

PUBLIC

Market Network Model

Issue No. 182

Abstract This document presents the aforementioned version (or issue) of the Market Network Model used in the Philippines' Wholesale Electricity Spot Market, which includes information on its development and deployment

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179	04/07/2020	<ul style="list-style-type: none"> I. Updated Appendix 1 and 2 to reflect the changes in the Bus Oriented Single Line Diagrams of the Luzon and Visayas Grid II. Updated Sections 7.1, 7.2, 7.5, and 7.8 to reflect changes related to the modeling of Luzon and Visayas Grid. III. Updated Section 8 to specify changes applied to the MNM relating to Issue 179.
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182	08/03/2020	<ul style="list-style-type: none"> I. Updated Appendix 1 and 2 to reflect the changes in the Bus Oriented Single Line Diagrams of the Luzon and Visayas Grid II. Updated Section 8 to specify changes applied to the MNM relating to Issue 182.

¹All information on changes from previous versions (or issue nos.) of the Market Network Model can be found in previous MNM Documents. All MNM Documents are available in the Downloads Section of the IEMOP Public Website.

Related Document

Document ID	Document Title
	WESM Rules
	Philippine Grid Code
	WESM Manual on Market Network Model Development and Maintenance – Criteria and Procedures

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SECTION 1. INTRODUCTION

1.1. Background

This document presents the Market Network Model (the “MNM”) that is used in the Philippine Wholesale Electricity Spot Market, which currently operates in the Luzon and Visayas Grids. This document provides the detailed information on its development and deployment, including the registry of market trading nodes.

1.2. Purpose

This document aims to achieve the following.

- 1.2.1. Provide for transparency in developing the WESM Market Network Model.
- 1.2.2. Comply with the requirements specified in Section 3.2 of the WESM Rules, and the WESM Manual on Market Network Model Development and Maintenance – Criteria and Procedures.

1.3. Scope

This document currently covers the market network model for the Luzon and Visayas grids. The Luzon and Visayas grids are modeled in the MNM for use in the commercial operations of the WESM. Although there are resources and equipment that represent the Mindanao grid, information therein is not updated and not for commercial use.

SECTION 2. DEFINITION OF TERMS

Unless the context provides otherwise or defined in this Section, the terms used in this document have the same meaning as defined in the WESM Rules, the Philippine Grid Code and the WESM Manual on Market Network Model Development and Maintenance – Criteria and Procedures.

- a. **Region** – refers to the three major power system grids of the Philippines namely the Luzon Grid, the Visayas Grid and the Mindanao Grid.
- b. **Zone** – the geographical location assigned to a particular resource and station. A numerical prefix is used to all resources and stations name from 1-9 to identify a particular zone in which they are connected, as follows: 1 – North Luzon, 2 – Metro Manila, 3 – South Luzon, 4 – Leyte/Samar, 5 – Cebu, 6 – Negros, 7 – Bohol, 8 – Panay, and 9 – Mindanao.
- c. **Zone Name** – name used to define the particular zone in the MMS namely: NORT for North Luzon, METR for Metro Manila, SOUT for South Luzon, LEYT for Leyte/Samar, CEBU for Cebu, NEGR for Negros, BOHO for Bohol, PANA for Panay, and MIND for Mindanao.
- d. **Load Group**–used to define the particular group of loads in the MMS namely: NORT_LG for North Luzon Load Group, METR_LG for Metro Manila Load Group, SOUT_LG for South Luzon Load Group, LEYT_LG for Leyte/Samar Load Group, CEBU_LG, for Cebu Load Group NEGR_LG for Negros Load Group, BOHO_LG for Bohol Load Group, PANA_LG for Panay Load Group, and MIND_LG and Mindanao Load Group.
- e. **Resource Node**– refers to a particular generating unit or a particular load/customer. A numerical prefix is use to indicate at which zone a resource is connected, e.g. 1MAGAT_G01 is generating unit located in North Luzon; 3LABO_T1L1 is load connected in South Luzon.
- f. **Station** – name convention assigned to a particular power substation in which a resource is connected. A numerical prefix is used to indicate at which zone a station is connected, e.g. 2ARANETA – Araneta substation located in Metro Manila; 5BANILAD – Banilad substation located in Cebu.
- g. **Common Name** – refers to the actual name of a particular plant.
- h. **Company Name** – refers to the owner of a particular plant.
- i. **Customer**– refers to a distribution company, electric cooperative or private entity that purchases electricity in the WESM.
- j. **Trading Participant** – refers to a person or an entity registered with the Market Operator as either: (a) a customer; or (b) a generation Company, and may be registered as Direct WESM Member or an Indirect WESM Member in respect of its activities relating to trading in the spot market subject to compliance with the relevant prerequisites set out in the WESM Rules.

SECTION 3. RESPONSIBILITIES

3.1. Market Operator

The Market Operator shall be responsible for the development, validation, maintenance, publication, and revision of this document.

3.2. System Operator

The System Operator shall provide the necessary information and references for subsequent revisions and validation of this document.

3.3. Trading Participants

The Trading Participants shall provide the necessary information and references for subsequent revisions and validation of this document.

SECTION 4. EMS – MMS DATA INTERCHANGE

The Energy Management System (the “EMS”) of the System Operator provides the power system snapshot to the MMS every five (5) minutes. The EMS snapshot is a breaker-oriented representation of the power system and provides the injections and withdrawal of power (i.e., MW and MVAR) and the status of the individual power circuit breakers connecting the power equipment at all the monitored points in the power system.

The snapshot essentially provides the latest condition and topology (up to 5 minutes) of the power system to the MMS. The MMS then translates the breaker-oriented information EMS model into the bus-oriented Market Network Model. This information is then used by the MMS in determining the latest system condition and produce schedules and prices in the electricity market.

SECTION 5. MARKET NETWORK DATA FILES

5.1. Modeling Requirements and Information

Appendix 1 of the MNM Manual details the technical parameters to be used in defining the physical power system into its mathematical representation. The technical parameters define the topology of the power system, impedances, thermal limits, line and equipment loss parameters, generator parameters and High Voltage Direct Current line limits. This information is provided by the System Operator to the Market Operator.

The following lists the other modeling requirements and information used in defining the Market Network Model in the MMS:

- 5.1.1. WESM Market Network Model *Region* definition. For the MMS, three (3) *Regions* were defined for the Philippine Power System. These are:
 - a. Luzon
 - b. Visayas
 - c. Mindanao
- 5.1.2. The three *regions* are further categorized into nine (9) *zones*. The *zones* have been defined based on geographical location. The *zones* are also equivalent to the *load groups*.

Table 1 – Zone Definition

Zone Prefix	Zone	Zone Name	Load Group Name
1	North Luzon	NORT	NORT_LG
2	Metro Manila	METR	METR_LG
3	South Luzon	SOUT	SOUT_LG
4	Leyte	LEYT	LEYT_LG
5	Cebu	CEBU	CEBU_LG
6	Negros	NEGR	NEGR_LG
7	Bohol	BOHO	BOHO_LG
8	Panay	PANA	PANA_LG
9	Mindanao	MIND	MIND_LG

- 5.1.3. The voltage name is classified according to nominal voltage level, as follows:
 - a. 500 for 500 KV
 - b. 230 for 230 KV
 - c. 138 for 138 KV
 - d. 115 for 115 KV
 - e. 69 for 69 KV
 - f. 35 for 34.5 KV
 - g. 24 for 24 KV
 - h. 21 for 21 KV
 - i. 22 for 22 KV
 - j. 17 for 16.5 KV

- k. 14 for 13.8 KV
- l. 7 for 7.2 KV
- m. 4 for 4.16 KV
- n. 3 for 2.4 KV

- 5.1.4. Associated Resource and Station. A prefix is used for the generator and load resource names and station names to identify that they belong to a *zone*. Such names conform to the prefix set in section 5.1.2 of this document. The list below shows an example for each *zone*.

1MAGAT for Magat Substation located in North Luzon
2ARANETA for Araneta Substation located in Metro Manila
3CLACA for Calaca Switchyard located in South Luzon
4ISABEL for Isabel Substation located in Leyte
5BANILAD for Banilad Substation located in Cebu
6AMLAN for Amlan Substation located in Negros
7UBAY for Ubay switchyard located in Bohol
8DINGLE for Dingle Substation located in Panay
9DAVAO for Davao Substation located in Mindanao

- 5.1.5. Names have been provided for each transmission line and transformer circuit. They are represented by identifying “from” which a line is connected and “to” which station it connects into as defined in the PSS/E data. E.g. 1HERM_2BAL1 is Line 1 connecting Hermosa Substation located at North Luzon to Balintawak Substation located at Metro Manila.
- 5.1.6. The Leyte-Luzon HVDC interconnection is operated as a mono-polar HVDC interconnection and freewheeling power (MW) source and link has been modeled at both the Naga (Bicol region) and Ormoc Substation (Leyte). Default settings in the MNM show that the Maximum power (MW) flow from Ormoc to Naga (Visayas to Luzon), and vice versa, is set to 440 MW. Such a value is based on its initial designed capability. However, the System Operator can be adjust it in real-time thru submission of a security limit to the MMS.
- 5.1.7. Transformers are modeled based on their actual configuration. Normally, two-winding transformers are defined, but should a three-winding transformer exist, it shall be modeled as three (3) two-winding transformers. In addition to three winding transformers, its names are provided with a suffix of P for its Primary winding, S for its Secondary winding, and T for its tertiary winding. As an example for a two-winding transformer, 1LIMAY_TR1 is the two winding transformer 1 connected at the Limay substation located at North Luzon. As an example for a three-winding transformer, 1KDAM5_TR1P is the primary winding of transformer 1 at the Kadampat Substation located at North Luzon.
- 5.1.8. Shunt Reactors and Capacitors are modeled as shunt equipment. A suffix of S (Shunt Reactor) or C (Capacitor) followed by equipment number is used. As an

example, 1SNJOSE_C02 is capacitor 2 connected at San Jose Substation located at North Luzon, while 3GUMACA_S01 is shunt reactor 1 connected at Guava Substation located at South Luzon.

- 5.1.9. Per Unit system is used based on equipment MVA and KV rating.
- 5.1.10. Additional coding is used to represent the number of generating units in a particular plant, G01 and G02 for generator 1 and generator 2, respectively.
- 5.1.11. A standard coding to represent the Load Resource is based on zone prefix, station name in which the load is connected, and transformer and feeder number or specific customer name. As an example, 3BATAN_T1L1 refers to a load connected to transformer 1 (T1), in a particular feeder 1 (L1) of Batangas Substation located at South Luzon, while 1CBN_CELCOR refers to load connected to Cabanatuan Electric Corporation at Cabanatuan Substation located at North Luzon.
- 5.1.12. Power Circuit Breakers have been named based on the System Operator's Site Equipment Identification and Labeling (SEIL) standard. Some dummy breakers are incorporated in the MNM to distinguish the connectivity between individual generator and load resources.

Note: The complete list of resources, stations, and other parameters use in the Market Network Model are listed in Appendix 3 (Market Network Model Resources, Stations and Parameters Descriptions) of this manual.

SECTION 6. SUMMARY OF MNM REVISIONS

Every change in the Market Network Model is documented for tracking and audit purposes. Appendix 4 (Market Network Model Revisions) summarizes the changes and enhancements made on each revision of the Market Network Model.

Appendix 1 – Issue 182 Luzon Grid Bus-Oriented MNM Single Line Diagram

See accompanying document uploaded in the Market Information Website

Appendix 2 – Issue 182 Visayas Grid Bus-Oriented MNM Single Line Diagram

See accompanying document uploaded in the Market Information Website

SECTION 7. SUMMARY OF INFORMATION OF MARKET NETWORK MODEL 182

7.1. Resource Summary

The following tables show the number of substations included in the MNM, including the number Market Trading Nodes per area for generators and customers.

Luzon	No. of Stations	Market Trading Nodes	
		No. of Generator Resource Trading Nodes	No. of Customer Load Resource Trading Nodes
North Luzon	53	99	168
Metro Manila	6	10	7
South Luzon	32	60	86
Total	91	169	261

Visayas	No. of Stations	Market Trading Nodes	
		No. of Generator Resource Trading Nodes	No. of Customer Load Resource Trading Nodes
Leyte/Samar	11	10	20
Cebu	15	19	38
Negros	9	33	17
Bohol	3	6	8
Panay	9	17	29
Total	47	85	112

7.2. Stations

The following table shows the substations, and voltage levels in each substation, as modeled in this version of the MNM.

STATION	VOLTAGE LEVEL
1AMBKLAO	230
1AMBKLAO	69
1AMBKLAO	14
1ANGAT	115
1ANGAT	14
1ANGAT	4
1ANGSJO_TP2	115
1ANGSJO_TP3	115
1BAKUN	230
1BAKUN	14
1BALINGUEO	230
1BALINGUEO	69
1BCCPP	230
1BCCPP	14
1BCCPP	35
1BAUANG	230
1BAUANG	115
1BAUANG	69
1BCNOTAN	230
1BCNOTAN	69
1BINGA	230
1BINGA	69
1BINGA	14
1BNTAY	115
1BNTAY	69
1BOTOLAN	230
1BOTOLAN	69
1BPC	230
1BPPC	230
1BPPC	14
1BURGOS	115
1BURGOS	35
1BYOMBNG	230
1BYOMBNG	69
1CASCNAN	230
1CASCNAN	14
1CAWAGO	230
1CAWAGO	23
1CBNTUAN	230
1CBNTUAN	69
1CBNTUAN	14

STATION	VOLTAGE LEVEL
1CNCEPCN	230
1CNCEPCN	69
1CLARK	230
1CLARK	69
1CRUZDAN	230
1CRUZDAN	69
1CURIMAO	115
1CURIMAO	69
1CURIMAO	33
1DUHAT	230
1DUHAT	115
1EHVNAGSAAG	500
1EHVNAGSAAG	230
1EHVSJOS	500
1EHVSJOS	230
1GAMU	230
1GAMU	69
1HERMOSA	230
1HERMOSA	69
1KDAM500	500
1KDAM500	230
1KDAMPAT	230
1LMAO	230
1LMAO	14
1LAOAG	230
1LAOAG	115
1LAOAG	69
1LATRINI	230
1LATRINI	69
1LBRADOR	230
1LBRADOR	69
1LIMAY	230
1LIMAY	69
1MAGAT	230
1MAGAT	14
1MALOLOS	230
1MALOLOS	69
1MARIVELES	230
1MARIVELES	69
1MARIVELES	18
1MEXICO	230
1MEXICO	69
1MSINLOC	230
1MSINLOC	22
1MSINLOC	7
1NSNMN	230

STATION	VOLTAGE LEVEL
1NSNMN	69
1OLONGAP	230
1OLONGAP	69
1PAGUDPUD	115
1PAGUDPUD	35
1PANTABA	230
1PANTABA	14
1SNESTBN	230
1SNESTBN	115
1SNESTBN	69
1SNJOSE	230
1SNJOSE	115
1SNJOSE	35
1SNMANUEL	230
1SNMANUEL	69
1SNROQUE	230
1SNROQUE	14
1SNTGO	230
1SNTGO	69
1SUAL	230
1SUAL	22
1SUBIC	230
1SUBIC	69
1SUBIC	14
1T_ASIA	115
1T_ASIA	14
1TGEARAO	230
1TGEARAO	69
2QUEZON	230
2QUEZON	115
2TAYTAY	230
2TAYTAY	115
2DONAIMELDA	230
2DONAIMELDA	115
2MANILA	230
2MANILA	115
2MUNTINLUPA	230
2MUNTINLUPA	115
2ZAPOTE	230
2ZAPOTE	115
3AMADEO	230
3AVION	230
3AVION	14
3BACMANGP	230
3BACMANGP	14
3BATANGAS	230

STATION	VOLTAGE LEVEL
3BATANGAS	69
3BINAN	230
3BINAN	115
3CALAUAN	230
3CALAUAN	115
3CALIRAY	115
3CALIRAY	69
3CALIRAY	14
3CLACA	230
3CLACA	69
3CLACA	22
3CLACA	4
3DARAGA	230
3DARAGA	69
3DASMA	230
3DASMA	115
3DASMAEHV	500
3DASMAEHV	230
3GUMACA	230
3GUMACA	69
3ILIJAN	500
3ILIJAN	22
3KALYAAN	230
3KALYAAN	115
3KALYAAN	14
3LABO	230
3LABO	69
3LUMBAN	230
3LUMBAN	69
3MAUBAN	230
3MAUBAN	21
3MAUBAN	14
3MKBAN-A	230
3MKBAN-A	69
3MKBAN-A	14
3MKBAN-B	230
3MKBAN-B	14
3MKBAN-C	230
3MKBAN-C	14
3MKBAN-D	230
3MKBAN-D	14
3MLAYA	230
3MLAYA	115
3MLAYA	21
3NAGA	230
3NAGA	69

STATION	VOLTAGE LEVEL
3PGBILAO	230
3PGBILAO	24
3SALONG	230
3SALONG	14
3SLPGC	230
3SLPGC	14
3STARITA	230
3STARITA	23
3STARITA	17
3STROSA	230
3STROSA	115
3TAYABAS	230
3TAYABAS	115
3TAYABEHV	500
3TAYABEHV	230
3TIWI-A	230
3TIWI-A	69
3TIWI-A	14
3TIWI-C	230
3TIWI-C	14
4BABATNGN	138
4BABATNGN	69
4STARITA	138
4STARITA	69
4STARITATAP	138
4ISABEL	138
4ISABEL	69
4MAASIN	138
4MAASIN	69
4ORMOC	230
4ORMOC	138
4ORMOC	69
4CALBAYOG	138
4CALBAYOG	69
4KANANGA	230
4TABANGO	230
4TABANGO	69
4TONGONA	138
4TONGONA	14
4TONGONA	5
4PARANAS	138
4PARANAS	69
5CEBU	138
5CEBU	69
5CEDC	138
5CEDC	14

STATION	VOLTAGE LEVEL
5COLON	138
5COLON	69
5COMPSTLA	230
5COMPSTLA	138
5COMPSTLA	69
5KSPC	138
5KSPC	14
5KSPC	7
5LAPULAPU	138
5LAPULAPU	69
5MAGDUGO	230
5MAGDUGO	138
5MANDAUE	138
5MANDAUE	69
5NAGA	138
5NAGA	69
5NAGA	14
5QUIOT	138
5QUIOT	69
5SAMBOAN	138
5SAMBOAN	69
5TOLEDO	138
5TOLEDO	35
5CALUNG	138
5CALUNG	69
5CALUNG	14
5DAANBNTAY	230
5DAANBNTAY	69
5THERMA	230
5THERMA	18
6AMLAN	138
6AMLAN	69
6BACOLOD	138
6BACOLOD	69
6BACOLOD	7
6CADIZ	138
6CADIZ	69
6HELIOS	138
6HELIOS	33
6KABANKALAN	138
6KABANKALAN	69
6KBANBESS	138
6KBANBESS	14
6MABINAY	138
6MABINAY	69
6PGPP1	138

STATION	VOLTAGE LEVEL
6PGPP1	14
6PGPP2	138
6PGPP2	14
7CORELLA	138
7CORELLA	69
7UBAY	138
7UBAY	69
7TAPAL	69
7TAPAL	14
8BAROTAC	138
8BAROTAC	69
8BVISTA	69
8CONCEPCION	138
8CONCEPCION	69
8CONCEPCION	14
8DINGLE	138
8DINGLE	69
8DINGLE	14
8NABAS	138
8NABAS	69
8PANITAN	138
8PANITAN	69
8ILOILO1	138
8ILOILO1	69
8ILOILO1	18
8ILOILO1	14
8ILOILO1	4
8SNJOSE	138
8SNJOSE	69
8STBARBRA	138
8STBARBRA	69
8STBARBRA	14

7.3. Branch Group Definitions

The following table shows the list of available branch groups modeled in the MNM, including the branches (lines and/or transformers) that form the relevant branch group.

BRANCH GROUP	STATION	VOLTAGE	EQUIPMENT
N_LUZON_A	1BINGA	230	1BING_1SNM1
N_LUZON_A	1BINGA	230	1BING_1SNM2
N_LUZON_A	1BPPC	230	1BPPC_1BAL1
N_LUZON_A	1BALINGUEO	230	1BALI_1KDA1
N_LUZON_B	1CBNTUAN	230	1CBNT_1MEX1
N_LUZON_B	1NAGSAAG	230	1NGSG_1PAN1
N_LUZON_C	1LBRADOR	230	1LBRA_1BOT1
N_LUZON_C	1MEXICO	230	1MEXI_1HER1
N_LUZON_C	1MEXICO	230	1MEXI_1HER2
N_LUZON_C	1HERMOSA	230	1HERM_1DUH1
N_LUZON_D	1EHVNAGSAAG	230	1EHVN_1NGS1
N_LUZON_D	1SNMANUEL	230	1SNMA_1NGS1
N_LUZON_E	1LBRADOR	230	1LBRA_1KDA1
N_LUZON_E	1EHVNAGSAAG	500	1EHVN_1KDA1
N_LUZON_E	1EHVNAGSAAG	500	1EHVN_1KDA2
SNJOSE_BGROUP	1SNJOSE	230	1SNJO_1EHV1
SNJOSE_BGROUP	1SNJOSE	230	1SNJO_1EHV2
SNJOSE_BGROUP	1SNJOSE	230	1SNJO_1EHV3
SNJOSE_BGROUP	1SNJOSE	230	1SNJO_1EHV5
N_LUZON_TO_M_MANILA	1SNJOSE	230	1SNJO_2DOL1
N_LUZON_TO_M_MANILA	1SNJOSE	230	1SNJO_2DOL2
N_LUZON_TO_M_MANILA	2QUEZON	230	2QUEZ_2ARA1
S_LUZON_TO_M_MANILA	2MUNTINLUPA	230	2SUCA_3BIN1
S_LUZON_TO_M_MANILA	2MUNTINLUPA	230	2SUCA_3BIN2
S_LUZON_TO_M_MANILA	2MUNTINLUPA	230	2SUCA_3BIN3
S_LUZON_TO_M_MANILA	2MUNTINLUPA	230	2SUCA_3BIN4
S_LUZON_TO_M_MANILA	3DASMA	230	3DASM_2ZAP1
S_LUZON_TO_M_MANILA	3DASMA	230	3DASM_2ZAP2
S_LUZON_TO_M_MANILA	2TAYTAY	230	2DOLO_3MLA1
S_LUZON_TO_M_MANILA	2TAYTAY	230	2DOLO_3MLA2
S_LUZON_GROUP1	3AMADEO	230	3AMAD_3CLA1
S_LUZON_GROUP1	3AMADEO	230	3AMAD_3CLA2
S_LUZON_GROUP1	3STROSA	230	3STRO_3CLA1
S_LUZON_GROUP1	3BINAN	230	3BINA_3CLA1
S_LUZON_GROUP1	3BATANGAS	230	3BATA_3MKB1
S_LUZON_GROUP1	3BATANGAS	230	3BATA_3MKB2
S_LUZON_GROUP2	3MLAYA	230	3MLAY_3KAL2
S_LUZON_GROUP2	3BINAN	230	3BINA_3MKB1
S_LUZON_GROUP2	3BINAN	230	3BINA_3MKB2
S_LUZON_GROUP2	3MKBAN-A	230	3BATA_3MKB1
S_LUZON_GROUP2	3MKBAN-A	230	3BATA_3MKB2

BRANCH GROUP	STATION	VOLTAGE	EQUIPMENT
S_LUZON_GROUP3	3LABO	230	3LABO_3NAG1
S_LUZON_GROUP3	3LABO	230	3LABO_3NAG2
S_LUZON_GROUP3	1EHVSJOS	500	1EHVS_3TAY1
S_LUZON_GROUP3	1EHVSJOS	500	1EHVS_3TAY2
S_LUZON_GROUP3	3ILIJAN	500	3ILIJ_3TAY1
S_LUZON_GROUP3	3DASMAEHV	500	3DASM_3TAY1
LEYTE_TO_CEBU	5DAANBNTAY	230	5DAAN_4TAB1
LEYTE_TO_CEBU	5DAANBNTAY	230	5DAAN_4TAB2
LEYTE_TO_BOHOL	4MAASIN	138	4MAAS_7UBA1
CEBU_TO_NEGROS	5SAMBOAN	138	5SAMB_6AML1
CEBU_TO_NEGROS	5SAMBOAN	138	5SAMB_6AML2
NEGROS_TO_PANAY	6BACOLOD	138	6BACO_8BAR1

7.4. Luzon MNM Generator Resources

The following table shows the list of Luzon generator resources modeled in the MNM.

Resource Name	Description	Station	Trading Participant
1ACNPC_G01	ACNPC Tarlac Biomass Plant	1CNCEPCN	Asian Carbon Neutral Power Corporation
1AMBUK_U01	Ambuklao Hydro Electric Power Plant Unit 1	1AMBKLAO	SN Aboitiz Power - Benguet, Inc.
1AMBUK_U02	Ambuklao Hydro Electric Power Plant Unit 2	1AMBKLAO	SN Aboitiz Power - Benguet, Inc.
1AMBUK_U03	Ambuklao Hydro Electric Power Plant Unit 3	1AMBKLAO	SN Aboitiz Power - Benguet, Inc.
1AMPHAW_G01	Hedcor Hydro Electric Power Plant	1LATRINI	Power Sector Assets & Liabilities Management Corporation
1ANDA_G01	ANDA Coal-Fired Power Plant	1MEXICO	Anda Power Corporation
1ANGAT_A	Angat Hydro Electric Power Plant	1ANGAT	Angat Hydropower Corporation
1ANGAT_M	Angat Hydro Electric Power Plant	1ANGAT	Angat Hydropower Corporation
1APEC_G01	APEC Co-Generation Power Plant	1MEXICO	Asia Pacific Energy Corporation
1ARMSOL_G01	Armenia Solar Power Plant	1CNCEPCN	nv vogt Philippines Solar Energy Three, Inc.
1BAKSIP_G01	Hedcor Hydro Electric Power Plant	1LATRINI	Power Sector Assets & Liabilities Management Corporation
1BAKUN_G01	Bakun Hydro Electric Power Plant	1BAKUN	Vivant Sta. Clara Northern Renewables Generation Corporation
1BAUANG_G01	Bauang Diesel Power Plant	1BPPC	1590 Energy Corporation
1BINENG_G01	Bineng Hydro Electric Power Plant	1LATRINI	HEDCOR, Inc.
1BINGA_U01	Binga Hydro Electric Power Plant Unit 1	1BINGA	SN Aboitiz Power - Benguet, Inc.
1BINGA_U02	Binga Hydro Electric Power Plant Unit 2	1BINGA	SN Aboitiz Power - Benguet, Inc.
1BINGA_U03	Binga Hydro Electric Power Plant Unit 3	1BINGA	SN Aboitiz Power - Benguet, Inc.
1BINGA_U04	Binga Hydro Electric Power Plant Unit 4	1BINGA	SN Aboitiz Power - Benguet, Inc.
1BOSUNG_G01	Bosung Solar Power Plant	1LAOAG	Bosung Solartec, Inc.
1BT2020_G01	Bataan 2020 RE Biomass Cogeneration Power Plant	1HERMOSA	Bataan 2020, Inc.
1BTNSOL_G01	Morong Solar Power Plant	1LIMAY	SPARC-Solar Powered Agri-Rural Communities Corporation
1BULSOL_G01	San Ildefonso Solar Power Plant	1CRUZDAN	Bulacan Solar Energy Corp.
1BURGOS_G01	EDC Burgos Wind Power Plant	1BURGOS	EDC Burgos Wind Power Corporation
1BURGOS_G02	Burgos Solar Power Plant	1LAOAG	Energy Development Corporation
1BURGOS_G03	Burgos Solar Power Plant-Phase 2	1LAOAG	Energy Development Corporation
1CABSOL_G01	FCRV Solar Power Plant	1CBNTUAN	First Cabanatuan Renewable Ventures Inc.
1CAGBIO_G01	Cagayan Biomass	1GAMU	Cagayan Biomass Energy Corp.
1CAPRIS_G01	Caparispisan Wind Power Plant	1PAGUDPUD	North Luzon Renewable Energy Corporation
1CASECN_G01	Casacnan Hydro Electric	1CASCNAN	Power Sector Assets & Liabilities

Resource Name	Description	Station	Trading Participant
	Power Plant		Management Corporation
1CIP2_G01	CIP II Bunker C Fired Diesel Power Plant	1BCNOTAN	CIP II Power Corporation
1CLASOL_G01	Clark Solar Power Plant	1CLARK	Enfinity Philippines Renewable Resources Inc.
1CLEANG_G01	Cleangreen Biomass Power Plant	1HERMOSA	Cleangreen Biomass Power Plant
1CONSOL_G01	Solar Philippines' Tarlac Solar Plant	1CNCEPCN	Solar Philippines Tarlac Corporation
1DALSOL_G01	Dalayap Solar Power Plant	1CNCEPCN	nv vogt Philippines Solar Energy Four, Inc.
1GFII_G01	Isabela Bioethanol and Cogeneration Plant	1GAMU	Green Future Innovations, Inc.
1GIFT_G01	GIFT Rice Husk Fired Power Plant	1CBNTUAN	Green Innovations for Tomorrow Corporation
1GIFT_G02	Talavera Biomass Power Plant	1CBNTUAN	Green Innovations for Tomorrow Corporation
1GNPD_U01	GN Power Dinginin Unit 1	1MARIVELES	GN Power Dinginin
1GNPD_U02	GN Power Dinginin Unit 2	1MARIVELES	GN Power Dinginin
1GRGOLD_G01	Grass Gold Biomass Power Plant	1CBNTUAN	Grass Gold Biomass Power Plant
1IBEC_G01	IBEC Biomass Power Plant	1SNTGO	Isabela Biomass Energy Corporation
1IPOWER_G01	IPOWER Rice Husk Fired Power Plant	1CBNTUAN	San Jose City I Power Corporation
1IPOWER_G02	IPOWER Rice Husk Fired Power Plant Phase 2	1CBNTUAN	San Jose City I Power Corporation
1LASUER_U01	Isabela La Suerte Rice Mill	1GAMU	La Suerte Rice Mill
1LIMAY_U01	Bataan Combined Cycle Power Plant A – GT Unit 1	1BCCPP	Panasia Energy, Inc.
1LIMAY_U02	Bataan Combined Cycle Power Plant A – GT Unit 2	1BCCPP	Panasia Energy, Inc.
1LIMAY_U03	Bataan Combined Cycle Power Plant A – GT Unit 3	1BCCPP	Panasia Energy, Inc.
1LIMAY_U04	Bataan Combined Cycle Power Plant A – ST Unit 4	1BCCPP	Panasia Energy, Inc.
1LIMAY_U05	Bataan Combined Cycle Power Plant B – GT Unit 5	1BCCPP	Panasia Energy, Inc.
1LIMAY_U06	Bataan Combined Cycle Power Plant B – GT Unit 6	1BCCPP	Panasia Energy, Inc.
1LIMAY_U07	Bataan Combined Cycle Power Plant B – GT Unit 7	1BCCPP	Panasia Energy, Inc.
1LIMAY_U08	Bataan Combined Cycle Power Plant B – ST Unit 8	1BCCPP	Panasia Energy, Inc.
1MAEC_G01	Currimao Solar Power Plant	1CURIMAO	Mirae Asia Energy Corporation
1MAGAT_U01	Magat Hydro Electric Power Plant Unit 1	1MAGAT	SN Aboitiz Power - Magat, Inc.
1MAGAT_U02	Magat Hydro Electric Power Plant Unit 2	1MAGAT	SN Aboitiz Power - Magat, Inc.
1MAGAT_U03	Magat Hydro Electric Power Plant Unit 3	1MAGAT	SN Aboitiz Power - Magat, Inc.
1MAGAT_U04	Magat Hydro Electric Power Plant Unit 4	1MAGAT	SN Aboitiz Power - Magat, Inc.
1MARIS_U01	Maris Mini-Hydro Electric Power Plant Unit 1	1SNTGO	SN Aboitiz Power - Magat, Inc.
1MARIS_U02	Maris Mini-Hydro Electric	1SNTGO	SN Aboitiz Power - Magat, Inc.

Resource Name	Description	Station	Trading Participant
	Power Plant Unit 2		
1MARSOL_G01	Mariveles Solar Power Plant	1MARIVELES	Next Generation Power Technology Corp.
1MARVEL_G01	Mariveles Coal-Fired Power Plant Unit 1	1MARIVELES	GNPower Mariveles Coal Plant Ltd. Co.
1MARVEL_G02	Mariveles Coal-Fired Power Plant Unit 2	1MARIVELES	GNPower Mariveles Coal Plant Ltd. Co.
1MASIWA_G01	Masiway Hydro Electric Power Plant	1CBNTUAN	First Gen Hydro Power Corporation
1MSINLO_G01	Masinloc Coal-Fired Thermal Power Plant Unit 1	1MSINLOC	Masinloc Power Partners Co. Ltd.
1MSINLO_G02	Masinloc Coal-Fired Thermal Power Plant Unit 2	1MSINLOC	Masinloc Power Partners Co. Ltd.
1MSINLO_G03	Masinloc Coal-Fired Thermal Power Plant Unit 3	1MSINLOC	Masinloc Power Partners Co. Ltd.
1MSNLO_BATG	AES Masinloc Advancion Energy Storage Array	1MSINLOC	Masinloc Power Partners Co. Ltd.
1NIABAL_G01	NIA Baligatan Hydro Electric Power Plant	1SNTGO	National Irrigation Administration
1NMHC_G01	Irisan 1 Hydro Electric Power Plant	1LATRINI	HEDCOR, Inc.
1NMHC_G03	Irisan 3 Hydro Electric Power Plant	1LATRINI	HEDCOR, Inc.
1NWIND_G01	NWPDC Wind Power Plant	1LAOAG	Northwind Power Development Corporation
1NWIND_G02	NWPDC Phase III Bangui Bay Wind Farm	1LAOAG	Northwind Power Development Corporation
1PETRON_G01	Circulating Fluidized Bed Power Plant	1BCCPP	Petron Corporation
1PETSOL_G01	Tarlac Solar Power Plant	1CNCEPCN	PetroSolar Corporation
1PETSOL_G02	Tarlac Solar Power Plant	1CNCEPCN	PetroSolar Corporation
1PNTBNG_U01	Pantabangan Hydro Electric Power Plant Unit 1	1PANTABA	First Gen Hydro Power Corporation
1PNTBNG_U02	Pantabangan Hydro Electric Power Plant Unit 2	1PANTABA	First Gen Hydro Power Corporation
1RASLAG_G01	RASLAG Pampanga Solar Power Plant	1MEXICO	RASLAG Corp.
1RASLAG_G02	RASLAG II Solar Power Plant	1MEXICO	RASLAG Corp.
1S_ENRO_G01	Subic Diesel Power Plant	1SUBIC	One Subic Power Generation Corporation
1SABANG_G01	Sabangan Hydroelectric Power Plant	1LATRINI	Hedcor Sabangan, Inc.
1SLANGN_G01	Sal-angan Hydro Electric Power Plant	1LATRINI	HEDCOR, Inc.
1SMBELL_G01	Commonal-Uddiawan Hydropower Plant	1BYOMBNG	Smith Bell Mini-Hydro Corporation
1SMC_G01	SMC Limay Coal Power Plant	1LAMAQ	SMC Consolidated Power Corporation
1SMC_G02	SMC Limay Coal Power Plant Unit 2	1LAMAQ	SMC Consolidated Power Corporation
1SMC_G03	SMC Limay Coal Power Plant Unit 3	1LAMAQ	SMC Consolidated Power Corporation
1SMC_G04	SMC Limay Coal Power Plant Unit 4	1LAMAQ	SMC Consolidated Power Corporation
1SPABUL_G01	San Rafael Solar Power Plant	1CRUZDAN	SPARC-Solar Powered Agri-Rural Communities Corporation
1SROQUE_U01	San Roque Hydro Electric Power Plant Unit 1	1SNROQUE	Strategic Power Development Corporation

Resource Name	Description	Station	Trading Participant
1SROQUE_U02	San Roque Hydro Electric Power Plant Unit 2	1SNROQUE	Strategic Power Development Corporation
1SROQUE_U03	San Roque Hydro Electric Power Plant Unit 3	1SNROQUE	Strategic Power Development Corporation
1SUAL_G01	Sual Coal-Fired Power Plant	1SUAL	San Miguel Energy Corporation
1SUAL_G02	Sual Coal-Fired Power Plant	1SUAL	San Miguel Energy Corporation
1SUBSOL_G01	Subic Solar Power Plant	1SUBIC	Jobin –SQM Inc.
1T_ASIA_G01	TAPGC Diesel Power Plant	1T_ASIA	Trans-Asia Power Generation Corporation
1UPPC_G01	UPPC Co-generation Power Plant	1MEXICO	United Pulp and Paper Company, Inc.
1YHGRN_G01	Hermosa Solar Power Plant	1HERMOSA	YH Green Energy, Incorporated
1VSGRIP_G01	VS Gripal Biomass Power Plant	1CBNTUAN	VS Gripal Biomass Power Plant
1ZAMSOL_G01	Palauig Solar Power Plant	1BOTOLAN	SPARC-Solar Powered Agri-Rural Communities Corporation
2ECOPRK_G01	ECO Park Solar Plant	2QUEZON	ECO Park
2MILLEN_G01	Millenium Gas Turbine Power Plant	2QUEZON	Millenium Energy, Inc.
2MMPP_G01	MMPC Biomass Power Plant	2QUEZON	Montalban Methane Power Corp.
2PNGEA_G01	PGEP Payatas Biogas Plant	2QUEZON	Pangea Green Energy Philippines, Inc.
2SMNRTH_G01	SM North EDSA Solar Power Project	2QUEZON	Solar Philippines Commercial Rooftop Projects, Inc.
2VALSOL_G01	Valenzuela Solar Power Plant	2QUEZON	Valenzuela Solar Energy, Inc.
2TMOBIL_G01	Navotas Bunker C-Fired Diesel Power Plant - Mobile	2QUEZON	Therma Mobile, Inc.
2TMOBIL_G02	Navotas Bunker C-Fired Diesel Power Plant – Mobile	2QUEZON	Therma Mobile, Inc.
2TMOBIL_G03	Navotas Bunker C-Fired Diesel Power Plant – Mobile	2QUEZON	Therma Mobile, Inc.
2TMOBIL_G04	Navotas Bunker C-Fired Diesel Power Plant - Mobile	2QUEZON	Therma Mobile, Inc.
2VALSOL_G01	Valenzuela Solar	2QUEZON	Valenzuela Solar
3ADISOL_G01	Lian Solar Power Plant	3CLACA	Absolut Distillers Inc.
3AVION_U01	San Gabriel Avion Power Plant Unit 1	3AVION	Prime Meridian PowerGen Corporation
3AVION_U02	San Gabriel Avion Power Plant Unit 2	3AVION	Prime Meridian PowerGen Corporation
3AWOC_G01	Pililia Wind Farm Power Plant	2TAYTAY	Alternergy Wind One Corporation
3BACMAN_U01	Bacman Geothermal Power Plant	3BACMANGP	Bac-Man Geothermal, Inc.
3BACMAN_U02	Bacman Geothermal Power Plant	3BACMANGP	Bac-Man Geothermal, Inc.
3BACMAN_U03	Bacman Geothermal Power Plant	3BACMANGP	Bac-Man Geothermal, Inc.
3BALUG_G01	Balugbog Mini Hydro Electric Power Plant	3CALIRAY	Philippine Power and Development Company
3BART_G01	Barit Hydro Electric Power Plant	3NAGA	People's Energy Services, Inc.
3BBEC_G01	Rice Husk Fired Power Plant	3NAGA	Bicol Biomass Energy Corporation
3BOTOCA_G01	Botocan Hydro Electric Power Plant	3CALIRAY	Power Sector Assets & Liabilities Management Corporation
3CAPDI_G01	CAPDI Biomass Power Plant	3CALACA	Central Azucarera Don Pedro Inc.
3CALACA_G01	Calaca Coal-Fired Thermal Power Plant 1	3CLACA	SEM-Calaca Power Corporation

Resource Name	Description	Station	Trading Participant
3CALACA_G02	Calaca Coal-Fired Thermal Power Plant 2	3CLACA	SEM-Calaca Power Corporation
3CALIRY_G01	Caliraya Hydro Electric Power Plant	3CALIRAY	Power Sector Assets & Liabilities Management Corporation
3CALSOL_G01	Calatagan Solar Farm	3CLACA	Solar Philippines Calatagan Corporation
3CLBATO_G01	Calibato Mini Hydro Electric Power Plant	3CALAUAN	Philippine Power and Development Company
3ILIJAN_G01	Ilijan Natural Gas Power Plant	3ILIJAN	South Premiere Power Corporation
3ILIJAN_G02	Ilijan Natural Gas Power Plant	3ILIJAN	South Premiere Power Corporation
3KAL_G01	Kalayaan Hydro Electric Power Plant	3KALYAAN	Power Sector Assets & Liabilities Management Corporation
3KAL_G02	Kalayaan Hydro Electric Power Plant	3KALYAAN	Power Sector Assets & Liabilities Management Corporation
3KAL_G03	Kalayaan Hydro Electric Power Plant	3KALYAAN	Power Sector Assets & Liabilities Management Corporation
3KAL_G04	Kalayaan Hydro Electric Power Plant	3KALYAAN	Power Sector Assets & Liabilities Management Corporation
3LIAN_G01	ASEAGAS Biomass Power Plant	3CLACA	Aseagas Corporation
3MAJAY_G01	Majayjay Hydro Electric Power Plant	3CALIRAY	--
3MALAYA_G01	Malaya Oil Thermal Power Plant	3MLAYA	Power Sector Assets & Liabilities Management Corporation
3MALAYA_G02	Malaya Oil Thermal Power Plant	3MLAYA	Power Sector Assets & Liabilities Management Corporation
3MEC_G01	Majestics Energy Solar PV Plant	3DASMA	Majestics Energy Corporation
3MGPP_G01	Maibarara Geothermal Power Plant	3CALAUAN	Maibarara Geothermal, Inc.
3MGI_G02	Maibarara Geothermal Power Plant	3CALAUAN	Maibarara Geothermal, Inc.
3MKBN_A	Makban Geothermal Power Plant A	3MKBAN-A	AP Renewables Inc.
3MKBN_B	Makban Geothermal Power Plant B	3MKBAN-B	AP Renewables Inc.
3MKBN_C	Makban Geothermal Power Plant C	3MKBAN-C	AP Renewables Inc.
3MKBN_D	Makban Geothermal Power Plant D	3MKBAN-D	AP Renewables Inc.
3MKBN_E	Makban Geothermal Power Plant E	3MKBAN-A	AP Renewables Inc.
3ORMAT_G01	Ormat-Makban Binary Geothermal Power Plant	3MKBAN-A	AP Renewables Inc.
3PAGBIL_G01	Pagbilao Coal-Fired Power Plant	3PGBILAO	Therma Luzon, Inc.
3PAGBIL_G02	Pagbilao Coal-Fired Power Plant	3PGBILAO	Therma Luzon, Inc.
3PAGBIL_G03	Pagbilao 3 Power Plant	3PGBILAO	Pagbilao Energy Corporation
3PALAK_G01	Palakpakin Mini Hydro Electric Power Plant	3CALAUAN	Philippine Power and Development Company
3PSHELL_G01	Pilipinas Shell	3BATANGAS	Pilipinas Shell
3QPPL_G01	QPPL Coal-Fired Power Plant	3MAUBAN	Quezon Power (Philippines) Limited Company
3RCBMI_G01	Batangas Diesel Power Plant Unit 1	3BATANGAS	Republic Cement & Building Materials, Inc.

