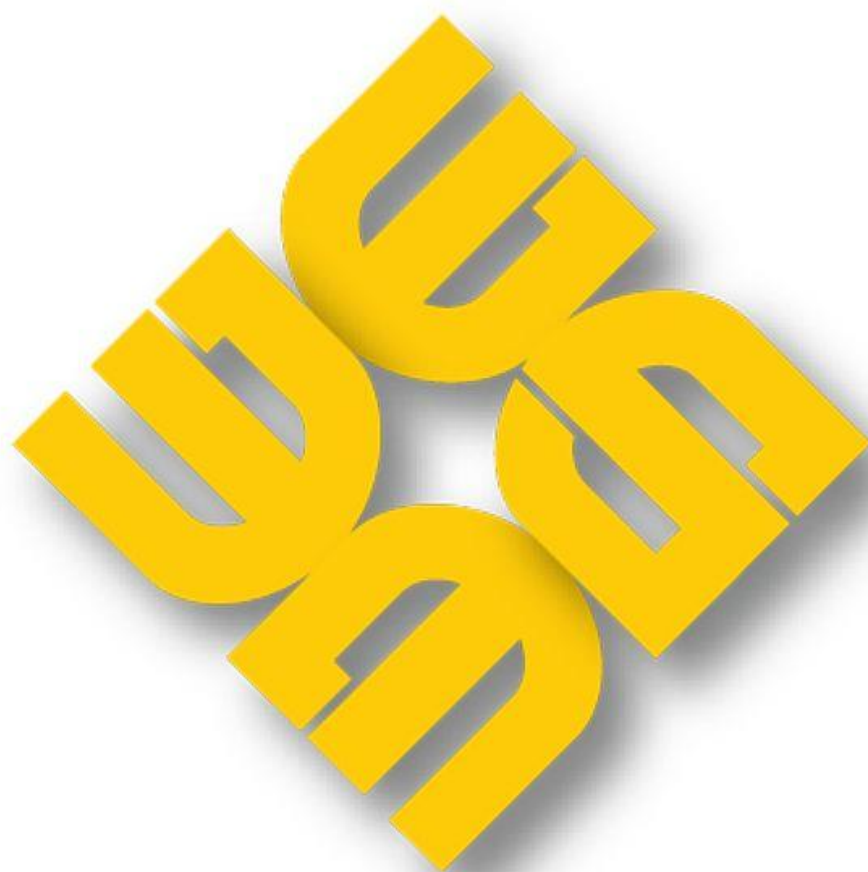


MAG-MMAR-2019-04

MONTHLY MARKET ASSESSMENT REPORT

For the Billing Period 26 March to 25 April 2019



**PHILIPPINE
ELECTRICITY
MARKET
CORPORATION**

**MARKET ASSESSMENT GROUP
(MAG)**

Monthly Market Assessment Report for April 2019 Billing Month

1. Summary

The April billing month was marked by a growing level of demand as temperatures continue to rise on the second month of the summer season. Meanwhile, effective supply decreased due to increase in the capacity not offered. Driven by the increase in demand, some trading intervals observed narrow supply margin which also led to high prices during the period.

In particular, yellow alerts were issued by NGCP-SO from 2 to 3 April. Moreover, from 10 to 15 April, more frequent issuances of yellow and red alerts were noted as well as SO-initiated market intervention. The sustained high prices during the period resulted in the imposition of the secondary price cap which was last imposed in September 2014.

The secondary price cap was imposed during two events of sustained high prices during the billing month. From 10 to 15 April, simultaneous plant outages drove high market prices that affected a total of 44 trading intervals in Luzon and 60 trading intervals in Visayas. On the other hand, the 6.1-magnitude earthquake on 22 April resulted in the outage of several plants in Luzon, and triggered the tight supply margin from 24 to 25 April. This event affected a total of 44 trading intervals in Luzon and 33 trading intervals in Visayas. This led to tight supply margin and high prices towards the end of the billing month triggering the imposition of the secondary cap.

2. Market Outcomes

2.1. Capacity Profile

At the start of the April billing month, the WESM registered capacity increased at 19,062 MW. Starting 13 April, this figure increased up to 19,876 by the end of the month due to the registration of a 213-MW oil-based facility (units 1 to 4) of Therma Mobile, Inc.

Of the said total WESM registered capacity, only about 59 percent or an average of 11,752 MW was offered in the market.

