines the target loading of facilities at the end of the trading interval. The RTD calculates the Ex-ante Nodal Prices.
Real Time Energy Market	Otherwise known as RTEM. It contains the bids/offers of scheduled generators/loads.
Real Time Ex-post	Otherwise known as RTX. It is a real time dispatch schedule process performed at the end of a trading interval utilizing actual operations data. The RTX calculates the Ex-post Nodal Prices.
Regulating Reserve	The ability to adjust generation continuously in response to small frequency changes, so as to cover load fluctuations or minor breakdowns, defined as an <i>ancillary service</i> in clause 3.3.4.2 (a) of the WESM Rules.
Reserve	Operating Reserves that are tradable in the WESM.
Reserve Facility Category	A particular type of reserve facility, characterized by its technology (e.g. interruptible load, synchronized generation, non-synchronized generation) which is reflected in the type of offer it can make, and the reserve effectiveness factor.
Reserve Offer	A <i>standing offer</i> , or <i>market offer</i> to supply reserves, submitted or revised by a <i>Customer</i> or <i>Generation Company</i> in accordance with clause 3.5.7, 3.5.8, 3.5.10 or 3.5.11 of the WESM Rules
Reserve Region	A zone of the power system from which a particular reserve category can be supplied to meet a particular locationally specific requirement.
Run	A particular instance of the <i>market dispatch optimization model</i> performed for a particular <i>trading interval</i> , or a set of such instances <i>model</i> performed for all the <i>trading intervals</i> in a market horizon.
Scheduled Generating Unit	A <i>generating unit</i> so classified in accordance to register as a <i>WESM Member</i> , a <i>Generation Company</i> shall: Classify each of the <i>generating units</i> which form part of the <i>generating system</i> it owns, operates or controls or from which it otherwise sources electricity. A <i>generating unit</i> or a group of <i>generating units</i> connected at a common connection point with a <i>nameplate rating</i> or a combined <i>nameplate rating</i> of greater than or one tenth of one percent (>0.1%) of the peak load in a particular <i>reserve region</i> .



Scheduled Generation Company	A <i>Generation Company</i> that is required to play an active role in the <i>spot market</i> by submitting <i>generation offers</i> , and being subject to central dispatch.
Scheduled Load	A load which is able to respond to dispatch instructions, and has been bid into the spot market using a demand bid and so may be scheduled and dispatched via the scheduling and dispatch procedures
Shutdown	The condition of the equipment when it is de-energized or disconnected from the system.
SO System Advisories	Are messages issued by the System Operator (SO) depicting particular issues regarding existing or anticipated status of the power system.
Standing Offer/Bid	A standing offer to sell <i>energy</i> or <i>reserve</i> , or a bid to buy <i>energy</i> , submitted by the relevant <i>Trading Participant</i> in accordance with <i>Generation Offers and Data</i> , <i>Customer Demand Bids</i> , <i>Generation Company Reserve Offers</i> or <i>Customer Reserve Offers</i> and revised from time to time in accordance with <i>Revision of Standing Offers/Bids</i> , and effective until over-ridden by submission of a specific <i>market offer</i> in accordance with <i>Revision of Market Offers/Bids</i> .
Status	The actual operating condition of a generation unit or facility, including its Current commitment state, generation level, and AGC activation status.
System	The actual operating condition of a generation unit or facility, including its current commitment state, generation level, and AGC activation status.
System Operator	The party identified as the System Operator pursuant to the Grid Code which is the party responsible for generation dispatch, the provision of ancillary services and operation and control to ensure safety, power quality, stability, reliability and security of the grid.
System Security	The safe scheduling, operation and control of the <i>power system</i> on a continuous basis in accordance with the <i>system security and reliability guidelines</i> established under the <i>Grid Code</i> .
System Security & Reliability Guidelines	The standards governing <i>system security</i> and <i>reliability</i> of the <i>power system</i> , which may include but are not limited to standards for the <i>frequency</i> of the <i>power system</i> in operation and <i>ancillary services</i> (including guidelines for assessing requirements and utilization), developed by the <i>Market Operator</i> and <i>System Operator</i> in accordance with the <i>Grid Code</i> .
System Snapshot	Otherwise known as EMS Snapshot. The system snapshot contains MW loadings of generators and loads. The system snapshot also indicates connection status of the power system.



Target Loading Level	The loading level determined as an end-of-period target for a scheduled generator or load by the Market Operator in accordance with Use the <i>market dispatch optimization model</i> to determine the <i>target loading level</i> in MW for each <i>scheduled generating unit</i> or <i>scheduled load</i> and for each <i>reserve facility</i> for the end of that <i>trading interval</i> using the latest data from the <i>System Operator</i> and <i>Trading Participants</i> .
Timetable	Otherwise known as WESM Timetable. The timetable prepared by the Market Operator for operation of the spot market in accordance with clause 3.4.2 of the WESM Rules.
Trading Interval	A 1-hour period commencing on the hour.
Trading Day	The 24-hour period commencing according to the Timetable.
Trading Participants	A Customer or Generation Company.
Transmission Lines	Means a power line that is part of a transmission network.
Transmission Network	A <i>network</i> operating at nominal <i>voltages</i> of 220 kV and above plus: (a) any part or a <i>network</i> operating at nominal <i>voltages</i> between 66kV and 220kV that operates in parallel to and provides support to the higher <i>voltage transmission network</i> ; (b) any part of a <i>network</i> operating at nominal <i>voltages</i> between 66 kV and 220kV that does not operate in parallel to and provide support to the higher <i>voltage transmission network</i> but is deemed by the <i>Government</i> to be part of the <i>transmission network</i> .
Transmission Right	The right to financial compensation based on differences between <i>nodal energy prices</i> at different <i>market trading nodes</i> as notified under clause 3.13.2, and settled in accordance with clause 3.13.15 of the WESM Rules.
Transmission System	The <i>transmission network</i> together with the <i>connection assets</i> associated with the <i>transmission network</i> , which is <i>connected</i> to another <i>transmission</i> or <i>distribution system</i> .
Voltage	The electronic force or electric potential between two points that give rise to the flow of electricity.
Week-Ahead Market Projection	Otherwise known as WAP. The projections performed for the week-ahead market horizon by the Market Operator in accordance with the WESM Timetable.
WESM Participants	All Generation Companies, Distribution Utilities, Suppliers, Aggregators, End-users, the TRANSCO or its Buyer or Concessionaire, IPP Administrators, and other entities authorized by the ERC to participate in the WESM in accordance with the Republic Act No. 9136.
WESM Rules	The detailed rules that govern the administration and operation of the WESM.



Philippine Wholesale Electricity Spot Market

Dispatch Protocol

WESM DP-001

Wholesale Electricity Spot Market (“WESM”)	The electricity market established by the DOE in accordance with the Republic Act No. 9136.
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