Resource Name	Description	Station	Trading Participant
3RCBMI_G02	Batangas Diesel Power Plant Unit 2	3BATANGAS	Republic Cement & Building Materials, Inc.
3SBPL_G01	San Buenaventura Power Plant	3MAUBAN	San Buenaventura Power Ltd. Co.
3SLPGC_G01	SLPGC CFB Coal-Fired Power Plant Unit 1	3SLPGC	Southwest Luzon Power Generation Corporation
3SLPGC_G02	SLPGC CFB Coal-Fired Power Plant Unit 2	3SLPGC	Southwest Luzon Power Generation Corporation
3SLPGC_G03	SLPGC Gas Turbine Power Plant Unit 3	3SLPGC	Southwest Luzon Power Generation Corporation
3SLPGC_G04	SLPGC Gas Turbine Power Plant Unit 4	3SLPGC	Southwest Luzon Power Generation Corporation
3SLTEC_G01	SLTEC CFB Coal-Fired Power Plant Unit 1	3SALONG	South Luzon Thermal Energy Corporation
3SLTEC_G02	SLTEC CFB Coal-Fired Power Plant Unit 2	3SALONG	South Luzon Thermal Energy Corporation
3SNGAB_G01	San Gabriel Power Plant	3STARITA	First Natgas Power Corporation
3STA-RI_G01	Sta. Rita Natural Gas Power Plant	3STARITA	First Gas Power Corporation
3STA-RI_G02	Sta. Rita Natural Gas Power Plant	3STARITA	First Gas Power Corporation
3STA-RI_G03	Sta. Rita Natural Gas Power Plant	3STARITA	First Gas Power Corporation
3STA-RI_G04	Sta. Rita Natural Gas Power Plant	3STARITA	First Gas Power Corporation
3STA-RI_G05	San Lorenzo Natural Gas Power Plant	3STARITA	FGP Corporation
3STA-RI_G06	San Lorenzo Natural Gas Power Plant	3STARITA	FGP Corporation
3TIWI_A	Tiwi Geothermal Power Plant A	3TIWI-A	AP Renewables Inc.
3TIWI_C	Tiwi Geothermal Power Plant C	3TIWI-C	AP Renewables Inc.

7.5. Luzon MNM Load Resources

The following table shows the list of Luzon load resources modeled in the MNM alongside the description of the feeder/customer that it directly represents using real-time data.

Trading Node	Description
1AEC_L01	Mexico substation to Angeles 69 kV load
1AMBUK_T1L1	Ambuklao substation to PEZA 69 kV load
1BALNEO_L01	Balingueo substation to Dagupan Electric Company 69 kV load
1BAUAN_T1L1	Bauang substation to San Fernando 69 kV load
1BAUAN_T1L3	Bauang substation to San Fernando 115 kV load
1BAUAN_T2L1	Bauang substation to Naguilian 69 kV load
1BAUAN_T2L2	Bauang substation to San Fabian 69 kV load
1BCNOT_T1L1	Bacnotan substation to CIP II 69 kV load
1BCNOT_T1L2	La Union Electric Cooperative to Bulala 69 kV load
1BINGA_T1L1	Binga substation to Itogon 69 kV load
1BNTAY_T1L1	Bantay substation to Vigan 69 kV load
1BNTAY_T1L2	Bantay substation to Sto. Domingo 69 kV load
1BNTAY_T1L3	Bantay substation to Banaoang 69 kV load
1BOTOL_T1L1	Botolan substation to Castillejos 69 kV load
1BOTOL_T1L2	Bantay substation to Candelaria 69 kV load
1BPC_T1L1	Bantay substation ²
1BTTP_T3L2	Limay substation ²
1BTTP_T3L4	Limay substation to Planters 69 kV load
1BYOMB_T1L1	Bayombong substation to Lagawe 69 kV load
1BYOMB_T1L2	Bayombong substation to Quezon 69 kV load
1BYOMB_T1L3	Bayombong substation to Bambang 69 kV load
1CBN_CELCOR	Cabanatuan substation to Bitas 69 kV load
1CBNTU_T1L1	Cabanatauan substation to Fatima 69 kV load
1CBNTU_T1L3	Cabanatuan substation
1CBNTU_T2L1	Cabanatuan substation to Bulualto 69 kV load
1CBNTU_T2L2	Cabanataun substation to San Isidro 69 kV load
1CLARK_L01	Clark substation ²
1CLARK_L02	Clark substation ²
1CLARK_L03	Clark substation to Clark Electric Distribution Corp 69 kV
1CLARK_L04	Clark substation ²
1CLARK_T1L1	Clark substation to Texas Instrument (Philippines), Inc. 69 kV load (Line 1)
1CLARK_T1L2	Clark substation to Texas Instrument (Philippines), Inc. 69 kV load (Line 2)
1CLARK_T2L1	Clark substation ²
1CN_TRELC1	Concepcion substation to Luisita 69 kV load (Line 2)
1CN_TRELC2	Concepcion substation to La Paz 69 kV load
1CNCEP_CAT	Concepcion substation to Camiling 69 kV load
1CNCEP_DAP2	Concepcion substation to Capas 69 kV load
1CNCEP_T1L3	Concepcion substation to Tinang 69 kV load
1CNCEP_TEI	Concepcion substation to Luisita 69 kV load (Line 1)

² Subject to further changes

Trading Node	Description
1CRUZD_MECO	Cruz na Daan substation to Manila Electric Company 69 kV load
1CRUZD_T2L1	Cruz na Daan substation ³
1CURIM_T1L1	Currimao substation to Lang-ayan 69 kV load
1CURIM_T1L2	Currimao substation to San Nicolas 69 kV load
1DUHAT_T1L1	Duhat substation ³
1GAMU_T1L1	Gamu substation ³
1GAMU_T1L2	Gamu substation to Roxas 69 kV load
1HANJI_T1L1	Cawago substation ³
1HANJI_T2L1	Cawago substation ³
1HERMO_T1L1	Hermosa substation to Balanga 69 kV load
1HERMO_T1L2	Hermosa substation to Calaguiman 69 kV load
1HERMO_T1L3	Hermosa substation to Dinalupihan 69 kV load
1HERMO_T1L4	Hermosa substation to Guagua 69 kV load
1LAOAG_T1L2	Laoag substation to San Nicolas 69 kV load
1LAOAG_T2L2	Laoag substation to Marcos 69 kV load
1LAT_BENECO	La Triinidad substation to Sablan 69 kV load
1LAT_PHILEX	La Trinidad substation ³
1LATRI_T1L1	La Trinidad substation to Lamut 69 kV load
1LATRI_T2L1	La Trinidad substation to Sagada 69 kV load
1LATRI_T2L2	La Trinidad substation to Beckel 69 kV load
1LBR_CNPELC	Labrador substation to Malasiqui 69 kV load
1LBR_DECORP	Labrador substation to Dagupan 69 kV load
1LBR_PNELC1	Labrador substation Bolinao 69 kV load
1MAEC_S01	Currimao substation to 69 kV Currimao Solar Power Plant
1MALOL_T1L1	Malolos substation ³
1MEX_CISP	Mexico substation to Sampaloc 69 kV load
1MEX_CLARK1	Mexico substation to Clark 69 kV load (Line 1)
1MEX_CLARK2	Mexico substation to Clark 69 kV load (Line 2)
1MEX_CND	Mexico substation to San Fernando 69 kV (Line 2)
1MEX_L01	Mexico substation to Angeles 69 kV load (Line 1)
1MEX_MIC	Mexico substation to Apalit 69 kV load
1MEX_PELCO1	Mexico substation to Arayat 69 kV load
1MEX_PIMP	Mexico substation to Calumpit 69 kV load
1MEX_SFLAPC	Mexico substation to San Fernando 69 kV (Line 1)
1MEX_SKK	Mexico substation ³
1MRVEL_T1L1	GN Power Plant to Mariveles 69 kV load
1NSNMN_L01	Nagsaag substation to San Manuel 69 kV load
1NSNMN_L02	Nagsaag substation to Umingan 69 kV load
1NSNMN_T1L1	Nagsaag substation to Northern Cement Corporation 69 kV load
1NWIND_L01	Laoag substation to Bangui Wind Farm 69 kV load
1OLONG_T1L1	Olongapo substation ³
1OLONG_T2L2	Olongapo substation to Kalaklan 69 kV load
1OLONG_T3L3	Olongapo substation ³
1SE_ABRECO	San Esteban substation to Bangued 69 kV load

³ Subject to further changes

Trading Node	Description
1SNEST_T3L1	San Esteban substation to Candon 69 kV load
1SNEST_T3L2	San Esteban substation to Narvacan 69 kV load
1SNJOS_CAM	San Jose substation to Camarin 115 kV load
1SNJOSE_L01	San Jose substation to Novaliches 69 kV load
1SNJOS_T1L1	San Jose substation ⁴
1SNJOS_T1L2	San Jose substation to Manila Electric Company 69 kV load ⁴
1SNJOS_T1L3	San Jose substation ⁴
1SNMAN_T1L2	San Manuel substation to Sison 69 kV load
1SNTGO_T1L1	Santiago substation to ISECO 69 kV load
1SNTGO_T1L2	Santiago substation ⁴
1SNTGO_T1L3	Santiago substation to Aglipay 69 kV load
1SNTGO_T2L1	Santiago substation to 69 kV Batal substation
1SUAL_T3L1	Sual station service
1SUBIC_T3L1	Subic substation ⁴
1TG_ISELCO2	Tuguegarao substation to Cabagan 69 kV load
1TGEGA_T1L1	Tuguegarao substation ⁴
2ARANE_T1L1	Araneta substation ⁴
2BALNT_T1L1	Balintawak substation ⁴
2DOLOR_T1L1	Dolores substation ⁴
2PACO_T1L1	Paco substation ⁴
2SUCAT_T1L1	Sucat substation ⁴
2ZAPOT_T1L1	Zapote substation ⁴
3AMADEO_T1L1	Amadeo substation ⁴
3BAT_BTLEC2	Batangas substation to Bolbok 69 kV load
3BAT_LIP01	Batangas substation to Lipa 69 kV load
3BAT_MECO	Batangas substation ⁴
3BAT_MECO1	Batangas substation to Manila Electric Company 69 kV load
3BAT_ROS01	Batangas substation to Rosario 69 kV load
3BAT_T1L1	Batangas substation ⁴
3BAT_T2L1	Batangas substation ⁴
3BINAN_T1L1	Binan substation ⁴
3BOTOCA_L01	Caliraya substation ⁴
3CALAU_T1L1	Calauan substation ⁴
3CALI_FLECO	Caliraya substation to Firs Laguna Electric Cooperative, Inc 69 kV load
3CALIR_TAL1	Caliraya substation ⁴
3CLA_BCNOT	Calaca substation ⁴
3CLA_BTLEC1	Calaca substation ⁴
3CLA_STLCOR	Calaca substation to Sta. Teresita 69 kV load
3DAR_ALECO	Daraga substation to Bitano Les 69 kV load
3DAR_SRECO2	Daraga substation to Ligao 69 kV load
3DAR_STDOM	Daraga substation to Sto. Domingo 69 kV load
3DARAG_T1L1	Daraga substation to Bulan 69 kV load
3DASMA_L01	Dasmarinas substation to Rosarion 115 kV load
3GUMAC_T1L1	Gumaca substation to Progreso 69 kV load

⁴ Subject to further changes

Trading Node	Description
3GUMAC_T1L2	Gumaca substation to Pitogo 69 kV load
3GUMAC_T1L3	Gumaca substation ⁵
3GUMAC_T1L4	Gumaca substation ⁵
3KAL_E_T1L1	Lumban substation to Famy 69 kV load
3KAL_P01	Kalayaan substation ⁵
3KAL_P02	Kalayaan substation ⁵
3KAL_P03	Kalayaan substation ⁵
3KAL_P04	Kalayaan substation ⁵
3LABO_T1L1	Labo substation to Talisay 69 kV load
3LABO_T1L2	Labo substation to Paracale 69 kV load
3MAKBA_T3L1	Makban substation to Los Banos 69 kV load
3MAKBA_T3L2	Makban substation to Calamba 69 kV load
3MLAYA_T2L1	Malaya substation ⁵
3MLAYA_T2L2	Malaya substation ⁵
3NAG_CSRC2B	Naga substation ⁵
3NAG_CSRCO1	Naga substation to Libmanan 69 kV load
3NAG_CSRCO2	Naga substation ⁵
3NAG_CSRCO3	Naga substation to Iriga 69 kV load
3NAG_CSRCO4	Naga substation to Lagonoy 69 kV load
3PGBIL_SS1	Pagbilao substation ⁵
3PGBIL_SS2	Pagbilao substation ⁵
3PGBIL_SS2	Pagbilao substation ⁵
3SBPL_L01	Mauban substation San Buenaventura 230 kV load
3SNGAB_S01	Sta Rita substation ⁵
3STROS_T1L1	Sta Rosa substation ⁵
3TAYAB_T1L1	Tayabas substation to Mateuna 115 kV load
3TAYAB_T1L2	Tayabas substation ⁵

⁵ subject to further changes

7.6. Mapping of Customers to MNM Load Resources in Luzon

The following table shows the list of customers mapped to the Luzon load resources. For example, a load resource represents a grid feeder where two customers (e.g. CUST1 and CUST2) consume power from.

Resource Name	Station	Customer Full Name
1AEC_L01	1MEXICO	Angeles Electric Corporation
1AEC_L01	1MEXICO	NorthBeacon Commercial Corporation
1AMBUK_SS	1AMBKLAO	SN Aboitiz Power - Benguet, Inc.
1AMBUK_T1L1	1AMBKLAO	National Grid Corporation of the Philippines
1ANGAT_SS	1ANGAT	Angat HydroPower Corporation
1BAKUN_SS	1BAKUN	Vivant Sta. Clara Northern Renewables Generation Corporation
1BALNEO_L01	1BALINGUEO	Dagupan Electric Corporation
1BALNEO_L01	1BALINGUEO	Coca-Cola FEMSA Philippines, Inc. – Pangasinan
1BALNEO_L01	1BALINGUEO	Robinsons Land Corporation - Pangasinan
1BANTAY_SS	1BNTAY	National Grid Corporation of the Philippines
1BATAAN_SS	1LIMAY	National Grid Corporation of the Philippines
1BAUAN_T1L1	1BAUANG	La Union Electric Company, Inc.
1BAUAN_T1L3	1BAUANG	La Union Electric Company, Inc.
1BAUAN_T2L1	1BAUANG	La Union Electric Cooperative, Inc.
1BAUAN_T2L2	1BAUANG	La Union Electric Cooperative, Inc.
1BAUAN_T2L2	1BAUANG	Pepsi Cola
1BAUAN_T2L2	1BAUANG	Universal Leaf Philippines Inc.
1BAUANG_SS	1BAUANG	National Grid Corporation of the Philippines
1BCNOT_SS	1BCNOTAN	National Grid Corporation of the Philippines
1BCNOT_T1L1	1BCNOTAN	CIP II Power Corporation
1BCNOT_T1L1	1BCNOTAN	Holcim Philippines, Inc.
1BCNOT_T1L2	1BCNOTAN	La Union Electric Cooperative, Inc.
1BINGA_SS	1BINGA	SN Aboitiz Power - Benguet, Inc.
1BINGA_T1L1	1BINGA	National Grid Corporation of the Philippines
1BNTAY_T1L1	1BNTAY	Ilocos Sur Electric Cooperative, Inc.
1BNTAY_T1L2	1BNTAY	Ilocos Sur Electric Cooperative, Inc.
1BNTAY_T1L3	1BNTAY	National Irrigation Administration
1BOTOL_T1L1	1BOTOLAN	Zambales I Electric Cooperative, Inc.
1BOTOL_T1L1	1BOTOLAN	Zambales II Electric Cooperative, Inc.
1BOTOL_T1L2	1BOTOLAN	Kabayan Ice Plant
1BOTOL_T1L2	1BOTOLAN	Philippine Radio Educational & Information Center Inc. - Radio Veritas Asia
1BOTOL_T1L2	1BOTOLAN	Zambales I Electric Cooperative, Inc.
1BOTOLAN_SS	1BOTOLAN	National Grid Corporation of the Philippines
1BPC_T1L1	1BPC	Petron Corporation
1BPC_T1L1	1BPC	Philippine Resins Industries, Inc.
1BPPC_SS	1BPPC	1590 Energy Corporation
1BTTP_T3L2	1LIMAY	Peninsula Electric Cooperative, Inc.
1BTTP_T3L2	1LIMAY	Charoen Pokphand Foods Phils. Corporation
1BTTP_T3L2	1LIMAY	Masterpiece Asia Properties, Inc. (Vista Mall Bataan)

Resource Name	Station	Customer Full Name
1BTTP_T3L3	1LIMAY	Peninsula Electric Cooperative, Inc.
1BTTP_T3L4	1LIMAY	Grand Planters International, Inc.
1BTTP_T3L5	1LIMAY	Authority of the Freeport Area of Bataan
1BTTP_T3L5	1LIMAY	Next Generation Power Technology Corporation
1BTTP_T3L5	1LIMAY	Essilor Manufacturing Philippines, Inc.
1BTTP_T3L5	1LIMAY	Philippine Foremost Milling Corporation
1BURGOS_SS	1BURGOS	EDC Burgos Wind Power Corporation
1BYOMB_SS	1BYOMBNG	National Grid Corporation of the Philippines
1BYOMB_T1L1	1BYOMBNG	Ifugao Electric Cooperative, Inc.
1BYOMB_T1L1	1BYOMBNG	Nueva Viscaya Electric Cooperative, Inc.
1BYOMB_T1L1	1BYOMBNG	National Grid Corporation of the Philippines
1BYOMB_T1L2	1BYOMBNG	FCF Minerals Corporation
1BYOMB_T1L2	1BYOMBNG	Nueva Viscaya Electric Cooperative, Inc.
1BYOMB_T1L3	1BYOMBNG	Nueva Viscaya Electric Cooperative, Inc.
1CASECN_SS	1CASCNAN	Power Sector Assets & Liabilities Management Corporation
1CBN_CELCOR	1CBNTUAN	Cabanatuan Electric Corporation
1CBN_CELCOR	1CBNTUAN	N.E. Pacific Shopping Center
1CBN_CELCOR	1CBNTUAN	SM Prime Holdings (SM Mega Center)
1CBN_CELCOR	1CBNTUAN	SM Prime Holdings (SM City Cabanatuan)
1CBNTU_SS	1CBNTUAN	National Grid Corporation of the Philippines
1CBNTU_T1L1	1CBNTUAN	Central Luzon State University
1CBNTU_T1L1	1CBNTUAN	Nueva Ecija II Area 1 Electric Cooperative, Inc.
1CBNTU_T1L1	1CBNTUAN	Oliver Enterprises
1CBNTU_T1L1	1CBNTUAN	RJS Commodities
1CBNTU_T1L1	1CBNTUAN	San Jose City Electric Cooperative, Inc.
1CBNTU_T1L1	1CBNTUAN	First Gen Hydro Power Corporation - Customer
1CBNTU_T1L1	1CBNTUAN	Pantabangan Municipal Electric Services (Local Government Unit)
1CBNTU_T1L1	1CBNTUAN	National Irrigation Administration
1CBNTU_T1L1	1CBNTUAN	Grassgold Renewable Energy Corporation
1CBNTU_T1L1	1CBNTUAN	First Gen Hydro Power Corporation
1CBNTU_T1L1	1CBNTUAN	San Jose City I Power Corporation
1CBNTU_T1L1	1CBNTUAN	Green Innovation For Tomorrow Corporation (GIFT)
1CBNTU_T1L1	1CBNTUAN	VS Gripal Power Corporation
1CBNTU_T1L3	1CBNTUAN	Aurora Electric Cooperative, Inc.
1CBNTU_T1L3	1CBNTUAN	Nueva Ecija II Area 1 Electric Cooperative, Inc.
1CBNTU_T1L3	1CBNTUAN	Nueva Ecija II Electric Cooperative, Inc. - Area 2
1CBNTU_T2L1	1CBNTUAN	Nueva Ecija I Electric Cooperative, Inc.
1CBNTU_T2L1	1CBNTUAN	Willin Sales, Inc. - Waltermart (Nueva Ecija)
1CBNTU_T2L2	1CBNTUAN	Edong Cold Storage and Ice Plant
1CBNTU_T2L2	1CBNTUAN	OCT Enterprises
1CBNTU_T2L2	1CBNTUAN	Nueva Ecija II Electric Cooperative, Inc. - Area 2
1CLARK_L01	1CLARK	SFA Semicon Philippines Corporation
1CLARK_L02	1CLARK	SFA Semicon Philippines Corporation
1CLARK_L03	1CLARK	Clark Electric Distribution Corporation
1CLARK_L03	1CLARK	Amertron, Inc.
1CLARK_L03	1CLARK	BB International Leisure and Resort Development

Resource Name	Station	Customer Full Name
1CLARK_L03	1CLARK	Chitai Industry Phils., Inc.
1CLARK_L03	1CLARK	Coronation Premium Manufacturing, Inc.
1CLARK_L03	1CLARK	Donggwang Clark Corporation
1CLARK_L03	1CLARK	Eight Integ. Dev't. Corp. (Oxford Hotel)
1CLARK_L03	1CLARK	Eaglesky Technology Amusement and Gaming Inc.
1CLARK_L03	1CLARK	Feliz Premium Mfg. Inc.
1CLARK_L03	1CLARK	Mimosa Cityscapes, Inc.
1CLARK_L03	1CLARK	Multi-Tek Fasteners, Inc.
1CLARK_L03	1CLARK	Prudence Development & Management Corporation
1CLARK_L03	1CLARK	PSMC Philippines Inc.
1CLARK_L03	1CLARK	Widus International Leisure, Inc.
1CLARK_L03	1CLARK	Taiyo Nippon Sanso Clark, Inc.
1CLARK_L03	1CLARK	SMK Electronics Corporation Phil.
1CLARK_L03	1CLARK	Yokohama Tire Philippines, Inc.
1CLARK_T1L1	1CLARK	Texas Instrument (Philippines), Inc. - Clark
1CLARK_T1L2	1CLARK	Texas Instrument (Philippines), Inc. - Clark
1CN_TRELC1	1CNCEPCN	Tarlac Electric, Inc.
1CN_TRELC1	1CNCEPCN	BOUNTY FRESH FOOD INC.
1CN_TRELC1	1CNCEPCN	International Electric Wires Phils. Corporation
1CN_TRELC1	1CNCEPCN	International Wiring Systems (Phil.) Corporation
1CN_TRELC1	1CNCEPCN	Phelps Dodge Phils. Energy Products Corp. (PDP Energy Products Corp.)
1CN_TRELC1	1CNCEPCN	SMCT Realty & Holdings
1CN_TRELC1	1CNCEPCN	SM Prime Holdings, Inc. (Tarlac)
1CN_TRELC1	1CNCEPCN	On Semiconductor SSMP Philippines Corporation
1CN_TRELC1	1CNCEPCN	Tarlac Metrotown Corporation
1CN_TRELC2	1CNCEPCN	Tarlac II Electric Cooperative, Inc.
1CN_TRELC2	1CNCEPCN	557 Feather Meal Corporation
1CN_TRELC2	1CNCEPCN	Pilmico Animal Nutrition Corporation
1CNCEP_CAT	1CNCEPCN	Tarlac I Electric Cooperative, Inc.
1CNCEP_CAT	1CNCEPCN	Charoen Pokphand Food Corporation
1CNCEP_CAT	1CNCEPCN	Grobest Feeds Phils., Inc.
1CNCEP_CAT	1CNCEPCN	New Hope Tarlac Agriculture, Inc.
1CNCEP_DAP2	1CNCEPCN	Tarlac II Electric Cooperative, Inc.
1CNCEP_DAP2	1CNCEPCN	INOZA FEEDMILLING CORPORATION
1CNCEP_DAP2	1CNCEPCN	BOUNTY FRESH FOOD INC (For the account of INOZA HATCHERY POULTRY FARMS)
1CNCEP_SS	1CNCEPCN	National Grid Corporation of the Philippines
1CNCEP_T1L3	1CNCEPCN	International Broadcasting Bureau
1CNCEP_TEI	1CNCEPCN	Tarlac Electric, Inc.
1CNCEP_TEI	1CNCEPCN	Central Azucarera de Tarlac
1CRUZD_MECO	1CRUZDAN	Manila Electric Company
1CRUZD_MECO	1CRUZDAN	Eagle Cement Corp.
1CRUZD_MECO	1CRUZDAN	Invivo NSA Phils., Inc. (Bulacan Facility)
1CRUZD_MECO	1CRUZDAN	Eagle Cement Corporation
1CRUZD_MECO	1CRUZDAN	CJ Philippines, Inc
1CRUZD_SS	1CRUZDAN	National Grid Corporation of the Philippines

Resource Name	Station	Customer Full Name
1CRUZD_T2L1	1CRUZDAN	Manila Electric Company
1CRUZD_T2L1	1CRUZDAN	Chiu-Nichi Agro Resources Philippines
1CRUZD_T2L1	1CRUZDAN	Eagle Cement Corporation
1CRUZD_T2L1	1CRUZDAN	Eagle Cement Corp.
1CRUZD_T2L1	1CRUZDAN	Green Era Bio-Tech Corporation
1CRUZD_T2L1	1CRUZDAN	Solid Development Corporation
1CRUZD_T2L1	1CRUZDAN	Universal Robina
1CURIM_SS	1CURIMAO	National Grid Corporation of the Philippines
1CURIM_T1L1	1CURIMAO	Ilocos Norte Electric Cooperative, Inc.
1CURIM_T1L2	1CURIMAO	Ilocos Norte Electric Cooperative, Inc.
1DUHAT_T1L1	1DUHAT	Manila Electric Company
1DUHAT_T1L1	1DUHAT	Allied Packaging Corporation
1DUHAT_T1L1	1DUHAT	REMS Synthetic Polymer MFG / Beneto Ng Sy
1DUHAT_T1L1	1DUHAT	Calco Industries Incorporated
1DUHAT_T1L1	1DUHAT	COFTA Mouldings Corporation
1DUHAT_T1L1	1DUHAT	Coca-Cola Femsa Philippines, Inc.
1DUHAT_T1L1	1DUHAT	Ever Fortune Thermoplas Corporation
1DUHAT_T1L1	1DUHAT	Everest Plastic Containers Industry, Inc.
1DUHAT_T1L1	1DUHAT	Flexible Packaging Products Corporation
1DUHAT_T1L1	1DUHAT	Glasstemp Industries Corporation
1DUHAT_T1L1	1DUHAT	Indo Phil Textile Mills, Inc
1DUHAT_T1L1	1DUHAT	Moldex Products, Inc.
1DUHAT_T1L1	1DUHAT	Plastech Industrial Corporation
1DUHAT_T1L1	1DUHAT	Steelasia Manufacturing Corporation
1DUHAT_T1L1	1DUHAT	Supercast Foundry & Machinery Corporation
1DUHAT_T1L1	1DUHAT	Supreme Steel Pipe Corporation
1DUHAT_T1L1	1DUHAT	Styrotech Corporation
1DUHAT_T1L1	1DUHAT	Alphatech Development Corporation
1DUHAT_T1L1	1DUHAT	Ajinomoto Philippines Flavor Food Inc.
1DUHAT_T1L1	1DUHAT	Evergreen Enviromental Resources, Inc.
1DUHAT_T1L1	1DUHAT	Hi-Grade Feeds Corporation
1DUHAT_T1L1	1DUHAT	Multirich Foods Corporation
1DUHAT_T1L1	1DUHAT	Mighty Corporation
1DUHAT_T1L1	1DUHAT	Philippine Batteries Inc.
1DUHAT_T1L1	1DUHAT	Poultrymax Integra, Inc.
1DUHAT_T1L1	1DUHAT	Philpackaging Corporation
1DUHAT_T1L1	1DUHAT	Pascual Laboratories, Inc.
1DUHAT_T1L1	1DUHAT	Royale Cold Storage North, Inc.
1DUHAT_T1L1	1DUHAT	Seelastatic Manufacturing Inc.
1DUHAT_T1L1	1DUHAT	SM Prime Holdings, Inc. (San Jose del Monte)
1DUHAT_T1L1	1DUHAT	SM Prime Holdings, Inc. – Marilao
1DUHAT_T1L1	1DUHAT	Sunworld Industrial Group Corporation
1DUHAT_T1L1	1DUHAT	Unibag Polysack Corporation
1DUHAT_T1L1	1DUHAT	Winsome Development Corporation
1DUHAT_T1L1	1DUHAT	3-J Plasticworld & Manufacturing Corporation
1DUHAT_T1L1	1DUHAT	Aqua Platinum Partner Feeds Corp.

Resource Name	Station	Customer Full Name
1DUHAT_T1L1	1DUHAT	Big "E" Food Corporation
1DUHAT_T1L1	1DUHAT	BOUNTY FRESH FOOD INC.
1DUHAT_T1L1	1DUHAT	Bestpak Mfg. Ent. Inc.
1DUHAT_T1L1	1DUHAT	Best Print Textile Finishing Corporation
1DUHAT_T1L1	1DUHAT	Clear Plas Packaging Corp.
1DUHAT_T1L1	1DUHAT	Crown Asia Chemicals Corporation
1DUHAT_T1L1	1DUHAT	DOWI HOSIERY MILLS
1DUHAT_T1L1	1DUHAT	Fortune Alliance Plasticware Corporation
1DUHAT_T1L1	1DUHAT	Flexo Manufacturing, Corp.
1DUHAT_T1L1	1DUHAT	Hightension Industrial Corporation
1DUHAT_T1L1	1DUHAT	Hi-Tech Steel Industries Corporation
1DUHAT_T1L1	1DUHAT	Jocelyn Forge, Inc.
1DUHAT_T1L1	1DUHAT	Luzon Clean Water Development Corporation
1DUHAT_T1L1	1DUHAT	La Primera Pollo, Inc.
1DUHAT_T1L1	1DUHAT	May Harvest Corporation
1DUHAT_T1L1	1DUHAT	Macro Shun Steel Corporation
1DUHAT_T1L1	1DUHAT	Northpoint, Inc.
1DUHAT_T1L1	1DUHAT	Nutri-Asia Inc. (Marilao Plant)
1DUHAT_T1L1	1DUHAT	PHIL. KOKTAI METAL INC.
1DUHAT_T1L1	1DUHAT	Polytrade Sales & Services, Inc.
1DUHAT_T1L1	1DUHAT	QC Styropackaging Corporation
1DUHAT_T1L1	1DUHAT	Q.C. STYROPACKAGING CORPORATION
1DUHAT_T1L1	1DUHAT	South East Feeds Specialist Corp.
1DUHAT_T1L1	1DUHAT	SIDEL INDUSTRIAL PACKAGING CORPORATION
1DUHAT_T1L1	1DUHAT	Sunjin Philippines Corporation
1DUHAT_T1L1	1DUHAT	STC Vigour Packaging Philippines Inc
1DUHAT_T1L1	1DUHAT	Tri-Pack Phils. Corp.
1DUHAT_T1L1	1DUHAT	THICK & THIN AGRI PROD, INC.
1DUHAT_T1L1	1DUHAT	Unahco Inc.
1DUHAT_T1L1	1DUHAT	Vifel Ice Plant and Cold Storage, Inc.
1DUHAT_T1L1	1DUHAT	Vitson International, Inc.
1EHVSJ_SS	1EHVSJOS	National Grid Corporation of the Philippines
1EHVSM_SS	1EHVNAGSAAG	National Grid Corporation of the Philippines
1GAMU_SS	1GAMU	National Grid Corporation of the Philippines
1GAMU_T1L1	1GAMU	Isabela I Electric Cooperative, Inc.
1GAMU_T1L1	1GAMU	Isabela II Electric Cooperative, Inc.
1GAMU_T1L1	1GAMU	Mindanao Grain Processing Co., Inc.
1GAMU_T1L1	1GAMU	North Luzon Triton Mall, Inc.
1GAMU_T1L1	1GAMU	Green Future Innovations, Inc.
1GAMU_T1L1	1GAMU	National Grid Corporation of the Philippines
1GAMU_T1L2	1GAMU	Cagayan Biomass Energy Corporation
1GAMU_T1L2	1GAMU	Isabela II Electric Cooperative, Inc.
1GAMU_T1L2	1GAMU	National Irrigation Administration
1GNPD_SS	1MARIVELES	GNPower Dinginin Ltd. Co.
1HANJI_T1L1	1CAWAGO	HHIC - Phil., Inc (Hanjin Heavy Industries Corporation)
1HANJI_T2L1	1CAWAGO	HHIC - Phil., Inc (Hanjin Heavy Industries Corporation)

Resource Name	Station	Customer Full Name
1HERMO_SS	1HERMOSA	National Grid Corporation of the Philippines
1HERMO_T1L1	1HERMOSA	Peninsula Electric Cooperative, Inc.
1HERMO_T1L1	1HERMOSA	BOUNTY FRESH FOOD INC (Hermosa, Bataan)
1HERMO_T1L2	1HERMOSA	Cleangreen Energy Corporation
1HERMO_T1L2	1HERMOSA	Bataan 2020 Power Ventures, Inc.
1HERMO_T1L2	1HERMOSA	Peninsula Electric Cooperative, Inc.
1HERMO_T1L2	1HERMOSA	Bataan 2020, Inc.
1HERMO_T1L3	1HERMOSA	Peninsula Electric Cooperative, Inc.
1HERMO_T1L3	1HERMOSA	YH Green Energy, Incorporated
1HERMO_T1L3	1HERMOSA	Sumi Philippines Wiring Systems Corporation (WCD)
1HERMO_T1L3	1HERMOSA	Sumi Philippines Wiring Systems Corporation (Plant 1)
1HERMO_T1L4	1HERMOSA	Pampanga II Electric Cooperative, Inc.
1HERMO_T1L4	1HERMOSA	San Fernando Electric Light & Power Company, Inc.
1HERMO_T1L4	1HERMOSA	Mekeni Food Corporation
1KDAM_SS	1KDAM500	National Grid Corporation of the Philippines
1LAOAG_SS	1LAOAG	National Grid Corporation of the Philippines
1LAOAG_T1L2	1LAOAG	Ilocos Norte Electric Cooperative, Inc.
1LAOAG_T1L2	1LAOAG	VVH Realty Corporation
1LAOAG_T1L2	1LAOAG	Coca-Cola FEMSA Philippines, Inc. – Ilocos
1LAOAG_T1L2	1LAOAG	Fort Ilocandia Propoerty Holdings and Development Corporation
1LAOAG_T1L2	1LAOAG	Venvi Agro Industrial Ventures Corporation
1LAOAG_T2L2	1LAOAG	Ilocos Norte Electric Cooperative, Inc.
1LAT_PHILEX	1LATRINI	Texas Instrument (Philippines), Inc. - Baguio
1LAT_PHILEX	1LATRINI	Benguet Corporation
1LAT_PHILEX	1LATRINI	Benguet Electric Cooperative, Inc.
1LAT_PHILEX	1LATRINI	Itogon-Suyoc Resources, Inc.
1LAT_PHILEX	1LATRINI	National Grid Corporation of the Philippines
1LAT_PHILEX	1LATRINI	National Irrigation Administration
1LAT_PHILEX	1LATRINI	Philex Mining Corporation
1LAT_PHILEX	1LATRINI	HEDCOR, Inc.
1LATRI_SS	1LATRINI	National Grid Corporation of the Philippines
1LATRI_T1L1	1LATRINI	Benguet Electric Cooperative, Inc.
1LATRI_T2L1	1LATRINI	Benguet Electric Cooperative, Inc.
1LATRI_T2L1	1LATRINI	HEDCOR, Inc.
1LATRI_T2L1	1LATRINI	Hedcor Sabangan, Inc.
1LATRI_T2L1	1LATRINI	Lepanto Consolidated Mining Company
1LATRI_T2L1	1LATRINI	Mountain Province Electric Cooperative, Inc.
1LATRI_T2L2	1LATRINI	National Grid Corporation of the Philippines
1LATRI_T2L2	1LATRINI	Philippine Economic Zone Authority
1LATRI_T2L2	1LATRINI	Texas Instrument (Philippines), Inc. - Baguio
1LATRI_T2L3	1LATRINI	HEDCOR, Inc.
1LATRI_T2L3	1LATRINI	Benguet Electric Cooperative, Inc.
1LBR_CNPELC	1LBRADOR	Central Pangasinan Electric Cooperative, Inc.
1LBR_CNPELC	1LBRADOR	San Carlos Town Center
1LBR_DECORP	1LBRADOR	Dagupan Electric Corporation
1LBR_PNELC1	1LBRADOR	Central Pangasinan Electric Cooperative, Inc.

Resource Name	Station	Customer Full Name
1LBR_PNELC1	1LBRADOR	Pangasinan I Electric Cooperative, Inc.
1LBRDR_SS	1LBRADOR	National Grid Corporation of the Philippines
1LIMAY_SS	1BCCPP	Petron Corporation
1LIMAY_SS	1BCCPP	Panasia Energy, Inc.
1MAEC_S01	1CURIMAO	Mirae Asia Energy Corporation
1MAGAT_SS	1MAGAT	SN Aboitiz Power - Magat, Inc.
1MALOL_T1L1	1MALOLOS	Manila Electric Company
1MALOL_T1L1	1MALOLOS	Fisher Farms, Inc.
1MALOL_T1L1	1MALOLOS	Feedmix Specialist, Inc. II
1MALOL_T1L1	1MALOLOS	Foster Foods, Inc.
1MALOL_T1L1	1MALOLOS	Hoc Po Feeds Corporation
1MALOL_T1L1	1MALOLOS	New Hope Bulacan Agriculture Inc.
1MALOL_T1L1	1MALOLOS	Philippine Spring Water Resources
1MALOL_T1L1	1MALOLOS	Rombe Philippines, Inc.
1MALOL_T1L1	1MALOLOS	SANTEH Feeds Corporation
1MALOL_T1L1	1MALOLOS	Bounty Fresh Food, Inc. - Malolos
1MALOL_T1L1	1MALOLOS	Cagayan Corn Products Corporation
1MALOL_T1L1	1MALOLOS	Cargill Philippines, Inc.
1MALOL_T1L1	1MALOLOS	Northstar World Steel Corporation
1MALOL_T1L1	1MALOLOS	Robinsons Land Corporation
1MALOL_T1L1	1MALOLOS	SM Prime Holdings Inc. (SM Baliwag)
1MALOL_T1L1	1MALOLOS	FRONERI PHILIPPINES INC.
1MALOL_T1L1	1MALOLOS	Inter-Global Group Development Corporation
1MALOL_T1L1	1MALOLOS	Masterpiece Asia Properties, Inc. (Vista Mall Malolos)
1MALOL_T1L1	1MALOLOS	PRIMA PLASTIC MFG. CORPORATION
1MALOL_T1L1	1MALOLOS	Premium Feeds Corporation
1MALOL_T1L1	1MALOLOS	Sucere Foods Corporation
1MALOL_T1L1	1MALOLOS	SM Prime Holdings, Inc. (SM Center Pulilan)
1MALOL_T1L1	1MALOLOS	TWIN OAKS FOODS CORPORATION
1MEX_CISP	1MEXICO	Centerra Ice Plant & Cold Storage, Inc.
1MEX_CISP	1MEXICO	Currimaos Aluminum Corporation
1MEX_CISP	1MEXICO	Formosa Ceramic Tiles Manufacturing Corp.
1MEX_CISP	1MEXICO	Linde Philippines Inc.
1MEX_CISP	1MEXICO	Melters Steel Corporation
1MEX_CISP	1MEXICO	Real Steel Corporation
1MEX_CISP	1MEXICO	SKK Steel Corporation
1MEX_CISP	1MEXICO	Wan Chiong Steel Corporation
1MEX_CLARK1	1MEXICO	Angeles Electric Corporation
1MEX_CLARK1	1MEXICO	Clark Electric Distribution Corporation
1MEX_CLARK1	1MEXICO	Pampanga I Electric Cooperative, Inc.
1MEX_CLARK1	1MEXICO	Pampanga Rural Electric Service Cooperative, Inc.
1MEX_CLARK1	1MEXICO	Quanta Paper Corporation
1MEX_CLARK1	1MEXICO	Asia Pacific Energy Corporation
1MEX_CLARK1	1MEXICO	Global Gateway Development Corporation (TMC)
1MEX_CLARK1	1MEXICO	Global Gateway Development Corporation
1MEX_CLARK1	1MEXICO	HLD Clark Steel Pipe Co., Inc.