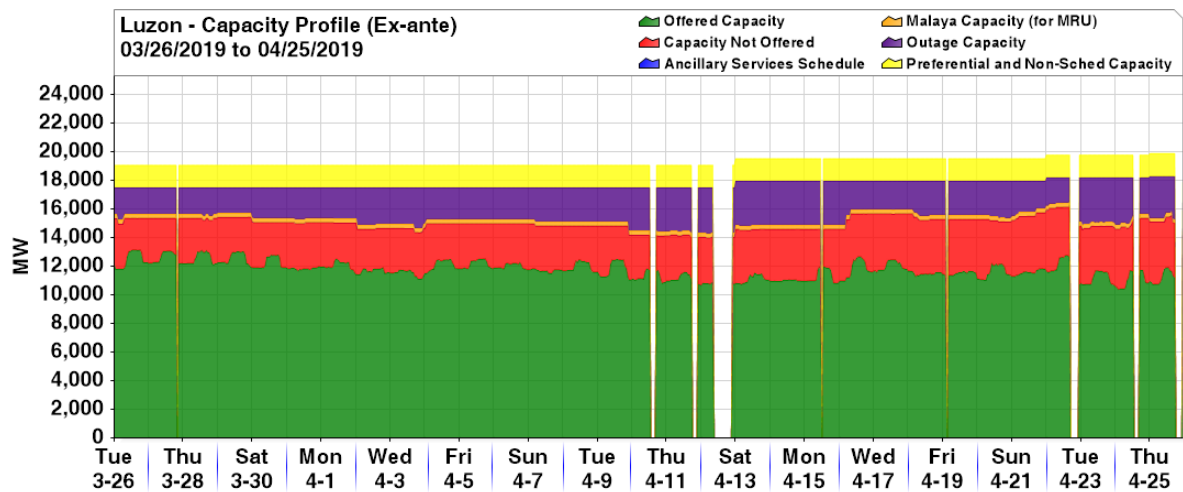


Figure 1. Capacity Profile

| | April 2019 | | March 2019 | |
|---|-----------------|-------------|-----------------|-------------|
| | Average (in MW) | % of RegCap | Average (in MW) | % of RegCap |
| Preferential and Non-Sched Capacity | 1,560 | 8% | 1,558 | 8% |
| Outage Capacity | 2,416 | 12% | 2,663 | 14% |
| Malaya Capacity (for MRU) | 300 | 2% | 300 | 1% |
| Capacity Not Offered | 3,258 | 16% | 2,496 | 13% |
| Offered Capacity | 11,752 | 59% | 11,979 | 63% |
| Registered Capacity (by the end of the billing month) | 19,876 | | 19,062 | |

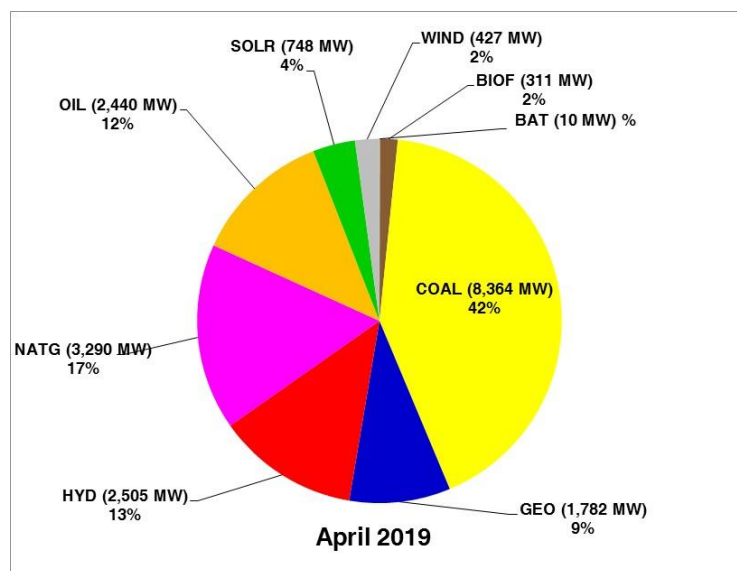


Figure 2. Registered Capacity Mix, April 2019

2.2. Outage Capacity

About 12 percent of the total registered capacity or an average of 2,446 MW were on outage. Bulk of which, at 45 percent, were related to forced outages, averaging at 1,078 MW. Planned outages, averaging at 977 MW, accounted for 41 percent of the total outage capacity.

For April 2 to 3, Pagbilao 3 and San Lorenzo 2 went on outage on top of the existing outages of Pagbilao 1, Calaca 1, Masinloc 2 and SLTEC 1. On April 7, SLPGC 2 went on outage. Meanwhile, Sual 1 also became unavailable on April 9 and SMC 2 on April 11. These outages were all on top of the outages of Calaca 1, Pagbilao 1, SLTEC 1 and Pagbilao3.

On April 22, when the earthquake struck Luzon at 5:11 PM, Mariveles 1 and 2, SMC Limay units 1 to 4, Limay CCGT units 1 to 8, Anda, and Bacman 1 went on forced outages. On April 24, SLTEC 2, Limay 4 and Avion 2 were likewise unavailable while Pagbilao 1, SLPGC 1 and 2, and SLTEC 1 and 2 went on outage on April 25. On April 24, SLTEC 2, Limay 4 and Avion 2 were likewise unavailable while Pagbilao 1, SLPGC 1 and 2, and SLTEC 1 and 2 went on outage on April 25.