Resource Name	Station	Customer Full Name
1MEX_CLARK1	1MEXICO	La Rose Noire Phils. Inc.
1MEX_CLARK1	1MEXICO	Nanox Philippines, Inc.
1MEX_CLARK1	1MEXICO	Premier Central (SM Clark BPO)
1MEX_CLARK1	1MEXICO	Premier Central Inc. (SM Clark Expansion)
1MEX_CLARK1	1MEXICO	Premier Central Inc. (SM Clark Main)
1MEX_CLARK2	1MEXICO	Anda Power Corporation
1MEX_CLARK2	1MEXICO	Clark Electric Distribution Corporation
1MEX_CLARK2	1MEXICO	Pampanga II Electric Cooperative, Inc.
1MEX_CND	1MEXICO	San Fernando Electric Light & Power Company, Inc.
1MEX_CND	1MEXICO	Communities Pampanga, Inc. (Vista Mall)
1MEX_CND	1MEXICO	Robinsons Land Corporation - Starmills
1MEX_CND	1MEXICO	SM Prime Holdings, Inc. (Pampanga)
1MEX_CND	1MEXICO	SM Prime Holdings, Inc. (San Fernando)
1MEX_CND	1MEXICO	Ventorillo Management Corporation
1MEX_CND	1MEXICO	Willimson, Inc. – Waltermart
1MEX_L01	1MEXICO	Angeles Electric Corporation
1MEX_L01	1MEXICO	Altus Angeles, Inc.
1MEX_L01	1MEXICO	Kodec Precision, Inc.
1MEX_L01	1MEXICO	Metro Retail Stores Group, Inc.
1MEX_MIC	1MEXICO	Altima Empire Steel Corporation
1MEX_MIC	1MEXICO	Melters Steel Corporation
1MEX_MIC	1MEXICO	Real Steel Corporation
1MEX_PELCO1	1MEXICO	Pampanga I Electric Cooperative, Inc.
1MEX_PELCO1	1MEXICO	Polytrade Sales & Services, Inc.
1MEX_PELCO1	1MEXICO	SM Prime Holdings, Inc. (SM Pampanga (Meter 1))
1MEX_PIMP	1MEXICO	INGASCO, Inc.
1MEX_PIMP	1MEXICO	Linde Philippines Inc.
1MEX_PIMP	1MEXICO	Pampanga III Electric Cooperative, Inc.
1MEX_PIMP	1MEXICO	United Pulp and Paper Company, Inc.
1MEX_PIMP	1MEXICO	New Hope Central Luzon Agriculture Inc.
1MEX_SFLAPC	1MEXICO	San Fernando Electric Light & Power Company, Inc.
1MEX_SFLAPC	1MEXICO	San Miguel Brewery, Inc.
1MEX_SFLAPC	1MEXICO	Coca-Cola FEMSA Philippines, Inc. – Pampanga
1MEX_SFLAPC	1MEXICO	Interbev Philippines Incorporated
1MEX_SFLAPC	1MEXICO	Mega Asia Bottling Corporation
1MEX_SFLAPC	1MEXICO	Pampanga's Best, Inc.
1MEX_SFLAPC	1MEXICO	Pepsi Cola Products Philippines, Inc.
1MEX_SFLAPC	1MEXICO	San Miguel Yamamura Packaging Corporation
1MEX_SFLAPC	1MEXICO	SM Prime Holdings, Inc. (SM City Telabastagan)
1MEX_SFLAPC	1MEXICO	Sarimanok
1MEX_SFLAPC	1MEXICO	Universal Robina Corporation (Bakery)
1MEX_SFLAPC	1MEXICO	Universal Robina Corporation (Plant A)
1MEX_SFLAPC	1MEXICO	Universal Robina Corporation (C2)
1MEX_SKK	1MEXICO	SKK Steel Corporation
1MEX_SKK	1MEXICO	Wan Chiong Steel Corporation
1MEXICO_SS	1MEXICO	National Grid Corporation of the Philippines

Resource Name	Station	Customer Full Name
1MSINLO_SS	1MSINLOC	Masinloc Power Partners Co. Ltd.
1NSNMN_L02	1NAGSAAG	Central Pangasinan Electric Cooperative, Inc.
1NSNMN_L02	1NAGSAAG	Pangasinan III Electric Cooperative, Inc.
1NSNMN_L02	1NAGSAAG	Conserbest Ice Manufacturing, Inc.
1NSNMN_L02	1NAGSAAG	Cargill Philippines
1NSNMN_L02	1NAGSAAG	SM Prime Holdings, Inc. (SM City Rosales)
1NSNMN_T1L1	1NAGSAAG	Northern Cement Corporation
1NWIND_L01	1LAOAG	Ilocos Norte Electric Cooperative, Inc.
1NWIND_L01	1LAOAG	Northwind Power Development Corporation
1OLONG_SS	1OLONGAP	National Grid Corporation of the Philippines
1OLONG_T1L1	1OLONGAP	Zambales II Electric Cooperative, Inc.
1OLONG_T1L1	1OLONGAP	Consort Land, Inc.
1OLONG_T2L2	1OLONGAP	Olongapo Electricity Distribution Company, Inc.
1OLONG_T2L2	1OLONGAP	SM Prime Holdings, Inc. (Olongapo)
1OLONG_T3L3	1OLONGAP	Subic Enerzone Corporation
1PAGUD_SS	1PAGUDPUD	North Luzon Renewable Energy Corporation
1PNTBNG_SS	1PANTABA	First Gen Hydro Power Corporation
1S_ENRO_SS	1SUBIC	One Subic Power Generation Corporation
1S_ENRO_SS	1SUBIC	Jobin –SQM Inc.
1SE_ABRECO	1SNESTBN	Abra Electric Cooperative, Inc.
1SMC_SS	1LAMAQ	SMC Consolidated Power Corporation
1SMC_SS2	1LAMAQ	SMC Consolidated Power Corporation
1SMC_SS3	1LAMAQ	SMC Consolidated Power Corporation
1SMC_SS4	1LAMAQ	SMC Consolidated Power Corporation
1SNEST_SS	1SNESTBN	National Grid Corporation of the Philippines
1SNEST_T3L1	1SNESTBN	Ilocos Sur Electric Cooperative, Inc.
1SNEST_T3L2	1SNESTBN	Ilocos Sur Electric Cooperative, Inc.
1SNJOS_CAM	1SNJOSE	Manila Electric Company
1SNJOS_T1L1	1ANGSJO_TP2	Republic Cement & Building Materials, Inc. (Norzagaray)
1SNJOS_T1L2	1SNJOSE	Manila Electric Company
1SNJOS_T1L2	1SNJOSE	Masterpiece Asia Properties, Inc. (Starmall San Jose del Monte)
1SNJOS_T1L3	1ANGSJO_TP3	Holcim Philippines, Inc.
1SNJOS_T1L3	1ANGSJO_TP3	Republic Cement & Building Materials, Inc. (Bulacan)
1SNJOSE_L01	1SNJOSE	Manila Electric Company
1SNJOSE_SS	1SNJOSE	National Grid Corporation of the Philippines
1SNM_PNELC3	1SNMANUEL	National Grid Corporation of the Philippines
1SNM_PNELC3	1SNMANUEL	Central Pangasinan Electric Cooperative, Inc.
1SNM_PNELC3	1SNMANUEL	Dagupan Electric Corporation
1SNM_PNELC3	1SNMANUEL	Pangasinan III Electric Cooperative, Inc.
1SNM_PNELC3	1SNMANUEL	CB Mall
1SNM_PNELC3	1SNMANUEL	Magic Mall
1SNM_PNELC3	1SNMANUEL	MAYOR RAMON GUICO JR. POULTRY FARM
1SNMAN_SS	1SNMANUEL	National Grid Corporation of the Philippines
1SNTGO_SS	1SNTGO	National Grid Corporation of the Philippines
1SNTGO_T1L1	1SNTGO	Isabela I Electric Cooperative, Inc.
1SNTGO_T1L2	1SNTGO	Isabela I Electric Cooperative, Inc.

Resource Name	Station	Customer Full Name
1SNTGO_T1L2	1SNTGO	National Irrigation Administration
1SNTGO_T1L2	1SNTGO	Isabela Biomass Energy Corporation
1SNTGO_T1L2	1SNTGO	SM Prime Holdings, Inc. (SM City Cauayan)
1SNTGO_T1L3	1SNTGO	Isabela I Electric Cooperative, Inc.
1SNTGO_T1L3	1SNTGO	Quirino Electric Cooperative, Inc.
1SNTGO_T1L3	1SNTGO	Robinsons Land Corporation - Santiago
1SNTGO_T2L1	1SNTGO	Isabela I Electric Cooperative, Inc.
1SNTGO_T2L2	1SNTGO	SN Aboitiz Power - Magat, Inc.
1SNTGO_T2L2	1SNTGO	Ifugao Electric Cooperative, Inc.
1SNTGO_T2L2	1SNTGO	Isabela I Electric Cooperative, Inc.
1SNTGO_T2L2	1SNTGO	National Irrigation Administration
1SNTGO_T2L2	1SNTGO	Jimmy Pua Enterprises Inc.
1SROQUE_SS	1SNROQUE	Strategic Power Development Corporation
1SUAL_T3L1	1SUAL	Sual Coal Fired Thermal Power Plant
1SUBIC_T3L1	1SUBIC	Subic Enerzone Corporation
1SUBIC_T3L1	1SUBIC	Subic Drydock Corporation
1SUBIC_T3L1	1SUBIC	Fertuna Holdings Corporation (Harbor Point Mall - Subic Bay Freeport Zone)
1SUBIC_T3L1	1SUBIC	Hanjin Heavy Industries, Inc.
1SUBIC_T3L1	1SUBIC	Hitachi Terminals Mechatronics Philippines Corporation
1SUBIC_T3L1	1SUBIC	Johnson Controls-Hitachi Air Conditioning Philippines, Inc.
1SUBIC_T3L1	1SUBIC	Juken Sango (Phils.) Corporation
1SUBIC_T3L1	1SUBIC	Koryo Subic, Incorporated
1SUBIC_T3L1	1SUBIC	Mabuhay Interflour Mill Inc.
1SUBIC_T3L1	1SUBIC	NICERA PHILS., INC.
1SUBIC_T3L1	1SUBIC	Nidec Subic Philippines Corporation
1SUBIC_T3L1	1SUBIC	Royal Duty Free Shops, Inc.
1SUBIC_T3L1	1SUBIC	Subic Bay Town Center, Inc.
1SUBIC_T3L1	1SUBIC	Sanyo Denki Philippines, Inc.
1SUBIC_T3L1	1SUBIC	Tailin Abrasives Corporation
1SUBIC_T3L1	1SUBIC	Tong Lung Metal
1SUBIC_T3L1	1SUBIC	Wistron Infocomm Phils. Corporation
1T_ASI_T3L1	1T_ASIA	Holcim Philippines, Inc.
1T_ASI_T3L1	1T_ASIA	PHINMA Power Generation Corporation
1TG_CGELCO2	1TGEARAO	Cagayan I Electric Cooperative, Inc.
1TG_CGELCO2	1TGEARAO	Kalinga-Apayao Electric Cooperative, Inc.
1TG_CGELCO2	1TGEARAO	National Irrigation Administration
1TG_CGELCO2	1TGEARAO	ROBINSONS LAND CORPORATION TUGUEGARAO
1TG_CGELCO2	1TGEARAO	SM Prime Holdings, Inc. (SM Center Tuguegarao Downtown)
1TG_ISELCO2	1TGEARAO	Isabela II Electric Cooperative, Inc.
1TGEA_SS	1TGEARAO	National Grid Corporation of the Philippines
1TGEA_T1L1	1TGEARAO	Cagayan I Electric Cooperative, Inc.
1TGEA_T1L1	1TGEARAO	Cagayan II Electric Cooperative, Inc.
1TGEA_T1L1	1TGEARAO	National Irrigation Administration
1TGEA_T1L1	1TGEARAO	SUCCEED ASIA VENTURES, INC.
2ARANE_T1L1	2DONAIMELDA	Manila Electric Company
2ARANE_T1L1	2DONAIMELDA	ABS-CBN Corporation

Resource Name	Station	Customer Full Name
2ARANE_T1L1	2DONAIMELDA	Ayala Land, Inc. (Ayala Malls Vertis North)
2ARANE_T1L1	2DONAIMELDA	Araneta Center, Inc.
2ARANE_T1L1	2DONAIMELDA	Araneta Hotels, Inc.
2ARANE_T1L1	2DONAIMELDA	Empire East Land Holdings Inc.
2ARANE_T1L1	2DONAIMELDA	ePLDT, Incorporated
2ARANE_T1L1	2DONAIMELDA	EDSA Shangri-La Hotel & Resort, Inc.
2ARANE_T1L1	2DONAIMELDA	Goldilocks Bakeshop, Inc.
2ARANE_T1L1	2DONAIMELDA	Greenfield Development Corporation
2ARANE_T1L1	2DONAIMELDA	La Salle - Greenhills, Inc.
2ARANE_T1L1	2DONAIMELDA	Megaworld-Daewoo Corporation (Olympic Heights Bldg.)
2ARANE_T1L1	2DONAIMELDA	Megaworld Corporation (Technoplane 1)
2ARANE_T1L1	2DONAIMELDA	Megaworld Corporation (Eastwood Mall)
2ARANE_T1L1	2DONAIMELDA	Manuela Corporation
2ARANE_T1L1	2DONAIMELDA	Morning Star Milling Corporation
2ARANE_T1L1	2DONAIMELDA	Manila Water Company, Inc.
2ARANE_T1L1	2DONAIMELDA	Ortigas & Company Limited Partnership (Greenhills)
2ARANE_T1L1	2DONAIMELDA	Ortigas & Company Limited Partnership (Oranbo)
2ARANE_T1L1	2DONAIMELDA	Ortigas & Company Limited Partnership (Ugong)
2ARANE_T1L1	2DONAIMELDA	Paragon Plaza Project
2ARANE_T1L1	2DONAIMELDA	R & B Ice Plant, Inc.
2ARANE_T1L1	2DONAIMELDA	Robinsons Land Corporation
2ARANE_T1L1	2DONAIMELDA	Rockwell Land Corporation
2ARANE_T1L1	2DONAIMELDA	Rockwell Land Corporation (Edades Tower and Garden Villas)
2ARANE_T1L1	2DONAIMELDA	St. Lukes Medical Center, Inc.
2ARANE_T1L1	2DONAIMELDA	San Miguel Corporation
2ARANE_T1L1	2DONAIMELDA	Smart Communications, Inc.
2ARANE_T1L1	2DONAIMELDA	San Miguel Properties Centre Condominium Corporation (Mandaluyong)
2ARANE_T1L1	2DONAIMELDA	TV5 Network, Inc. (formerly known as ABC Development Corporation)
2ARANE_T1L1	2DONAIMELDA	Universal Robina Corp. - CMC
2ARANE_T1L1	2DONAIMELDA	United Laboratories Inc.
2ARANE_T1L1	2DONAIMELDA	Unionbank Plaza Condominium Association, Inc.
2ARANE_T1L1	2DONAIMELDA	Wellington Investment & Manufacturing Corporation
2ARANE_T1L1	2DONAIMELDA	Cosco Prime Holdings, Inc.
2ARANE_T1L1	2DONAIMELDA	Citysuper Incorporated
2ARANE_T1L1	2DONAIMELDA	ETON Properties Philippines, Inc. - Cyberpod Corinthian
2ARANE_T1L1	2DONAIMELDA	ETON Properties Philippines, Inc. - Bpo 3
2ARANE_T1L1	2DONAIMELDA	Eton Properties Philippines Inc. - BPO 1
2ARANE_T1L1	2DONAIMELDA	GMA Network, Inc.
2ARANE_T1L1	2DONAIMELDA	Lica Management, Inc.
2ARANE_T1L1	2DONAIMELDA	Mallers Investment Corporation
2ARANE_T1L1	2DONAIMELDA	Macro Funders and Development Corporation
2ARANE_T1L1	2DONAIMELDA	National Book Store, Inc.
2ARANE_T1L1	2DONAIMELDA	Peaksun Enterprises & Export Corporation
2ARANE_T1L1	2DONAIMELDA	SM Prime Holdings, Inc. (Sta. Mesa)
2ARANE_T1L1	2DONAIMELDA	Summit One Condominium Corporation

Resource Name	Station	Customer Full Name
2ARANE_T1L1	2DONAIMELDA	Araneta Center, Inc. Cyberpark 1
2ARANE_T1L1	2DONAIMELDA	Araneta Center, Inc. Gen. Mc Arthur
2ARANE_T1L1	2DONAIMELDA	Christ's Commission Foundation, Inc.
2ARANE_T1L1	2DONAIMELDA	Citystate Centre Condo., Corporation
2ARANE_T1L1	2DONAIMELDA	Green Asia Resources Corp.
2ARANE_T1L1	2DONAIMELDA	Rustan's Supercenters, Inc. (Cubao, Quezon City)
2ARANE_T1L1	2DONAIMELDA	SM Prime Holdings, Inc. (Pasig)
2ARANE_T1L1	2DONAIMELDA	Universal Corn Products, Inc.
2ARANE_T1L1	2DONAIMELDA	Universal Robina Corporation
2ARANE_T1L1	2DONAIMELDA	N-Plaza BGC Properties, Inc.
2ARANE_T1L1	2DONAIMELDA	One Union Square Holdings, Inc.
2ARANE_T1L1	2DONAIMELDA	Bonifacio Landmark Realty and Development Corporation - Araneta
2ARANE_T1L1	2DONAIMELDA	Bank of the Philippine Islands
2ARANE_T1L1	2DONAIMELDA	Century City Development Corporation
2ARANE_T1L1	2DONAIMELDA	Centerpoint Condominium
2ARANE_T1L1	2DONAIMELDA	Empire East Land Holdings, Inc.
2ARANE_T1L1	2DONAIMELDA	Eastern Telecommunications
2ARANE_T1L1	2DONAIMELDA	E.V. Edgemont Development Corporation
2ARANE_T1L1	2DONAIMELDA	Fort Bonifacio Development Corp.
2ARANE_T1L1	2DONAIMELDA	Fort Bonifacio Development Corporation
2ARANE_T1L1	2DONAIMELDA	Fabella Realty Corporation
2ARANE_T1L1	2DONAIMELDA	Joya Loft and Towers Condominium Corporation
2ARANE_T1L1	2DONAIMELDA	The JMT Condominium Corporation
2ARANE_T1L1	2DONAIMELDA	JP Properties & Ventures Corporation
2ARANE_T1L1	2DONAIMELDA	Kareila Management Corporation
2ARANE_T1L1	2DONAIMELDA	Liberty Flour Mills, Inc.
2ARANE_T1L1	2DONAIMELDA	Norberto Dela Merced & Son, Inc.
2ARANE_T1L1	2DONAIMELDA	One Rockwell Condominium Corp.
2ARANE_T1L1	2DONAIMELDA	Pioneer Highlands South Condominium Corporation
2ARANE_T1L1	2DONAIMELDA	Pioneer Highlands North Condominium Corporation
2ARANE_T1L1	2DONAIMELDA	Philippine Long Distance Tel Co.
2ARANE_T1L1	2DONAIMELDA	Printwell, Inc.
2ARANE_T1L1	2DONAIMELDA	Prestige Tower Condominium
2ARANE_T1L1	2DONAIMELDA	Phil Stock Exch Ctr Condo Corporation
2ARANE_T1L1	2DONAIMELDA	RFM Corporation
2ARANE_T1L1	2DONAIMELDA	Samson Enterprises Inc.
2ARANE_T1L1	2DONAIMELDA	Shang Properties Realty Corporation
2ARANE_T1L1	2DONAIMELDA	Shangri-la Properties, Inc.
2ARANE_T1L1	2DONAIMELDA	Trafalgar Plaza Condominium Corporation
2ARANE_T1L1	2DONAIMELDA	Vita Realty Corporation
2ARANE_T1L1	2DONAIMELDA	WJ Global, Inc.
2ARANE_T1L1	2DONAIMELDA	ACI, Inc. (Cyberpark 2)
2ARANE_T1L1	2DONAIMELDA	Banco De Oro Unibank, Inc. (North Tower)
2ARANE_T1L1	2DONAIMELDA	Bonifacio Landmark Realty and Development Corp.
2ARANE_T1L1	2DONAIMELDA	Eton Properties Philippines, Inc. (Centris Walk)
2ARANE_T1L1	2DONAIMELDA	Fort Bonifacio Development Corporation (Bonifacio

Resource Name	Station	Customer Full Name
		Technology Center Facility)
2ARANE_T1L1	2DONAIMELDA	Flair Towers Condominium Corporation
2ARANE_T1L1	2DONAIMELDA	Globe Telecom, Inc. – Globe San Juan
2ARANE_T1L1	2DONAIMELDA	Globe Telecom, Inc. – Globe Aurora
2ARANE_T1L1	2DONAIMELDA	Megaworld Corporation (Richmonde Eastwood)
2ARANE_T1L1	2DONAIMELDA	New Farmers Plaza Inc.
2ARANE_T1L1	2DONAIMELDA	Penpro, Inc.
2ARANE_T1L1	2DONAIMELDA	Panorama Development Corporation
2ARANE_T1L1	2DONAIMELDA	PACIFIC STAR BUILDING CONDOMINIUM CORPORATION
2ARANE_T1L1	2DONAIMELDA	Retailscapes Inc. (Santolan Town Plaza)
2ARANE_T1L1	2DONAIMELDA	ST. LUKE'S MEDICAL CENTER, INC.
2ARANE_T1L1	2DONAIMELDA	SM Development Corporation
2ARANE_T1L1	2DONAIMELDA	UNIMART, INCORPORATED – (Unimart Greenhills)
2ARANE_T1L1	2DONAIMELDA	Worldhotel Makati, Inc.
2ARANE_T1L1	2DONAIMELDA	Bonifacio Landmark Realty and Development Corporation - Sucat
2BALNT_T1L1	2QUEZON	Manila Electric Company
2BALNT_T1L1	2QUEZON	Ayala Land, Inc. (Ayala Malls Vertis North)
2BALNT_T1L1	2QUEZON	Ayala Land Metro North, Inc.
2BALNT_T1L1	2QUEZON	Bataan 2020, Inc.
2BALNT_T1L1	2QUEZON	Container Corporation of the Philippines
2BALNT_T1L1	2QUEZON	Capitol Steel Corporation
2BALNT_T1L1	2QUEZON	Ellimac Prime Holdings, Inc.
2BALNT_T1L1	2QUEZON	Guru Property Development & Management Corporation
2BALNT_T1L1	2QUEZON	Manila Water Company, Inc.
2BALNT_T1L1	2QUEZON	Manila Water Company, Inc. (East La Mesa Facility)
2BALNT_T1L1	2QUEZON	Maynilad Water Services, Inc.
2BALNT_T1L1	2QUEZON	North Triangle Depot Commercial Corporation
2BALNT_T1L1	2QUEZON	Philippine Long Distance Telephone Company
2BALNT_T1L1	2QUEZON	SM Prime Holdings, Inc. (SM North EDSA City Center)
2BALNT_T1L1	2QUEZON	SM Prime Holdings, Inc. - Cyber West
2BALNT_T1L1	2QUEZON	SM Prime Holdings, Inc. (SM North EDSA Annex)
2BALNT_T1L1	2QUEZON	UP North Property Holdings, Inc.
2BALNT_T1L1	2QUEZON	Welding Industries of the Philippines, Incorporated
2BALNT_T1L1	2QUEZON	Winsome Development Corporation
2BALNT_T1L1	2QUEZON	Watchtower Bible & Tract, Inc.
2BALNT_T1L1	2QUEZON	Atlas Metal Products Mfg. Co., Inc.
2BALNT_T1L1	2QUEZON	Bayan Telecommunications, Inc. (formerly Intl. Communications, Inc.)
2BALNT_T1L1	2QUEZON	Basic Packaging Corporation
2BALNT_T1L1	2QUEZON	CALYPSO PLASTIC CENTER
2BALNT_T1L1	2QUEZON	Chain Glass Enterprises, Inc.
2BALNT_T1L1	2QUEZON	Chua Tee & Company, Inc.
2BALNT_T1L1	2QUEZON	Cofta Mouldings Corporation
2BALNT_T1L1	2QUEZON	Cathay Pacific Steel Corporation
2BALNT_T1L1	2QUEZON	Continental Steel Mfg. Corp.
2BALNT_T1L1	2QUEZON	Cathay Metal Corporation

Resource Name	Station	Customer Full Name
2BALNT_T1L1	2QUEZON	Cygnus Industries, Inc.
2BALNT_T1L1	2QUEZON	Dragon Asia Rolling Mill, Inc.
2BALNT_T1L1	2QUEZON	Englehart Manufacturing Corporation
2BALNT_T1L1	2QUEZON	Foodsphere Incorporated
2BALNT_T1L1	2QUEZON	Filspin Incorporated
2BALNT_T1L1	2QUEZON	Filipino Metals Corporation
2BALNT_T1L1	2QUEZON	Fortune Net & Twine Manufacturing Corporation
2BALNT_T1L1	2QUEZON	Gilvan Packaging Corporation
2BALNT_T1L1	2QUEZON	Liberty Paper, Inc.
2BALNT_T1L1	2QUEZON	Leo Tire Manufacturing Corporation
2BALNT_T1L1	2QUEZON	Mayer Steel Corporation (formerly MKK Steel Corporation)
2BALNT_T1L1	2QUEZON	Manly Plastics, Inc.
2BALNT_T1L1	2QUEZON	Metrodragon Steel Corporation
2BALNT_T1L1	2QUEZON	Mega Soft Hygienic Products, Inc.
2BALNT_T1L1	2QUEZON	Malabon Soap and Oil Company, Inc.
2BALNT_T1L1	2QUEZON	Maxima Steel Mills Corporation
2BALNT_T1L1	2QUEZON	New Foundland Plastic Mfg. Corporation
2BALNT_T1L1	2QUEZON	North Ventures Commercial Corporation
2BALNT_T1L1	2QUEZON	Omnipack Industrial Corporation
2BALNT_T1L1	2QUEZON	Plastimer Industrial Corporation
2BALNT_T1L1	2QUEZON	Polyfoam-RGC International Corporation
2BALNT_T1L1	2QUEZON	Robinsons Land Corporation
2BALNT_T1L1	2QUEZON	RPMC Plastics Phils. Inc.
2BALNT_T1L1	2QUEZON	SAL Fishing Corporation
2BALNT_T1L1	2QUEZON	Sakomoto International Packaging Corp
2BALNT_T1L1	2QUEZON	San Miguel Brewery, Inc.
2BALNT_T1L1	2QUEZON	SM Prime Holdings, Inc. (Fairview Annex 2 Meter 2)
2BALNT_T1L1	2QUEZON	SM Prime Holdings, Inc. (Fairview Annex 2 Meter 1)
2BALNT_T1L1	2QUEZON	SM Prime Holdings, Inc. (Valenzuela)
2BALNT_T1L1	2QUEZON	SM Prime Holdings, Inc. – Novaliches
2BALNT_T1L1	2QUEZON	SM Prime Holdings, Inc. - SM Center Sangandaan
2BALNT_T1L1	2QUEZON	Syscore, Inc.
2BALNT_T1L1	2QUEZON	Tiger Machinery & Industrial Corporation
2BALNT_T1L1	2QUEZON	TV5 Network, Inc.
2BALNT_T1L1	2QUEZON	Universal Steel Smelting Co., Inc.
2BALNT_T1L1	2QUEZON	VFC Land Resources, Inc.
2BALNT_T1L1	2QUEZON	Zesto Corporation
2BALNT_T1L1	2QUEZON	Emson Arwin Plastic Corporation
2BALNT_T1L1	2QUEZON	Ashlar Industrial Corporation
2BALNT_T1L1	2QUEZON	Chain Glass Enterprises Incorporated
2BALNT_T1L1	2QUEZON	COLUMBIA WIRE & CABLE CORP
2BALNT_T1L1	2QUEZON	Dragon Asia Rolling Mills Inc.
2BALNT_T1L1	2QUEZON	Frabelle Cold Storage Corporation
2BALNT_T1L1	2QUEZON	Fiberline Industries, Inc.
2BALNT_T1L1	2QUEZON	Foodsphere, Inc.
2BALNT_T1L1	2QUEZON	FIBC Greenbag Philippines Inc.

Resource Name	Station	Customer Full Name
2BALNT_T1L1	2QUEZON	Fompac Plastics Corp.
2BALNT_T1L1	2QUEZON	Gilvan Packaging Corporation
2BALNT_T1L1	2QUEZON	Gold Triangle Properties Inc.
2BALNT_T1L1	2QUEZON	GMA NETWORK INC.
2BALNT_T1L1	2QUEZON	Kareila Management Corp.
2BALNT_T1L1	2QUEZON	Luis Lee (Citiplas Plastic)
2BALNT_T1L1	2QUEZON	Marulas Industrial Corporation
2BALNT_T1L1	2QUEZON	Multiplast Corporation
2BALNT_T1L1	2QUEZON	Maynilad Water Services, Inc. (North - A Annex)
2BALNT_T1L1	2QUEZON	North Eastern Commercial Corp.
2BALNT_T1L1	2QUEZON	OUR LADY OF LOURDES HOSPITAL
2BALNT_T1L1	2QUEZON	Phil-Asia Plastic Mfg, Inc.
2BALNT_T1L1	2QUEZON	Plascorp Packaging Incorporated
2BALNT_T1L1	2QUEZON	Panorama Development Corp.
2BALNT_T1L1	2QUEZON	Panorama Development Corporation
2BALNT_T1L1	2QUEZON	PAPERLAND, INC.
2BALNT_T1L1	2QUEZON	Papercon Phils Inc.
2BALNT_T1L1	2QUEZON	Quality Container Corporation
2BALNT_T1L1	2QUEZON	SUNCREST FOOD INC.
2BALNT_T1L1	2QUEZON	Super Five Cold Storage Realty Corporation
2BALNT_T1L1	2QUEZON	SM Prime Holdings, Inc. (SM Congressional)
2BALNT_T1L1	2QUEZON	Shoppers Paradise Realty & Development Corporation (Nova Mall)
2BALNT_T1L1	2QUEZON	Staccato Exhibits and Development, Inc.
2BALNT_T1L1	2QUEZON	Twinpack Container Corporation
2BALNT_T1L1	2QUEZON	United Steel Master Mfg. Corporation
2BALNT_T1L1	2QUEZON	ICY POINT COLD STORAGE AND PROCESSING CORPORATION
2BALNT_T1L1	2QUEZON	VANSON PAPER INDUSTRIAL CORP.
2BALNT_T1L1	2QUEZON	VALLEY PULP & PAPER MILLS, INC.
2BALNT_T1L1	2QUEZON	YIC Group of Companies, Inc.
2DOLOR_T1L1	2TAYTAY	Manila Electric Company
2DOLOR_T1L1	2TAYTAY	Rockwell Land Corporation (The Grove)
2DOLOR_T1L1	2TAYTAY	Amcort Tobacco Packaging Rizal Corporation
2DOLOR_T1L1	2TAYTAY	Bonpack Corporation
2DOLOR_T1L1	2TAYTAY	Citibank Square Condominium Corporation
2DOLOR_T1L1	2TAYTAY	Cathay Pacific Steel Corporation
2DOLOR_T1L1	2TAYTAY	Hardrock Aggregates, Inc.
2DOLOR_T1L1	2TAYTAY	Megaworld Corporation
2DOLOR_T1L1	2TAYTAY	Manila Water Company, Inc.
2DOLOR_T1L1	2TAYTAY	Robinsons Land Corporation
2DOLOR_T1L1	2TAYTAY	Rockwell Land Corporation
2DOLOR_T1L1	2TAYTAY	San Andres Producers Cooperative
2DOLOR_T1L1	2TAYTAY	Sta. Lucia Development, Inc.
2DOLOR_T1L1	2TAYTAY	SM Prime Holdings, Inc. – Masinag
2DOLOR_T1L1	2TAYTAY	SM Prime Holdings, Inc. – Marikina
2DOLOR_T1L1	2TAYTAY	Sta. Lucia Land, Inc.

Resource Name	Station	Customer Full Name
2DOLOR_T1L1	2TAYTAY	V & F Ice Plant & Cold Storage, Inc.
2DOLOR_T1L1	2TAYTAY	Wrigley Philippines Inc.
2DOLOR_T1L1	2TAYTAY	Coral Agri-Venture Farm, Inc.
2DOLOR_T1L1	2TAYTAY	MDC 100 Incorporated
2DOLOR_T1L1	2TAYTAY	Republic Cement & Building Materials, Inc.
2DOLOR_T1L1	2TAYTAY	Solid Cement Corporation
2DOLOR_T1L1	2TAYTAY	Teresa Marble Corporation
2DOLOR_T1L1	2TAYTAY	Asian Development Bank
2DOLOR_T1L1	2TAYTAY	La Farge Holcim Aggregates, Inc.
2DOLOR_T1L1	2TAYTAY	21st Century Steel Mill, Inc
2DOLOR_T1L1	2TAYTAY	Guru Property Development and Management Corporation
2DOLOR_T1L1	2TAYTAY	Philippine Long Distance Company
2DOLOR_T1L1	2TAYTAY	Professional Services, Inc.
2DOLOR_T1L1	2TAYTAY	Raffles Condominium Corporation
2DOLOR_T1L1	2TAYTAY	SM Prime Holdings, Inc. (Taytay)
2DOLOR_T1L1	2TAYTAY	SM Prime Holdings Inc. (SM Angono)
2DOLOR_T1L1	2TAYTAY	The Orient Square Condominium Association, Inc. (Formerly Daiichi Properties & Development, Inc.)
2DOLOR_T1L1	2TAYTAY	The Taipan Place Condominium Association, Inc.
2DOLOR_T1L1	2TAYTAY	Wynsum Realty Developer, Inc.
2DOLOR_T1L1	2TAYTAY	ATLANTA INDUSTRIES, INC.
2DOLOR_T1L1	2TAYTAY	Chemrez Technologies, Inc.
2DOLOR_T1L1	2TAYTAY	Delfi Foods, Inc.
2DOLOR_T1L1	2TAYTAY	Hansson Paper Phils. Corporation
2DOLOR_T1L1	2TAYTAY	Lunar Steel Corporation
2DOLOR_T1L1	2TAYTAY	Mercury Drug Corporation
2DOLOR_T1L1	2TAYTAY	Midland Steel Corporation
2DOLOR_T1L1	2TAYTAY	Oleo-Fats, Incorporated
2DOLOR_T1L1	2TAYTAY	PMFTC, Inc.
2DOLOR_T1L1	2TAYTAY	Pag-asa Steel Works, Inc.
2DOLOR_T1L1	2TAYTAY	Riverbanks Development Corporation
2DOLOR_T1L1	2TAYTAY	Red Ribbon Bakeshop, Inc.
2DOLOR_T1L1	2TAYTAY	Smart Communications, Inc.
2DOLOR_T1L1	2TAYTAY	SM Prime Holdings, Inc. (San Mateo)
2DOLOR_T1L1	2TAYTAY	Universal Robina
2DOLOR_T1L1	2TAYTAY	Unilever RFM Ice Cream, Inc.
2DOLOR_T1L1	2TAYTAY	AllHome Corp. (AllHome Libis)
2DOLOR_T1L1	2TAYTAY	Anonas LRT Property and Development Corporation
2DOLOR_T1L1	2TAYTAY	Astoria Plaza Condominium Corporation
2DOLOR_T1L1	2TAYTAY	Asian Antibiotics, Inc.
2DOLOR_T1L1	2TAYTAY	Bayan Telecommunications, Inc.
2DOLOR_T1L1	2TAYTAY	Chemrez Technologies Inc.
2DOLOR_T1L1	2TAYTAY	Colinas Verdes Hospital Managers Corporation
2DOLOR_T1L1	2TAYTAY	CW Marketing & Development Corporation
2DOLOR_T1L1	2TAYTAY	Discovery Center Condominium Corporation
2DOLOR_T1L1	2TAYTAY	Empire East Land Holdings, Inc.
2DOLOR_T1L1	2TAYTAY	First Asia Realty Development Corporation (SM Megamall A)

Resource Name	Station	Customer Full Name
2DOLOR_T1L1	2TAYTAY	First Asia Realty Development Corporation (SM Megamall B)
2DOLOR_T1L1	2TAYTAY	First Asia Realty Development Corporation (SM Megamall C)
2DOLOR_T1L1	2TAYTAY	First Asia Realty Development Corporation (SM Megamall D)
2DOLOR_T1L1	2TAYTAY	First Asia Realty Development Corporation (SM Megamall Atrium)
2DOLOR_T1L1	2TAYTAY	Frontier Ortigas Hotel and Resort Corporation
2DOLOR_T1L1	2TAYTAY	Flair Towers Condominium Corporation
2DOLOR_T1L1	2TAYTAY	Igloo Supply Chain Philippines, Inc.
2DOLOR_T1L1	2TAYTAY	I-Square Condominium Corporation
2DOLOR_T1L1	2TAYTAY	LUCKYGOLD DEVELOPMENT INCORPORATED
2DOLOR_T1L1	2TAYTAY	MANILA BAY SPINNING MILLS, INC.
2DOLOR_T1L1	2TAYTAY	Megaworld Corporation (Richmonde Ortigas)
2DOLOR_T1L1	2TAYTAY	Megaworld Corporation (Citywalk Annex Building - C2ADMB)
2DOLOR_T1L1	2TAYTAY	Megaworld Corporation (T1)
2DOLOR_T1L1	2TAYTAY	Megaworld Corporation (T2)
2DOLOR_T1L1	2TAYTAY	Megaworld Corporation (T3)
2DOLOR_T1L1	2TAYTAY	Megaworld Corporation (AGT)
2DOLOR_T1L1	2TAYTAY	Manila Water Company, Inc. (Lucban Facility)
2DOLOR_T1L1	2TAYTAY	North Eastern Commercial Corporation (The 30th Retail)
2DOLOR_T1L1	2TAYTAY	North Eastern Commercial Corporation (The 30th DCS)
2DOLOR_T1L1	2TAYTAY	Ortigas & Company Limited Partnership
2DOLOR_T1L1	2TAYTAY	One Magnificent Mile Condominium Corporation
2DOLOR_T1L1	2TAYTAY	Ortigas Technopoint Realty Inc.
2DOLOR_T1L1	2TAYTAY	Quantuvis Resources Corporation
2DOLOR_T1L1	2TAYTAY	ROBINSONS LAND CORPORATION - Cyberscape Gamma
2DOLOR_T1L1	2TAYTAY	Rockwell Land Corporation (Rockwell Business Center Sheridan)
2DOLOR_T1L1	2TAYTAY	Royale Cold Storage Inc.
2DOLOR_T1L1	2TAYTAY	Summerhill Commercial Ventures Corp.
2DOLOR_T1L1	2TAYTAY	ST. FRANCIS SQUARE DEVELOPMENT CORPORATION
2DOLOR_T1L1	2TAYTAY	ST. FRANCIS SQUARE HOLDINGS, INC. (formerly ASB HOLDNGS, INC.)
2DOLOR_T1L1	2TAYTAY	Shang Properties Realty Corporation
2DOLOR_T1L1	2TAYTAY	SM Keppel Land Inc.
2DOLOR_T1L1	2TAYTAY	SM Keppel Land, Inc.
2DOLOR_T1L1	2TAYTAY	Sumainta Industries Inc.
2DOLOR_T1L1	2TAYTAY	SM Prime Holdings, Inc. (SM Cherry Antipolo)
2DOLOR_T1L1	2TAYTAY	SM Prime Holdings, Inc. (SM East Ortigas)
2DOLOR_T1L1	2TAYTAY	Universal Robina Corporation (Robina Farm 11)
2PACO_T1L1	2MANILA	Manila Electric Company
2PACO_T1L1	2MANILA	Ayala Land, Inc. (Vertex One Building)
2PACO_T1L1	2MANILA	Chinese General Hospital and Medical Center
2PACO_T1L1	2MANILA	China Oceanis Philippines, Inc.
2PACO_T1L1	2MANILA	De La Salle - College of Saint Benilde, Inc.
2PACO_T1L1	2MANILA	Doubledragon Properties Corporation
2PACO_T1L1	2MANILA	Maranaw Hotels & Resort Corporation
2PACO_T1L1	2MANILA	MJC Investments Corporation
2PACO_T1L1	2MANILA	Manila North Harbour Port, Inc.