On the other hand, based on type of resource, coal plants contributed 60 percent of the total outage capacity this month.

Lower level of capacity on outage was recorded this month at 2,416MW compared to an average of 2,663 MW in March.

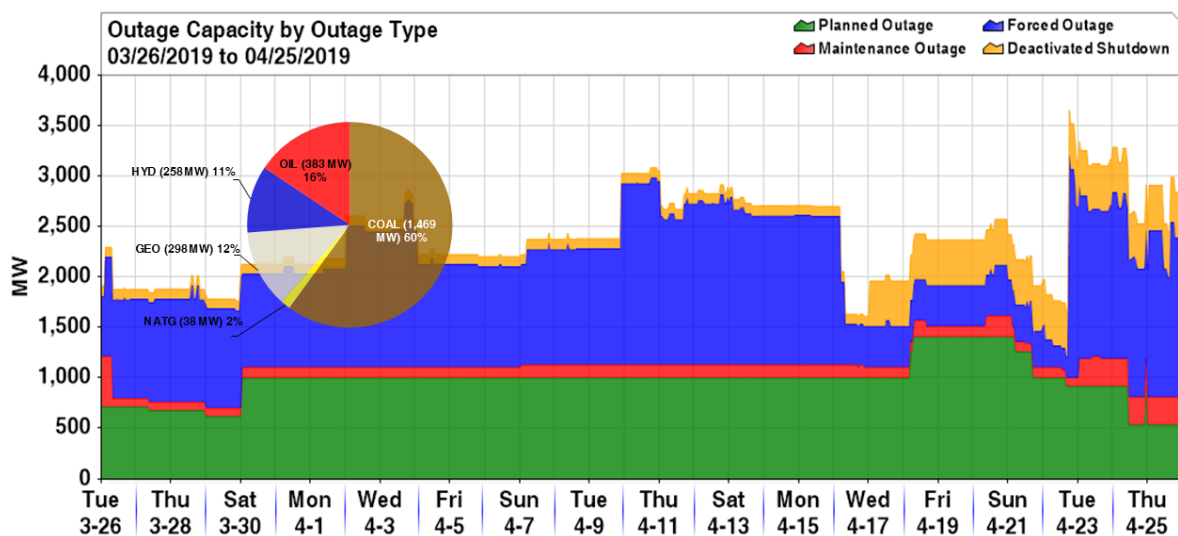


Figure 3. Outage Capacity by Outage Category

2.3. Supply and Demand

With the unavailability of power plants that went on simultaneous outages, the average effective supply level demonstrated a 0.9 percent decrease to 12,363 MW on the average from 12,481 MW in the previous month with the increase in the capacity not offered for the April billing month. On the other hand, demand went up by 5 percent at 10,294 MW on the average as expected due to hotter temperatures during the summer season. It can be noted as well a decrease in the demand from 16 to 21 April 2019 at an average of 10,467 MW when compared to the previous week with 11,237 MW and the following week of 11,704 MW due to observance of holy week.

Meanwhile, demand plus reserve schedule increased to an average of 11,205 MW, a 1.05 percent higher from 9,801 MW in the previous month. Driven by the increase in demand, supply margin tightened by 29.5 percent at an average of 1,159 MW from 1,644 MW in March.

During the April billing month, it was also noted that series of Market Interventions were initiated by the System Operator due to generation deficiency affecting 16 intervals, 19 intervals due to threat to system security/emergency, and 5 intervals due to force majeure events in Luzon and Visayas. Likewise, the Market Operator initiated MI events on 27 March (2100H) due to database software error, April 15 (1300H) due to linear programming and April 19 (0400H) due to inconsistent outage schedule.

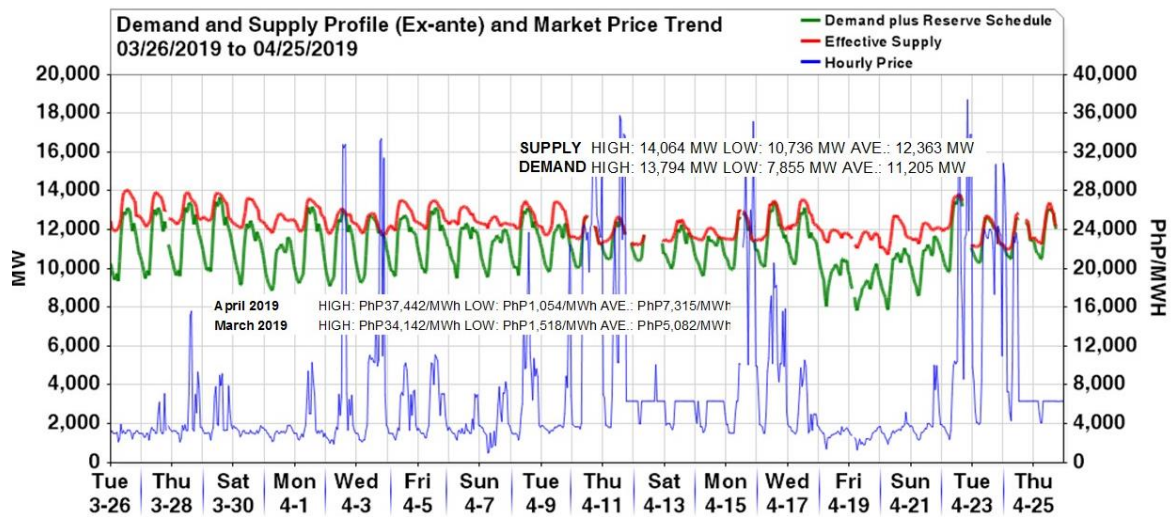


Figure 4. Demand and Supply Profile vs. Market Prices

2.4. Market Prices

Following the tighter supply margin this April billing month, average market price increased by 43.9 percent at PhP7,315/MWh compared to PhP5,082/MWh in March.

The rolling average GWAP breached the PhP9,000/MWh multiple times which led to the imposition of the secondary cap at PhP6,245/MWh during the period 10 to 15 April and 21 to 25 April.

3. Structural Competition Indices

3.1. Pivotal Plants

The market RSI fell below the 100-percent mark which indicates the presence of pivotal supplier for 67.7 percent of the time. This was higher than previous month's 40.5 percent following the tighter supply margin this month. Most

frequent pivotal suppliers during the billing month were Ilijan NGPP, Sual CFTPP, and Sta. Rita NGPP.