Resource Name	Station	Customer Full Name
2PACO_T1L1	2MANILA	New Riviera Hotel Development Corporation
2PACO_T1L1	2MANILA	Philippine Foremost Milling Corporation
2PACO_T1L1	2MANILA	SM Prime Holdings, Inc. (San Lazaro)
2PACO_T1L1	2MANILA	Star Parks Corporation
2PACO_T1L1	2MANILA	U.S.Embassy Manila
2PACO_T1L1	2MANILA	University of Sto. Tomas
2PACO_T1L1	2MANILA	Vifel Ice Plant & Cold Storage Inc.
2PACO_T1L1	2MANILA	Tutuban Properties, Inc. (CM1)
2PACO_T1L1	2MANILA	Tutuban Properties, Inc. (DEPTST)
2PACO_T1L1	2MANILA	Tutuban Properties, Inc.
2PACO_T1L1	2MANILA	Adriatico Consortium, Inc.
2PACO_T1L1	2MANILA	Bullion Investment and Development Corporation
2PACO_T1L1	2MANILA	Festina Holdings, Inc.
2PACO_T1L1	2MANILA	International Container Terminal Services, Inc.
2PACO_T1L1	2MANILA	Megaworld Corporation (Lucky Chinatown Annex)
2PACO_T1L1	2MANILA	Mama Tina Pasta Company, Inc.
2PACO_T1L1	2MANILA	Nation Realty, Inc.
2PACO_T1L1	2MANILA	Philippine Plaza Holdings, Inc.
2PACO_T1L1	2MANILA	Robinson Land Corporation
2PACO_T1L1	2MANILA	Robinsons Land Corporation
2PACO_T1L1	2MANILA	San Miguel Yamamura Packaging Corporation
2PACO_T1L1	2MANILA	United Doctors Service Corporation
2PACO_T1L1	2MANILA	Vifel Ice Plant & Cold Storage, Inc.
2PACO_T1L1	2MANILA	Yeeloofa Development Corporation
2PACO_T1L1	2MANILA	Acesite (Phils.) Hotel Corporation
2PACO_T1L1	2MANILA	Asian Terminals, Inc.
2PACO_T1L1	2MANILA	Manila Bulletin Publishing Corporation
2PACO_T1L1	2MANILA	Far Eastern University, Inc.
2PACO_T1L1	2MANILA	Megaworld Corporation (Lucky Chinatown)
2PACO_T1L1	2MANILA	Manila Hotel Corporation
2PACO_T1L1	2MANILA	Marina Square Properties, Inc.
2PACO_T1L1	2MANILA	Philippine Diamond Hotel & Resort, Inc. (Diamond Hotel Philippines)
2PACO_T1L1	2MANILA	RHL Properties & Development Corporation
2PACO_T1L1	2MANILA	SM Prime Holdings, Inc. (Manila)
2PACO_T1L1	2MANILA	Unilever Philippines, Inc.
2PACO_T1L1	2MANILA	De La Salle University
2PACO_T1L1	2MANILA	De La Salle University Inc.
2PACO_T1L1	2MANILA	Fishport Ice Plant, Inc.
2PACO_T1L1	2MANILA	Malay Resources Inc.
2PACO_T1L1	2MANILA	Masagana Telamart Inc
2PACO_T1L1	2MANILA	OCEANVILLE HOTEL & SPA CORP.
2PACO_T1L1	2MANILA	Philippine Center for International Trade and Exhibit
2PACO_T1L1	2MANILA	Philippine Cold Storage, Inc.
2PACO_T1L1	2MANILA	Tri-Union Properties, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Manila Electric Company
2SUCAT_T1L1	2MUNTINLUPA	20-34 Property Holdings, Inc.

Resource Name	Station	Customer Full Name
2SUCAT_T1L1	2MUNTINLUPA	6776 Ayala Avenue Condominium Corporation
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (6750 Office Tower)
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (1 Palm Drive)
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (2 Palm Drive)
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (Makati Stock Exchange)
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (Greenbelt 5)
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (Glorietta 5 BPO)
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (Glorietta 3)
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (Glorietta 5 Retail)
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (Glorietta 4)
2SUCAT_T1L1	2MUNTINLUPA	Ali Makati Hotel Property, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Ascott Makati, Inc.
2SUCAT_T1L1	2MUNTINLUPA	BA Lepanto Condominium Corporation
2SUCAT_T1L1	2MUNTINLUPA	Bridgebury Realty Corporation
2SUCAT_T1L1	2MUNTINLUPA	Bank of the Philippine Islands
2SUCAT_T1L1	2MUNTINLUPA	Citi Center Condominium Corporation
2SUCAT_T1L1	2MUNTINLUPA	Cititower Condominium Corporation
2SUCAT_T1L1	2MUNTINLUPA	Genbancor Condominium Corporation
2SUCAT_T1L1	2MUNTINLUPA	The Landmark Corporation
2SUCAT_T1L1	2MUNTINLUPA	Megaworld Corporation
2SUCAT_T1L1	2MUNTINLUPA	Megaworld Corporation (Commerce & Industry Plaza)
2SUCAT_T1L1	2MUNTINLUPA	Megaworld Corporation (Paseo Center)
2SUCAT_T1L1	2MUNTINLUPA	Megaworld Corporation (Venice Grand Canal)
2SUCAT_T1L1	2MUNTINLUPA	Makati Shangri-La Hotel & Resort, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Manila Peninsula Hotel, Inc.
2SUCAT_T1L1	2MUNTINLUPA	New World International Development Philippines, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Philippines First Condominium
2SUCAT_T1L1	2MUNTINLUPA	Dusit Thani Philippines, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Philippine Integrated Energy Solutions, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Philippine Long Distance Telephone Company
2SUCAT_T1L1	2MUNTINLUPA	Pacific Plaza Towers Condominium Corp. (NORTH)
2SUCAT_T1L1	2MUNTINLUPA	Pacific Plaza Towers Condominium Corp. (South)
2SUCAT_T1L1	2MUNTINLUPA	Rustan Commercial Corporation
2SUCAT_T1L1	2MUNTINLUPA	Tower One and Exchange Plaza Condominium Corporation
2SUCAT_T1L1	2MUNTINLUPA	The World Centre Condominium Association
2SUCAT_T1L1	2MUNTINLUPA	Dearborn Realty Corporation
2SUCAT_T1L1	2MUNTINLUPA	Manuela Corporation (Starmall Alabang)
2SUCAT_T1L1	2MUNTINLUPA	N- Square BGC Properties, Inc.
2SUCAT_T1L1	2MUNTINLUPA	N-One BGC Properties, Inc.
2SUCAT_T1L1	2MUNTINLUPA	20-12 Property Holdings, Inc.
2SUCAT_T1L1	2MUNTINLUPA	N-Quad BGC Properties, Inc.
2SUCAT_T1L1	2MUNTINLUPA	N-Cube BGC Properties, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Pioneer Float Glass Manufacturing, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Air Liquide Philippines, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Arthaland Corporation
2SUCAT_T1L1	2MUNTINLUPA	BDO Unibank, Inc.

Resource Name	Station	Customer Full Name
2SUCAT_T1L1	2MUNTINLUPA	Cathay Pacific Steel Corporation
2SUCAT_T1L1	2MUNTINLUPA	Fort Bonifacio Development Corporation
2SUCAT_T1L1	2MUNTINLUPA	Fort Bonifacio Development Corporation (Bonifacio High Street East Q8)
2SUCAT_T1L1	2MUNTINLUPA	Fort Bonifacio Development Corporation (Bonifacio High Street East Q3 Facility)
2SUCAT_T1L1	2MUNTINLUPA	Fort Bonifacio Development Corporation (Park Triangle Facility)
2SUCAT_T1L1	2MUNTINLUPA	Fort Legend Towers Corporation
2SUCAT_T1L1	2MUNTINLUPA	Globe Telecom, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Hyopan Land Philippines, Inc.
2SUCAT_T1L1	2MUNTINLUPA	International School Manila, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Legacy Steel Corporation
2SUCAT_T1L1	2MUNTINLUPA	Manta Equities, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Megaworld Corporation (Uptown Mall)
2SUCAT_T1L1	2MUNTINLUPA	Masterpiece Asia Properties, Inc. (Vistamall Taguig)
2SUCAT_T1L1	2MUNTINLUPA	Metro Retail Stores Group, Inc. (Market2x)
2SUCAT_T1L1	2MUNTINLUPA	Manila Water Company, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Manila Water Company, Inc. (21st Facility)
2SUCAT_T1L1	2MUNTINLUPA	One Global Place Condominium Association, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Portuguese Realty, Inc.
2SUCAT_T1L1	2MUNTINLUPA	PSMT Philippines, Inc. (S&R Fort)
2SUCAT_T1L1	2MUNTINLUPA	Picadilly Star Realty Corporation
2SUCAT_T1L1	2MUNTINLUPA	RCBC Savings Bank, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Shang Global City Properties, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Sun Life of Canada (Philippines), Inc.
2SUCAT_T1L1	2MUNTINLUPA	St. Lukes Medical Center (Global City) Inc.
2SUCAT_T1L1	2MUNTINLUPA	SM Prime Holdings, Inc. - Aura
2SUCAT_T1L1	2MUNTINLUPA	Super Prime Holdings, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Serendra, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Station Square East Commercial Corporation
2SUCAT_T1L1	2MUNTINLUPA	Total Consolidated Asset Management, Inc.
2SUCAT_T1L1	2MUNTINLUPA	W Fifth Avenue, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Smart Communications, Inc.
2SUCAT_T1L1	2MUNTINLUPA	SM Prime Holdings Inc. (SM Sucat Meter 1)
2SUCAT_T1L1	2MUNTINLUPA	SM Prime Holdings Inc. (SM Sucat Meter 2)
2SUCAT_T1L1	2MUNTINLUPA	Amkor Technology Philippines, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Fresh N' Famous Corporation (Chowking)
2SUCAT_T1L1	2MUNTINLUPA	Chowking Food Corporation
2SUCAT_T1L1	2MUNTINLUPA	Kawasaki Motors (Phils) Corporation
2SUCAT_T1L1	2MUNTINLUPA	Maynilad Water Services, Inc.
2SUCAT_T1L1	2MUNTINLUPA	SM Prime Holdings, Inc. (Parañaque)
2SUCAT_T1L1	2MUNTINLUPA	Temic Automotive (Phils.), Inc.
2SUCAT_T1L1	2MUNTINLUPA	Vishay (Phils), Inc.
2SUCAT_T1L1	2MUNTINLUPA	Zeller Plastik Philippines, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Ayala Land, Inc. (Ayala Malls South Park)
2SUCAT_T1L1	2MUNTINLUPA	Citysuper Alabang, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Cyberzone Properties, Inc. - Vector Building

Resource Name	Station	Customer Full Name
2SUCAT_T1L1	2MUNTINLUPA	Cyberzone Properties, Inc. - IHUB 2 Building
2SUCAT_T1L1	2MUNTINLUPA	Cyberzone Properties, Inc. - Plaza A Building
2SUCAT_T1L1	2MUNTINLUPA	Cyberzone Properties, Inc. - IHUB 1 Building
2SUCAT_T1L1	2MUNTINLUPA	Cyberzone Properties, Inc. - Filinvest One Building
2SUCAT_T1L1	2MUNTINLUPA	Filinvest Alabang, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Philippine DCS Development Corporation
2SUCAT_T1L1	2MUNTINLUPA	Allegro MicroSystems Philippines, Inc.
2SUCAT_T1L1	2MUNTINLUPA	American Wire & Cable
2SUCAT_T1L1	2MUNTINLUPA	Fortune Packaging Corporation
2SUCAT_T1L1	2MUNTINLUPA	Jollibee Worldwide Pte. Ltd.
2SUCAT_T1L1	2MUNTINLUPA	Macroasia Catering Services, Inc.
2SUCAT_T1L1	2MUNTINLUPA	SM Prime Holdings, Inc. (Meter 1 – Bicutan)
2SUCAT_T1L1	2MUNTINLUPA	SM Prime Holdings, Inc. (Meter 2 – Bicutan)
2SUCAT_T1L1	2MUNTINLUPA	Telengtan Brothers & Sons, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Team Pacific Corporation
2SUCAT_T1L1	2MUNTINLUPA	Arendelle Cold Logistics, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Aeonprime Land Development Corp. (Block 45-Aeon Center)
2SUCAT_T1L1	2MUNTINLUPA	BDO Equitable Tower Condominium Corporation
2SUCAT_T1L1	2MUNTINLUPA	Banco De Oro Unibank, Inc. (South Tower)
2SUCAT_T1L1	2MUNTINLUPA	CAPITAL ONE PHILIPPINES SUPPORT SERVICES CORP.
2SUCAT_T1L1	2MUNTINLUPA	Century Pacific Group, Inc.
2SUCAT_T1L1	2MUNTINLUPA	Cyberzone Properties Inc. (Vector 3)
2SUCAT_T1L1	2MUNTINLUPA	Cyberzone Properties Inc. (IHub9)
2SUCAT_T1L1	2MUNTINLUPA	Eastern International Plastic Packaging Corp.
2SUCAT_T1L1	2MUNTINLUPA	The Finance Centre Condominium Association Inc.
2SUCAT_T1L1	2MUNTINLUPA	Johnson & Johnson (Phil), Inc.
2SUCAT_T1L1	2MUNTINLUPA	Megaworld Corporation (Forbes Heights Condominium Association, Inc.)
2SUCAT_T1L1	2MUNTINLUPA	Mar-Nol Realty Corporation (Marajo Tower)
2SUCAT_T1L1	2MUNTINLUPA	Masterpiece Asia Properties, Inc. (Vistamall Taguig Ph1)
2SUCAT_T1L1	2MUNTINLUPA	ONE MCKINLEY PLACE CONDOMINIUM CORPORATION
2SUCAT_T1L1	2MUNTINLUPA	Polyfoam-RGC Int'l Corp. (Uratex Muntinlupa Facility)
2SUCAT_T1L1	2MUNTINLUPA	Philippine Hoteliers Inc.
2SUCAT_T1L1	2MUNTINLUPA	Real Property Innovative Solutions, Inc.
2SUCAT_T1L1	2MUNTINLUPA	SLA Prime Ventures Corporation
2SUCAT_T1L1	2MUNTINLUPA	Tesoro Alegre Inc.
2SUCAT_T1L1	2MUNTINLUPA	TECHZONE CONDOMINIUM CORPORATION
2SUCAT_T1L1	2MUNTINLUPA	Vista Residences Inc. (Vista Hub Taguig)
2ZAPOT_T1L1	2ZAPOTE	Manila Electric Company
2ZAPOT_T1L1	2ZAPOTE	Manuela Corporation
2ZAPOT_T1L1	2ZAPOTE	Mondelez Philippines, Inc.
2ZAPOT_T1L1	2ZAPOTE	ALI-CII Development Corporation
2ZAPOT_T1L1	2ZAPOTE	Belle Corporation
2ZAPOT_T1L1	2ZAPOTE	Grand Plaza Hotel Corporation
2ZAPOT_T1L1	2ZAPOTE	Hotel Enterprises of the Phils., Inc.
2ZAPOT_T1L1	2ZAPOTE	Maynilad Water Services, Inc.
2ZAPOT_T1L1	2ZAPOTE	Oceanaire Residences Condominium Corporation

Resource Name	Station	Customer Full Name
2ZAPOT_T1L1	2ZAPOTE	Perpetual Help College Rizal
2ZAPOT_T1L1	2ZAPOTE	Perpetual Help Medical Center
2ZAPOT_T1L1	2ZAPOTE	Robinsons Land Corporation
2ZAPOT_T1L1	2ZAPOTE	SM Investment Corporation (SMX Convention)
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings, Inc. (SM Southmall)
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings, Inc. – SMOA
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings, Inc. - Five E-com
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings, Inc. - Two E-com
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings, Inc. (Las Piñas)
2ZAPOT_T1L1	2ZAPOTE	Sureste Properties, Inc.
2ZAPOT_T1L1	2ZAPOTE	Travellers International Hotel Group, Inc.
2ZAPOT_T1L1	2ZAPOTE	Widescope Property and Management Corporation
2ZAPOT_T1L1	2ZAPOTE	Ayala Land, Inc. (Convergys One)
2ZAPOT_T1L1	2ZAPOTE	Ayala Land, Inc. (Greenbelt 3)
2ZAPOT_T1L1	2ZAPOTE	Alphaland Corporation (Alphaland Southgate Tower, Inc.)
2ZAPOT_T1L1	2ZAPOTE	Alphaland Makati Place, Inc. (AMPI)
2ZAPOT_T1L1	2ZAPOTE	Alphaland Makati Tower, Inc. (Tower 6789 Ayala Avenue)
2ZAPOT_T1L1	2ZAPOTE	Arrow Plastic Industries Corporation
2ZAPOT_T1L1	2ZAPOTE	BPI-Philam Life Makati Condominium Corporation
2ZAPOT_T1L1	2ZAPOTE	Cebu Air, Inc.
2ZAPOT_T1L1	2ZAPOTE	Cyan Management Corporation
2ZAPOT_T1L1	2ZAPOTE	Exportbank Plaza Condominium Corporation
2ZAPOT_T1L1	2ZAPOTE	Echotechland, Inc.
2ZAPOT_T1L1	2ZAPOTE	GT Tower International c/o Federal Land, Inc.
2ZAPOT_T1L1	2ZAPOTE	First Gateway Real Estate Corp.
2ZAPOT_T1L1	2ZAPOTE	Filinvest Asia Corporation
2ZAPOT_T1L1	2ZAPOTE	Globe Telecom, Inc.
2ZAPOT_T1L1	2ZAPOTE	Icec Land Corporation
2ZAPOT_T1L1	2ZAPOTE	Innovate Communications, Inc.
2ZAPOT_T1L1	2ZAPOTE	Lufthansa Technik Philippines
2ZAPOT_T1L1	2ZAPOTE	Medical Doctors, Inc.
2ZAPOT_T1L1	2ZAPOTE	Megaworld Corporation
2ZAPOT_T1L1	2ZAPOTE	Makati Sky Plaza, Inc.
2ZAPOT_T1L1	2ZAPOTE	One Dela Rosa Property Development, Inc.
2ZAPOT_T1L1	2ZAPOTE	Philippine Airlines
2ZAPOT_T1L1	2ZAPOTE	Philam Properties Corporation
2ZAPOT_T1L1	2ZAPOTE	Philippine National Bank
2ZAPOT_T1L1	2ZAPOTE	Philippine Savings Bank
2ZAPOT_T1L1	2ZAPOTE	Rufino Pacific Tower Cond. Corporation
2ZAPOT_T1L1	2ZAPOTE	RCBC Realty Corporation
2ZAPOT_T1L1	2ZAPOTE	Smart Communicatons, Inc.
2ZAPOT_T1L1	2ZAPOTE	SyCipLaw Condominium Corporation
2ZAPOT_T1L1	2ZAPOTE	The Enterprise Center Condominium Corporation
2ZAPOT_T1L1	2ZAPOTE	Travellers International Hotel Group, Inc. (Marriot Hotel Manila)
2ZAPOT_T1L1	2ZAPOTE	Var Buildings, Inc.
2ZAPOT_T1L1	2ZAPOTE	Wellington Invest & Manufacturing Corporation

Resource Name	Station	Customer Full Name
2ZAPOT_T1L1	2ZAPOTE	Willimson, Inc.
2ZAPOT_T1L1	2ZAPOTE	Alabang Commercial Corporation
2ZAPOT_T1L1	2ZAPOTE	Aeonprime Land Development Corporation
2ZAPOT_T1L1	2ZAPOTE	Asian Star Condominium Corporation
2ZAPOT_T1L1	2ZAPOTE	Asian Hospital and Medical Center
2ZAPOT_T1L1	2ZAPOTE	Cavite Commercial Towncenter, Inc.
2ZAPOT_T1L1	2ZAPOTE	CHMI Hotels & Residence, Inc. (Acacia Hotel Manila)
2ZAPOT_T1L1	2ZAPOTE	Filinvest Alabang, Inc. (Festival Mall Extension)
2ZAPOT_T1L1	2ZAPOTE	Filinvest Alabang, Inc.
2ZAPOT_T1L1	2ZAPOTE	Insular Life Assurance Co.
2ZAPOT_T1L1	2ZAPOTE	Liwayway Marketing Corporation
2ZAPOT_T1L1	2ZAPOTE	Lotus Central Mall, Inc.
2ZAPOT_T1L1	2ZAPOTE	Masterpiece Asia Properties, Inc. (Vistamall Daang Hari)
2ZAPOT_T1L1	2ZAPOTE	Metro Retail Stores Group, Inc. (Alabang)
2ZAPOT_T1L1	2ZAPOTE	Philippine Airlines, Inc.
2ZAPOT_T1L1	2ZAPOTE	Philippine Integrated Energy Solutions, Inc.
2ZAPOT_T1L1	2ZAPOTE	RPJ Realty Corp (Bellevue Hotel)
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings Inc. (SM Bacoor)
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings, Inc. – Molino
2ZAPOT_T1L1	2ZAPOTE	San Miguel Yamamura Asia Corporation
2ZAPOT_T1L1	2ZAPOTE	Tiger Resort, Leisure and Entertainment, Inc.
2ZAPOT_T1L1	2ZAPOTE	Techzone Philippines, Inc.
2ZAPOT_T1L1	2ZAPOTE	Abenson Inc.
2ZAPOT_T1L1	2ZAPOTE	Adebe Realty Company, Inc.
2ZAPOT_T1L1	2ZAPOTE	Aseana Holdings, Inc.
2ZAPOT_T1L1	2ZAPOTE	Ayala Land, Inc. (Circuit BPO 1)
2ZAPOT_T1L1	2ZAPOTE	Ayala Land, Inc. (Circuit Mall)
2ZAPOT_T1L1	2ZAPOTE	Anstay Realty & Development Corp.
2ZAPOT_T1L1	2ZAPOTE	Averon Holdings Corporation
2ZAPOT_T1L1	2ZAPOTE	Brittany Corporation (Evia Bldg. C)
2ZAPOT_T1L1	2ZAPOTE	Brittany Corporation (Evia Bldg. B)
2ZAPOT_T1L1	2ZAPOTE	Brittany Corporation (Evia Bldg. E)
2ZAPOT_T1L1	2ZAPOTE	Dd-Meridian Park Development Corporation
2ZAPOT_T1L1	2ZAPOTE	Deluxe Hotels and Recreation Inc.
2ZAPOT_T1L1	2ZAPOTE	DMCI Project Developers, Inc.
2ZAPOT_T1L1	2ZAPOTE	Enderun Colleges, Inc.
2ZAPOT_T1L1	2ZAPOTE	Eastfield Properties & Land Development Corporation
2ZAPOT_T1L1	2ZAPOTE	ePLDT, Inc.
2ZAPOT_T1L1	2ZAPOTE	Filinvest Cyberparks, Inc.
2ZAPOT_T1L1	2ZAPOTE	Grand Union Supermarket, Inc.
2ZAPOT_T1L1	2ZAPOTE	JGC Philippines, Inc.
2ZAPOT_T1L1	2ZAPOTE	Keyland Ayala Properties, Inc. (formerly known as Security Land Corporation)
2ZAPOT_T1L1	2ZAPOTE	La Fuerza, Inc.
2ZAPOT_T1L1	2ZAPOTE	LUCKY STAR HOTELS AND RECREATION INC.
2ZAPOT_T1L1	2ZAPOTE	Makati Cornerstone Leasing Corp.

Resource Name	Station	Customer Full Name
2ZAPOT_T1L1	2ZAPOTE	MILLENNIUM PROPERTIES AND BROKERAGE INCORPORATED
2ZAPOT_T1L1	2ZAPOTE	Majalco Inc.
2ZAPOT_T1L1	2ZAPOTE	Manuela Corporation (Vista Hub Las Piñas)
2ZAPOT_T1L1	2ZAPOTE	Manila Water Company, Inc.
2ZAPOT_T1L1	2ZAPOTE	MWM TERMINALS, INC.
2ZAPOT_T1L1	2ZAPOTE	Maynilad Water Services, Inc. (Zapote)
2ZAPOT_T1L1	2ZAPOTE	Prince Alumer Development Corp.
2ZAPOT_T1L1	2ZAPOTE	111 Paseo De Roxas Condominium Association Inc.
2ZAPOT_T1L1	2ZAPOTE	POSH PROPERTIES DEVELOPMENT CORPORATION
2ZAPOT_T1L1	2ZAPOTE	Philippine Transmarine Carriers, Inc.
2ZAPOT_T1L1	2ZAPOTE	Robinsons Land Corporation – Cyber Sigma
2ZAPOT_T1L1	2ZAPOTE	SAN BEDA COLLEGE ALABANG, INC.
2ZAPOT_T1L1	2ZAPOTE	SM Development Corporation
2ZAPOT_T1L1	2ZAPOTE	SM Investments Corporation (MAAX)
2ZAPOT_T1L1	2ZAPOTE	SM Investment Corporation (One E-com)
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings, Inc. (Three E-Com)
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings, Inc. (SM Southmall BPO)
2ZAPOT_T1L1	2ZAPOTE	SM Prime Holdings, Inc. (Conrad Manila)
2ZAPOT_T1L1	2ZAPOTE	Sparc Properties and Realty Corporation
2ZAPOT_T1L1	2ZAPOTE	Vista Residences Inc. (AllHome Global South)
2ZAPOT_T1L1	2ZAPOTE	Westmont Clearwater Realty, Inc.
2ZAPOT_T1L1	2ZAPOTE	Willimson, Inc. (Makati Bank 2)
3AMADEO_T1L1	3AMADEO	Manila Electric Company
3AMADEO_T1L1	3AMADEO	National Grid Corporation of the Philippines
3AMADEO_T1L1	3AMADEO	Analog Devices Gen. Trias, Inc.
3AMADEO_T1L1	3AMADEO	Belle Corporation
3AMADEO_T1L1	3AMADEO	Cavite Commercial Towncenter, Inc.
3AMADEO_T1L1	3AMADEO	Cypress Manufacturing Ltd (PH)
3AMADEO_T1L1	3AMADEO	Eurotiles Industrial Corporation
3AMADEO_T1L1	3AMADEO	Globe Telecom Inc.
3AMADEO_T1L1	3AMADEO	JAE Philippines, Inc.
3AMADEO_T1L1	3AMADEO	JAE PHILIPPINES, INC.
3AMADEO_T1L1	3AMADEO	Maxim Philippine Operating Corporation
3AMADEO_T1L1	3AMADEO	Sanno Philippines Manufacturing Corporation
3AMADEO_T1L1	3AMADEO	SM Investments Corporation (Taal Vista)
3AMADEO_T1L1	3AMADEO	Telford Property Management Inc.
3AMADEO_T1L1	3AMADEO	Unilever Philippines, Inc.
3AMADEO_T1L1	3AMADEO	Agripacific Corporation
3AMADEO_T1L1	3AMADEO	Cascades Enterprises, Inc.
3AMADEO_T1L1	3AMADEO	SFI Fresh Bakers Corporation
3AMADEO_T1L1	3AMADEO	SM Prime Holdings, Inc. (Cavite)
3AVION_SS	3AVION	Prime Meridian PowerGen Corporation
3BACMAN_SS	3BACMANGP	Bac-Man Geothermal, Inc.
3BAT_BTLEC2	3BATANGAS	Batangas City Water District
3BAT_BTLEC2	3BATANGAS	Manila Electric Company
3BAT_BTLEC2	3BATANGAS	Cocochem Agro-Industrial Park, Inc.

Resource Name	Station	Customer Full Name
3BAT_BTLEC2	3BATANGAS	First Bay Power Corporation
3BAT_LIP02	3BATANGAS	Batangas II Electric Cooperative, Inc.
3BAT_LIP02	3BATANGAS	Pilipinas Kyohritsu, Inc.
3BAT_LIP02	3BATANGAS	De La Salle Lipa Inc.
3BAT_LIP02	3BATANGAS	Mary Mediatrix Medical Center
3BAT_LIP02	3BATANGAS	Premier Southern Corporation (SM Lipa)
3BAT_LIP02	3BATANGAS	Robinsons Land Corporation
3BAT_MECO	3BATANGAS	Atlantic Gulf & Pacific Company of Manila, Inc.
3BAT_MECO	3BATANGAS	Batangas II Electric Cooperative, Inc.
3BAT_MECO	3BATANGAS	Batangas Bay Terminal, Inc.
3BAT_MECO	3BATANGAS	Babcock – Hitachi Philippines, Inc.
3BAT_MECO	3BATANGAS	Coastal Bay Chemicals, Inc.
3BAT_MECO	3BATANGAS	ECSCO, Inc.
3BAT_MECO	3BATANGAS	First Bay Power Corporation
3BAT_MECO	3BATANGAS	First Bay Power Corporation (EEI Corporation)
3BAT_MECO	3BATANGAS	Keppel Philippines Marine, Inc.
3BAT_MECO	3BATANGAS	Manila Electric Company
3BAT_MECO	3BATANGAS	CKU Steel Corporation
3BAT_MECO1	3BATANGAS	Manila Electric Company
3BAT_MECO1	3BATANGAS	JG Summit Petrochemical Corporation
3BAT_MECO2	3BATANGAS	Manila Electric Company
3BAT_MECO2	3BATANGAS	SENCAR INDUSTRIAL CORPORATION
3BAT_MECO2	3BATANGAS	Chevron Philippines, Inc.
3BAT_MECO2	3BATANGAS	Unibag Manufacturing Corporation
3BAT_MECO2	3BATANGAS	Premier Southern Corporation
3BAT_MECO2	3BATANGAS	Feature Realty Holdings & Development
3BAT_ROS01	3BATANGAS	Batangas II Electric Cooperative, Inc.
3BAT_ROS01	3BATANGAS	Ibaan Electric and Engineering Corporation
3BAT_ROS01	3BATANGAS	Puyat Steel Corporation
3BAT_T1L1	3BATANGAS	NESTLE Philippines, Inc. – Lipa
3BAT_T1L1	3BATANGAS	CDO Foodsphere, Inc.
3BAT_T1L1	3BATANGAS	Lima Enerzone Corporation
3BAT_T1L1	3BATANGAS	Daiho Phils., Inc.
3BAT_T1L1	3BATANGAS	EPSON Precision (Philippines), Inc.
3BAT_T1L1	3BATANGAS	Furukawa Automotive Systems Lima Philippines, Inc.
3BAT_T1L1	3BATANGAS	Hitachi Cable Philippines Inc.
3BAT_T1L1	3BATANGAS	JT International Asia Manufacturing Corporation
3BAT_T1L1	3BATANGAS	Kinpo Electronics (Phils), Inc.
3BAT_T1L1	3BATANGAS	K & K Molding, Inc.
3BAT_T1L1	3BATANGAS	Koyo Manufacturing Philippines Corporation
3BAT_T1L1	3BATANGAS	Littelfuse Philippines, Inc. (BLDG. #1)
3BAT_T1L1	3BATANGAS	Littelfuse Philippines, Inc. (Plant #2)
3BAT_T1L1	3BATANGAS	Mitsuba Philippines, Corporation
3BAT_T1L1	3BATANGAS	Taihan Precision Technology (Philippines) Co., Inc.
3BAT_T1L1	3BATANGAS	Yamaha Motor (Philippines) Inc.
3BAT_T1L1	3BATANGAS	Daiho (Phils.), Inc. (Factory 2)

Resource Name	Station	Customer Full Name
3BAT_T1L1	3BATANGAS	Lima Land, Inc. (The Exchange)
3BAT_T1L1	3BATANGAS	Lima Land, Inc.
3BAT_T1L1	3BATANGAS	Philippine TRC, Inc.
3BAT_T2L1	3BATANGAS	Republic Cement & Building Materials, Inc. (Batangas)
3BAT_T2L1	3BATANGAS	Pilipinas Shell Petroleum Corporation
3BAT_T2L1	3BATANGAS	San Miguel Mills Inc.
3BATAN_SS	3BATANGAS	National Grid Corporation of the Philippines
3BATAN_T1L2	3BATANGAS	Batangas II Electric Cooperative, Inc.
3BATAN_T1L2	3BATANGAS	Holcim Philippines, Inc.
3BATAN_T1L2	3BATANGAS	Golden Bay Grain, Inc.
3BATAN_T1L2	3BATANGAS	San Miguel Mills, Inc.
3BINAN_SS	3BINAN	National Grid Corporation of the Philippines
3BINAN_T1L1	3BINAN	Manila Electric Company
3BINAN_T1L1	3BINAN	Asia Brewery Incorporated
3BINAN_T1L1	3BINAN	Certified Mills, Inc.
3BINAN_T1L1	3BINAN	Linde Philippines, Inc.
3BINAN_T1L1	3BINAN	Monde Nissin Corporation
3BINAN_T1L1	3BINAN	Nestle Philippines, Inc.
3BINAN_T1L1	3BINAN	RFM Corporation (Cabuyao Plant)
3BINAN_T1L1	3BINAN	Robinsons Land Corporation
3BINAN_T1L1	3BINAN	SM Prime Holdings, Inc. (SM Sta. Rosa)
3BINAN_T1L1	3BINAN	UPH-Dr. Jose G. Tamayo Medical
3BINAN_T1L1	3BINAN	ALASKA Milk Corporation
3BINAN_T1L1	3BINAN	Bi?an Steel Corporation
3BINAN_T1L1	3BINAN	Hamlin Industrial Corporation
3BINAN_T1L1	3BINAN	JR Plastic Manufacturing Corporation
3BINAN_T1L1	3BINAN	On Semiconductor Philippines, Inc.
3BINAN_T1L1	3BINAN	Pepsi Cola Products Philippines, Inc.
3BINAN_T1L1	3BINAN	SM Prime Holdings, Inc. - SMMT (Muntinlupa)
3BINAN_T1L1	3BINAN	San Pedro Supercenter Commercial Corporation (Under Rustan Supercenters, Inc.)
3BINAN_T1L1	3BINAN	Universal Robina Corporation (San Pedro 2)
3BINAN_T1L1	3BINAN	Taiyo-Nippon Sanso Philippines, Inc. (Batino)
3BINAN_T1L1	3BINAN	Universal Robina Corporation (San Pedro 1)
3BINAN_T1L1	3BINAN	Cargill Joy Poultry Meats Production Inc.
3BINAN_T1L1	3BINAN	EK HOLDINGS, INC.
3BINAN_T1L1	3BINAN	F. Tech Philippines Mfg. Inc.
3BINAN_T1L1	3BINAN	Indorama Ventures Packaging (Philippines) Corporation
3BINAN_T1L1	3BINAN	PREMIUMLINK DEVELOPMENT CORP.
3BINAN_T1L1	3BINAN	Prima Tech Philippines, Inc.
3BINAN_T1L1	3BINAN	Calamba Shinei Industry Philippines Corporation
3BINAN_T1L1	3BINAN	TMA Group Philippines Inc.
3BINAN_T1L1	3BINAN	Universal Robina Corporation (Biñan Plant)
3BINAN_T1L1	3BINAN	Wesselton Corp.
3BINAN_T1L1	3BINAN	Arcya Glass Corporation
3BINAN_T1L1	3BINAN	Continental Temic Electronics
3BINAN_T1L1	3BINAN	Matex International, Inc.

Resource Name	Station	Customer Full Name
3BINAN_T1L1	3BINAN	Mariwasa Siam Ceramics, Inc.
3BINAN_T1L1	3BINAN	EMD Technologies Philippines, Inc.
3BINAN_T1L1	3BINAN	STMicroelectronics, Inc.
3BINAN_T1L1	3BINAN	Swedish Match-Philippines, Inc.
3BINAN_T1L1	3BINAN	V & F Ice Plant & Cold Storage
3BINAN_T1L1	3BINAN	YTM Component
3BINAN_T1L1	3BINAN	Yazaki Torres Manufacturing, Inc.
3BINAN_T1L1	3BINAN	Yakult Philippines, Inc.
3BINAN_T1L1	3BINAN	Air Liquide Pipeline Utilities Services, Inc.
3BINAN_T1L1	3BINAN	Collegio De San Juan Letran Calamba
3BINAN_T1L1	3BINAN	Coca-cola Bottlers Philippines, Inc.
3BINAN_T1L1	3BINAN	DAIWA SEIKO PHILIPPINES CORPORATION
3BINAN_T1L1	3BINAN	EMS Land Services, Inc.
3BINAN_T1L1	3BINAN	Futaba Corporation of the Philippines
3BINAN_T1L1	3BINAN	Furukawa Electric Autoparts Phils. Inc.
3BINAN_T1L1	3BINAN	Glades International Corporation
3BINAN_T1L1	3BINAN	Gardenia Bakeries (Philippines), Inc.
3BINAN_T1L1	3BINAN	Ichinomiya Electronics Philippines Corporation
3BINAN_T1L1	3BINAN	Integrated Micro-Electronics, Inc.
3BINAN_T1L1	3BINAN	Isuzu Philippines Corporation
3BINAN_T1L1	3BINAN	Lagoon Development Corporation
3BINAN_T1L1	3BINAN	Liip Food Processing
3BINAN_T1L1	3BINAN	Lucky Nine Properties, Inc.
3BINAN_T1L1	3BINAN	Nidec Philippines Corporation
3BINAN_T1L1	3BINAN	Nissan Motor Philippines, Inc.
3BINAN_T1L1	3BINAN	OPTODEV, Inc.
3BINAN_T1L1	3BINAN	Peterbilt Realty & Development Corporation
3BINAN_T1L1	3BINAN	ROHM Electronics Philippines, Inc.
3BINAN_T1L1	3BINAN	Samsung Electronic-Mechanics Phils. Corporation
3BINAN_T1L1	3BINAN	Samsung Electro-Mechanics Philippines
3BINAN_T1L1	3BINAN	Shin-Etsu Magnetic Philippines, Inc.
3BINAN_T1L1	3BINAN	Shin-Etsu Magnetic Philippines Inc.
3BINAN_T1L1	3BINAN	SM Prime Holdings, Inc. (Calamba)
3BINAN_T1L1	3BINAN	Sagara Metro Plastics Industrial Corporation
3BINAN_T1L1	3BINAN	TCB Royal Industries, Inc.
3BINAN_T1L1	3BINAN	Toshiba Information Equipment (Philippines), Inc.
3BINAN_T1L1	3BINAN	Tsukiden Electronics Philippines, Inc.
3BINAN_T1L1	3BINAN	Joyson Safety Systems (Philippines) Corporation
3BINAN_T1L1	3BINAN	Transitions Optical Philippines, Incorporated
3BINAN_T1L1	3BINAN	Terumo Philippines Corporation
3BINAN_T1L1	3BINAN	United Laboratories, Inc.
3BINAN_T1L1	3BINAN	Universal Robina
3BINAN_T1L1	3BINAN	Atlantic Grains Inc.
3BINAN_T1L1	3BINAN	Fujitsu Die-Tech Corporation of the Philippines
3BINAN_T1L1	3BINAN	Ogino Philippines Corporation
3BINAN_T1L1	3BINAN	Shin-Etsu Magnetics Philippines Inc.