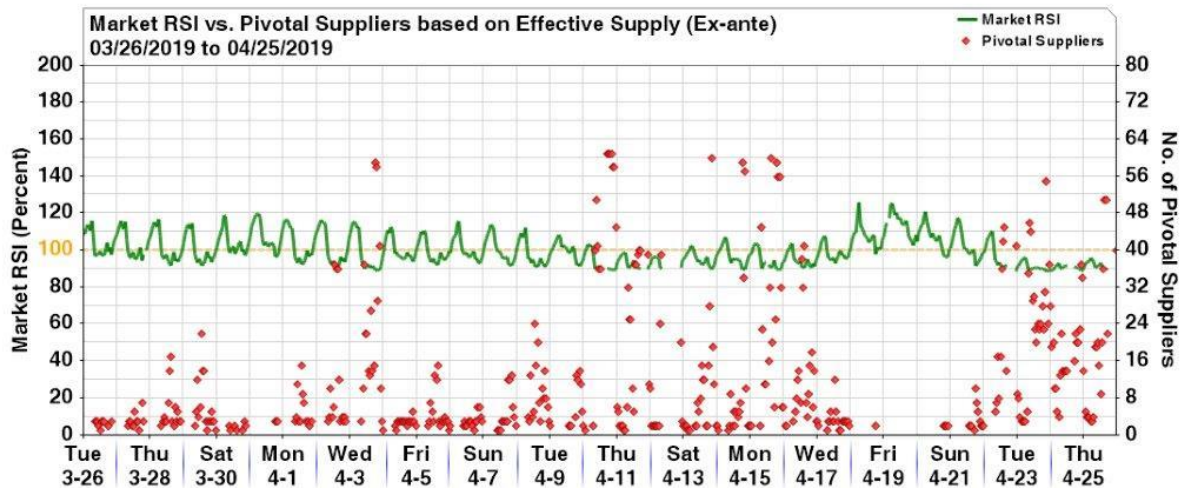


Figure 5. Market RSI vs. Pivotal Suppliers

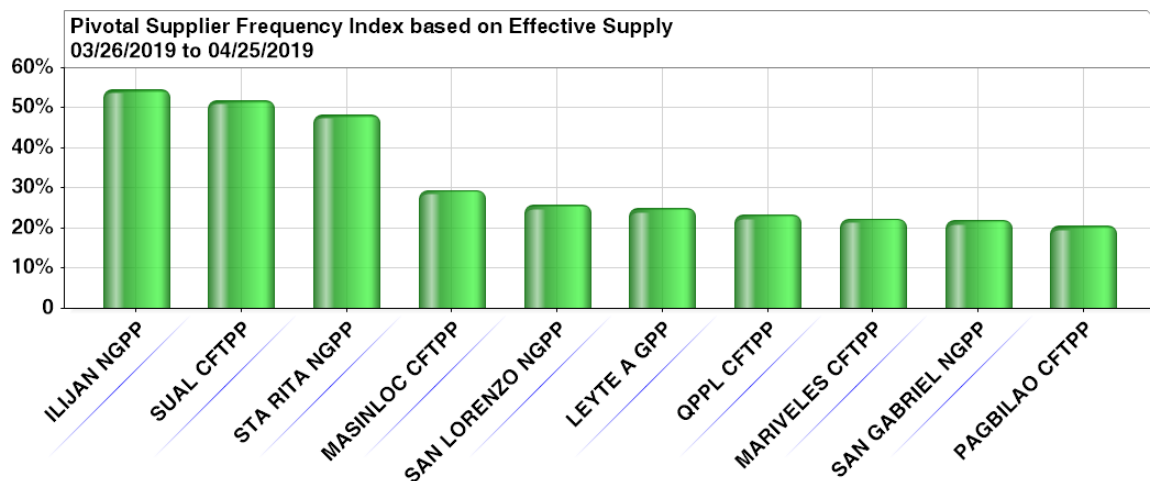


Figure 6. Top Pivotal Plants

3.2. Market Concentration

San Miguel Corporation (SMC), Aboitiz Power (AP), First Gen Corporation (FGC) and Power Sector Asset and Liabilities Management (PSALM) continued to dominate the market. Their combined market share comprised 70.1 percent of the total registered capacity in the WESM. With SMC holding the top spot at 24.8 percent followed by AP (19.5 percent), FGC (14.8 percent) and PSALM (11.0 percent).

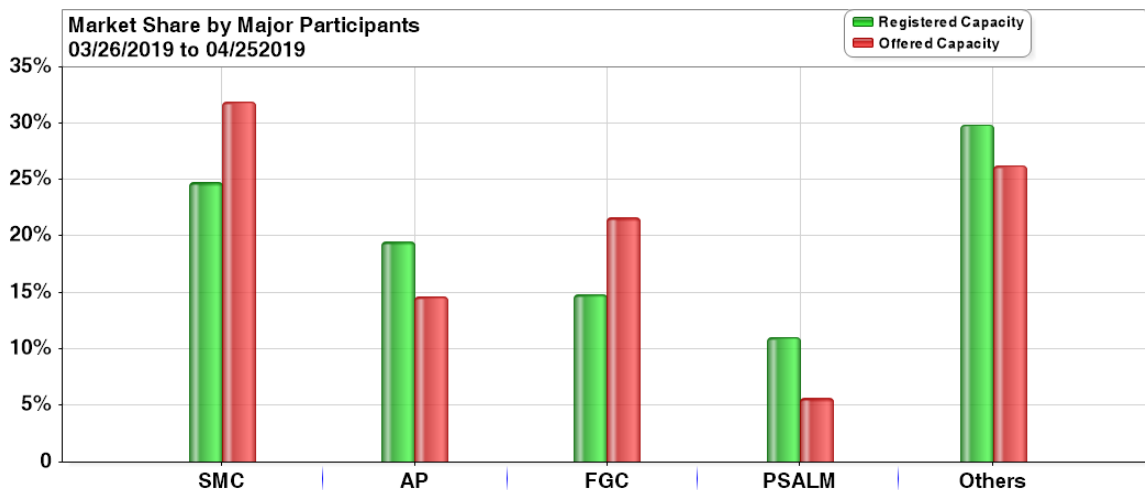


Figure 7. Market Share

With the unavailability of some plants, the market shares of SMC and FGC based on offered capacity increased to 31.9 percent and 21.6 percent, respectively. AP held a market share of 14.6 percent. Accordingly, the Herfindahl-Hirschman Index (HHI) calculated based on offered capacity by major participants' grouping indicated a concentrated market for 68 percent of the time and moderately concentrated market for 26 percent. The remaining 5 percent of the trading intervals were affected by the declaration of Market Intervention events initiated by the Market Operator and System Operator.