Resource Name	Station	Customer Full Name
3BINAN_T1L1	3BINAN	Walmart Ventures, Inc. (Sta. Rosa)
3BOTOCA_L01	3CALIRAY	Manila Electric Company
3BOTOCA_SS	3CALIRAY	Power Sector Assets & Liabilities Management Corporation
3CALAU_T1L1	3CALAUAN	Manila Electric Company
3CALAU_T1L1	3CALAUAN	AMS Asia Inc.
3CALAU_T1L1	3CALAUAN	Aikawa Philippines Inc.
3CALAU_T1L1	3CALAUAN	Canon Business Machines Philippines, Inc.
3CALAU_T1L1	3CALAUAN	EHS Lens Philippines, Inc.
3CALAU_T1L1	3CALAUAN	Franklin Baker Co of the Philippines
3CALAU_T1L1	3CALAUAN	Hysonic Philippines, Inc.
3CALAU_T1L1	3CALAUAN	Ibiden Philippines, Inc.
3CALAU_T1L1	3CALAUAN	IM Digital Phil Inc.
3CALAU_T1L1	3CALAUAN	Miyoshi Technologies Phils.
3CALAU_T1L1	3CALAUAN	Nanos Tech Electronics Corporation
3CALAU_T1L1	3CALAUAN	PSi Technologies, Inc.
3CALAU_T1L1	3CALAUAN	South Luzon Greenland, Inc.
3CALAU_T1L1	3CALAUAN	SM Prime Holdings, Inc. (San Pablo)
3CALAU_T1L1	3CALAUAN	B/E Aerospace B.V.
3CALAU_T1L1	3CALAUAN	Brother Industries (Philippines), Inc.
3CALAU_T1L1	3CALAUAN	Citizen Machinery Philippines, Inc.
3CALAU_T1L1	3CALAUAN	Honda Philippines, Inc.
3CALAU_T1L1	3CALAUAN	JMS Healthcare Phl., Inc.
3CALAU_T1L1	3CALAUAN	Kinpo Electronics (Phils), Inc. - FPIP
3CALAU_T1L1	3CALAUAN	Minebea Philippines, Inc.
3CALAU_T1L1	3CALAUAN	EMD Technologies Philippines, Inc.
3CALAU_T1L1	3CALAUAN	Nestle Philippines, Inc.
3CALAU_T1L1	3CALAUAN	Philippine Manufacturing Co. of Murata, Inc.
3CALAU_T1L1	3CALAUAN	Philip Morris Philippines Manufacturing, Inc.
3CALAU_T1L1	3CALAUAN	Peter Paul Coconut Water Corporation
3CALAU_T1L1	3CALAUAN	Tann Philippines, Inc.
3CALAU_T1L1	3CALAUAN	Vacuumtech Philippines, Inc.
3CALAU_T1L1	3CALAUAN	Zama Precision Industry Manufacturing Philippines, Inc.
3CALAU_T1L1	3CALAUAN	AcBel Polytech Philippines, Inc.
3CALAU_T1L1	3CALAUAN	Belmontotoku Philippines, Inc.
3CALAU_T1L1	3CALAUAN	Closure Systems International (Philippines), Inc.
3CALAU_T1L1	3CALAUAN	CPL Packaging, Inc.
3CALAU_T1L1	3CALAUAN	Cooper Industries Philippines, LLC.
3CALAU_T1L1	3CALAUAN	Citizen Finedevice Philippines Corporation
3CALAU_T1L1	3CALAUAN	Eaton Industries (Philippines), LLC, Philippine Branch.
3CALAU_T1L1	3CALAUAN	International Rice Research Institute
3CALAU_T1L1	3CALAUAN	Johanna's Chicken Processing Corporation
3CALAU_T1L1	3CALAUAN	Polytrade Sales & Services, Inc.
3CALAU_T1L1	3CALAUAN	Shimano (Philippines) Inc.
3CALAU_T1L1	3CALAUAN	Shen Long Property Management, Inc.
3CALAU_T1L1	3CALAUAN	Sonion Philippines Inc.
3CALAU_T1L1	3CALAUAN	SUNPOWER PHILIPPINES MANUFACTURING LTD. (BRANCH OFFICE)

Resource Name	Station	Customer Full Name
3CALAU_T1L1	3CALAUAN	Solar Philippines Module Manufacturing Corporation
3CALAU_T1L1	3CALAUAN	Techlog Center, Inc.
3CALI_FLECO	3CALIRAY	First Laguna Electric Cooperative, Inc.
3CALIR_TAL1	3CALIRAY	Manila Electric Company
3CALIR_TAL1	3CALIRAY	Urbanpark Inc
3CALIRY_SS	3CALIRAY	Power Sector Assets & Liabilities Management Corporation
3CLA_BCNOT	3SALONG	High Street (SPV-AMC), Inc.
3CLA_BTLEC1	3CLACA	ASEAGAS Corporation
3CLA_BTLEC1	3CLACA	Solar Philippines Calatagan Corporation
3CLA_BTLEC1	3CLACA	Batangas I Electric Cooperative, Inc.
3CLA_BTLEC1	3CLACA	Punta Fuego Village Homeowners' Association, Inc.
3CLA_BTLEC1	3CLACA	Willin Sales, Inc. (Walmart Balayan)
3CLA_BTLEC1	3CLACA	Costa Del Hamilo, Inc.
3CLA_STLCOR	3CLACA	Steel Corporation of the Philippines
3CLA_T1L1	3CLACA	Batangas I Electric Cooperative, Inc.
3CLA_T1L1	3CLACA	Batangas Coal Fired Thermal Power Plant (SLPGC)
3CLACA_SS	3CLACA	Batangas Coal Fired Thermal Power Plant
3DAR_ALECO	3DARAGA	Albay Electric Cooperative, Inc.
3DAR_ALECO	3DARAGA	Embarcadero Land Ventures, Inc.
3DAR_ALECO	3DARAGA	Pacific Mall Corporation
3DAR_ALECO	3DARAGA	Arvo Commercial Corporation
3DAR_ALECO	3DARAGA	LCC – Liberty Commercial Center Inc.
3DAR_ALECO	3DARAGA	LCC Liberty Commercial Center Inc. (LCC Mall Legazpi)
3DAR_ALECO	3DARAGA	Hong, Jucan / Yashano Mall
3DAR_SRECO2	3DARAGA	Albay Electric Cooperative, Inc.
3DAR_SRECO2	3DARAGA	Bicol Ice, Inc.
3DAR_SRECO2	3DARAGA	Goodfound Cement Corporation
3DAR_SRECO2	3DARAGA	Philippine Hydro (pH), Inc.
3DAR_STDOM	3DARAGA	National Grid Corporation of the Philippines
3DAR_STDOM	3DARAGA	Albay Electric Cooperative, Inc.
3DAR_STDOM	3DARAGA	Globe Coco Products Manufacturing Corporation
3DARAG_T1L1	3DARAGA	Sorsogon II Electric Cooperative, Inc.
3DARAG_T1L1	3DARAGA	Sorsogon I Electric Cooperative, Inc.
3DASMA_L01	3DASMA	Manila Electric Company
3DASMA_L01	3DASMA	Majestics Energy Corporation
3DASMA_L01	3DASMA	Philippine Economic Zone Authority
3DASMA_L01	3DASMA	National Grid Corporation of the Philippines
3DASMA_L01	3DASMA	Saffron Philippines, Inc.
3DASMA_L01	3DASMA	Euro-Med Laboratories Phil. Inc.
3DASMA_L01	3DASMA	Best Chemicals and Plastics, Inc.
3DASMA_L01	3DASMA	Best Rubber Corporation
3DASMA_L01	3DASMA	Dowell Container & Packaging Corporation
3DASMA_L01	3DASMA	Metalcast Corporation
3DASMA_L01	3DASMA	METS Logistics, Inc.
3DASMA_L01	3DASMA	NEW WORLD RUBBER CORPORATION
3DASMA_L01	3DASMA	Southwoods Mall, Inc.

Resource Name	Station	Customer Full Name
3DASMA_L01	3DASMA	Winsome Development Corporation
3DASMA_L01	3DASMA	Can Asia, Inc.
3DASMA_L01	3DASMA	Erly Packaging Corporation
3DASMA_L01	3DASMA	Hocheng Phils Corporation
3DASMA_L01	3DASMA	Magnolia Inc.
3DASMA_L01	3DASMA	Masterpiece Asia Properties, Inc.
3DASMA_L01	3DASMA	Masterpiece Asia Properties, Inc. (Vista Mall Tanza)
3DASMA_L01	3DASMA	Mitsuba Philippines Corporation
3DASMA_L01	3DASMA	Neltex Development Co., Inc.
3DASMA_L01	3DASMA	Omya Mineral Philippines, Inc.
3DASMA_L01	3DASMA	Purebev InterNational Corporation
3DASMA_L01	3DASMA	Purefoods Hormel Company
3DASMA_L01	3DASMA	Prime Metroestate, Inc. (SM Center Imus)
3DASMA_L01	3DASMA	Solid North Mineral Corporation
3DASMA_L01	3DASMA	Sonic Steel Industries Incorporated
3DASMA_L01	3DASMA	Somico Steel Mill Corporation
3DASMA_L01	3DASMA	Thermoware Manufacturing Corp.
3DASMA_L01	3DASMA	Ushio Philippines, Inc.
3DASMA_L01	3DASMA	Universal Robina
3DASMA_L01	3DASMA	Big Philippines Corporation
3DASMA_L01	3DASMA	Starkson Packaging, Inc.
3DASMA_L01	3DASMA	Liwayway Marketing Corporation
3DASMA_L01	3DASMA	Masterpiece Asia Properties, Inc. (Vistamall North Molino)
3DASMA_L01	3DASMA	Masterpiece Asia Properties, Inc. (All Home Kawit)
3DASMA_L01	3DASMA	Perpetual Help College of Rizal (Molino Campus)
3DASMA_L01	3DASMA	PREMIUMLINK DEVELOPMENT CORP.
3DASMA_L01	3DASMA	Tropical Star Aqua-Culture International, Inc.
3DASMA_L01	3DASMA	SM Prime Holdings, Inc. (SM Marketmall Dasmariñas)
3DASMA_L01	3DASMA	Taifini Copper & Conductor, In
3DASMA_L01	3DASMA	TOMS MANUFACTURING CORPORATION
3DASMA_L01	3DASMA	Consolidated Prime Development Corporation - SMDM (Dasma)
3DASMA_L01	3DASMA	De La Salle University - Dasmariñas
3DASMA_L01	3DASMA	De La Salle University Health Science
3DASMA_L01	3DASMA	Masterpiece Asia Properties, Inc. (Vistamall Dasmariñas)
3DASMA_L01	3DASMA	Robinsons Land Corporation
3DASMA_L01	3DASMA	General Chemicals & Resins Consortium, Inc.
3DASMA_L01	3DASMA	SM Prime Holdings, Inc. – Rosario
3DASMA_SS	3DASMAEHV	National Grid Corporation of the Philippines
3GUMAC_T1L1	3GUMACA	Quezon I Electric Cooperative, Inc.
3GUMAC_T1L2	3GUMACA	Quezon I Electric Cooperative, Inc.
3GUMAC_T1L3	3GUMACA	Quezon I Electric Cooperative, Inc.
3GUMAC_T1L3	3GUMACA	Philippine Flour Mill
3GUMAC_T1L4	3GUMACA	Quezon I Electric Cooperative, Inc.
3ILIJAN_SS	3ILIJAN	South Premiere Power Corporation
3ILIJAN_SS2	3ILIJAN	South Premiere Power Corporation
3KAL_E_T1L1	3LUMBAN	Quezon II Electric Cooperative, Inc.

Resource Name	Station	Customer Full Name
3KAL_E_T1L1	3LUMBAN	First Laguna Electric Cooperative, Inc.
3KAL_P01	3KALYAAN	CBK Kalayaan
3KAL_P02	3KALYAAN	CBK Kalayaan
3KAL_P03	3KALYAAN	CBK Kalayaan
3KAL_P04	3KALYAAN	CBK Kalayaan
3KAL_SS	3KALYAAN	CBK Kalayaan
3LABO_T1L1	3LABO	Camarines Norte Electric Cooperative, Inc.
3LABO_T1L2	3LABO	Camarines Norte Electric Cooperative, Inc.
3MAKBA_T3L1	3MKBAN-A	Ecosystem Research and Development Bureau
3MAKBA_T3L1	3MKBAN-A	Forest Products Research and Development Institute
3MAKBA_T3L1	3MKBAN-A	International Rice Research Institute
3MAKBA_T3L1	3MKBAN-A	National Grid Corporation of the Philippines
3MAKBA_T3L1	3MKBAN-A	UP Los Banos College of Agriculture
3MAKBA_T3L2	3MKBAN-A	Batangas II Electric Cooperative, Inc.
3MAKBA_T3L2	3MKBAN-A	First Industrial Township Utilities, Inc.
3MAKBA_T3L2	3MKBAN-A	Taiyo-Nippon Sanso Philippines, Inc. (Tanauan)
3MAKBA_T3L2	3MKBAN-A	Batangas Paper Corporation
3MAKBA_T3L2	3MKBAN-A	Manila Electric Company
3MAKBA_T3L2	3MKBAN-A	National Grid Corporation of the Philippines
3MAKBA_T3L2	3MKBAN-A	VICTORY MALL AND MARKET
3MAKBA_T3L2	3MKBAN-A	Willin Sales - Waltermart Tanauan
3MKBNA_SS	3MKBAN-A	AP Renewables Inc.
3MKBNB_SS	3MKBAN-B	AP Renewables Inc.
3MKBNC_SS	3MKBAN-C	AP Renewables Inc.
3MKBND_SS	3MKBAN-D	AP Renewables Inc.
3MKBNE_SS	3MKBAN-A	AP Renewables Inc.
3MLAYA_SS	3MLAYA	KEPHILCO Malaya Thermal Power Plant
3MLAYA_T2L1	3MLAYA	Manila Electric Company
3MLAYA_T2L2	3MLAYA	Manila Electric Company
3NAG_CSRC2B	3NAGA	Camarines Sur II Electric Cooperative, Inc.
3NAG_CSRC01	3NAGA	Camarines Sur I Electric Cooperative, Inc.
3NAG_CSRC02	3NAGA	Camarines Sur II Electric Cooperative, Inc.
3NAG_CSRC02	3NAGA	Licomcen Inc. (LCC Mall Naga)
3NAG_CSRC02	3NAGA	SM Prime Holdings, Inc. (SM Naga)
3NAG_CSRC02	3NAGA	Masterpiece Asia Properties, Inc. (Vista Mall Naga)
3NAG_CSRC02	3NAGA	Robinsons Land Corporation – Naga
3NAG_CSRC03	3NAGA	Albay Electric Cooperative, Inc.
3NAG_CSRC03	3NAGA	Camarines Sur III Electric Cooperative, Inc.
3NAG_CSRC03	3NAGA	Gallintina Industria Corporacion
3NAG_CSRC03	3NAGA	People's Energy Services, Inc.
3NAG_CSRC04	3NAGA	Strategic Power Development Corporation
3NAG_CSRC04	3NAGA	Camarines Sur II Electric Cooperative, Inc.
3NAG_CSRC04	3NAGA	Camarines Sur IV Electric Cooperative, Inc.
3NAG_CSRC04	3NAGA	Partido Rice Mill Corporation
3ORMAT_SS	3MKBAN-A	AP Renewables, Inc. - Customer
3ORMAT_SS	3MKBAN-A	AP Renewables Inc.

Resource Name	Station	Customer Full Name
3PGBIL_SS1	3PGBILAO	Pagbilao Coal Fired Thermal Power Plant
3PGBIL_SS2	3PGBILAO	Manila Electric Company
3PGBIL_SS2	3PGBILAO	Pagbilao Coal Fired Thermal Power Plant
3SBPL_L01	3MAUBAN	San Buenaventura Power Ltd. Co.
3SLPGC_SS	3SLPGC	Southwest Luzon Power Generation Corporation
3SLTEC_SS	3SALONG	South Luzon Thermal Energy Corporation
3SNGAB_S01	3STARITA	First Natgas Power Corporation
3STAR_SS1	3STARITA	First Gas Power Corporation
3STAR_SS2	3STARITA	First Gas Power Corporation
3STAR_SS3	3STARITA	First Gas Power Corporation
3STAR_SS4	3STARITA	First Gas Power Corporation
3STAR_SS5	3STARITA	FGP Corporation
3STAR_SS6	3STARITA	FGP Corporation
3STROS_T1L1	3STROSA	Manila Electric Company
3STROS_T1L1	3STROSA	Amkor Technology Philippines, Inc.
3STROS_T1L1	3STROSA	Astec Power Philippines, Inc.
3STROS_T1L1	3STROSA	Microchip Technology Operations (Philippines) Corporation
3STROS_T1L1	3STROSA	Asian Transmission Corporation
3STROS_T1L1	3STROSA	Automated Technology (Phil.), Inc.
3STROS_T1L1	3STROSA	Anglo Watsons Glass, Inc.
3STROS_T1L1	3STROSA	Concepcion Durables, Inc.
3STROS_T1L1	3STROSA	Coca-cola Bottlers Philippines, Inc.
3STROS_T1L1	3STROSA	Daiho Philippines, Inc.
3STROS_T1L1	3STROSA	D&L Polymer and Colours, Inc.
3STROS_T1L1	3STROSA	Enkei Philippines, Inc.
3STROS_T1L1	3STROSA	Fuji Electric Philippines, Inc.
3STROS_T1L1	3STROSA	Fedco Paper Corporation
3STROS_T1L1	3STROSA	First Sumiden Circuits, Inc.
3STROS_T1L1	3STROSA	Denso Ten Philippines Corporation
3STROS_T1L1	3STROSA	Genosi, Inc.
3STROS_T1L1	3STROSA	HGST Philippines Corp.
3STROS_T1L1	3STROSA	Isuzu Autoparts Manufacturing Corporation
3STROS_T1L1	3STROSA	IONICS EMS, INC.
3STROS_T1L1	3STROSA	Interphil Laboratories, Inc.
3STROS_T1L1	3STROSA	Integrated Micro-Electronics, Inc.
3STROS_T1L1	3STROSA	JX Nippon Mining & Metals Phils. Inc.
3STROS_T1L1	3STROSA	Laguna Autoparts Manufacturing Corporation
3STROS_T1L1	3STROSA	Macro Ind I Packaging Products Corp.
3STROS_T1L1	3STROSA	Mitsubishi Motors Philippines Corporation
3STROS_T1L1	3STROSA	Manila Cordage Company
3STROS_T1L1	3STROSA	Mega Packaging Corporation
3STROS_T1L1	3STROSA	NXP Semiconductors Cabuyao, Inc.
3STROS_T1L1	3STROSA	Philippine Auto Components
3STROS_T1L1	3STROSA	Pepsi-Cola Products Philippines, Inc.
3STROS_T1L1	3STROSA	Polyfoam-RGC International Corporation
3STROS_T1L1	3STROSA	Procter & Gamble Phils. Inc.

Resource Name	Station	Customer Full Name
3STROS_T1L1	3STROSA	Pepmaco Manufacturing Corporation
3STROS_T1L1	3STROSA	Plastmann Industrial Corporation
3STROS_T1L1	3STROSA	Panasonic Manufacturing Philip
3STROS_T1L1	3STROSA	Premium Plastic Group Mfg. Corp.
3STROS_T1L1	3STROSA	Pricon Microelectronics, Inc.
3STROS_T1L1	3STROSA	Remec Broadband Wireless International Inc.
3STROS_T1L1	3STROSA	San Miguel Yamamura Packaging Corporation
3STROS_T1L1	3STROSA	Shindengen Philippines Corporation
3STROS_T1L1	3STROSA	SPI Corporation
3STROS_T1L1	3STROSA	TDK Philippines Corporation
3STROS_T1L1	3STROSA	Tong Hsing Electronics Philippines, Inc.
3STROS_T1L1	3STROSA	Toshiba Information Equipment (Philippines), Inc.
3STROS_T1L1	3STROSA	Universal Robina Corporation
3STROS_T1L1	3STROSA	Wyeth Philippines, Inc.
3STROS_T1L1	3STROSA	Zesto Corporation
3STROS_T1L1	3STROSA	Zenith Foods Corporation
3STROS_T1L1	3STROSA	Aichi Forge Philippines, Inc.
3STROS_T1L1	3STROSA	Avon Products Manufacturing Inc.
3STROS_T1L1	3STROSA	Cirtek Electronics Corporation
3STROS_T1L1	3STROSA	Cayon Holdings, Inc.
3STROS_T1L1	3STROSA	Honda Cars Philippines, Inc.
3STROS_T1L1	3STROSA	Honda Parts Manufacturing Corporation
3STROS_T1L1	3STROSA	James Hardie Philippines, Inc.
3STROS_T1L1	3STROSA	Masterpiece Asia Properties, Inc. (Vistamall Sta. Rosa)
3STROS_T1L1	3STROSA	Nidec Philippines Corporation
3STROS_T1L1	3STROSA	Philippine Spring Water Resources
3STROS_T1L1	3STROSA	Samsung Electro-Mechanics Phils. Corp
3STROS_T1L1	3STROSA	Soltea Commercial Corporation
3STROS_T1L1	3STROSA	Toyota Autoparts Phils. Inc.
3STROS_T1L1	3STROSA	Toyota Motor Philippines Corporation
3STROS_T1L1	3STROSA	ARC Refreshments Corporation
3STROS_T1L1	3STROSA	Baxter Healthcare Philippines
3STROS_T1L1	3STROSA	Daiho (Phils.) Inc.
3STROS_T1L1	3STROSA	Del Monte Philippines, Inc.
3STROS_T1L1	3STROSA	Excelitas Technologies Philippines, Inc.
3STROS_T1L1	3STROSA	EMS Land Services Inc.
3STROS_T1L1	3STROSA	Ebara Pumps Philippines, Inc.
3STROS_T1L1	3STROSA	FCC (Philippines) Corporation
3STROS_T1L1	3STROSA	Fastech Electronique Inc.
3STROS_T1L1	3STROSA	Goshi Philippines, Incorporated
3STROS_T1L1	3STROSA	Gotoh Philippines Corporation
3STROS_T1L1	3STROSA	Laguna Metts Corporation
3STROS_T1L1	3STROSA	Mioka Biosystems Corporation
3STROS_T1L1	3STROSA	Miyasaka Polymer (Phils.), Inc.
3STROS_T1L1	3STROSA	MAGNATE FOOD AND DRINK INC.
3STROS_T1L1	3STROSA	NIDEC SANKYO PHILIPPINES CORPORATION

Resource Name	Station	Customer Full Name
3STROS_T1L1	3STROSA	Nutri-Asia Inc. (Cabuyao Plant)
3STROS_T1L1	3STROSA	Shin-Etsu Magnetics Philippines Inc.
3STROS_T1L1	3STROSA	SIIX Coxon Precision Phils., Inc.
3STROS_T1L1	3STROSA	SIIX EMS Philippines, Inc.
3STROS_T1L1	3STROSA	SOUTHERN LUZON HOSPITAL & MEDICAL CENTER, INC.
3STROS_T1L1	3STROSA	SUNPOWER PHILIPPINES MANUFACTURING LTD. (BRANCH OFFICE)
3STROS_T1L1	3STROSA	Surtec Phils., Inc.
3STROS_T1L1	3STROSA	Silgan White Cap South East Asia
3STROS_T1L1	3STROSA	Telstar Manufacturing Corp.
3STROS_T1L1	3STROSA	Toyo-Ink Compounds Corporation
3STROS_T1L1	3STROSA	Willin Sales, Inc. (Sta. Rosa Bel-Air)
3STROS_T1L1	3STROSA	Zenith Foods Corporation (Zen3)
3STROS_T1L1	3STROSA	Zenith Foods Corporation (Zen8)
3TAYAB_SS	3TAYABEHV	National Grid Corporation of the Philippines
3TAYAB_T1L1	3TAYABAS	Manila Electric Company
3TAYAB_T1L1	3TAYABAS	Empire Oil Integrated Manufacturing Corporation
3TAYAB_T1L1	3TAYABAS	Metro Retail Stores Group, Inc. (Lucena)
3TAYAB_T1L1	3TAYABAS	Pacific Mall Corporation
3TAYAB_T1L1	3TAYABAS	Primex Coco Products Inc.
3TAYAB_T1L1	3TAYABAS	SM Prime Holdings, Inc. - SMLC (Lucena)
3TAYAB_T1L1	3TAYABAS	Superstar Coconut
3TAYAB_T1L1	3TAYABAS	Tantuco Enterprises Ltd
3TAYAB_T1L1	3TAYABAS	Tongsan Industrial Development Corporation
3TAYAB_T1L1	3TAYABAS	Unideco Consolidated Mfg., Inc.
3TIWIA_SS	3TIWI-A	Albay Electric Cooperative, Inc.
3TIWIA_SS	3TIWI-A	Albay Agro-Industrial Development Corporation
3TIWIA_SS	3TIWI-A	Tabaco Liberty Commercial Center Inc.
3TIWIC_SS	3TIWI-C	AP Renewables Inc.

7.7. Visayas MNM Load Resources

The following table shows the list of Visayas load resources modeled in the MNM alongside the description of the feeder/customer that it directly represents using real-time data.

Trading Node	Description
4BABAT_T1L1	Babatngon substation ⁶
4BAGLI_T1L1	Sta Rita substation ⁶
4CLBYOG_L01	Calbayog substation ⁶
4CLBYOG_L02	Calbayog substation ⁶
4ISABE_T1L1	Isabel substation to Leyte V Electric Cooperative 69 kV load
4ISABE_T2L1	Isabel substation ⁶
4ISABE_T3L1	Isabel substation ⁶
4ISABE_T4L2	Isabel substation ⁶
4ISABE_T5L2	Isabel substation ⁶
4LEYTE_S01	Central substation ⁶
4MAASI_T1L1	Maasin substation ⁶
4MAASI_T2L2	Maasin substation ⁶
4ORMOC_T2L1	Ormoc substation ⁶
4ORMOC_T2L2	Ormoc substation to Baybay 69 kV load
4TABAN_T1L1	Tabango substation to Leyte V Electric Cooperative 69 kV load
4WRIGH_T1L1	Paranas substation ⁶
4WRIGH_T2L2	Paranas substation ⁶
5BANIL_T1L1	Cebu substation to Mabolo 69 kV load
5BANIL_T1L2	Banilad substation ⁶
5CEMEX_L01	Colon substation ⁶
5COMPS_T1L1	Compostela substation ⁶
5COMPS_T2L2	Compostela substation to Consolacion 69 kV load
5MCTAN_T1L1	Lapu-lapu substation ⁶
5MNDUE_T1L1	Mandaue substation to VECO 69 kV load
5NAGA_T1L1	Naga substation ⁶
5NAGA_T2L2	Naga substation ⁶
5NNAGVE_L01	Colon substation ⁶
5QUIOT_T1L1	Quiot substation ⁶
5SAMB_L01	Samboan substation ⁶
5SAMB_L02	Samboan substation ⁶
5TALAV_T1L1	Calung substation ⁶
5TOL_CARMEN	Toledo substation ⁶
5TPC_S01	Toledo substation ⁶
5TPC_S02	Toledo substation ⁶
6AMLAN_T1L1	Amlan substation to Bindoy 69 kV load
6AMLAN_T2L2	Amlan substation ⁶
6BACOL_T1L1	Bacolod substation ⁶
6BACOL_T1L2	Bacolod substation to San Enrique 69 kV load

⁶ subject to further changes

Trading Node	Description
6BACOL_T2L2	Bacolod substation ⁶
6BACOL_T3L3	Bacolod substation ⁷
6CADIZL_T1L1	Cadiz substation to Victorias 69 kV load
6CADIZL_T1L2	Cadiz substation to Tinampaan 69 kV load
6CADIZL_T1L3	Cadiz substation ⁷
6HELIOS_S01	Helios substation ⁷
6KABAN_L01	Station Use for Kabankalan Energy Storage Plant
6KABAN_T1L1	Kabankalan substation to Sipalay 69 kV load
6KABAN_T2L2	Kabankalan substation ⁷
6MABIN_T1L1	Mabinay substation to Bayawan 69 kV load
6MABIN_T2L2	Mainat substation to Uiversal Robina Corp 69 kV load
7BOHOL_T1L1	Bohol substation ⁷
7BOHOL_T4L4	Bohol substation ⁷
7COREL_T1L1	Corella substation to Catigbian 69 kV load
7COREL_T1L2	Corella substation ⁷
7UBAY_T1L1	Ubay substation to Carmen 69 kV load
7UBAY_T2L2	Ubay substation ⁷
7UBAY_T3L3	Ubay substation ⁷
8CONCP_T1L1	Concepcion substation ⁷
8DINGL_T1L1	Concepcion substation ⁷
8DINGL_T1L2	Dingle substation to Calinog 69 kV load
8DINGL_T1L3	Dingle substation ⁷
8DINGL_T1L4	Dingle substation ⁷
8DINGL_T2L1	Dingle substation ⁷
8DINGL_T2L2	Dingle substation ⁷
8NABAS_L01	Nabas substation to Caticlan 69 kV load
8NABAS_L02	Nabas substation to Panit-an 69 kV load
8NABAS_L03	Nabas substation ⁷
8PALM_S01	Concepcion substation ⁷
8PANIT_T1L1	Panit-an substation ⁷
8PANIT_T2L2	Panit-an substation ⁷
8PDPP3_S01	Dingle substation ⁷
8PEDC_T1L1	Iloilo 1 substation ⁷
8SNJOSE_L01	San Jose substation to de Buenvista 69 kV load
8STBAR_T1L1	Sta Barbara substation ⁷
8STBAR_T2L2	Sta Barbara substation ⁷
8STBAR_T3L3	Buenavista substation ⁷

⁷ subject to further changes

7.8. Visayas MNM Generator Resources

The following table shows the list of Visayas generator resources modeled in the MNM.

Resource Name	Description	Station	Trading Participant
4IASMOD_G01	Isabel Ancillary Services Co. Sector 1	4ISABEL	Isabel Ancillary Services Co.
4IASMOD_G02	Isabel Ancillary Services Co. Sector 2	4ISABEL	Isabel Ancillary Services Co.
4IASMOD_G03	Isabel Ancillary Services Co. Sector 3	4ISABEL	Isabel Ancillary Services Co.
4IASMOD_G04	Isabel Ancillary Services Co. Sector 4	4ISABEL	Isabel Ancillary Services Co.
4IASMOD_G05	Isabel Ancillary Services Co. Sector 5	4ISABEL	Isabel Ancillary Services Co.
4IASMOD_G06	Isabel Ancillary Services Co. Sector 6	4ISABEL	Isabel Ancillary Services Co.
4LEYTE_A	Leyte A	4CENTRAL	Power Sector Assets & Liabilities Management Corporation
4LGPP_G01	Tongonan Geothermal Power Plant	4TONGONA	Green Core Geothermal, Inc.
4PHSOL_G01	PSFLI Solar Power Plant	4ORMOC	Phil. Solar Farm - Leyte, Inc.
4SEPSOL_G01	SEPALCO Solar Farm	4ORMOC	Sulu Electric Power and Light (Phils.), Inc.
5CEDC_U01	CEDC Coal-Fired Thermal Power Plant Unit 1	5CEDC	Cebu Energy Development Corporation
5CEDC_U02	CEDC Coal-Fired Thermal Power Plant Unit 2	5CEDC	Cebu Energy Development Corporation
5CEDC_U03	CEDC Coal-Fired Thermal Power Plant Unit 3	5CEDC	Cebu Energy Development Corporation
5CPPC_G01	CPPC Diesel Power Plant	5QUIOT	Cebu Private Power Corporation
5EAUC_G01	EAUC Diesel Power Plant	5LAPULAPU	East Asia Utilities Corporation
5KSPC_G01	KSPC Coal Fired Thermal Power Plant Unit 1	5KSPC	KEPCO SPC Power Corporation
5KSPC_G02	KSPC Coal Fired Thermal Power Plant Unit 2	5KSPC	KEPCO SPC Power Corporation
5PHNPB3_G01	Power Barge 103	5LAPULAPU	Phinma Energy Corporation
5TOLSOL_G01	First Toledo Solar Power Plant	5CALUNG	First Toledo Solar Energy Corporation
5THERMA_U01	Therma Visayas Coal Fired Power Plant Unit 1	5THERMA	Therma Visayas Incorporated
5THERMA_U02	Therma Visayas Coal Fired Power Plant Unit 2	5THERMA	Therma Visayas Incorporated
5TPC_G01	TPC Carmen Diesel Power Plant	5TOLEDO	Toledo Power Company
5TPC_G02	TPC Sangi Coal-Fired Thermal Power Plant	5TOLEDO	Toledo Power Company
5TPVI_U01	Naga (TPVI) Diesel Power Plant Unit 1	5NAGA	Therma Power Visayas Inc.
5TPVI_U02	Naga (TPVI) Diesel Power Plant Unit 2	5NAGA	Therma Power Visayas Inc.
5TPVI_U03	Naga (TPVI) Diesel Power Plant Unit 3	5NAGA	Therma Power Visayas Inc.
5TPVI_U04	Naga (TPVI) Diesel Power Plant Unit 4	5NAGA	Therma Power Visayas Inc.
5TPVI_U05	Naga (TPVI) Diesel Power Plant Unit 5	5NAGA	Therma Power Visayas Inc.

Resource Name	Description	Station	Trading Participant
5TPVI_U06	Naga (TPVI) Diesel Power Plant Unit 6	5NAGA	Therma Power Visayas Inc.
6AMLA_G01	Amlan Hydro Electric Power Plant	6AMLAN	Amlan Hydroelectric Power Corporation
6BISCOM_G01	BISCOM Biomass Cogeneration Plant	6KABANKALAN	BISCOM Biomass Cogeneration Plant
6CABI_G01	Central Azucarera De Bais	6AMLAN	Central Azucarera De Bais Inc.
6CARSOL_G01	Islasol II Solar Power Plant	6BACOLOD	Negros Island Solar Power Inc.
6CENPRI_U01	Calumangan Diesel Power Plant Unit 1	6BACOLOD	Central Negros Power Reliability, Inc.
6CENPRI_U02	Calumangan Diesel Power Plant Unit 2	6BACOLOD	Central Negros Power Reliability, Inc.
6CENPRI_U03	Calumangan Diesel Power Plant Unit 3	6BACOLOD	Central Negros Power Reliability, Inc.
6CENPRI_U04	Calumangan Diesel Power Plant Unit 4	6BACOLOD	Central Negros Power Reliability, Inc.
6CENPRI_U05	Calumangan Diesel Power Plant Unit 5	6BACOLOD	Central Negros Power Reliability, Inc.
6FFHC_G01	FFHC Co-Generation Bagasse-Fired Power Plant	6CADIZ	First Farmers Holding Corporation
6HELIOS_G01	Cadiz Solar Farm	6HELIOS	Helios Solar Energy Corporation
6HPCO_G01	HPCO-Cogeneration Biomass Power Plant Unit 1	6CADIZ	Hawaiian-Philippine Company
6HPCO_G02	HPCO-Cogeneration Biomass Power Plant Unit 2	6CADIZ	Hawaiian-Philippine Company
6KABAN_BAT	Kabankalan Battery Energy Storage System	6KBANBESS	SMCGP Philippines Energy Storage Co. Ltd
6MANSOL_G01	Islasol III Solar Power Plant	6CADIZ	Negros Island Solar Power Inc.
6NTNEGB_G01	Northern Negros Bio Power	6CADIZ	Northern Negros Bio Power
6MNTSOL_G01	Bais Solar Power Plant	6AMLAN	Monte Solar Energy, Inc.
6NASULO_G01	Nasulo Geothermal Power Plant	6PGPP2	Energy Development Corporation
6PAL1A_G01	Palinpinon Geothermal Power Plant I	6PGPP1	Green Core Geothermal, Inc.
6PAL2A_U01	Palinpinon Geothermal Power Plant II - Sogongon 1	6PGPP2	Green Core Geothermal, Inc.
6PAL2A_U02	Palinpinon Geothermal Power Plant II - Sogongon 2	6PGPP2	Green Core Geothermal, Inc.
6PAL2A_U03	Palinpinon Geothermal Power Plant II - Okoy 5	6PGPP2	Green Core Geothermal, Inc.
6PAL2A_U04	Palinpinon Geothermal Power Plant II - Nasuji	6PGPP2	Green Core Geothermal, Inc.
6SACASL_G01	Phase 1A & 1B Solar Power Plant	6CADIZ	San Carlos Solar Energy Inc.
6SACASL_G02	Phase 1 C & D Solar Power Plant	6CADIZ	San Carlos Solar Energy Inc.
6SACSUN_G01	San Carlos Sun Power Solar Plant	6CADIZ	San Carlos Sun Power Inc.
6SCBE_G01	Bagasse-Fired Cogeneration Power Plant	6CADIZ	San Carlos Bioenergy, Inc.
6SCBIOP_G01	San Carlos Biomass Power Plant	6CADIZ	San Carlos Biopower Inc.
6SLYSOL_G01	Silay Solar Power Plant	6BACOLOD	Silay Solar Power, Inc.
6STNEGB_G01	Southern Negros Bio Power	6CADIZ	Southern Negros Bio Power
6URC_G01	URC Bagasse-Fired Biomass	6MABINAY	Universal Robina Corporation

Resource Name	Description	Station	Trading Participant
	Power Plant		
6VMC_G01	VMC Thermal (Biomass) Power Plant	6CADIZ	Victorias Milling Company, Inc.
6VMC_G02	VMC Thermal (Biomass) Power Plant	6BACOLOD	Victorias Milling Company, Inc.
7BDPP_G01	Bohol Diesel Power Plant	7CORELLA	SPC Island Power Corporation
7JANOPO_G01	Janopol Mini Hydro Power Plant	7CORELLA	Bohol I Electric Cooperative, Inc. - Janopol Mini Hydro Power Corporation
7LOBOC_G01	Loboc Hydro Electric Power Plant	7CORELLA	Sta. Clara Power Corporation
7LOBOC_G02	Loboc Hydro Electric Power Plant 2	7CORELLA	Sta. Clara Power Corporation
7SEVILL_G01	BOHECO 1 Sevilla Mini Hydro Corporation	7CORELLA	Bohol I Electric Cooperative, Inc. - Sevilla Mini Hydro Corporation
7TAPAL_PB4	Power Barge 104	7TAPAL	SPC Power Corporation
8CASA_G01	CASA Biomas Co-Generation Power Plant	8DINGLE	Central Azucarera de San Antonio
8COSMO_G01	Cosmo Solar Power Plant	8SNJOSE	Cosmo Solar Energy, Inc.
8GLOBAL_G01	Nabas Diesel Power Plant	8NABAS	Panay Power Corporation
8PALM_G01	135 MW CIRCULATING FLUIDIZED ED COMBUSTION COAL-FIRED POWER PLANT	8CONCEPCION	Palm Concepcion Power Corporation
8PDPP_G01	Panay Diesel Power Plant Unit 1	8DINGLE	SPC Island Power Corporation
8PDPP3_G01	Panay Diesel Power Plant Unit 3	8DINGLE	SPC Island Power Corporation
8PEDC_U01	PEDC Coal-Fired Thermal Power Plant Unit 1	8ILOILO1	Panay Energy Development Corporation
8PEDC_U02	PEDC Coal-Fired Thermal Power Plant Unit 2	8ILOILO1	Panay Energy Development Corporation
8PEDC_U03	PEDC Coal-Fired Thermal Power Plant Unit 3	8ILOILO1	Panay Energy Development Corporation
8PPC_G02	Panay Power Corporation 2	8ILOILO1	Panay Power Corporation
8PPC1_A	Panay Power Corporation 1 – Block A	8ILOILO1	Panay Power Corporation
8PPC1_B	Panay Power Corporation 1 – Block B	8ILOILO1	Panay Power Corporation
8PWIND_G01	PWEI Nabas Wind Power Plant	8NABAS	PetroWind Energy Inc.
8SLWIND_G01	San Lorenzo Wind Power Plant	8BVISTA	PHINMA Renewable Energy Corporation
8STBAR_PB	Power Barge 101	8STBARBRA	Phinma Energy Corporation
8STBAR_PB2	Power Barge 102	8STBARBRA	Phinma Energy Corporation
8SUWECO_G01	Villasiga 1 Hydropower Plant	8STBARBRA	Sunwest Water and Electric Company 2, Inc.

7.9. Mapping of Customers to MNM Load Resources in Visayas

The following table shows the list of customers mapped to the Visayas load resources.