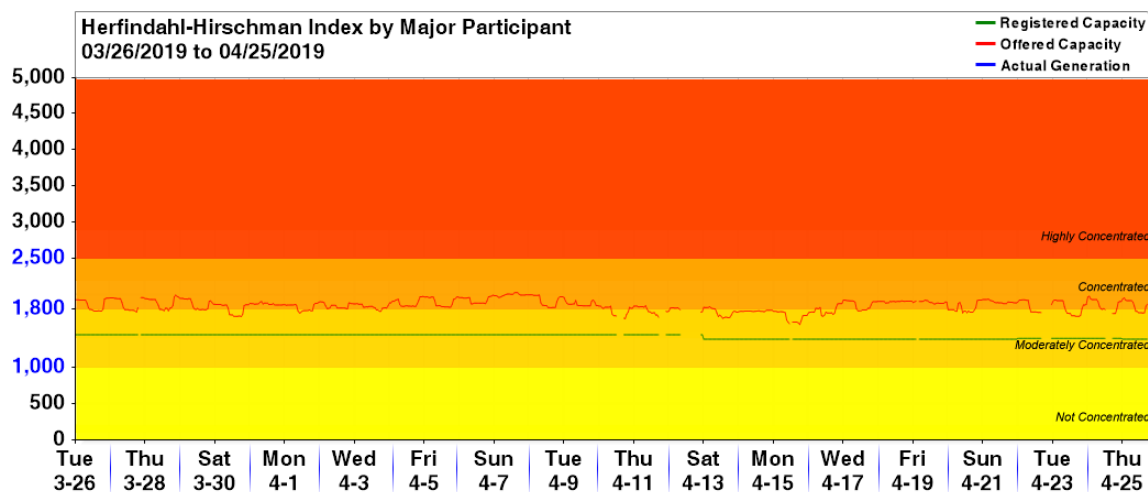


Figure 8. Hourly HHI based on Major Participant Grouping

List of Major Plant Outages

| Region | Plant Type | Plant / Unit Name | Capacity (MW) | Date Out | Date In | Duration | Outage Type | Remarks |
|---------|------------|-------------------|---------------|------------------|------------------|----------|----------------------|---|
| LUZON | GEO | Tiwi 3 | 43.7 | 10/23/2005 13:26 | | | Deactivated Shutdown | Tiwi 3 decommissioned since May 26 2009 |
| LUZON | GEO | Makban 6 | 55 | 04/11/2013 22:44 | | | Deactivated Shutdown | Conducted gas compressor test |
| VISAYAS | GEO | PGPP2 Unit 4 | 20 | 06/27/2014 6:07 | | | Forced Outage | Steam being utilized by Nasulo plant |
| LUZON | OIL | Malaya 2 | 350 | 05/19/2018 13:01 | | | Deactivated Shutdown | Burnt air heater 2A. RECLASSIFIED FROM FORCE. OMC OUTAGE |
| LUZON | OIL | Malaya 2 | 350 | 05/19/2018 13:01 | | | Forced Outage | Burn air heater 2A |
| VISAYAS | GEO | Upper Mahiao 2 | 32 | 09/03/2018 6:01 | | | Forced Outage | Tripped |
| LUZON | OIL | SLPGC 4 | 25 | 11/22/2018 11:56 | | | Maintenance Outage | On extended maintenance shutdown until 24 April 2019 |
| LUZON | GEO | Tiwi 1 | 59 | 11/29/2018 13:31 | | | Maintenance Outage | Maintenance Outage |
| LUZON | COAL | Calaca 1 | 300 | 12/30/2018 22:38 | | | Planned Outage | APMT until 25 June 2019 (GOMP) |
| LUZON | GEO | Makban 10 | 20 | 01/07/2019 23:40 | 03/29/2019 20:32 | 81 | Forced Outage | On reserve shutdown pending availability of steam supply (steam optimization) |
| LUZON | GEO | Makban 5 | 55 | 02/08/2019 16:08 | | | Forced Outage | Low Steam Supply. Divert Steam Supply to unit 3 |
| LUZON | GEO | Tiwi 6 | 57 | 02/09/2019 7:01 | 03/28/2019 23:32 | 48 | Planned Outage | Turbine generator overhauling until 29 March 2019 |
| LUZON | HYD | Magat 1 | 95 | 03/10/2019 6:01 | | | Planned Outage | Annual preventive maintenance and testing (GOMP) |
| LUZON | HYD | San Roque 2 | 145 | 03/11/2019 15:01 | | | Planned Outage | Planned outage until September 11 2019 |
| VISAYAS | BIOF | SCBE | 8.3 | 03/20/2019 2:37 | 03/27/2019 9:43 | 7 | Forced Outage | Auto-tripped due to internal problem |
| LUZON | COAL | SLTEC 1 | 121 | 03/20/2019 20:30 | 04/13/2019 2:03 | 23 | Forced Outage | Boiler Tube Leak |
| LUZON | NATG | San Gabriel | 420 | 03/22/2019 4:30 | 03/26/2019 7:24 | 4 | Maintenance Outage | Maintenance outage until 27 March 2019 |
| VISAYAS | GEO | Leyte 1 | 35 | 03/24/2019 0:29 | 03/27/2019 8:19 | 3 | Planned Outage | Annual PMS of TGPP unit 1. up to 29 March 2019 |
| VISAYAS | COAL | CEDC 1 | 82 | 03/25/2019 0:33 | 04/22/2019 15:23 | 29 | Planned Outage | APMS |
| VISAYAS | BIOF | FFHC | 13 | 03/25/2019 4:57 | 03/26/2019 10:38 | 1 | Maintenance Outage | Offline due to weekly maintenance |
| LUZON | COAL | Pagbilao 1 | 382 | 03/26/2019 2:36 | 03/30/2019 0:00 | 4 | Forced Outage | Boiler Tube Leak. |
| VISAYAS | OIL | Bohol 1 | 4 | 03/26/2019 10:43 | 03/26/2019 11:44 | 0 | Forced Outage | Affected by the tripping of BDPP-SIPC Transformer 1. |
| VISAYAS | OIL | Bohol 2 | 4 | 03/26/2019 10:43 | 03/26/2019 11:46 | 0 | Forced Outage | Affected by the tripping of BDPP-SIPC Transformer 1. |
| LUZON | GEO | Bacman 3 | 20 | 03/26/2019 15:17 | 03/26/2019 16:02 | 0 | Forced Outage | Tripped due to condenser level low |
| VISAYAS | OIL | Bohol 1 | 4 | 03/26/2019 19:31 | 03/28/2019 17:28 | 2 | Forced Outage | Unusual sound of turbocharger |
| VISAYAS | BIOF | HPCO | 3 | 03/27/2019 7:52 | 03/27/2019 11:38 | 0 | Maintenance Outage | Offline due to repair of their connection asset D5 at line side in Hacienda San Diego4. |
| VISAYAS | GEO | Leyte 3 | 36 | 03/27/2019 12:10 | 03/29/2019 0:10 | 2 | Forced Outage | Economic shutdown due to steam supply deficiency |
| VISAYAS | SOLR | Isasol 3 | 40.5 | 03/27/2019 16:15 | 03/27/2019 17:23 | 0 | Forced Outage | Isolated. Affected by NONECO maintenance activities |
| VISAYAS | BIOF | FFHC | 13 | 03/28/2019 13:48 | 03/28/2019 14:42 | 0 | Forced Outage | Affected by grid disturbance |
| VISAYAS | BIOF | HPCO | 3 | 03/28/2019 13:48 | 03/28/2019 14:42 | 0 | Forced Outage | Affected by grid disturbance |
| VISAYAS | COAL | PALM 1 | 135 | 03/28/2019 13:48 | 03/28/2019 15:45 | 0 | Forced Outage | Tripped |
| VISAYAS | COAL | PALM 1 | 135 | 03/28/2019 17:19 | 03/28/2019 19:56 | 0 | Forced Outage | Offline |
| VISAYAS | BIOF | SCBE | 8.3 | 03/29/2019 15:50 | | | Forced Outage | Due to internal problem |
| LUZON | COAL | Masinloc 2 | 344 | 03/29/2019 23:50 | 04/04/2019 1:15 | 5 | Forced Outage | Boiler slagging trouble |
| LUZON | COAL | Pagbilao 1 | 382 | 03/30/2019 0:01 | 04/24/2019 10:45 | 25 | Planned Outage | Maintenance Outage until 28 April 2019 2400H |
| VISAYAS | GEO | PGPP2 Unit 1 | 20 | 03/30/2019 0:04 | 04/21/2019 11:03 | 22 | Maintenance Outage | Offline due to scheduled maintenance activities |
| VISAYAS | GEO | Malibog 3 | 72 | 03/31/2019 5:34 | 03/31/2019 12:33 | 0 | Forced Outage | Under assessment |
| VISAYAS | BIOF | URC 2 | 40 | 04/01/2019 7:44 | 04/01/2019 8:01 | 0 | Forced Outage | Emergency offline due to boiler problem |
| LUZON | GEO | Tiwi 6 | 57 | 04/01/2019 8:32 | 04/02/2019 13:47 | 1 | Forced Outage | High turbine vibration |
| VISAYAS | BIOF | HPCO | 3 | 04/01/2019 10:50 | 04/01/2019 22:28 | 0 | Maintenance Outage | Offline due to weekly maintenance |
| VISAYAS | BIOF | URC 1 | 40 | 04/01/2019 11:07 | 04/01/2019 19:02 | 0 | Forced Outage | Emergency offline due to boiler problem |
| LUZON | COAL | Pagbilao 3 | 420 | 04/02/2019 0:59 | 04/16/2019 7:48 | 14 | Forced Outage | Boiler slagging |
| LUZON | GEO | Makban 7 | 20 | 04/03/2019 7:35 | 04/05/2019 19:53 | 3 | Forced Outage | Turbine Oil Leak |
| VISAYAS | BIOF | HPCO | 3 | 04/03/2019 8:40 | 04/03/2019 10:29 | 0 | Forced Outage | Offline due to Line clearing |
| LUZON | NATG | San Lorenzo 2 | 261.8 | 04/03/2019 16:25 | 04/03/2019 22:28 | 0 | Forced Outage | On emergency shutdown due to exciter trouble |
| LUZON | HYD | Ambuklao 3 | 35 | 04/03/2019 18:08 | 04/03/2019 20:52 | 0 | Forced Outage | Tripped due to broken shear pin |
| LUZON | GEO | Bacman 1 | 60 | 04/04/2019 10:05 | 04/04/2019 12:02 | 0 | Forced Outage | Cooling system trouble |
| VISAYAS | OIL | Bohol 4 | 4 | 04/04/2019 12:36 | 04/04/2019 17:05 | 0 | Forced Outage | Emergency shutdown due to excessive fuel leak |
| VISAYAS | GEO | PGPP2 Unit 2 | 20 | 04/06/2019 9:57 | 04/06/2019 11:06 | 0 | Forced Outage | Auto-tripped. cause of tripping under investigation |
| VISAYAS | GEO | PGPP2 Unit 2 | 20 | 04/07/2019 0:05 | 04/16/2019 16:40 | 10 | Maintenance Outage | Offline due to PMS |