Resource Name	Station	Customer Full Name
4BABAT_T1L1	4BABATNGN	Leyte II Electric Cooperative, Inc.
4BABAT_T1L1	4BABATNGN	Robinsons Land Corporation (Tacloban)
4BABAT_T1L1	4BABATNGN	TBK Manufacturing Corporation
4BAGLI_T1L1	4STARITA	Samar II Electric Cooperative, Inc.
4CLBYOG_L01	4CALBAYOG	Samar I Electric Cooperative, Inc.
4CLBYOG_L02	4CALBAYOG	Northern Samar Electric Cooperative, Inc.
4CLBYOG_L02	4CALBAYOG	Samar I Electric Cooperative, Inc.
4CLBYOG_L02	4CALBAYOG	Samar Coco Products Manufacturing Corporation
4ISABE_T1L1	4ISABEL	Isabel Ancillary Services Co. Ltd.
4ISABE_T1L1	4ISABEL	Leyte V Electric Cooperative, Inc.
4ISABE_T1L1	4ISABEL	LIDE Management Corporation
4ISABE_T2L1	4ISABEL	Philippine Associated Smelting & Refining Corporation
4ISABE_T3L1	4ISABEL	Philippine Associated Smelting & Refining Corporation
4ISABE_T4L2	4ISABEL	Philippine Phosphate Fertilizer Corporation
4ISABE_T5L2	4ISABEL	Philippine Phosphate Fertilizer Corporation
4LEYTE_S01	4KANANGA	Power Sector Assets & Liabilities Management Corporation
4MAASI_T1L1	4MAASIN	Leyte IV Electric Cooperative, Inc.
4MAASI_T2L2	4MAASIN	Southern Leyte Electric Cooperative, Inc.
4ORMOC_T2L1	4ORMOC	Biliran Electric Cooperative, Inc.
4ORMOC_T2L1	4ORMOC	Don Orestes Romualdez Cooperative, Inc.
4ORMOC_T2L1	4ORMOC	Leyte III Electric Cooperative, Inc.
4ORMOC_T2L1	4ORMOC	Leyte V Electric Cooperative, Inc.
4ORMOC_T2L1	4ORMOC	First Soleq Energy Corporation
4ORMOC_T2L1	4ORMOC	Tacloban Oil Mills, Inc.
4ORMOC_T2L2	4ORMOC	Leyte IV Electric Cooperative, Inc.
4ORMOC_T2L2	4ORMOC	Leyte V Electric Cooperative, Inc.
4ORMOC_T2L2	4ORMOC	Lide Management Corporation
4ORMOC_T2L2	4ORMOC	SC Global Coco Products
4ORMOC_T2L2	4ORMOC	Specialty Pulp Manufacturing, Inc.
4ORMOC_T2L2	4ORMOC	Visayan Oil Mills, Inc.
4ORMOC_T2L2	4ORMOC	Pulp Specialties Philippines, Inc.
4TABAN_T1L1	4TABANGO	Leyte V Electric Cooperative, Inc.
4WRIGH_T1L1	4PARANAS	Samar II Electric Cooperative, Inc.
4WRIGH_T2L2	4PARANAS	Eastern Samar Electric Cooperative, Inc.
5BANIL_T1L1	5CEBU	Visayan Electric Company
5BANIL_T1L1	5CEBU	Keppel Center Condominium Corporation
5BANIL_T1L1	5CEBU	Lexmark Research & Development Corporation – Plaza 1
5BANIL_T1L1	5CEBU	Lexmark Research & Development Corporation – Plaza 2
5BANIL_T1L1	5CEBU	Shoemart Incorporated M2
5BANIL_T1L1	5CEBU	Shoemart Incorporated M2 (Meter 2)
5BANIL_T1L1	5CEBU	The Insular Life Assurance Company, Ltd. - Cebu
5BANIL_T1L1	5CEBU	Treasure Island Industrial Corp. (Chemical Plant)

Resource Name	Station	Customer Full Name
5BANIL_T1L1	5CEBU	Choa Manuel G.
5BANIL_T1L1	5CEBU	Sykes Asia, Inc.
5BANIL_T1L1	5CEBU	Worldwide Steel Group Incorporated
5BANIL_T1L1	5CEBU	San Miguel Corporation
5BANIL_T1L2	5CEBU	Visayan Electric Company
5BANIL_T1L2	5CEBU	Ayala Center Cebu Holding, Inc.
5BANIL_T1L2	5CEBU	Ayala Center Cebu Holding, Inc. M2
5BANIL_T1L2	5CEBU	Asian I-Office Properties, Inc. (Ebloc1)
5BANIL_T1L2	5CEBU	Asian I-Office Properties, Inc. (Ebloc2)
5BANIL_T1L2	5CEBU	Anilson Packaging Solutions, Inc.
5BANIL_T1L2	5CEBU	Cebu Holdings, Inc. Ph 2-B Mall Expansion, Ayala Center, Cebu
5BANIL_T1L2	5CEBU	Cebu Holdings, Inc.
5BANIL_T1L2	5CEBU	Cebu Holdings Inc. (ALAI-FGU)
5BANIL_T1L2	5CEBU	Cebu Insular Hotel Co., Inc.
5BANIL_T1L2	5CEBU	Grand Cenia Condominium Corporation
5BANIL_T1L2	5CEBU	Globe Telecom, Inc.
5BANIL_T1L2	5CEBU	Lucky Group Management and Development Corporation
5BANIL_T1L2	5CEBU	Metro Retail Stores Group, Inc.
5BANIL_T1L2	5CEBU	Philippine Integrated Energy Solutions, Inc.
5BANIL_T1L2	5CEBU	Primary Properties Corp. i2 & i3
5BANIL_T1L2	5CEBU	Primary Properties Corp. i1
5BANIL_T1L2	5CEBU	Skyrise Realty & Development Corporation – Skyrise 1
5BANIL_T1L2	5CEBU	Skyrise Realty & Development Corporation – Skyrise 2
5BANIL_T1L2	5CEBU	TG Universal Business Venture Corporation
5BANIL_T1L2	5CEBU	University of San Carlos
5BANIL_T1L2	5CEBU	Waterfront Cebu City Hotel & Casino, Inc.
5CDPPI_SS1	5NAGA	Therma Power Visayas, Inc.
5CDPPI_SS2	5NAGA	Therma Power Visayas, Inc.
5CEDC_SS	5CEDC	Cebu Energy Development Corporation
5CEMEX_L01	5COLON	National Grid Corporation of the Philippines
5CEMEX_L01	5COLON	Therma Visayas, Inc.
5COMPS_T1L1	5COMPSTLA	Cebu II Electric Cooperative, Inc.
5COMPS_T1L1	5COMPSTLA	Virgina Food, Inc. - Processing Plant
5COMPS_T1L1	5COMPSTLA	Cebu Manila Water Development, Inc.
5COMPS_T1L1	5COMPSTLA	Multipack Manufacturing Corporation
5COMPS_T1L1	5COMPSTLA	Cebu Mitsumi, Inc.
5COMPS_T1L1	5COMPSTLA	Republic Cement & Building Materials, Inc.
5COMPS_T1L1	5COMPSTLA	Shemberg Biotech Corporation
5COMPS_T2L2	5COMPSTLA	Cebu II Electric Cooperative, Inc.
5COMPS_T2L2	5COMPSTLA	Visayan Electric Company
5KSPC_SS1	5KSPC	KEPCO SPC Power Corporation
5KSPC_SS2	5KSPC	KEPCO SPC Power Corporation
5MCTAN_T1L1	5LAPULAPU	Philippine Economic Zone Authority
5MCTAN_T1L1	5LAPULAPU	General Milling Corporation
5MCTAN_T1L1	5LAPULAPU	Mactan Electric Company
5MCTAN_T1L1	5LAPULAPU	Waterfront Mactan Casino Hotel, Inc.

Resource Name	Station	Customer Full Name
5MCTAN_T1L1	5LAPULAPU	Mactan Enerzone Corporation
5MCTAN_T1L1	5LAPULAPU	Phinma Energy Corporation
5MCTAN_T1L1	5LAPULAPU	National Grid Corporation of the Philippines
5MCTAN_T1L1	5LAPULAPU	Cebu Toyo Corporation
5MCTAN_T1L1	5LAPULAPU	DRAKA Philippines, Incorporated
5MCTAN_T1L1	5LAPULAPU	Funai Electric Cebu, Inc.
5MCTAN_T1L1	5LAPULAPU	Makoto Metal Technology, Inc. (Plant 1)
5MCTAN_T1L1	5LAPULAPU	NKC Manufacturing Philippines Corporation
5MCTAN_T1L1	5LAPULAPU	Taipan Development Inc. (Gaisano Mactan)
5MCTAN_T1L1	5LAPULAPU	Metro Retail Stores Group, Inc. (Formerly Vicsal)
5MCTAN_T1L1	5LAPULAPU	Fareast Noble House Inc. – Gaisano Grand Mall Mactan
5MCTAN_T1L1	5LAPULAPU	Knowles Electronics Philippines
5MCTAN_T1L1	5LAPULAPU	Philippine BXT Corporation (Jpark Island Resort)
5MCTAN_T1L1	5LAPULAPU	Teradyne Phils. Ltd.
5MCTAN_T1L1	5LAPULAPU	Mactan Shangri-La Hotel & Resort, Inc.
5MCTAN_T1L1	5LAPULAPU	Mactan Seascapes Services Inc.
5MCTAN_T1L1	5LAPULAPU	Oikonomos International Resources Corp.
5MCTAN_T1L1	5LAPULAPU	GMR Megawide Cebu Airport Corporation
5MNDUE_T1L1	5MANDAUE	Visayan Electric Company
5MNDUE_T1L1	5MANDAUE	Oakridge Realty Development Corporation
5MNDUE_T1L1	5MANDAUE	Phil. Spring Water Resources, Inc.
5MNDUE_T1L1	5MANDAUE	Fareast Noble House Inc. – Gaisano Grand Liloan
5MNDUE_T1L1	5MANDAUE	Lockheart Management Dev't Corp.
5MNDUE_T1L1	5MANDAUE	Golden Great Value Properties, Inc.
5MNDUE_T1L1	5MANDAUE	Shogun Management and Development Corporation – Gaisano Grand Mandaue
5MNDUE_T1L1	5MANDAUE	University of Cebu Medical Center Inc.
5MNDUE_T1L2	5MANDAUE	Visayan Electric Company
5MNDUE_T1L2	5MANDAUE	A.D. Gothong Manufacturing Corporation
5MNDUE_T1L2	5MANDAUE	Coca-Cola FEMSA Philippines, Inc. – Cebu
5MNDUE_T1L2	5MANDAUE	Everjust Realty Development Corporation
5MNDUE_T1L2	5MANDAUE	Monde Nissin Corporation – Cebu
5MNDUE_T1L2	5MANDAUE	Profood International Corporation
5MNDUE_T1L4	5MANDAUE	Visayan Electric Company
5MNDUE_T1L4	5MANDAUE	Liquid Packaging Corp.
5MNDUE_T1L4	5MANDAUE	METS LOGISTICS, INC (CEBU)
5MNDUE_T1L4	5MANDAUE	Primary Properties Corporation (North Park)
5MNDUE_T1L5	5MANDAUE	Visayan Electric Company
5MNDUE_T1L5	5MANDAUE	Zenith Foods Corporation
5MNDUE_T1L5	5MANDAUE	Miesto International Foods Corporation
5MNDUE_T1L5	5MANDAUE	Metro Retail Stores Group, Inc.
5MNDUE_T1L5	5MANDAUE	Producer Feed Mill Inc.
5MNDUE_T1L5	5MANDAUE	Philippine Spring Water Resources, Inc.
5MNDUE_T1L5	5MANDAUE	Shemberg Marketing Corporation
5MNDUE_T1L5	5MANDAUE	Treasure Island Industrial Corp.
5MNDUE_T1L5	5MANDAUE	Universal Feed Mill Corporation
5NAGA_T1L1	5NAGA	Cebu I Electric Cooperative, Inc.

Resource Name	Station	Customer Full Name
5NAGA_T1L1	5NAGA	New Carcar Manufacturing Inc. (formerly Steel Asia Manufacturing Corp.)
5NAGA_T1L1	5NAGA	Philippine Mining Service Corporation - Alcoy Plant
5NAGA_T1L1	5NAGA	Visayan Electric Company
5NAGA_T1L1	5NAGA	National Grid Corporation of the Philippines
5NAGA_T1L1	5NAGA	Marcel FoodSciences, Inc.
5NAGA_T1L1	5NAGA	Shogun Management and Development Corp. – Gaisano Grand Carcar
5NAGATR7_SS	5NAGA	National Grid Corporation of the Philippines
5NEWNAGA_SS	5COLON	National Grid Corporation of the Philippines
5NNAGVE_L01	5COLON	Visayan Electric Company
5NNAGVE_L01	5COLON	Apo Cement Corporation
5NNAGVE_L01	5COLON	Mabuhay Filcment, Inc.
5NNAGVE_L02	5COLON	Visayan Electric Company
5NNAGVE_L02	5COLON	Taiheiyo Cement Philippines, Inc.
5NNAGVE_L02	5COLON	Asian Grains Corporation
5NNAGVE_L02	5COLON	Dynasty Management & Development Corporation - Gaisano Fiesta Mall Tabunok
5NNAGVE_L02	5COLON	Dynasty Management & Development Corporation - Gaisano Grand Minglanilla
5NNAGVE_L02	5COLON	South Land Commercial Complex - Gaisano Fiesta Mall Tabunok
5NNAGVE_L02	5COLON	Oversea Feeds Corporation
5NNAGVE_L02	5COLON	Pepsi Cola Products Philippines, Inc.
5NNAGVE_L02	5COLON	Anilson Packaging Solutions, Inc. (Naga)
5NNAGVE_L02	5COLON	Cebu Sherilin Agro Industrial Corp.
5NNAGVE_L02	5COLON	Cebu Sherilin Trading Corp. (Tingub Plant)
5NNAGVE_L02	5COLON	Islander Footwear Mfg. Corporation
5NNAGVE_L02	5COLON	Invivo NSA Phils., Inc. (Cebu Facility)
5NNAGVE_L02	5COLON	Tennessee Feed Mill, Inc.
5NNAGVE_L02	5COLON	Universal Robina Corporation (San Fernando Plant)
5QUIOT_T1L1	5QUIOT	Cebu Private Power Corporation
5QUIOT_T1L1	5QUIOT	Visayan Electric Company
5QUIOT_T1L1	5QUIOT	SM Prime Holdings, Inc. (SM City Consolacion)
5QUIOT_T1L1	5QUIOT	Rustan's Supercenters, Inc.
5QUIOT_T1L1	5QUIOT	Asociacion Benevola De Cebu, Inc.
5QUIOT_T1L1	5QUIOT	Asociacion Benevola de Cebu
5QUIOT_T1L1	5QUIOT	Marco Polo Plaza Hotel Cebu c/o Cathay International Resources Corporation
5QUIOT_T1L1	5QUIOT	J. King & Sons Company, Inc.
5QUIOT_T1L1	5QUIOT	Metro Retail Stores Group, Inc.
5QUIOT_T1L1	5QUIOT	Robinsons Land Corporation (Cybergate)
5QUIOT_T1L1	5QUIOT	Robinsons Land Corporation (Fuente)
5QUIOT_T1L1	5QUIOT	Robinsons Land Corporation - (Galleria Cebu)
5QUIOT_T1L1	5QUIOT	Smart Communications, Inc.
5QUIOT_T1L1	5QUIOT	SM Prime Holdings, Inc. (SM Seaside M2)
5QUIOT_T1L1	5QUIOT	SM Prime Holdings, Inc. (SM Seaside M1)
5QUIOT_T1L1	5QUIOT	Taipan Development, Inc. (Gaisano South)
5QUIOT_T1L1	5QUIOT	Cebu Central Realty Corp. / Augusto W. Go
5QUIOT_T1L1	5QUIOT	Dynasty Management and Development Corporation – Gaisano

Resource Name	Station	Customer Full Name
		Grand Mambaling
5QUIOT_T1L1	5QUIOT	Perpetual Succour Hospital
5QUIOT_T1L1	5QUIOT	University of San Carlos
5SAMB_L01	5SAMBOAN	Cebu I Electric Cooperative, Inc.
5SAMB_L02	5SAMBOAN	National Grid Corporation of the Philippines
5TALATR1_SS	5CALUNG	National Grid Corporation of the Philippines
5TALATR1_SS	5CALUNG	First Toledo Solar Energy Corporation
5TALAV_T1L1	5CALUNG	Balamban Enerzone Corporation
5TALAV_T1L1	5CALUNG	Cebu III Electric Cooperative, Inc.
5TALAV_T1L1	5CALUNG	National Grid Corporation of the Philippines
5TALAV_T1L1	5CALUNG	Air Liquide Pipeline Utilities Services., Inc.
5TALAV_T1L1	5CALUNG	Linde Philippines (South), Inc.
5TALAV_T1L1	5CALUNG	Tsuneishi Heavy Industries (Cebu) Inc. - Main (THI Main)
5TALAV_T1L1	5CALUNG	Tsuneishi Heavy Industries (Cebu) Inc. (THI Slipway 2)
5TALAV_T1L1	5CALUNG	Tsuneishi Heavy Industries (Cebu) Inc. (THI Phase 3)
5TALAV_T1L1	5CALUNG	Tsuneishi Heavy Industries (Cebu) Inc. (THI Phase 4)
5TALIS_T1L1	5DAANBNTAY	Cebu II Electric Cooperative, Inc.
5TOL_CARMEN	5TOLEDO	Carmen Copper Corporation
5TPC_S01	5TOLEDO	Toledo Power Company
5TPC_S02	5TOLEDO	Toledo Power Company
6AMLAN_T1L1	6AMLAN	Amlan Hydroelectric Power Corporation
6AMLAN_T1L1	6AMLAN	Monte Solar Energy, Inc.
6AMLAN_T1L1	6AMLAN	Negros Oriental I Electric Cooperative, Inc.
6AMLAN_T1L1	6AMLAN	Negros Oriental II Electric Cooperative, Inc.
6AMLAN_T1L1	6AMLAN	San Carlos Sun Power, Inc.
6AMLAN_T1L1	6AMLAN	Central Azucarera de Bais, Inc
6AMLAN_T2L2	6AMLAN	Dumaguete Coconut Mills
6AMLAN_T2L2	6AMLAN	National Grid Corporation of the Philippines
6AMLAN_T2L2	6AMLAN	Negros Oriental II Electric Cooperative, Inc.
6AMLAN_T2L2	6AMLAN	Orica Nitrates Philippines, Inc.
6AMLAN_T2L2	6AMLAN	Silliman University
6AMLAN_T2L2	6AMLAN	Robinsons Land Corporation (Dumaguete)
6BACOL_T1L1	6BACOLOD	Central Negros Electric Cooperative, Inc.
6BACOL_T1L2	6BACOLOD	Central Negros Electric Cooperative, Inc.
6BACOL_T1L2	6BACOLOD	Dynasty Management & Development Corporation
6BACOL_T2L2	6BACOLOD	Central Negros Electric Cooperative, Inc.
6BACOL_T2L2	6BACOLOD	Central Negros Power Reliability, Inc.
6BACOL_T2L2	6BACOLOD	Negros Island Solar Power Inc.
6BACOL_T2L2	6BACOLOD	Negros Occidental Electric Cooperative, Inc.
6BACOL_T2L2	6BACOLOD	San Miguel Corporation
6BACOL_T2L2	6BACOLOD	South Negros Biopower, Inc.
6BACOL_T2L2	6BACOLOD	Roxol Bioenergy Corporation
6BACOL_T3L3	6BACOLOD	Central Negros Electric Cooperative, Inc.
6BACOL_T3L3	6BACOLOD	San Miguel Corporation
6BACOL_T3L3	6BACOLOD	Silay Solar Power, Inc.
6BACOL_T3L3	6BACOLOD	First Farmers Holding Corporation

Resource Name	Station	Customer Full Name
6CADIZL_T1L1	6CADIZ	Negros Island Solar Power Inc.
6CADIZL_T1L1	6CADIZ	Northern Negros Electric Cooperative, Inc.
6CADIZL_T1L1	6CADIZ	Hawaiian-Philippine Company
6CADIZL_T1L1	6CADIZ	North Negros Biopower, Inc.
6CADIZL_T1L1	6CADIZ	Victorias Milling Company, Inc.
6CADIZL_T1L2	6CADIZ	Northern Negros Electric Cooperative, Inc.
6CADIZL_T1L3	6CADIZ	Northern Negros Electric Cooperative, Inc.
6CADIZL_T1L3	6CADIZ	San Carlos Solar Energy Inc.
6CADIZL_T1L3	6CADIZ	San Carlos Sun Power, Inc.
6CADIZL_T1L3	6CADIZ	San Carlos Bioenergy, Inc.
6CADIZL_T1L3	6CADIZ	San Carlos Bio Power Inc.
6HELIOS_S01	6HELIOS	Helios Solar Energy Corporation
6KABAN_L01	6KBANBESS	SMCGP Philippines Energy Storage Co. Ltd
6KABAN_T1L1	6KABANKALAN	Negros Occidental Electric Cooperative, Inc.
6KABAN_T2L2	6KABANKALAN	Negros Occidental Electric Cooperative, Inc.
6MABIN_T1L1	6MABINAY	Negros Oriental I Electric Cooperative, Inc.
6MABIN_T1L1	6MABINAY	Negros Oriental II Electric Cooperative, Inc.
6MABIN_T2L2	6MABINAY	Universal Robina Corporation
6PAL1A_SS	6PGPP1	Green Core Geothermal, Inc.
7BOHOL_T1L1	7UBAY	Bohol Enterprises, Inc.
7BOHOL_T4L4	7UBAY	National Grid Corporation of the Philippines
7COREL_T1L1	7CORELLA	Bohol I Electric Cooperative, Inc.
7COREL_T1L1	7CORELLA	Alturas Group of Companies, Inc.
7COREL_T1L1	7CORELLA	Bohol Light Company, Inc.
7COREL_T1L1	7CORELLA	Bohol Light Company Inc.
7COREL_T1L1	7CORELLA	Bohol I Electric Cooperative, Inc. - Janopol Mini Hydro Power Corporation
7COREL_T1L1	7CORELLA	Bohol Quality Mall
7COREL_T1L1	7CORELLA	Marcela Farms, Inc. - Piggery / Poultry
7COREL_T1L1	7CORELLA	Alturas Mall
7COREL_T1L1	7CORELLA	Bohol Hennen Resort, Inc.
7COREL_T1L2	7CORELLA	National Grid Corporation of the Philippines
7UBAY_T1L1	7UBAY	Bohol II Electric Cooperative, Inc.
7UBAY_T1L1	7UBAY	National Grid Corporation of the Philippines
7UBAY_T1L1	7UBAY	Bohol I Electric Cooperative, Inc.
7UBAY_T1L1	7UBAY	Marcela Farms, Inc.
7UBAY_T1L1	7UBAY	Philippine Mining Service Corporation - Bohol Plant
7UBAY_T2L2	7UBAY	Bohol II Electric Cooperative, Inc.
7UBAY_T3L3	7TAPAL	SPC Power Corporation
8CONCP_T1L1	8CONCEPCION	Iloilo III Electric Cooperative, Inc.
8DINGL_T1L1	8DINGLE	Central Azucarera de San Antonio
8DINGL_T1L1	8DINGLE	Iloilo II Electric Cooperative, Inc.
8DINGL_T1L2	8DINGLE	Iloilo II Electric Cooperative, Inc.
8DINGL_T1L3	8DINGLE	Iloilo II Electric Cooperative, Inc.
8DINGL_T1L4	8DINGLE	Iloilo III Electric Cooperative, Inc.
8DINGL_T2L1	8DINGLE	SPC Island Power Corporation
8DINGL_T2L2	8DINGLE	SPC Island Power Corporation

Resource Name	Station	Customer Full Name
8NABAS_L01	8NABAS	Aklan Electric Cooperative, Inc.
8NABAS_L01	8NABAS	PetroWind Energy Inc.
8NABAS_L01	8NABAS	Panay Power Corporation
8NABAS_L01	8NABAS	Calveston International Inc.
8NABAS_L01	8NABAS	Global Estate-Resorts Inc. (GERI)
8NABAS_L01	8NABAS	Shangri-la Boracay Resort and Spa
8NABAS_L02	8NABAS	Aklan Electric Cooperative, Inc.
8NABAS_L03	8NABAS	Antique Electric Cooperative, Inc.
8PALM_S01	8CONCEPCION	Palm Concepcion Power Corporation
8PANIT_T1L1	8PANITAN	Capiz Electric Cooperative, Inc.
8PANIT_T2L2	8PANITAN	National Grid Corporation of the Philippines
8PDPP3_S01	8DINGLE	SPC Island Power Corporation
8PEDC_T1L1	8ILOILO1	MORE Electric and Power Corporation
8PEDC_T1L1	8ILOILO1	Mary Mart Mall A&B
8PEDC_T1L1	8ILOILO1	QHP Realty Corporation
8SNJOSE_L01	8SNJOSE	Cosmo Solar Energy, Inc.
8SNJOSE_L01	8SNJOSE	Antique Electric Cooperative, Inc.
8SNJOSE_L01	8SNJOSE	Iloilo I Electric Cooperative, Inc.
8SNJOSE_L01	8SNJOSE	Sunwest Water and Electric Company 2, Inc.
8SNJOSE_L01	8SNJOSE	Dynasty Management & Development Corporation - Gaisano Grand Antique
8STBAR_SS1	8STBARBRA	National Grid Corporation of the Philippines
8STBAR_T1L1	8STBARBRA	Phinma Energy Corporation
8STBAR_T1L1	8STBARBRA	Philippine Foremost Milling Corporation
8STBAR_T2L2	8STBARBRA	Iloilo I Electric Cooperative, Inc.
8STBAR_T2L2	8STBARBRA	Pepsi Cola Products Philippines
8STBAR_T2L2	8STBARBRA	Communities Iloilo, Inc. (Vistamall Iloilo)
8STBAR_T3L3	8BVISTA	Guimaras Electric Cooperative, Inc.
8STBAR_T3L3	8BVISTA	PHINMA Renewable Energy Corporation

SECTION 8. MNM Revision Summary

Item	Summary of MNM Change
Details of MNM Revision 1.0 (November 18, 2004)	
a.	Incorporation of Trans-Asia Power Generation Corporation (the "Trans Asia") in the Market Network Model in response to the company's application to participate in the WESM Trial Operations Program.
b.	Modification of the generator resources and load resources due to some participant whom expressed their participation in the Trial Operation Program.
c.	Inclusion of the Meralco Interchange transformers: Duhat – 2 x 300 MVA; Malolos – 2 x 150 MVA; Araneta – 3 x 300 MVA; Balintawak – 3 x 300 MVA; Sucat – 3 x 300 MVA; Zapote – 3 x 300 MVA; Dolores – 4 x 300 MVA; Biñan – 1 x 300 & 2 x 100 MVA; Sta. Rosa – 1 x 300 MVA; and Calauan – 2 x 150 MVA
Details of MNM Revision 2.0 (March 18, 2005)	
a.	This revision involved the revalidation of Market Network Model based on the latest PSS/E model of the SO – TransCo. (e.g. Generator Parameters like Pmin, Pmax, Qmin, Qmax etc., Transmission Line Parameters like the Resistance, Reactance, Susceptance, and MVA capacity. Transformer Parameters like the MVA capacity, Reactance, etc.).
Details of MNM Revision 3.0 (August 2005)	
a.	Transmission line and transformer limits are currently set at rated MVA limit indicated in the 2005 PSS/E Model of the Philippine power system.
b.	Remote telemetering points (RTU) are considered to be located at the high side of the substation transformer. As such, transformers at Load Demand Substation are not explicitly modeled, except for the following transformers at EHV Substations and MERALCO Interchange Substations.
c.	Generators are considered on a per unit basis except for generators modeled on as per generation block basis. Ilijan Combined Cycle Power Plant has been re-modeled, from six (6) generating units originally modeled on a per unit basis model to two (2) blocks encompassing the six generating units. This combination was done since the Ilijan's steam turbine cannot operate without running the gas turbines. Also, the Subic Diesel Power Plant which consists of eight (8) generating units was re-modeled into two (2) blocks, in view of the current set-up where there is one (1) revenue meter for every four (4) generating units. This modeling has been implemented through the request of the Power Sector Assets and Liabilities Management Corporation (the "PSALM").
d.	Station Services have been included to the power plants which have a single generating unit of not less than or equal to 250MW (including Masinloc, Ilijan, Sual, Calaca etc.). No load loss for all Extra High Voltage (EHV) station transformers are modeled as fixed station loads.
e.	Transshipment nodes are specified in the current model. These nodes are the substations wherein neither the generators nor the loads are associated. Stations considered as transshipment nodes are San Jose EHV, San Manuel EHV, Kadampat 500, Tayabas EHV, Dasmariñas EHV and Kadampat 230.
Details of MNM Revision 4.0 (November 22, 2005)	
a.	Incorporation of Transco-SO review/comments on the Luzon MNM network parameters.
b.	Aggregation of generating units and modeling of generator station service/houseload. Station Service resource node has been modeled to account for the energy use of the generating plant. Load demand associated with station service is the difference between the gross generation MW and the net MW outflow from the generating plant. Aggregation of generators has been implemented to all generating plants which have officially communicated to MO their intention to be modeled as aggregated unit in the MNM.
c.	Disaggregation of loads into 69 kV levels which has a corresponding remote telemetering unit (RTU).
d.	Inclusion of additional embedded generators.
Details of MNM Revision 5.0 (February 22, 2006)	
a.	Revalidation of network parameters based on SO-Transco 2006 PSS/E Model of the Philippine Power System Grid.
b.	Incorporation of SO-Transco changes/updates in the Luzon Grid (i.e. newly commissioned/decommissioned transformers, transmission lines, circuit breakers).
c.	Disaggregation of loads into 69 kV levels which has a corresponding remote telemetering unit (RTU).
d.	Aggregation of generating unit as requested by the participant. Aggregation of the three (3) sectors of the generating units of Bauang Private Power Corp. (BPPC) to a single unit and corresponding revision of its registered Pmin.
e.	Modeling of newly installed power plant in the model (APEC 50 MW Coal Fired Power Plant).

Item	Summary of MNM Change
Details of MNM Revision 6.0 (August 26, 2006)	
a.	Definition of branch group groupings in accordance with the plant groupings of the System Operator for North and South Luzon.
b.	Inclusion of newly commissioned Gamu S/S in the North Luzon cutting-in between Tuguegarao S/S and Santiago S/S. Modeling of new Hanjin S/S in between Olangapo S/S and Botolan S/S.
c.	Inclusion of auxiliary generators of the Sta. Rita and San Lorenzo in the MNM.
d.	Inclusion of the newly commissioned Makban S/S in the MNM with the updated breaker connection and transmission line configuration.
e.	Modeling of the newly installed transformer in the Bataan S/S for Petron feeder.
f.	Remodeling of Visayas Network Model in preparation for the commercial operation of Visayas Market.
g.	Modeling of QPPL in the net side (QPPL – Tayabas lines) as per participant request.
Details of MNM Revision 7.0 (November 09, 2007)	
a.	Modeling of the new transmission lines between San Esteban-Bakun, Bacnotan-Bauang, Bakun-Bauang and San Esteban-Bacnotan.
b.	Upgraded the transformer limit of Dasmarinas Transformer 5 from 100MVA to 300MVA.
c.	Updated some breaker naming convention in accordance with its actual name e.g. Trans Asia and Hanjin S/S.
d.	Modeling of Trans-Asia in the gross side (generator transformers) as per participant request.
e.	Remodeling of Visayas Network Model in preparation for the commercial operation of Visayas Market.
f.	Revalidation of Market Network Model parameters, configuration, connection, etc.
Details of MNM Revision 8.0 (February 8, 2008)	
a.	Modeling of San Jose EHV Transformers as a branch group as per agreement between the SO-MO coordination meetings.
b.	Updated all the transmission lines and transformers parameters base on the latest PSS/E model
Details of MNM Revision 9.0 (September 12, 2008)	
a.	Updates on Luzon MNM network parameters incorporating the upgrading of San Manuel – Concepcion – Mexico line.
Details of MNM Revision 10.0 (September 30, 2008)	
a.	Updates on San Jose Transformer 2 impedance. The defective San Jose transformer T02 was replaced by the 600MVA transformer taken from Kadampat 500kV substation with higher impedance.
Details of MNM Revision 11.0 (October 12, 2008)	
a.	Transfers of San Manuel – Pantabangan line from Old San Manuel Station to New San Manuel Station
b.	Tapping of San Manuel – Mexico line to Old San Manuel and Mexico Sub-stations.
Details of MNM Revision 12.0	
a.	Modeling of Montalban Methane Power Corp. at Dolores Substation (2MONTLBN_G01). Uploaded in MOST3 system pending compliance in technical and other requirements.
b.	Modeling of Montalban Methane Power Corp. dummy load at Dolores Substation (2MONTLBN_L01)
Details of MNM Revision 13.0.	
a.	Modeling of Meralco Network in the MNM. For testing at MOST3 system
Details of MNM Revision 14.0 (December 5, 2008)	
a.	Transfer of Labrador – BPPC 230kV line to Kadampat – BPPC 230kV line.
Details of MNM Revision 15.0 (December 15, 2008)	
a.	Transfer of Bauang – Labrador 230kV line to Bauang – Kadampat 230kV line.
Details of MNM Revision 16.0 (December 15, 2008)	
a.	Modeling of Amadeo Station (3AMADEO) and load (3AMADEO_T1L1).
b.	Tapping of 3AMADEO between 3Dasmarinas and 3Calaca 230kV Line 2.
Details of MNM Revision 17.0 (December 19, 2008)	
a.	Modeling of Labrador – Kadampat 230kV Line 2
Details of MNM Revision 18.0 (January 16, 2009)	
a.	Tapping of Amadeo Substation between Line 1 of Dasmarinas and Calaca Station
Details of MNM Revision 19.0 (February 27, 2009)	
a.	De-commissioning of Old Makban A station and transferring all equipment connected to Old station to New Makban A station
b.	Transfer of Makban-Binan line 1 from Bay 81 to Bay 87 at Binan Station

Item	Summary of MNM Change
c.	Updates in Makban-Binan line impedances
d.	Transfer of Batangas-Makban B to Batangas-Makban A line
e.	Modeling of 1CRUZD_T1L3 and breaker 54CD4 at Cruz na Daan Station to accommodate the load of Solid Devt Corp which was grouped in T1L1 in previous MNM
f.	Re-modeling of Masiway generator from Transformer 3 to Transformer 1 in Cabanatuan Station
g.	Modeling of 1CBNTU_T1L3 at Cabanatuan Station
Details of MNM Revision 20.0 (June 4, 2009)	
a.	Upgrading of Makban-Binan lines parameters.
b.	Modeling of 1NCNCE_T1L1, 1CNCEP_T1L1, and 1CNCEP_T1L2 at Concepcion Station
c.	Cutting-in of Concepcion Station to San Manuel-Mexico line. (Addition of lines 1SNMA_1CNC2 and 1CNCE_1MEX2 -in lieu of 1SNMA_1MEX1)
d.	Modeling of 3STROSA_TR2 at Sta. Rosa Station in parallel with 3STROSA_TR1
e.	Removal of resources 1TPC_G01 and 1TPC_L01 at Concepcion Station.
Details of MNM Revision 21.0 (June 29, 2009)	
a.	Modeling of 1CNCEP_T1L3 at Concepcion Station to reflect Voice of America load.
b.	Finalization of breaker configuration at Concepcion station.
c.	Modeling of temporary line - Naga – Gumaca Line 1, (3NAGA_3GUM1) in lieu of 2 lines 3LABO_3GUM2 and 3TAYA_3NAG2.
Details of MNM Revision 22.0 (September 11, 2009)	
a.	Update on Batangas-Makban Line Parameters and Line Capacity.
b.	Reconfiguration load feeder connection at Concepcion Station.
c.	Additional Breaker at La Trinidad Station (84LT4).
d.	Modelling of 115kV busses of Malaya Station with additional feeder (1MLAYA_T2L2).
e.	Final restoration and energization of Naga – Tayabas 230kV Lines
Details of MNM Revision 23.0 (November 11, 2009)	
a.	Updates on the Line and Transformer Parameters based on the latest validation and PSS/E data from NGCP-SO
b.	Removal of Hermosa – Balintawak Line (1HERM_2BAL)
c.	Modelling of the new 600MVA Duhat – Balintawak Line
Details of MNM Revision 24.0 (November 17, 2009)	
a.	Modelling of 300MVA Mexico – Balintawak Line (1MEXI_2BAL1) and 600MVA Hermosa – Duhat Line (1HERM_1DUH1).
b.	Removal of Mexico – Duhat Line (1MEXI_1DUH1)
c.	Updates in the Breaker names in Balintawak Stations based on SO naming convention (i.e. 81EE4 to 81E4).
d.	Modelling of 3MLAYA_T2L2 at Malaya S/S (disaggregated from 1MLAYA_T2L1).
e.	<p>Updates on Appendices:</p> <p>Company Name under WESM Temp was replaced by WESMTMP for consistency.</p> <p>Appendix 3a and 3b. Market Network Model Resources Summary (Luzon)/ Market Network Model Stations has been updated accordingly to reflect the latest number of Market Trading Nodes</p> <ul style="list-style-type: none"> No. of Customer Load Resource Trading Nodes (North Luzon) from 102 to 103 and No. of Load Resource Nodes associated with Station Use of Generators and EHV Substations from 20 to 19 where 1NWIND_L01 was transferred from Load Resource Nodes associated with Station Use of Generators to Customer Load Resource Trading Nodes. No. of Customer Load Resource Trading Nodes (South Luzon) from 52 to 53 where 3MLAYA_T2L2 was disaggregated from 3MLAYA_T2L1 Inclusion of Amadeo substation in MNM Stations <p>Appendix 3c. Market Network Model Branch Group Definition</p> <ul style="list-style-type: none"> Removal of 1HERM_2BAL1 and replaced by 1HERM_1DUH1 in N_Luzon_C branch Group Definition. 1HERM_2BAL1 was removed from the model due to transfer of Duhat 230kV substation from Mexico-Balintawak 230kV line to Hermosa-Balintawak 230kV line. <p>Appendix 3d. Luzon Market Network Model Generator Resources</p> <ul style="list-style-type: none"> Updated Resource Common Name <ul style="list-style-type: none"> 1HEDCOR_G01 – HEDCOR Hydro Plant 1NMHC_G01 – Northern Mini Hydro Corp. 1NIABAL_G01 – NIA-Baligatan Hydro Electric Plant Updated Resource Common/Company Name

Item	Summary of MNM Change
	<ul style="list-style-type: none"> 1BINGA_G01 – from NPC to SNAPBENGT 1NMHC_G01 – from WESMTMP to HEDCOR 1MSINLO_G01 & G02 – from AES to MPPCL 1NIABAL_G01 – from PSALM1 to NIA-BALIGATAN 1SUAL_G01 and G02 – from PSALM2 to San Miguel Energy Corp. 2MONTLBN_G01 – deleted 3CALACA_G01 – from Suez to NPC 3MKBN_A, B, C, D, E, 3ORMAT_G01 – from Aboitiz to APRI 3MALAYA_G01& G02 – PSALM 3MALAYA_G01& G02 – Common Name – KEPHILCO-Malaya 3PAGBIL_G01 –from PSALM to Therma Luzon, Inc. <p>Appendix 3e – Luzon Market Network Model Customer Resources Station, Resource Node and Customer Full Name were updated</p>
Details of MNM Revision 25.0 (November 30, 2009)	
a.	Modelling of Clark Substation connected from Concepcion Substation
b.	Change of Sta. Rosa transformer equipment name from 3STROSA_TR1 to 3STROSA_TR2 and 3STROSA_TR2 to 3STROSA_TR4 to be consistent with SO convention.
c.	Modelling of Disconnect Switch, 50BG4 at Bauang Substation to reflect the latest network configuration.
d.	<p>Updates on Appendices:</p> <p>Appendix 3a. Market Network Model Resources Summary (Luzon) has been updated accordingly to reflect the latest number of Market Trading Nodes:</p> <ul style="list-style-type: none"> No. of Customer Load Resource Trading Nodes (North Luzon) from 103 to 105 to incorporate the new CLARK Substation two (2) feeders (1CLARK_T1L1 and 1CLARK_T1L2). No. of Station from 80 to 81 to include CLARK S/S. <p>Appendix 3b. Market Network Model Stations to reflect the CLARK Substation.</p> <p>Appendix 3e – Luzon Market Network Model Customer Resources Station, Resource Node and Customer Full Name were updated to include CLARK Substation new customer resources (1CLARK_T1L1 and 1CLARK_T1L2) temporarily under WESMTMP pending registration to appropriate company/trading name.</p>
Details of MNM Revision 26.0 (December 15, 2009)	
a.	Company Name for Resource Nodes 3CALACA_G01 and 3CALACA_G02 is revised from NPC to SCPC. The revision was implemented as a result of the transfer of Batangas CFTPP ownership from NPC to SEM-Calaca Power Corp. (SCPC) effective 4 December 2009.
Details of MNM Revision 27.0 (February 24, 2010)	
a.	Modelling of temporary Transformer 5 at EHV San Jose S/S
b.	Reconfiguration of Biñan – Makban A Line 2 and Makban A – Makban B Line 2
c.	Change of Makban A transformer naming convention from 3MKBNA_TR7 to 3MKBANA_T01
d.	Modelling of Transformer 3 at Daraga S/S
e.	Updating the parameters of the Transformer 2 at Bauang S/S
f.	Updating the load feeder configuration at Concepcion S/S and Labrador S/S.
g.	Modelling of 1BNTAY_T1L3 load at Bantay S/S.
h.	<p>Updates on Appendices:</p> <p>Appendix 3a. Market Network Model Resources Summary (Luzon) has been updated accordingly to reflect the latest number of Market Trading Nodes:</p> <ul style="list-style-type: none"> No. of Customer Load Resource Trading Nodes (North Luzon) from 105 to 106 to incorporate the new load (1BNTAY_T1L3) at Bantay S/S. <p>Appendix 3c – Market Network Model Branch Group Definitions</p> <ul style="list-style-type: none"> Added 1SNJO_1EHV5 in the San Jose Branch Group. <p>Appendix 3d. Luzon Market Network Model Generator Resources</p> <ul style="list-style-type: none"> Updated resource common/company name <ul style="list-style-type: none"> 1SROQUE_G01 - from PSALM2 to Strategic Power Devt. Corp. (SPDC) as of Jan 26, 2010. 1BAKUN_G01 - from PSALM2 to Amlan Hydro Power, Inc. (AHPI) as of Feb 23, 2010. 1LIMAY_A and 1LIMAY_B - from PSALM1 to PANASIA Energy Holdings, Inc (PANASIA) as of Feb 25, 2010.

Item	Summary of MNM Change
	<ul style="list-style-type: none"> Updated the resource abbreviated company name to company full name <ul style="list-style-type: none"> NPC was changed to National Power Corporation (NPC) PSALM1, PSALM2, and PSALM4 was changed to Power Sector Assets and Liabilities Management (PSALM) SNAPBENG was changed to SN Aboitiz Power Benguet Inc. (SNAP-Benguet) SNAP was changed to SN Aboitiz Power - Magat, Inc. (SNAP) FGHPC was changed to First Gen Hydro Power Corp (FGHPC) NPDC was changed to Northwind Power Development Corp. (NPDC) HEDCOR was changed to Hydro Electric Development Corporation (HEDCOR) MPPCL was changed to Masinloc Power Partners Co. Ltd. (MPPCL) San Miguel Energy Corp. was changed to San Miguel Energy Corp. (SMEC) Trans-Asia Power Generation Corporation was changed to Trans-Asia Power Generation Corporation (TAPGC) SCPC was changed to SEM-Calaca Power Corporation (SCPC) APRI was changed to AP Renewables, Inc. (APRI) Therma Luzon Inc. was changed to Therma Luzon Inc. (TLI) Quezon Power Philippines Ltd. was changed to Quezon Power Philippines Ltd.(QPPL) First Gas Holdings Corporation was changed to First Gas Holdings Corporation (FGHC) <p>Appendix 3e – Luzon Market Network Model Customer Resources Station, Resource Node and Customer Full Name</p> <ul style="list-style-type: none"> Added 1BNTAY_T1L3 temporarily under WESMTMP due pending registration to appropriate company/trading name Updated resource common/company name <ul style="list-style-type: none"> 1CLARK_T1L1 and 1CLARK_T1L2 – from WESMTMP to Texas Instrument 1CNCEP_T1L2 and 1CNCE_T1L1 – from Texas Instrument to WESMTMP since Texas Instrument MTN are already transferred to 1CLARK_T1L1 and 1CLARK_T1L2.
Details of MNM Revision 28.0 (March 25, 2010)	
a.	Modelling of the 4 th 300MVA Transformer (2BALNTW_TR7) at Balintawak S/S
Details of MNM Revision 29.0 (April 15, 2010)	
a.	Modelling of the new 750MVA 2nd Transformer Bank (1EHVSJ_TR2) at EHV San Jose S/S
b.	Definition of “Trading Participant” was also included in the Item 2.0. Definition of Terms.
c.	<p>Updates on Appendices:</p> <p>Appendix 3d. Luzon Market Network Model Generator Resources</p> <ul style="list-style-type: none"> Updated resource Common/Trading Participant Name <ul style="list-style-type: none"> 1HEDCOR_G01 - Hydro Electric Development Corporation 1NMHC_G01 - Northern Mini Hydro Corporation /WESMTMP 1APEC_G01 - Asia Pacific Energy Corporation Coal Fired Power Plant 1NIABAL_G01- Baligatan Hydroelectric Power Plant 2DURA_G01 to 2DURA_G04 - Duracom Mobile Power Corporation Diesel Power Plant 3ILIJAN_G01 and 3ILIJAN_G02 - Ilijan CCPP <p>Appendix 3e – Luzon Market Network Model Customer Full Name</p> <ul style="list-style-type: none"> 3MLAYA_SS - Power Sector Assets and Liabilities Management (PSALM) 3KAL_P01 to 3KAL_P04 - Power Sector Assets and Liabilities Management (PSALM) The Customer Full Name of the resources has been updated to reflect the changes based on the latest Metering Masterfile Data.
Details of MNM Revision 30.0 (June27, 2010)	
a.	Modeling of 600MVA Sucat-Biñan 230 kV Line 4.
b.	Reconfiguration of the Tapping of Trans Asia S/S to the 150 MVA Angat – San Jose 115 kV Line 1.
c.	Update on the parameters of 300 MVA Dolores Transformer 1.
d.	<p>Updates on Appendix 3a: No. of Stations in North Luzon from 46 to 47 to include Trans Asia S/S Tap</p> <p>Updates on Appendix 3d: Luzon Market Network Model Generator Resources</p> <p>Updated Trading Participant Name:</p> <ul style="list-style-type: none"> 3ILIJAN_G01 and 3ILIJAN_G02- from PSALM to South Premiere Power Corporation (SPPC) as of June 26, 2010.
Details of MNM Revision 31.0 (August 5, 2010)	
a.	Modeling of the new 750MVA Transformer Bank No. 1 (1EHVSJ_TR1) at EHV San Jose S/S
b.	Modeling of the tie line between Bus 2 and Bus 3 at Olongapo S/S

Item	Summary of MNM Change
Details of MNM Revision 32.0 (August 19, 2010)	
a.	Modeling of disconnect switches at EHV San Jose S/S
b.	Updates on Appendix 3d: Luzon Market Network Model Generator Resources Updated Trading Participant Name: <ul style="list-style-type: none"> 1BPPC_G01 - from PSALM to 1590 ENERGY CORP (1590EC) as of August 27, 2010.
Details of MNM Revision 33.0 (September 10, 2010)	
a.	Modelling of the new 750MVA Transformer Bank No. 3 (1EHVSJ_TR3) at EHV San Jose S/S
b.	Modelling of Sal – Angan HEPP (1SLANGN_G01) at La Trinidad S/S
c.	Updates on Appendices: <ul style="list-style-type: none"> Appendix 3a : Market Network Model Resources Summary (Luzon) – Additional Generator Appendix 3d: Luzon Market Network Model Generator Resources - Added 1SLANGN_G01 for Sal – Angan HEPP of HEDCOR as Trading Participant
Details of MNM Revision 34.0 (Approved by PEM Board on October 5, 2010)	
a.	Updating of the Visayas Network in the Market Network Model for Visayas WESM.
b.	Updates on the Appendix 3: Market Network Model Resources, Stations and Parameters Descriptions associated with the updates on the Visayas Market Network Model.
Details of MNM Issue 34.0	
a.	Modelling of the new 300MVA 230/115 KV 3-Winding Transformer No. 2 (1SNJOS_TR2P & 1SNJOS_TR2S) at San Jose S/S
b.	Modelling of Barit HEPP (3BARIT_G01) at Naga S/S
c.	Modelling of KSPC station loads (5KSPC_SS1 and 5KSPC_SS2) at KSPC S/S
d.	Modelling of KSPC unit 2 (5KSPC_G02) at KSPC S/S
g.	Modelling of KSPC units 1 and 2 station load 25 MVA transformers (5KSPC_TR3 and 5KSPC_TR4) at KSPC S/S
h.	Updates on the Appendix 3: Market Network Model Resources, Stations and Parameters Descriptions
Details of MNM Issue 35.0 (January 21, 2011)	
a.	Reconfiguration at Sta. Barbara Station
b.	Modeling of of capacitor banks at Sta. Barbara, Bacolod, Cadiz, Kabankalan, Paranas, Babatngon, and Maasin Stations.
c.	Modeling of Ilijan Station Service (disaggregated from Ilijan SS)
Details of MNM Issue 36.0 (February 04, 2011)	
a.	Installation of additional breaker at Ambuklao Station
b.	Changes in naming convention of San Manuel Station circuit breakers
c.	Modelling of Casa generator – 8CASA_G01
d.	Modelling of Nabas substation
e.	Commissioning of Sta. Barbara transformers station service loads
Details of MNM Issue 37.0 (February 22, 2011)	
a.	Commercial Operation Issue 37 Modeling of two (2) new 100 MVA 230/69kV transformers at Clark Station, Pampanga.
b.	Modeling of shunt reactor circuit breakers at Amlan (Negros), Compostela (Cebu), and Daan Bantayan (Cebu) cable terminal stations.
Details of MNM Issue 38.0 (March 21, 2011)	
a.	Commercial Operation Issue 38 Modeling PEDC Substation at Iloilo City, Panay Island in Visayas
b.	Modeling of New Naga Substation at Cebu Island, Visayas
c.	Modeling of new load (Aglipay Feeder) at Santiago Substation, in Luzon.
d.	Modeling of shunt reactor circuit breakers at Maasin Substation and Tabango Substation in Visayas.
e.	Updates on Appendix 3 to incorporate additional resources based on the above changes: <ul style="list-style-type: none"> 8PEDC_T1L1, 8PEDC_T1L2, 8PEDC_SS1 and 8PEDC_SS2 at PEDC Substation. 1SNTGO_T1L3 at Santiago Substation.
Details of MNM Issue 39.0 (April 2, 2011)	
a.	Changes in generator names of 3BARIT_G01 and 1BPPC_G01 to 3BART_G01 and 1BAUANG_G01, respectively.
Details of MNM Issue 40.0 (April 11, 2011)	
a.	Changes in the line parameters of Hermosa-Duhat 239 kV Line
b.	Changes in naming convention of San Jose and Binan Circuit Breakers.

Item	Summary of MNM Change
Details of MNM Issue 41.0 (May 22,2011)	
a.	Transfer of KSPC Coal Fired Power Plant from Old Naga to New Naga Substation;
b.	Changes in circuit breaker names at San Jose and Sucat substations;
c.	Modeling of new load resource at Bayombong substation – 1BYOMB_T1L3
d.	Upgrade of Mexico Transformer No. 1 from 100 MVA to 300 MVA. (1MEXICO_TR1)
e.	Updates on Appendix 3 to incorporate additional resources based on the above changes: <ul style="list-style-type: none"> 1BYOMB_T1L3 at Bayombong Substation.
Details of MNM Issue 42.0 (May 31,2011)	
a.	Modeling of new generator resource at Ambuklao substation – 1AMBUK_G01
Details of MNM Issue 43.0 (June 4, 2011)	
a.	Transfer of Old Naga - Toledo 138kV Transmission Line to New Naga – Toledo 138kV Transmission Line;
b.	Changes in circuit breaker names at Sucat substations;
c.	Upgrade of Pantabangan Transformer No. 1 & 2 from 64 MVA to 75MVA.
Details of MNM Issue 44.0 (July 7, 2011)	
a.	Reconfiguration of Mexico substation (Pampanga)
b.	Transfer of Amlan (Negros) – Old Naga (Cebu) 138 kV transmission lines to New Naga station (Cebu)
c.	Transfer of Global generating unit (embedded generator of Akelco) from Panit-an to Nabas substation (Panay)
d.	Modeling of 3.75 and 7 MVar capacitor banks at Panit-an substation (Panay)
Details of MNM Issue 45.0 (July 14, 2011)	
a.	Modeling of new 50 MVA 138 kV Calbayog substation in Samar and the associated 2 - 138 kV lines connecting the new Calbayog substation with Paranas (Wright) 138 kV substation.
Details of MNM Issue 46.0 (July 27,2011)	
a.	Upgrade of Mexico Transformer T2 to 300 MVA and connection of T2 to new 69 kV Mexico switchyard, modeling of Angeles feeder, decommissioning of Mexico Transformer T3.
Details of MNM Issue 47.0 (October 4, 2011)	
a.	Upgrade of Dasmariñas transformer 4 from 100 MVA to 300 MVA.
b.	Additional load resource at Batangas substation (3BATAN_T2L2).
c.	Update of Binga Generator Transformer (from 67 MVA to 37 MVA)
d.	Changes in Circuit Breaker names at Angat and Kadampat substation.
Details of MNM Issue 48.0 (October 27, 2011)	
a.	Modeling of 138 kV 196 MVA Dingle-Panit-an line 2
Details of MNM Issue 49.0 (November 22, 2011)	
a.	Modeling of 60 MVA, 69 kV Kalayaan-Caliraya line
b.	Modeling of 37 MVA, 230/13.8 kV, Binga Transformer 4
c.	Upgrade of Biñan transformer 3 from 100 MVA to 300 MVA
Details of MNM Issue 50.0 (December 13, 2011)	
a.	Modeling of two new load resources (5SAMB_L01 and 5SAMB_L02) connected at 5SAMBOAN station.
Details of MNM Issue 51.0 (January 13, 2012)	
a.	Modeling of new Barotac Viejo substation in Panay.
b.	Change in station naming convention: <ul style="list-style-type: none"> Limay S/S → BCCPP S/S Bataan S/S → Limay S/S
c.	Modeling of the 230 kV, 550 MVA BCCPP-Limay lines 1 and 2.
Details of MNM Issue 52.0 (January 24, 2012)	
a.	Upgrade of 230/13.8 kV Magat transformer T1 from 112.5 MVA to 130 MVA
b.	Replacement of 230/115 kV San Jose transformer T2 from 300 MVA to 100 MVA.
Details of MNM Issue 53.0 (February 24, 2012)	
a.	Modeling of 138 kV, 409 MVA PEDC-Sta Barbara line 2 in Panay
Details of MNM Issue 54.0 (March 01, 2012)	
a.	Modeling of new 230/13.8 kV, 37 MVA Binga Unit No. 2 generator transformer (T2).
Details of MNM Issue 55.0 (April 11, 2012)	
a.	Modeling of new 230/13.8 kV, 100 MVA Cruz na Daan Load-end transformer (T2), and an additional load resource (1CRUZD_T2L1).

Item	Summary of MNM Change
Details of MNM Issue 56.0 (April 30, 2012)	
a.	Transfer of 300MVA 230/115kV Dasmariñas transformer (T4) to Zapote Substation as replacement of the defective Zapote transformer (T1). The Dasmariñas transformer will be replaced by another spare 300 MVA 230/115kV transformer.
b.	Aggregation of Cruz na Daan loads into one load MTN due to the unavailability (decommissioned) feeders RTUs at 115kV side.
c.	Modeling of additional 50 MVA 115/69kV transformer T2 at Bantay station;
d.	Change in breaker names at the Dasmariñas, Zapote, and Cruz na Daan stations to reflect the Site and Equipment Identification and Labeling (SEIL) naming convention of NGCP.
Details of MNM Issue 57.0 (July 05, 2012)	
a.	Upgrade of the 115/69/13.8 kV transformer unit 1 of Laoag station from 20 MVA to 50 MVA.
b.	Change in breaker names at the San Jose 500 and 230 kV stations to reflect the Site and Equipment Identification and Labelling (SEIL) naming convention of NGCP.
Details of MNM Issue 58.0 (July 19, 2012)	
a.	Modeling of new 19 MW Bioethanol generating unit at Gamu station, with MMS resource name 1GFII_G01.
b.	Change in breaker names at the Gamu and Hanjin stations.
Details of MNM Issue 59.0 (August 6, 2012)	
a.	Modeling of 1MARIVELES 230 kV substation in Bataan, in preparation for the commissioning of the generating units of GNPower Mariveles Coal Plant Ltd. Two generating resources and one load resource were added: <ul style="list-style-type: none"> • 1MARVEL_G01 and 1MARVEL_G02 • 1MRVEL_T1L1
b.	Modeling of BCCPP-Mariveles 300MVA 230kV line 2 (1BCCPP_1MAR2) (Interim cut-in configuration)
c.	Change in circuit breaker names at 1BCCPP substation, and station name from 1HANJIN to 1CAWAGO, to be consistent with the Standard Equipment and Identification and Labeling (SEIL) implemented by the System Operator.
Details of MNM Issue 60.0 (September 10, 2012)	
a.	Modeling of 230/68/13.8 kV 100 MVA transformer unit 3 at Bauang substation, Luzon.
Details of MNM Issue 61.0 (September 24, 2012)	
a.	Modeling of 100 MVA 138/69 kV transformer unit 2 at the Cebu substation, Visayas
b.	Renaming of breakers at Cebu, Mandaue, Lapu-lapu stations to conform with Standard Equipment Identification and Labeling (SEIL) being implemented by NGCP.
Details of MNM Issue 62.0 (October 14, 2012)	
a.	Reconfiguration of BCCPP station, to include additional bays, and transfer of line termination points.
b.	Modeling of the second 300 MVA BCCPP-Mariveles 230 kV line
c.	Upgrading of Hermosa-BCCPP 230 kV line 2 to 1100 MVA.
Details of MNM Issue 63.0 (October 21, 2012)	
a.	Modeling of new Manila (Paco) 230 kV substation.
b.	Renaming of breaker names and station names to be consistent with the System Operator's Standard Equipment Identification and Labeling (SEIL): <ul style="list-style-type: none"> • from Araneta (2ARANETA) to Doña Imelda (2DONAIMELDA); and • from Sucat (2SUCAT) to Muntinlupa (2MUNTINLUPA).
Details of MNM Issue 64.0 (December 4, 2012)	
a.	Modeling of a second 100 MVA, 230/69 kV transformer at Naga station.
b.	Modeling of a new 600 MVA, 500/230 kV transformer at Tayabas station.
c.	Renaming of breakers at Daraga, Tayabas, and Naga stations to be consistent with the Standard Equipment Identification and Labeling (SEIL) being implemented by NGCP:
Details of MNM Issue 65.0 (December 21, 2012)	
a.	Modeling of CIP 2 Power Corporation's 21 MW embedded generator unit (1CIP2_G01) at the Bacnotan station.
b.	Renaming of breaker names of the San Esteban and Bacnotan station to be consistent with the System Operator's Standard Equipment Identification and Labeling (SEIL).
Details of MNM Issue 66.0 (December 28, 2012)	
a.	Change in line parameters of the 300 MVA Mariveles-BCCPP 230 kV lines 1 and

Item	Summary of MNM Change
b.	Modeling of additional 100 MVA 138/69 kV transformer at the Ormoc substation and 50 MVA 138/69 kV transformer at the Kabankalan station.
c.	Renaming of breakers at Ormoc and Kabankalan stations to be consistent with the System Operator's Standard Equipment Identification and Labeling convention.
Details of MNM Issue 67.0 (January 14, 2013)	
a.	Change in line parameters of the 300 MVA BCCPP-Hermosa 230 kV line 1. The change in parameters is due to the re-conductoring of the said line, upgrading its capacity from 600 MVA to 1100 MVA.
b.	Renaming of breakers at BPC and Olongapo stations to be consistent with the System Operator's Standard Equipment Identification and Labeling convention.
Details of MNM Issue 68.0 (January 30, 2013)	
a.	Reconfiguration of the Daraga-Naga-Tiwi 230 kV corridor involving the modeling of temporary lines Daraga-Naga and Daraga-Tiwi A 230 kV lines. This temporary configuration will be retained for an estimated period of three (3) months. After the rehabilitation of the corroded towers, the configuration will be returned to its original setup.
b.	Renaming of breakers at Hermosa and Tiwi stations to be consistent with the System Operator's Standard Equipment Identification and Labeling convention.
Details of MNM Issue 69.0 (February 22, 2013)	
a.	Modeling of embedded generating units 2TMO_G01, 2TMO_G02, 2TMO_G03, and 2TMO_G04 connected at 2QUEZON (formerly 2BALINTAWAK) station.
b.	Transfer of connection point of the Compostela transformer 3 from bay 74 to bay 75.
c.	Renaming of breakers at Compostela and Balintawak (Quezon) stations to be consistent with the Standard Equipment Identification and Labeling (SEIL) conventions being implemented by NGCP.
Details of MNM Issue 70.0 (February 22, 2013)	
a.	Change in impedance parameters of Magat transformer 2 (T2) to reflect its upgraded capacity from 112.5 MVA to 130 MVA.
b.	Renaming of breakers at Magat stations to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention being implemented by NGCP.
Details of MNM Issue 71.0 (March 5, 2013)	
a.	Modeling of 70 MW (2x 35MW) generating unit of Petron Bataan Refinery connected to the BCCPP station. The generating unit will have a resource name of 1PETRON_G01.
Details of MNM Issue 72.0 (May 14, 2013)	
a.	Modeling of additional capacitor banks at the Biñan (2x100 MVar), Cabanatuan(1x100 MVar), Dasmariñas(2x100 MVar), Mexico(2x100 MVar), and Sucat(2x50 MVar) substations
Details of MNM Issue 73.0 (May 22, 2013)	
a.	Additional bays at Bayombong and Laoag stations;
b.	Change in breaker names at Cabanatuan, Bayombong, Laoag, and Mexico substations to be consistent with the System Operator's Standard Equipment Identification and Labeling convention.
Details of MNM Issue 74.0 (August 12, 2013)	
a.	Change in transformer parameters due to the upgrade of 230/13.8kV Magat transformer 3 (T3) from 112.5 MVA to 130 MVA.
Details of MNM Issue 75.0 (September 10, 2013)	
a.	Re-configuration of the Naga-Daraga-Tiwi 230 kV corridor to its final scheme. Re-configuration involved removing the second Naga-Daraga 230 kV line, and energizing the 230 kV lines connecting Tiwi A to Naga and Daraga stations.
b.	Renaming of breakers at Angat station to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention being implemented by NGCP.
Details of MNM Issue 76.0 (September 17, 2013)	
a)	Modeling of new 300 MVA 230/69 kV transformer 4 (T4) connected at the Batangas station. Commissioning date of the said transformer is set within September 2013.
b)	Renaming of breakers at Ambuklao station to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention being implemented by NGCP.
Details of MNM Issue 77.0 (November 5, 2013)	
a)	Modeling of new 20MW Maibarara Geothermal Power Plant with resource name 3MGPP_G01 connected to the 3CALAUAN station in the MNM.
Details of MNM Issue 78.0 (November 11, 2013)	
a)	Modeling of the new 150 MVA, 230/138kV Compostela transformer.

Item	Summary of MNM Change
b)	Modeling of new Laoag 7.5 MVar capacitor bank.
c)	Change in breaker names at the Binga station, to be consistent with the System Operator's Standard Equipment Information Labeling convention.
Details of MNM Issue 79.0 (November 29 2013)	
a)	Upgrade of San Jose 115/34.5 kV transformer from 25 MVA to 85 MVA
b)	Change in breaker names at the San Jose and Trans-Asia stations, to be consistent with the System Operator's Standard Equipment Information Labeling convention.
Details of MNM Issue 80.0 (December 10 2013)	
a)	Modeling of 300 MVA 230/115 kV Dasmariñas transformer 9 (T09) as replacement to the damaged 300 MA transformer 4 (T04).
b)	Change in breaker names at the Bauang station, to be consistent with the System Operator's Standard Equipment Identification and Labeling convention.
Details of MNM Issue 81.0 (January 9, 2014)	
a)	Modeling of new 100 MVA, 230/69 kV Transformer No. 3 (T3) at the Concepcion substation.
b)	Modeling of a new 300 MVA, 230/69 kV Transformer No. 3 (T3) at the Mexico substation.
Details of MNM Issue 82.0 (February 6, 2014)	
a)	Modeling of new generating units of La Farge (Batangas) Power Plant. The said units will be embedded at the Batangas station: 3LAFARG_G01 and 3LAFARG_G02
b)	Disaggregation of the following generating units in preparation for the Reserve Market: 1. Ambuklao 2. Binga 3. Magat 4. Pantabangan
Details of MNM Issue 83.0 (February 19, 2014)	
a)	Reconfiguration at San Esteban station: i. Additional bay 83 ii. Renaming of breakers iii. Transfer of San Esteban-Bakun 230 kV line to the new bay 83
b)	Modeling of disaggregated units in preparation for the reserve market: i. Casecan (2 units) ii. San Roque (3 units)
Details of MNM Issue 84.0 (February 27, 2014)	
a)	Modeling of disaggregated units in preparation for the reserve market: i. Palinpinon 1 (3 units) ii. Palinpinon 2 (4 units) iii. Tongonan/ LGPP (3 units)
Details of MNM Issue 85.0 (March 12, 2014)	
a)	Modeling of disaggregated units in preparation for the reserve market: i. 1BAUANG_G01 to 1BAUANG_S01, 1BAUANG_S02 and 1BAUANG_S03 ii. 5CEDC_G01 to 5CEDC_U01, 5CEDC_U02 and 5CEDC_U03 iii. 8PEDC_G01 to 8PEDC_U01 and 8PEDC_U02
Details of MNM Issue 86.0 (March 27, 2014)	
a)	Replacement of damaged 300 MVA 230/115 kV transformer 5 (T5) at Dasmariñas station. Modeling of 50 MVA Nasulo generating unit at the PGPP2 station.
b)	Modeling of 50 MVA Nasulo generating unit at the PGPP2 station.
Details of MNM Issue 87.0 (April 10, 2014)	
a)	Modeling of a fourth 600 MVA 500/230 kV transformer bank (T8) at the Dasmariñas station;
b)	Modeling of a fourth 300 MVA 230/115 kV transformer bank (T4) at the Sucat station;
c)	Transfer of Naga termination points of the Naga-Tayabas 230 kV line 1 and line 2.
Details of MNM Issue 88.0 (May 8, 2014)	
a)	Transfer of connection point of Panay Power Corporation (8PPC_G01) from Sta. Barbara Station to the PEDC station.
b)	Disaggregation of the Bohol Diesel Power Plant (7BDPP_G01) into two bays (7BDPP_B01 and 7BDPP_B01) with 2 units per bay, in preparation for the Reserve Market.
Details of MNM Issue 89.0 (May 16, 2014)	

Item	Summary of MNM Change
a)	Modeling of the 13 MW San Carlos Solar Power Plant (6SACASL_G01) embedded to the Cadiz station.
b)	Modeling of a new 69 kV Ceneco feeder at the Bacolod station (6BACOL_T1L2)
c)	Renaming of breakers at Bacolod station to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 90.0 (June 25, 2014)	
a)	Network change in Bohol Grid to include the new 138/69 kV Corella Substation
b)	Change in impedance of Nabas-Panit-an 138 kV Line
c)	Change in breaker names at the Ubay and Sta. Barbara substations to be consistent with the Standard Equipment Identification and Labeling (SEIL) being implemented by NGCP.
Details of MNM Issue 91.0 (September 1, 2014)	
a)	Modelling of the new 12 MW San Jose City I Power (1IPOWER_G01) that is embedded at the Cabanatuan Substation
b)	Modelling of the new 40 MW Majestics Energy Corporation (3MEC_G01) that is embedded at the Dasmariñas substation
c)	Renaming of breakers at the Calaca Substation to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 92 (September 30, 2014)	
a)	Modelling of the new Salong 230 kV Substation that shall also include the 2 x 135 MW Coal-fired power plant of South Luzon Thermal Energy Corporation
b)	Modelling of the new Burgos 115 kV Substation that shall also include a 150 MW Wind Farm
c)	Modeling of the new 50 MVA 138/69/13.8 kV Transformer at the Calung-Calung Substation
d)	Renaming of breakers at the Calung-Calung Substation to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 93 (October 20, 2014)	
a)	Modeling of the new Pagudpud 115 kV Substation that shall also include the 81 MW Caparispisan Wind Farm (Ilocos Norte)
b)	Modeling of the new 27x2 MW Wind Farm of San Lorenzo that is embedded at the Sta. Barbara 138/69/13.8 kV Substation (Panay)
c)	Modeling of the new 100 MVA, 138/69 kV Transformer 2 for the VECO AYA substation through the New Naga (Colon) 138 kV Substation (Cebu)
d)	Relocation of the CEMEX Power Plant representation from the Old Naga Substation to the New Naga (Colon) Substation (Cebu)
e)	Modeling of the new 300 MVA, 230/69 kV Transformer 5 at the Batangas Substation
f)	Renaming of breakers at the Batangas and Quiot Substations to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 94 (November 03, 2014)	
a)	Reconfiguration of the La Trinidad Substation in preparation for the commissioning of the new 300 MVA, 230/69/13.8 kV Transformer 3 as part of NGCP's Luzon Substation Expansion 2
b)	Modeling of the new Northwind Facility (1NWIND_G02) at the Laoag Substation as part of Northwind's Phase III Project
c)	Modeling of the new 100 MVA 138/69 kV Transformer 2 at the Quiot Substation
d)	Renaming of the breakers at the La Trinidad Substation (Luzon Grid) and Isabel Substation (Visayas Grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 95 (November 27, 2014)	
a)	Modeling of the 46 MW Biomass Power Project of URC-SONEDO (Univeral Robina Corporation – Southern Negros Development Corporation), which shall be embedded at the Mabinay Substation
b)	Modeling of the new SLPGC Substation that shall also include the 2 x 150 MW Coal-Fired Facility of SLPGC (Southern Luzon Power Generation Corporation)
c)	Renaming of breakers at the Amadeo Substation (Luzon Grid) and Mabinay Substation (Visayas Grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 96 (December 18, 2014)	
a)	Modeling of an additional facility for Northern Mini Hydro Corporation's (NMHC) Irisan 3 at the La Trinidad Substation
b)	Modeling of the 8 MW generating facility of Hawaiian Philippines Company (HPCo), which shall be embedded at the Cadiz Substation

Item	Summary of MNM Change
c)	Renaming of breakers at the substations of La Trinidad (Luzon Grid) and Cadiz (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 97 (January 08, 2015)	
a)	Reconfiguration of Limay (Bataan) Substation involving the following changes <ul style="list-style-type: none"> Replacement of the 50 MVA Transformer Unit 1 with a new 100 MVA Transformer Renaming of Limay to Bataan Substation for the associated equipment in the said substation
b)	Modeling of a new 50 MVA, 230/69/13.8 kV Transformer in the Ambuklao Substation where a new load shall be modelled to represent the PEZA's interface to the grid through the Ambuklao Substation.
c)	Renaming of breakers at the substations of Limay [Bataan] (Luzon Grid) and Babatngon (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 98 (February 13, 2015)	
a)	Modeling of the 50 MW Nabas Wind Power Plant (NWPP) of PetroGreen Energy Corporation (PGEC) that shall be embedded at the Nabas Substation
b)	Renaming of Limay Substation to Bataan Substation
c)	Renaming of breakers at the substations of Bakun, Bantay (Luzon Grid), Maasin, and Paranas (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 99 (March 12, 2015)	
a)	Reflect reconfigurations at the Calaca and SLPGC substations
b)	Modeling of the 12.5 MW Bataan 2020 Co-generation plant, which shall be embedded at the Hermosa substation
c)	Renaming of the Kalayaan EHV to Lumban substation
d)	Reconfiguration in the Market Network Model involving the decommissioning of Kalayaan-Makban 230 kV Line and the energization of the Lumban-Bay 230 kV L2
e)	Modeling of the 3.7 MW EDC Burgos Solar Power Plant, which shall be located at the Burgos substation
Details of MNM Issue 100 (March 19, 2015)	
a)	Modeling of Millenium Energy Inc.
b)	Modeling of the 12.5 MW Bataan 2020 Co-generation plant, which shall be embedded at the Hermosa substation
c)	Renaming of the Kalayaan EHV to Lumban substation
d)	Reconfiguration in the Market Network Model involving the decommissioning of Kalayaan-Makban 230 kV Line and the energization of the Lumban-Bay 230 kV L2
e)	Modeling of the 3.7 MW EDC Burgos Solar Power Plant, which shall be located at the Burgos substation
Details of MNM Issue 101 (May 09, 2015)	
a)	Modeling of the 82 MW ANDA Power Plant located at the Mexico 230/69 kV substation.
b)	Reconfiguration at the Kalayaan, Calauan, Makban and Lumban given the energization of the two lines connecting Makban and Lumban
c)	Modeling of customer nodes at the following substation to represent their respective station use <ol style="list-style-type: none"> Burgos 115 kV Station Use Modeling of the Pagudpud 115 kV Station Use Modeling of the SLPGC 230 kV Station Use
d)	Reconfiguration at the La Trinidad 230/69 kV substation
e)	Renaming of breakers at the substations of Curimao, Duhat (Luzon Grid), Tongonan, and KSPC (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 102 (May 24, 2015)	
a)	Modeling of the 1.22 MW SM North Edsa Solar Power Plant, which shall be an embedded generator located at the Balintawak 115 kV substation
b)	Reconfiguration at the Dasmariñas 115 kV substation, which includes the modeling of a dedicated load to reflect MERALCO's consumption through the Dasma-Imus 115 kV Line.
c)	Reconfiguration at the Kalayaan, Calauan, Makban and Lumban given the transfer of Kalayaan-Malaya 230 kV L1 to Lumban-Malaya 230 kV L1
d)	Reconfiguration at the San Jose EHV 500/230 kV substation given the de-commissioning of San Jose EHV T04
e)	Reconfiguration at the Batangas 230/69 kV substation given the shutdown of Batangas Transformer T04 and energization of the new Batangas 300 MVA Transformer T05
f)	Reconfiguration at the Calaca and SLPGC substations given the expected synchronization of SLPGC

Item	Summary of MNM Change
	unit 1
g)	Removal of CTPP Units 1 and 2 from MNM in view of the respective facilities' de-registration in the WESM
h)	Renaming of breakers at the substations of Labrador, Malolos (Luzon Grid), Daan-Bantayan, and Toledo (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 103 (June 16, 2015)	
a)	Modeling of the new 100 MVA, 230/69 kV Transformer at Makban (Bay) substation that is set to be commissioned as part of Luzon Substation Expansion 3
b)	Reconfiguration at the Kalayaan and Lumban substations to include the new Kalayaan-Lumban 230 kV Line 2
c)	Modeling of the 9.3 MW Montalban Methane Power Plant, which shall be embedded at the Dolores substation
d)	Reconfiguration at the 115 kV substations of Angat and San Jose to reflect transfer of connections of RCC Bulacan, Holcim, and Trans Asia to the grid
e)	Reconfiguration at the Mexico substation involving the new 100 MVA, 230/69 kV Transformer No. 5
f)	Reconfiguration at the Cebu (Banilad) substation involving an additional 7.5 MVAR Capacitor Bank
g)	Modelling of customer nodes representing the station use at each of the substations of Ambuklao, Bacnotan, and Bauang
h)	Renaming of breakers at the substations of Masinloc, Pantabangan (Luzon Grid), and Old Naga (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 104 (August 10, 2015)	
a)	Reconfiguration at the SLPGC and Calaca substation given the recent synchronization of SLPGC Unit 1 and the energization of Calaca-SLPGC 230 kV Line 2
b)	Modeling of the AVION Substation, which shall include the AVION Power Plant
c)	Reconfiguration at the Batangas substation to reflect the re-energized 300 MVA Transformer
d)	Reconfiguration at the Bayombong substation that shall include an additional 75 MVA 230/69kV Transformer T02
e)	Modeling of the 54 MW AWOC Wind Power Plant, which shall be represented as an embedded generator at the 115 kV substation of Malaya
f)	Re-configuration at the Bohol substation to relocate Generators from Ubay substation to Corella substation
g)	Re-configuration at the Sta. Barbara and Paranas substations
h)	Modelling of customer nodes representing the station use at each of the substations of Bantay, Bayombong, and Botolan
i)	Renaming of breakers at the substations of San Manuel (230 kV), San Roque (Luzon Grid), and Palinpinon 1 (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 105 (August 26, 2015)	
a)	Reconfiguration at the Mexico 230/69 kV substation
b)	Modeling of the Isabela Biomass Electric Corporation (IBEC), which shall be embedded at the Santiago substation
c)	Modeling of the PANGEA Power Plant, which shall be embedded at the Araneta substation
d)	Modeling of customer nodes representing the station use at each of the substations of Avion and Clark
e)	Deletion of the aggregate generating units of Ambuklao, Binga, Magat, Pantabangan, and San Roque since these are not used in the WESM Commercial Operations
f)	Renaming of breakers at the substations of San Manuel (230 kV), Santiago (Luzon Grid), and Nabas (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 106 (September 06, 2015)	
a)	Reconfiguration at the San Esteban Substation, which involves the replacement of its 50 MVA Transformer
b)	Reconfiguration at the Cadiz Substation to include the 2nd Sacasol facility in Negros to reflect the aggregate generation of Sacasol plants C and D
c)	Renaming of breakers at the substations of Sual, Subic, Tuguegarao, Dolores (Luzon Grid), Lapu-Lapu and Mandaue (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling

Item	Summary of MNM Change
	(SEIL) convention of NGCP
Details of MNM Issue 107 (September 25, 2015)	
	Reconfiguration at the San Esteban and Laoag substations to include the San Esteban-Laoag 230 kV Lines 1 and 2
Details of MNM Issue 108 (November 04, 2015)	
a)	Reconfiguration at the Binga Substation, which involves a new 50 MVA Transformer
b)	Reconfiguration at the Batangas Substation
c)	Reconfiguration at the Calaca Substation
d)	Reconfiguration at the Cadiz Substation, which involves the Victoria Milling Corporation (VMC)
e)	Modeling of customer nodes representing the station use at each of the substations of Bataan, Hanjin (Cawago), Cabanatuan, and Concepcion
f)	Renaming of breakers at the substations of Amadeo, Bacman (Luzon Grid), and Panit-an (Visayas grid) to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 109 (November 20, 2015)	
a)	Reconfiguration at the Dasmarinas Substation, which involves the relocation of the 300 MVA Transformer Unit 9
b)	Reconfiguration at the Burgos Substation, which involves the addition of a 78 MVA Transformer Unit 3
c)	Renaming of breakers at the substations of Calauan and Caliraya to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 110 (December 08, 2015)	
a)	Reconfiguration at the Clark Substation, which involves a new 100 MVA Transformer Unit 5
b)	Reconfiguration at the Sta. Barbara Substation, which involves the 10 MVA COSMO Solar Power Plant
c)	Disaggregation of PDPP3 plant to five (5) generating units.
d)	Renaming of breakers at the substations of San Manuel EHV, Dasma EHV, Gumaca, Ilijan, and Kalayaan to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 111 (December 23, 2015)	
a)	Reconfiguration at the Masiway Substation, which involves a new 15 MVA Transformer
b)	Reconfiguration at the Calaca Substation, which involves the upgraded 400 MVA Transformer for Calaca Unit 2
c)	Reconfiguration at the Sta. Barbara Substation, which involves the new Hydro Electric Power Plant of Villasiga (SUWECO)
d)	Reconfiguration at the Bacolod Substation, which involves the CENPRI Diesel Power Plant
e)	Reconfiguration at the Dasmarinas Substation, which involves the new 300 MVA 230/115 kV Transformer Unit 4
f)	Renaming of breakers at the substations of Labo and Makban A to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 112 (January 08, 2016)	
a)	Reconfiguration at the Hermosa Substation, which involves the YH Green Solar Power Plant
b)	Reconfiguration at the Cabanatuan Substation, which involves the 12 MW Talavera Biomass Power Plant (GIFTC)
c)	Reconfiguration at the Cadiz Substation, which involves the 50 MVA Transformer Unit 2
d)	Renaming of breakers at the substations of Makban B, Makban C and Malaya to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 113 (January 18, 2016)	
a)	Reconfiguration at the Laoag to reflect the additional facility for the Burgos Solar Power Plant
b)	Reconfiguration at the Concepcion Substation to reflect the new 50 MW Solar Power Plant of Petro Solar Corporation
c)	Inclusion of the new 138 kV San Jose Substation, which shall be connected through the Sta. Barbara substation
d)	Reconfiguration at the Bacolod Substation to reflect the new 18 MW Solar Power Plant
e)	Renaming of breakers at the substations of Makban D, Pagbilao and QPPL to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 114 (February 09, 2016)	
a)	Reconfiguration of the 138 kV San Jose Substation, which includes a new load
b)	Reconfiguration of the Babatngon substation, which involves the additional 50 MVA Transformer 3

Item	Summary of MNM Change
c)	Modelling of the new Helios Substation, which involves a new 108 MW Solar Power Plant
d)	Renaming of breakers at the substations of Sta.Rita and Sta.Rosa to be consistent with the Standard Equipment Identification and Labeling (SEIL) convention of NGCP
Details of MNM Issue 115 (February 19, 2016)	
a)	Reconfiguration at the Bakun substation to reflect the replacement of transformers units 1 and 2
b)	Reconfiguration at the Currimao substation to reflect the solar power plant of MAEC
c)	Reconfiguration of the Sta. Rita/San Lorenzo Substation (Luzon) to reflect the new San Gabriel Power Plant
d)	Modelling of the new 138 kV Concepcion substation in Visayas, which includes the Palm Concepcion Coal fired power plant.
e)	Removal of the per-unit generating unit representations of Bauang, Casecnan, Tongonan, CEDC, PGPP1, PGPP2, and PEDC
f)	Modeling of customer trading nodes to represent the station use at each of the substations of Cruz na Daan, Currimao, and Gamu
Details of MNM Issue 116 (February 22, 2016)	
a)	Reconfiguration at the Mexico substation to include the additional facility of Raslag
b)	Reconfiguration at the Balintawak substation to include the new Valenzuela Solar Power Plant
c)	Reconfiguration at the Calaca substation to include the new Calatagan Solar Power Plant
d)	Reconfiguration at the Amlan substation to include the new Monte Solar Power Plant
e)	Reconfiguration at the Cadiz substation to include the new San Carlos Sun Power (SACASUN) Solar PV Power Plant
f)	Reconfiguration at the Bacolod substation to include the new Silay Solar PV Power Plant
g)	Modeling of customer trading nodes to represent the station use at each of the substations of Duhat, Hermosa, Labrador, Laoag, La Trinidad, Malolos, and Mariveles
Details of MNM Issue 117 (March 11, 2016)	
a)	Reconfiguration at the Subic substation to include the new Subic Solar Power Plant
b)	Reconfiguration at the Cabanatuan substation to include the new Cabanatuan Solar Power Plant
c)	Reconfiguration at the Mexico substation to include the new Enfinity Solar Power Plant
d)	Reconfiguration at the Sta. Rita/San Lorenzo substation to reflect the final connection of the San Gabriel Power Plant
e)	Reconfiguration at the Mariveles substation to include the new Mariveles Solar Power Plant
f)	Reconfiguration at the Cruz na Daan (San Rafael) substation to include the new Bulacan Solar Power Plant
g)	Reconfiguration at the Botolan substation to include the new Zambales Solar Power Plant of SPARC
h)	Reconfiguration at the Limay substation to include the new Bataan Solar Power Plant of SPARC
i)	Reconfiguration at the Calaca substation to include the Solar Power Plant of Absolut Distillers
j)	Reconfiguration at the Maasin substation
k)	Reconfiguration at the Calung-Calung substation to include the new Toledo Solar Plant
l)	Reconfiguration at the Cadiz substation to include the Manapla (ISLASOL III) Solar Power Plant
m)	Modeling of customer trading nodes to represent the station use at each of the substations of Mexico, New San Manuel, Olongapo, and San Esteban
Details of MNM Issue 118 (March 21, 2016)	
a)	Integration of the new Balingueo substation, which shall cut-in between the substations of Kadampat and Bauang
b)	Reconfiguration at the Cruz na Daan substation to include the new solar plant of SPARC
c)	Reconfiguration at the Concepcion substation to include the new solar plants of NV Vogt
d)	Reconfiguration at the Ormoc substation to include the new solar plant of SEPALCO
e)	Modeling of customer trading nodes to represent the station use at each of the substations of San Jose, San Manuel, Santiago, Tuguegarao, Batangas, Binan and Calauan
Details of MNM Issue 119 (April 06, 2016)	
a)	Modelling of the per-unit representation of CENPRI at the Bacolod substation
b)	Renaming of the two oil-based plants at the Batangas substation from LAFARGE to Republic Cement and Building Materials Inc.
Details of MNM Issue 120 (May 04, 2016)	
a)	Reconfiguration at the Tuguegarao substation to reflect the new 100 MVA Transformer 3
b)	Reconfiguration at the San Esteban substation to reflect the new 50 MVA Transformer 2

Item	Summary of MNM Change
c)	Reconfiguration at the Concepcion substation to reflect changes in the location of the 69 kV feeders
d)	Reconfiguration at the Cebu and New Naga substations to reflect a new set of breakers at these substations
Details of MNM Issue 121 (16 June 2016)	
a)	Modelling of the new 1 MW Bosung Solar PV Plant at the Laoag Substation
b)	Modelling of a new customer market trading node at San Manuel substation to reflect the transferred load from San Manuel EHV Substation
c)	Modelling of the new 50 MVA Transformer Unit 2 at the Botolan Substation
d)	Modelling of the new 50 MVA Transformer Unit 2 at the Labo Substation
e)	Modelling of the following loads as station use: <ul style="list-style-type: none"> 1. MAEC station use 2. San Gabriel station use 3. Unified Leyte station use 4. TPC 1 and 2 station use 5. Helios station use 6. PALM Concepcion station use 7. PDPP3 station use
Details of MNM Issue 122 (30 June 2016)	
a)	Modelling of the new 10 MW Masinloc Energy Storage Project
b)	Reconfiguration at the Santiago substation to reflect changes concerning the 100 MVA Transformer 2
c)	Reconfiguration at the Cabanatuan substation to reflect the transfer of loads at the 69kV level
d)	Reconfiguration at the New San Manuel substation to reflect the additional 100 MVA Transformer 2
e)	Modelling of the new 8.8 MW ASEAGAS Lian Biomass Power Plant at the Calaca Substation
Details of MNM Issue 123 (08 August 2016)	
a)	Reconfiguration at the Cabanatuan Substation to reflect the transfer of loads in the said substation
b)	Reconfiguration at the Nagsaag substation to reflect the new 100 MVA Transformer 2
c)	Reconfiguration at the Toledo substation to reflect the new bays at the said substation
d)	Reconfiguration involving the Kadampat-Balingueo-Payocpoc substations
Details of MNM Issue 124 (19 August 2016)	
a)	Reconfiguration at the Naga Substation to reflect the 5 MW Bicol Biomass Power Plant
b)	Reconfiguration at the Tuguegarao substation, which involves the Gamu-Tuguegarao 230 kV Line, in view of the Santiago-Tuguegarao Transmission Project
c)	Reconfiguration at the Dolores (Taytay) substation to reflect the new Transformer Unit 5
d)	Reconfiguration at the PEDC substation to include the PEDC's new 150 MW Unit 3
e)	Reconfiguration at the New Naga and Calung-Calung substations to include the two (2) new 138 kV Lines between the said substations
Details of MNM Issue 125 (01 October 2016)	
a)	Reconfiguration at the Tuguegarao Substation
b)	Reconfiguration at the PEDC substation to reflect PEDC Units 1 and 2 that is pending disaggregation in the MNM
c)	Reconfiguration at the Avion substation in preparation for its disaggregation in the MNM
d)	Removal of generating units that are not used in the MNM
e)	Updating of the network parameters of Botolan's Transformer Unit 2
f)	Integration of the Lamao substation, which includes the 150 MW SMCCPC Power Plant
Details of MNM Issue 126 (26 October 2016)	
a)	Reconfiguration at the Bacolod and Barotac substations, which includes the energization of the 230 kV Negros-Panay Submarine Cable Interim Connection
b)	Integration of Smithbell Hydro Power Plant at the Bayombong substation
c)	Reconfiguration at the Ormoc substation
d)	Integration of CW Home Depot Solar PV Plant near the Sta. Rosa substation
e)	Reconfiguration at the Sta. Barbara substation
f)	Reconfiguration at the Balingueo substation
g)	Updating of network parameters for the new Sta. Rita Unit 20 Generator Transformer
h)	Reconfiguration at the Daraga substation
i)	Reconfiguration at the Tuguegarao substation
j)	Further removal of some generating units that are not used in the MNM

Item	Summary of MNM Change
Details of MNM Issue 127 (25 November 2016)	
a)	Reconfiguration at the Clark substation to reflect an up-to-date network topology
b)	Reconfiguration at the Concepcion substation to reflect an up-to-date network topology
c)	Reconfiguration at the Lamao substation to reflect an up-to-date network topology
d)	Reconfiguration at the Tuguegarao substation due to the commissioning of new equipment
e)	Reconfiguration at the BCCPP substation to reflect an up-to-date network topology
f)	Modelling of the UPPC Co-generation plant at the Mexico substation
g)	Modelling of the new Pagbilao Transformer Unit 5
h)	Removal of the aggregate units of Avion and PEDC after transitioning to its disaggregated units
Details of MNM Issue 128 (27 December 2016)	
a)	Reconfiguration at the Ormoc substation to reflect the new and replacement transformers at the said substation, including other reconfigurations at the same substation
b)	Reconfiguration at the Sta. Barbara and San Jose substations to reflect transfer of tapping point
c)	Reconfiguration at the Sta. Barbara substation to reflect updates on its new configuration
d)	Reconfiguration at the Ormoc and Maasin substations to reflect changes in the tapping points for the two lines connecting these two substations, as well as other reconfigurations in the same substations
e)	Reconfiguration at the Babatngon and Paranas substations to reflect the up-to-date representation of the tapping point at the said substations
f)	Updating of the representation of the Dasmariñas 230/115 kV
Details of MNM Issue 129 (26 January 2017)	
a)	Reconfiguration at the Sta. Barbara substation to reflect the latest network configuration at the said substation
b)	Reconfiguration at the PEDC substation to reflect the latest network configuration at the said substation
c)	Modelling of CENPRI's Unit 4 that is embedded at the Bacolod substation
d)	Reconfiguration at the Balingueo substation to reflect the latest network configuration at the said substation
e)	Reconfiguration at the Gumaca substation to reflect the new 50 MVA 230/69 kV Transformer Unit 2
f)	Reconfiguration at the San Jose substation to reflect the latest network configuration, particularly involving the 69 kV feeders at the said substation
g)	Updating of network parameters and configuration involving the lines connected to the New Naga (Colon) substation
h)	Reconfiguration at the CEDC substation to reflect the disaggregated units of CEDC Plant
Details of MNM Issue 130 (27 February 2017)	
a)	Reconfiguration at the San Esteban substation to reflect changes in the network topology at the 69 kV side
b)	Modelling of the two new Gas Turbines of SLPGC
c)	Modelling of SMC Unit 2 at the Lamao Substation
d)	Reconfiguration at the San Manuel substation to reflect changes in the network topology at the 69 kV side
e)	Reconfiguration at the Tongonan substation to reflect the upgrade of Tongonan's Transformer Unit 1
f)	Reconfiguration at the Samboan substation to reflect its new Transformer Unit 2
g)	Reconfiguration at the Ormoc substation to reflect the changes in the network topology at the 69 kV side
Details of MNM Issue 131 (01 April 2017)	
a)	Reconfiguration at the Lumban substation in view of the commissioning of a breaker and an additional tie-line between Lumban and Kalayaan
b)	Updating of Generator Breakers of GNP
c)	Updating of the technical parameters of Clark Transformer Units 3 and 4
d)	Batangas re-configuration due to a transfer of its 69 kV load
e)	Updating of the technical parameters of Bacman Transformer Units 1 and 2
f)	Disaggregation of Palipinon to its individual units
g)	Removal of the aggregated resource of CEDC
h)	Inclusion of an additional resource to represent the station use of SMC Unit 2

Item	Summary of MNM Change
Details of MNM Issue 132 (26 April 2017)	
a)	Reconfiguration at the Lamao, BCCPP, and Mariveles substations to reflect the commissioning of the Lamao-BCCP 230 kV Line 1 and Lamao-GN Power 230 kV Line 1
b)	Reconfiguration at the Daraga substation due to the transfer of the Daraga-Bacman 230 kV Line 1 to another bay
c)	Reconfiguration at the Batangas substation due to the addition/transfer of loads in the said substation
d)	Reconfiguration at the Zapote (Las Pinas) substation to the integrate its new 300 MVA Transformer Unit 4
e)	Inclusion of Power Barge 103 at the Panay substation
f)	Reconfiguration at the Bacolod substation to the integrate its new 100 MVA Transformer Unit 3
Details of MNM Issue 133 (06 June 2017)	
a)	Transfer of Clark Solar from Mexico substation to the Clark substation
b)	Modelling of the embedded generator PB103 at the Lapu-Lapu substation in the island of Cebu
c)	Modelling of the 35 MVAR Shunt Reactor at the Laoag substation
d)	Reconfiguration at the Daraga substation to include its new 100 MVA transformer
e)	Modelling of the most up-to-date representation of the Sta. Barbara substation
f)	Reconfiguration at the Ormoc substation to reflect its new bay of breakers
Details of MNM Issue 134 (15 July 2017)	
a)	Revision of breaker names at the Las Pinas (Zapote) substation based on the latest information from the System Operator
b)	Reconfiguration at the Daraga substation
c)	Modelling of the 2 MW Biomass Power Plant of Asian Carbon Neutral Power Corp. (ACNC) at the Concepcion substation
d)	Modelling of the Santiago-Tuguegarao 230 kV Line 2
e)	Modelling of the 437 MW Pagbilao Unit 3
f)	Change in network parameters of Tongonan Geothermal Power Plant (TGPP) Transformer Unit 2
Details of MNM Issue 135 (30 August 2017)	
a)	Change in representation and network parameters of Gamu Transformer Unit 1
b)	Reconfiguration at the Lamao substation to include the modelling of the 150 MW SMC Unit 3
c)	Modelling of San Jose City I Power Unit 2 at the Cabanatuan substation
d)	Reconfiguration at the Sta. Barbara substation to reflect the transfer of the tapping point of the Sta. Barbara-Dingle 138 kV Line 2
e)	Reconfiguration at the Amlan substation to reflect the transfer of the tapping point of the Amlan-Nasuji 138 kV Line
Details of MNM Issue 136 (12 October 2017)	
a)	Modelling of the Maris 2x4.2 Mini-Hydro Electric Power Plant at the Santiago substation
b)	Modelling of the disaggregated units of the Bataan Combined Cycle Power Plant
c)	Modelling of the aggregated unit of TMO Power Barge at the Balintawak substation
d)	PALI of disaggregated units of Panay Diesel Power Plant 3
e)	Reflect the most up-to-date representation of Visayas' Central substation
f)	Reflect the most up-to-date representation of Visayas' Cebu (Banilad) substation
g)	Reflect the most up-to-date representation of Visayas' CEDC substation
Details of MNM Issue 137 (12 November 2017)	
a)	Reconfiguration at Santiago substation to reflect its latest representation in the grid
b)	Replacement of Sual Transformer Unit 2
c)	Modeling of the Lumban-Gumaca Line 2 and removal of Kalayaan-Gumaca Line 2
d)	Modeling of the Hawaiian Philippines Company's new 20.85 MW biomass power plant
e)	Reconfiguration at Concepcion (Visayas) substation to reflect its latest representation in the grid
Details of MNM Issue 138 (23 November 2017)	
a)	Modeling of Tapal Wharf Tapping Point at the island of Bohol to include the oil-based power plant Power Barge 104
b)	Reconfiguration of the Concepcion and Barotac Viejo substations in the Visayas grid in view of the entry of Concepcion-Barotac 138kV Line 1 and the re-location of Concepcion-Barotac 138kV Line 2
Details of MNM Issue 139 (06 December 2017)	
a)	Reconfiguration at the Santiago substation
b)	Modelling of the 12.5 MW Maibarara Unit 2 at the Calauan Substation

Item	Summary of MNM Change
c)	Reconfiguration at the Sta. Barbara Substation
d)	Transfer of Hawaiian Philippines Company from Bacolod to Cadiz Substation
Details of MNM Issue 140 (19 December 2017)	
a)	Reconfiguration at the Santiago substation, which includes updates on its transformers network parameters and an additional load
b)	Removal of the aggregate resource 6PAL2A_G01 in view of the completion of its disaggregation to its four (4) individual units
c)	Reconfiguration at the Quezon, San Jose, and Dona Imelda substations in view of the swapping of the 230 kV Lines connecting Quezon to San Jose and Quezon to Dona Imelda
d)	Modelling of the new 300 MVA Transformer 8 (which is the 5th 300 MVA 230/115 kV transformer bank) at the Quezon substation
e)	Modelling of the new 300 MVA Transformer 5 (which is the 5th 300 MVA 230/115 kV transformer bank) at the Dolores (Taytay) substation
f)	Renaming of the Dolores substation to Taytay substation
g)	Modelling of the new substations of Magdugo and Therma Visayas, which shall also include the 2 generating units of Therma Visayas at 176.8 MW each
h)	Reconfiguration at the Amlan substation to keep it up-to-date and reflect all three (3) transformers at the said substation
i)	Updating of the network parameters of the Barotac-Concepcion 230 kV Lines 1 and 2
j)	Modelling of the two new loads at New Naga substation to represent the consumption of power through the lines of VECO-AYA
k)	Renaming of the New Naga substation to Colon Substation
Details of MNM Issue 141 (29 December 2017)	
a)	Reflect the reconfiguration at the Daraga substation
b)	Modelling of the 2 MW biomass facility of Central Azucarera Don Pedro Inc. at the Calaca substation
Details of MNM Issue 142 (30 January 2018)	
a)	Modelling of the station use for the Therma Visayas power plants
b)	Reconfiguration at the Olongapo substation to reflect recent changes in the said substation
c)	Change in the technical parameters of the QPPL-Tayabas Lines 1 and 2
d)	Reconfiguration at the Mexico Substation to reflect recent changes in the said substation
e)	Reconfiguration at the Daraga substation to reflect recent changes in the said substation
f)	Reflecting the actual generator breaker for PEDC Unit 3
g)	Reconfiguration at the Bacman substation to reflect the actual connection of Bacman Unit 3
h)	Reconfiguration at the Central substation to update the bypass connection from Ormoc to Tabango through Central substation
i)	Updating of the network parameters of the San Jose 230/115 kV Transformer 2
Details of MNM Issue 143 (27 February 2018)	
a)	Reconfiguration at the Tuguegarao substation to reflect recent changes in the said substation
b)	Updating of network parameters for Sual Transformer Unit 2
c)	Reconfiguration at the Labrador substation to reflect recent changes at its 69 kV side
d)	Reconfiguration at the Babatngon substation to keep it up-to-date with its actual configuration
e)	Switching of HPCO Units 1 and 2 from Cadiz substation to Bacolod substation
f)	Reconfiguration at the Dingle substation to reflect recent changes in the said substation
Details of MNM Issue 144 (20 March 2018)	
a)	Transfer of Line Termination from Malaya-to-Kalayaan to Malaya-to-Lumban
b)	Renaming of QPPL substation to Mauban substation, including reconfiguration at Mauban substation that involves changes to Mauban-Tayabas 230kV Lines 1 and 2 and addition of load to represent feedback power for San Buenaventura Power Limited
c)	Reconfiguration at the Hermosa 230kV switchyard
Details of MNM Issue 145 (02 May 2018)	
a)	Updating of network parameters of Mexico-Hermosa and Hermosa-Bataan 230 kV Lines
b)	Replacement of the 100 MVA Transformer Unit 2 of San Esteban
c)	Replacement of the 300 MVA Transformer Unit 2 of Las Pinas
d)	Reconfiguration at the Malaya and Kalayaan EHV (Lumban) substations due to changes involving the Malaya-Kalayaan EHV (Lumban) 230 kV Lines

Item	Summary of MNM Change
e)	Updating of network parameters of QPPL-Tayabas 230 kV Line 1
f)	Reconfiguration at the Kadampat and Masinloc substations due to changes involving the Kadampat-Masinloc 230 kV Lines
g)	Reconfiguration at the Mauban substation given the inclusion of the 2x60 MVA Transformers for San Buenaventura Power Limited
h)	Removal of Land-Based Gas Turbines (LBGT) in Naga (Cebu) in view of its de-registration
i)	Reconfiguration at the PEDC substation
j)	Energization of new Transformer Unit 2 at the Maasin substation
k)	Reconfiguration at the Magdugo substation
l)	Inclusion of CENPRI Diesel Unit 5 at the Bacolod substation
Details of MNM Issue 146 (11 June 2018)	
a)	Updating of network parameters and topology representation of San Esteban Transformer Unit 1
b)	Reconfiguration at the Las Pinas (Zapote) substation to include 115 kV breakers at the aggregate load and renaming of the Equipment ID of each transformer
c)	Reconfiguration at the Mauban substation to include pseudo breakers that will separate an equipment's termination from another
d)	Reconfiguration at the Lamao substation to include new station use and SMC's 150 MW generating unit 4
e)	Reconfiguration at the Hermosa substation to relocate the embedded generators YH Green and Bataan 2020 from the Calaguiman 69 kV line to Dinalupihan 69 kV line
f)	Reconfiguration at the Naga (Visayas) and PEDC substations to include pseudo breakers that will separate an equipment's termination from another
g)	Reverting to normal configuration of the 230 kV Central (Kananga Marshalling Station) by removing the temporary bypass connection across the Tabango-Central-Ormoc substations
h)	Reconfiguration at the Concepcion (Visayas) substation to include a new 69 kV feeder
Details of MNM Issue 147 (20 July 2018)	
a)	Reconfiguration at the Tuguegarao substation, which involves the replacement of a new Transformer Unit 1 and the shifting of 69kV loads
b)	Modelling of the two capacitor banks at the Dona Imelda substation
c)	Modelling of the shunt reactor at the Hermosa substation
d)	Updating of network parameters for Hermosa-Bataan 230 kV Lines 1 and 2, and Hermosa-Mexico 230 kV Lines 1 and 2
e)	Transfer of Bataan 2020 and YH Green from the Dinalupihan feeder to Calaguiman feeder at the Hermosa substation
f)	Reconfiguration at the Labo substation, which involves the energization of the 50 MVA Transformer Unit 2
g)	Updating of network parameters for Isabel (Visayas Grid) substation's Transformer Unit 1
h)	Removal of the generating units representing TMO Power Barges (G01-G04) given the completion of its transition to an aggregate resource
i)	Removal of the generating units representing Limay Block A and B given the completion of its transition to an disaggregate resources
Details of MNM Issue 148 (04 September 2018)	
a)	Modelling of pseudo breakers for the single load that represents the power consumed at the Luzon substations of Dona Imelda, Manila, Muntinlupa, Quezon, Taytay, Binan, and Calauan
b)	Re-modelling of San Jose City I Power's generator breakers
c)	Re-configuration at the Naga (Luzon) substation to include the New Naga Transformer Unit 3
d)	Re-configuration of feeder connections at its 69 kV side of the Nabas (Visayas) substation
e)	Re-configuration at the Amlan (Visayas) substation due to paralleling of Transformers 1 and 3
Details of MNM Issue 149 (17 October 2018)	
a.	Reconfiguration at the San Manuel substation (Luzon) that includes the shutdown of the 100 MVA Transformer 1
b.	Update the representation of the Binga substation (Luzon) in the MNM based on its current actual configuration
c.	Reflect the transfer of termination of Kalayaan-Gumaca 230 kV Line 1 from Kalayaan to Lumban
d.	Modelling of the new 200 MVA Casecan Transformer Unit 1 (to replace the existing 150 MVA Casecan Transformer 2)

Item	Summary of MNM Change
e.	Updating of technical parameters for the new Sual Transformer Unit 1
f.	Updating of technical parameters of the Zapote 300 MVA Transformer Banks
Details of MNM Issue 150 (16 November 2018)	
a.	Reconfiguration at the San Manuel substation (Luzon) that includes the energization of the 100 MVA Transformer 1
b.	Transfer of Termination of Quezon-San Rafael 230 kV Line from Quezon side to San Jose side
c.	Reconfiguration at the Caliraya substation, which includes changes in the network parameters of its transformers
d.	Reconfiguration at the San Jose (Luzon) substation, which includes changes in the network parameters of its 230/115 kV transformers
e.	Modelling of the new 100 MVA Batangas Transformer 1
f.	Modelling of the new Ormoc-Babatngon 138 kV Transmission Line 2
Details of MNM Issue 151 (19 December 2018)	
a.	Re-modelling of BCCPP substation in view of (1) energization of the tie-bus between Blocks A and B and (b) completion of a BCCPP 230kV bay, and transfer of connection of Limay (BCCPP) Unit 4
b.	Bundling of Hermosa-Limay 230kV lines 1 and 2, and its eventual swinging from Limay to BCCP to serve as BCCP-Hermosa 230kV Line 3
c.	Replacement of Makban A Transformer 1
d.	Re-configuration at the Daraga substation, which involves the shifting of feeders
e.	Energization of the new 50 MVA 138/69kV Transformer No. 1 at Maasin substation
f.	Modelling of San Carlos Bio Power Plant at the Cadiz substation
g.	Up-rating of Transformer No. 1 from 30 MVA at Calung-Calung substation
h.	Modelling of dedicated load for Carmen Copper at Toledo substation
Details of MNM Issue 152 (01 February 2019)	
a.	Change in technical parameters of Quezon (Balintawak) Transformer No. 8
b.	Change in technical parameters of Daraga Transformer No. 4
c.	Reconfiguration at the Batangas 230/69 kV substation to include transfer/shifting of loads
d.	Reconfiguration at the Mauban substation, including the modelling of San Buenaventura's generating facility
e.	Modelling of Masinloc Unit 3
Details of MNM Issue 153 (15 February 2019)	
a.	Disaggregation of the biomass facility VMC in Negros to two facilities (one in Cadiz, the other in Bacolod)
b.	Deletion of old line between Hermosa and Bataan in view of the line's transfer of termination from Bataan station to BCCPP station
c.	Reflected the connection of the Ormat generating facility to the Makban-A substation
Details of MNM Issue 154 (28 February 2019)	
	Removal of the generating resource of TMO Power Barge (2TMO_PB) from the MNM given the facility's de-registration in the WESM
Details of MNM Issue 155 (19 March 2019)	
a.	Reconfiguration at the Botolan, Hanjin (Subic), and Olongapo substations to reflect the cut-in of the Botolan-Olongapo bypass line
b.	Reconfiguration at the Batangas substation
c.	Reconfiguration at the Hermosa substation
d.	Reconfiguration at the Cebu substation to reflect the new 100 MVA Transformer Unit 3
e.	Reconfiguration at the San Jose EHV substation to reflect the new 83 MVA, 115/34.5kV Transformer 1
f.	Reconfiguration at the Binga, Gumaca, Ilijan, Labo, Makban B, Tiwi A, KSPC, Toledo, Bacolod, and San Jose (Visayas) substations, which include breakers at the high/low side of the transformers
Details of MNM Issue 156 (27 March 2019)	
a.	Energization of the following Capacitor Banks -100 MVAR capacitor banks 5 and 6 at San Jose (Luzon) substation -50 MVAR capacitor bank at Cabanatuan substation -100 MVAR capacitor bank 7 at Mexico substation
b.	Reconfiguration at the Calaca substation, including the new 400 MVA Transformer 1
c.	Re-energization of the Hanjin substation
d.	Energization of San Jose (Luzon) 750 MVA Transformer No. 4
Details of MNM Issue 157 (17 April 2019)	

Item	Summary of MNM Change
a.	Reconfiguration at the Binga substation to reflect the actual connection of relevant equipment
b.	Removal of Bataan-Hermosa Line 230 kV Line 2
c.	Modelling of transformer breakers at San Jose EHV substation (Luzon)
d.	Energization of the following Capacitor Banks <ul style="list-style-type: none"> a. 100 MVAR Capacitor Banks 3 and 4 at Biñan substation b. 25 MVAR Capacitor Bank at Tuguegarao substation c. 100 MVAR Capacitor Banks 3 and 4 at Dasmariñas substation
e.	Updating of technical parameters of BCF Transformer 2 at the Calaca substation
f.	Replacement of Casecan Transformer 1
g.	Replacement of San Jose 230/115 kV Transformer 1
h.	Decommissioning of Bataan (Limay) Transformer 2
Details of MNM Issue 158 (20 April 2019)	
a.	Modelling of the Therma Mobile's embedded power barges at the Balintawak substation
b.	Modelling of the Millenium Energy Inc.'s embedded generating plant at the Balintawak substation
c.	Disaggregation of HEDCOR's generating facility to its Bakun and Ampohaw facilities
d.	Modelling of Tarlac Solar Power Plant 2 (Petro Solar 2)
e.	Disaggregation of Bacman Resources to its units 1, 2, and 3
f.	Reflect the shifting of YH Green and Bataan 2020 to another feeder
g.	Upgrading the Capacitor Bank No. 3 from 50 MVAR to 100 MVAR at Mexico substation
Details of MNM Issue 159 (01 May 2019)	
	Modelling of the Therma Power Visayas Inc.'s generating units at the Naga (Visayas) substation
Details of MNM Issue 160 (22 May 2019)	
a.	Re-configuration at the Cabanatuan substation, which includes the energization of the new 300 MVA Transformer 2
b.	Re-configuration at the Mexico substation, which includes the energization of the new 100 MVA Transformer 4
c.	Re-configuration at the Naga (Luzon) substation, which involves the shifting of loads to the 300 MVA Transformer 3
d.	Updating of the technical parameters of Calaca's Station Service Transformer 2 due to its replacement
Details of MNM Issue 161 (30 May 2019)	
a.	Modelling of PPC's facilities in Panay (Visayas)
b.	Modelling of Concepcion Solar at the Concepcion (Luzon) substation
c.	Modelling of new withdrawal point at the San Jose (Luzon) 115 kV substation
d.	Reconfiguration at the Cebu (Visayas) substation
e.	Removal of aggregated resources of Bacman 1 & 2
f.	Updating of technical parameter of Balingueo's transformer
g.	Shifting of YH Green back to Calaguiman line and Bataan 2020 to Balanga line
Details of MNM Issue 162 (10 June 2019)	
a.	Removal of Tiwi B resource in the Market Network Model
b.	Renaming of 69 kV breaker in Concepcion (Luzon) substation to conform to NGCP's SEIL (Site Equipment Identification and Labelling)
c.	Reconfiguration at the 69 kV side of the Hermosa substation
Details of MNM Issue 163 (24 June 2019)	
a.	Disaggregation of PB101 and PB102 at the Sta. Barbara substation (Visayas)
b.	Modelling of the Majayjay Hydro Power Plant at the Botocan substation (Luzon)
c.	Updates in reflecting resources at the tapping points between the Angat-San Jose Lines 2 and 3
d.	Updates at the Concepcion substation (Luzon) to reflect its actual configuration in the grid
Details of MNM Issue 164 (12 July 2019)	
a.	Reconfiguration at the Bacman substation (Luzon), which involves updating the breaker names to conform to SO's Site Equipment Identification and Labelling
b.	Updating of detailed network definitions at the Balingueo substation (Luzon)
c.	Reconfiguration at the Hermosa substation, which includes the replacement of Hermosa Transformer 1 (from 100 MVA to 300 MVA)
d.	Renaming of PEDC 138 kV substation (Visayas) to Iloilo 1 substation, which shall also include change in the SEIL names of its breakers

Item	Summary of MNM Change
e.	Modelling of the Bineng Hydro Electric Power Plant at the La Trinidad substation
f.	Modelling of the Cagayan Biomass Energy Corporation at the Gamu substation
Details of MNM Issue 165 (20 July 2019)	
a.	Updating of the network configuration at the Dasma EHV substation (Luzon)
b.	Reconfiguration at the Clark substation (Luzon) to include the new 300 MVA Transformer 6, and the inclusion of new customer loads at the said substation
c.	Updating of breaker names at the Luzon substations of Taytay and Avion to conform to SO's Site Equipment Identification and Label (SEIL)
Details of MNM Issue 166 (29 July 2019)	
a.	Updating of Mauban substation (Luzon) to update the synchronization connection of the SBPL and QPPL generating units.
b.	Updating of the San Jose (Visayas) substation based on its actual network configuration.
c.	Updating of the BCCPP substation (Luzon) based on its actual network configuration.
d.	Renaming of Bataan substation to Limay substation, including the renaming of its breakers.
e.	Updating of breaker names at the Bauang substation (Luzon) to conform to SO's Site Equipment Identification and Label (SEIL)
Details of MNM Issue 167 (27 August 2019)	
a.	Updating of the technical parameters of Naga-Daraga 230 kV Line (Luzon)
b.	Updating of the Subic (Luzon) substation based on its actual network configuration, including the renaming of its equipment based on the latest information from SO's updated Site Equipment Identification and Labeling (SEIL)
c.	Modelling of the 25 MVAR shunt reactor at the Tuguegarao substation (Luzon)
d.	Updating of the Tiwi A and Tiwi C (Luzon) substations based on its actual network configuration, including the renaming of its equipment based on the latest information from SO's updated SEIL
e.	Modelling of the new 90 MVAR shunt reactor at Nagsaag (San Manuel) 500 kV substation (Luzon)
f.	Updating of the Binga (Luzon) substations based on its actual network configuration, including the renaming of its equipment based on the latest information from SO's updated SEIL
g.	Updating of the Mabinay substation's (Visayas) Transformer 1 from 30 MVA to 50 MVA transformer at substation
h.	Updating of the Cebu substation's (Visayas) 69 kV side to include a new load source
Details of MNM Issue 168 (09 September 2019)	
a.	Renaming of equipment at the Kalayaan (Luzon) substation based on the latest information from SO's updated Site Equipment Identification and Labelling (SEIL)
b.	Modelling of the 15 MVAR Shunt Reactor at the Daraga (Luzon) substation
c.	Renaming of single 230 kV Line from Santiago to Tuguegarao (Luzon)
d.	Renaming of breaker/s at the Santiago (Luzon) substation, based on its actual name on site
e.	Updates at the Taytay (Luzon) substation, involving renaming of transformer names and changes to Transformer 3's technical parameters
f.	Modelling of 7.5 MVAR Capacitor Bank at the Bantay (Luzon) substation
g.	Modelling of North Negros Biopower at the Cadiz (Visayas) substation
h.	Modelling of South Negros Biopower at the Bacolod (Visayas) substation
i.	Reconfiguration at the Labrador (Luzon) substation to reflect the swinging of loads from one bus to another
Details of MNM Issue 169 (02 October 2019)	
a.	Renaming of equipment at the following substations based on the latest information from SO's updated Site Equipment Identification and Labelling (SEIL) a. Malaya (Luzon) b. San Roque (Luzon)
c.	Replacement of 100 MVAR Capacitor Bank with a new 50 MVAR Capacitor Bank at the Cabanatuan (Luzon) substation
d.	Modelling of two (2) 25 MVAR Capacitor Banks, and a 25 MVAR Shunt Reactor at the Laoag (Luzon) substation
e.	Reconfiguration at the Malaya (Luzon) substation, which includes the commissioning of a new 300 MVA Transformer
f.	Updates at the Taytay (Luzon) substation, involving renaming of transformer names and changes to Transformer 3's technical parameters
g.	Reconfiguration at the San Jose (Luzon) substation, which includes the relocation of one of its transformers to a different termination point
h.	Reconfiguration at the Tuguegarao (Luzon) substation, which includes the relocation of one of its customer feeders

Item	Summary of MNM Change
i.	Replacement of Labo's (Luzon) Transformer 1
j.	Uprating of Tongonan's (Visayas) station service transformers
Details of MNM Issue 170 (18 October 2019)	
a.	Updating of Tayabas substation (Luzon), which includes the disaggregation of one of its 115 kV load
b.	Modelling of ECO Park Solar Power Plant at the Quezon/Balintawak (Luzon) substation
c.	Modelling of the Azucarera de Bais at the Amlan (Visayas) substation CABI
d.	Removal of NNGP (Visayas) substation given it has been disconnected from the Grid
e.	Removal of one station use load at the Mauban (Luzon) substation
f.	Removal of the aggregated resource of HEDCOR at the La Trinidad substation
g.	Updating of San Roque substation's representation in the Market Network Model based on its actual network configuration
h.	Renaming of the San Manuel EHV (Luzon) substation to Nagsaag
Details of MNM Issue 171 (31 October 2019)	
a.	Reconfiguration of the connection of the station use at the Masinloc substation (Luzon)
b.	Swinging of the 230 kV Line from San Jose-to-Balintawak to San Jose-to-San Rafael
c.	Reconfiguration at the Naaga and Tiwi C substations (Luzon), which involves the removal of the Naga-Tiwi C Line 3
d.	Modelling of the new 100 MVA Transformer 1 at the Bayombong substation (Luzon)
e.	Change in termination of the Quezon-Duhart 230 kV Line at the Quezon substation (Luzon)
f.	Removal of the aggregated resource of HEDCOR at the La Trinidad substation
g.	Modelling of the capacitor banks at the Visayas substations of Compostela, Cebu and Corella
h.	Modelling of the disconnect switches for the 138 kV lines connected to the Cadiz substation (Visayas)
Details of MNM Issue 172 (11 November 2019)	
a.	Modelling of Grass Gold Biomass Power Plant at the Cabanatuan substation
b.	Updating of Botolan Transformer 2's technical parameters
Details of MNM Issue 173 (03 December 2019)	
a.	Modelling of the Isabel Ancillary Services Co. at Isabel (Visayas) substation
b.	Modelling of the Cleangreen Biomass Power Plant at the Hermosa (Luzon) substation
c.	Modelling of the Talavera Biomass and VS Gripal Biomass power plants at the Cabanatuan (Luzon) substation
d.	Updating of the technical parameters of all the 138 kV lines connected from the Colon (Visayas) substation
Details of MNM Issue 174 (13 December 2019)	
a.	Renaming of breakers in the multiple substations of Luzon to ensure the MNM's consistency with the System Operator's Site Equipment Identification and Label (SEIL) convention
b.	Modelling of the BOHECO 1 Sevilla Mini Hydro Corporation at the Corella (Visayas) substation
c.	Removal of the AVON generating resource at the Iloilo 1 (Visayas) substation given the recent re-modelling of PPC at the said substation
d.	Removal of the Guimaras generating resource at the Sta. Barbara (Visayas) substation as a result of its de-registration in the WESM
Details of MNM Issue 175 (21 December 2019)	
a.	Modelling of breakers at the BPPC substation (Luzon)
b.	Renaming of breakers at the Luzon substations of Bayombong, Casecnan, and Cruz na Daan
c.	Updating of the technical parameters of Taytay Transformer Bank 4
d.	Modelling of Sta. Clara Loboc HEPP 2 at the Corella substation (Visayas)
e.	Modelling of Pilipinas Shell at the Batangas substation
Details of MNM Issue 176 (06 January 2020)	
a.	Re-modelling of transformers at the Nagsaag 500 kV substation (Luzon)
b.	Updating of breaker name/s at Binga Substation (Luzon) to ensure the MNM's consistency with the System Operator's Site Equipment Identification and Label (SEIL) convention
c.	Modelling of the Biomass Power Plant of Isabela La Suerte Rice Mill at the Gamu substation (Luzon)
d.	Updating of lines' and transformer's technical parameters, including network re-configuration, within/adjacent to the Sta. Rita (Visayas) substation
Details of MNM Issue 177 (13 February 2020)	
a.	Updating of breaker name/s at several substations in Luzon and Visayas to ensure the MNM's consistency with the System Operator's SEIL Convention
b.	Removal of the 230/138 kV Transformer 2 at the Compostela substation (Visayas)
c.	Removal of a 69 kV feeder at the Batangas substation (Luzon)

Item	Summary of MNM Change
d.	Re-modelling of the connection of Bataan 2020 and YH Green to the 69 k Calaguiman feeder at the Hermosa substation (Luzon)
e.	Modelling of the GN Power Dinginin 500 kV substation (Luzon)
f.	Reconfiguration at the San Jose substation (Luzon)
g.	Removal of the disaggregated generating units of Sta. Barbara Power Barges at the Sta. Barbara substation (Visayas)
Details of MNM Issue 178 (20 March 2020)	
a.	Updating of breaker name/s at several substations in Luzon and Visayas to ensure the MNM's consistency with the System Operator's SEIL Convention
b.	Relocation of some embedded generators in Metro Manila based on their nearest connection to the grid
c.	Renaming of Balintawak substation to Quezon substation, including the renaming of its adjacent transmission lines
d.	Swinging of Quezon-Marilao 230 kV Line from Bay 82 to Bay 83 at Quezon substation
e.	Reconfiguration at the Labrador substation (Luzon)
f.	Relocation of the embedded generators First Soleq Energy Corp. (4PHSOL_G01) and Sulu Electric Power and Light (Phils.) Inc (4SEPSOL_G01) to a different feeder at the Ormoc substation
g.	Removal of the Home Depot Solar generating unit at the Sta. Rosa substation
h.	Modelling of the station use of the Kabankalan Energy Storage Plant
i.	Reconfiguration at the Malaya substation, which involves the de-commissioning of its 75 MVA Transformer
j.	Reconfiguration at the Tayabas substation, which involves the energization of a new 300 MVA 230/115 kV Transformer
k.	Renaming of Central Switching (Visayas) substation to Kananga Marshalling substation
l.	Reconfiguration at the Ormoc substation to reflect the transfer in bay termination of the Kananga-Ormoc 230 kV lines
Details of MNM Issue 179 (07 April 2020)	
a.	Reconfiguration at the San Jose 115 kV substation to include a new load resource
b.	Up-rating of Capacitor Bank No. 2 at the Mexico substation
c.	Modelling of the Kabankalan Battery Energy Storage System
d.	Updating of the MNM representation of the Sta. Barbara substation to reflect its actual network topology
e.	Updating of breaker name/s at several substations in Luzon and Visayas to ensure the MNM's consistency with the System Operator's SEIL Convention
Details of MNM Issue 180 (11 May 2020)	
a.	Updating of the network model representation of the Tuguegarao substation, which involves updating of breaker names and removal of a tie-breaker
b.	Modelling of the Palakpak and Calibato Mini Hydro Electric Power Plants at the Calauan substation
c.	Modelling of the Balugbog Mini Hydro Electric Power Plant at the Caliraya substation
d.	Updating of breaker name/s at the Subic substation to ensure the MNM's consistency with the System Operator's SEIL convention
e.	Updating of the MNM representation of the Palinpinon 1 substation to reflect updated connection of its station use to the grid
Details of MNM Issue 181 (08 June 2020)	
a.	Updating of equipment and breaker names at Ambuklao and Laoag substations to ensure MNM's consistency with the System Operator's SEIL Convention
b.	Removal of unused Load Market Trading Nodes at the Mexico and Batangas substations
c.	Further updating of the MNM representation of the Palinpinon 1 substation to update the station use's connection to the grid
d.	Re-modelling of the Sta. Barbara substation to extend network model up to the 69 kV substation of Buenavista
e.	Reflect an updated representation of the Ubay substation based on its actual network configuration
f.	Relocate COSMO Solar Plant to a downstream feeder of San Jose substation

Details of MNM Issue 182 (03 August 2020)	
a.	Updating of equipment and breaker names at the following substations to ensure the MNM's consistency with the System Operator's SEIL convention <ol style="list-style-type: none"> 1. Batangas substation 2. Currimao substation 3. Laoag substation
b.	Updates on the Network Parameters of a few AC transmission lines in view of the completion of the network model validation activities with System Operator
c.	Modelling of two 100 MVA capacitors at the Taytay substation