| LUZON | COAL | SLPGC 2 | 150 | 04/07/2019 4:09 | 04/20/2019 23:14 | 14 | Forced Outage | Primary Air Fan A high stator winding temp and Primary Air Fan B high motor bearing vibration |
| VISAYAS | BIOF | HPCO | 3 | 04/07/2019 18:12 | 04/07/2019 19:15 | 0 | Forced Outage | Offline due to Boiler problem |
| LUZON | GEO | Makban 3 | 63 | 04/07/2019 19:30 | 04/07/2019 20:04 | 0 | Forced Outage | Turbine Trouble |
| VISAYAS | BIOF | FFHC | 13 | 04/07/2019 20:45 | 04/09/2019 8:18 | 1 | Maintenance Outage | Offline due to weekly maintenance |
| VISAYAS | BIOF | HPCO | 3 | 04/08/2019 5:33 | 04/08/2019 21:15 | 1 | Maintenance Outage | Offline due to weekly maintenance |
| LUZON | OIL | Limay 1 | 60 | 04/08/2019 8:06 | 04/08/2019 9:31 | 0 | Forced Outage | High temperature on turbine lube oil |
| VISAYAS | OIL | PB102 Unit 4 | 6 | 04/08/2019 14:02 | 04/10/2019 15:35 | 2 | Forced Outage | LOW LUBE OIL PRESSURE |
| LUZON | COAL | Sual 1 | 647 | 04/09/2019 21:49 | 04/16/2019 4:42 | 6 | Forced Outage | Boiler circulating pump piping leak |
| VISAYAS | BIOF | HPCO | 3 | 04/10/2019 8:22 | 04/10/2019 13:57 | 0 | Forced Outage | Emergency offline due to mill problem |
| VISAYAS | OIL | Bohol 2 | 4 | 04/10/2019 8:28 | 04/10/2019 9:11 | 0 | Forced Outage | High exhaust gas temperature at A-bank |
| VISAYAS | GEO | Upper Mahiao 3 | 32 | 04/10/2019 17:02 | 04/10/2019 22:45 | 0 | Forced Outage | Under assessment |
| VISAYAS | GEO | Upper Mahiao 4 | 32 | 04/10/2019 17:02 | 04/11/2019 2:35 | 0 | Forced Outage | Tripped due to loss of 24 VDC supply |
| LUZON | OIL | Limay 5 | 60 | 04/11/2019 6:43 | 04/11/2019 10:31 | 0 | Forced Outage | Static Frequency Converter SFC trouble |
| LUZON | COAL | SMC 2 | 150 | 04/11/2019 16:28 | 04/22/2019 1:50 | 10 | Forced Outage | High furnace pressure |
| LUZON | OIL | Limay 1 | 60 | 04/11/2019 18:09 | 04/11/2019 19:02 | 0 | Forced Outage | Generator speed measuring disturbance alarm |
| VISAYAS | OIL | PB101 Unit 3 | 6 | 04/11/2019 18:20 | 04/12/2019 13:15 | 1 | Forced Outage | Low Lube Oil Pressure |
| LUZON | HYD | Ambuklao 1 | 35 | 04/12/2019 2:41 | 04/12/2019 4:20 | 0 | Forced Outage | Generator core high temperature |
| VISAYAS | GEO | Upper Mahiao 1 | 32 | 04/12/2019 4:20 | 04/12/2019 6:01 | 0 | Forced Outage | Tripped. Under assessment by Plant Personnel |
| VISAYAS | OIL | CENPRI 3 | 4.2 | 04/12/2019 12:12 | 04/13/2019 7:03 | 1 | Forced Outage | Auto tripped due to activation of Generator Differential Protection |
| LUZON | OIL | Limay 4 | 90 | 04/12/2019 17:10 | 04/12/2019 20:34 | 0 | Forced Outage | Tripping 125Vdc power supply |
| VISAYAS | OIL | Bohol 1 | 4 | 04/12/2019 20:06 | 04/14/2019 18:11 | 2 | Forced Outage | Fuel leak on cylinder no. 7 |
| LUZON | OIL | Limay 1 | 60 | 04/12/2019 22:12 | 04/12/2019 23:13 | 0 | Forced Outage | Tripped due to actuation of turbine overspeed relay |
| LUZON | OIL | Limay 1 | 60 | 04/13/2019 0:41 | 04/13/2019 10:54 | 0 | Forced Outage | Tripped due to actuation of turbine overspeed relay |
| VISAYAS | OIL | CENPRI 1 | 4.2 | 04/13/2019 7:03 | 04/13/2019 15:58 | 0 | Forced Outage | Isolated due to PMS of 69kV Calumangan-San Enrique Line section |
| VISAYAS | OIL | CENPRI 2 | 4.2 | 04/13/2019 7:03 | 04/13/2019 15:58 | 0 | Forced Outage | Isolated due to PMS of 69kV Calumangan-San Enrique Line section |
| VISAYAS | OIL | CENPRI 3 | 4.2 | 04/13/2019 7:03 | 04/13/2019 15:58 | 0 | Forced Outage | Isolated due to PMS of 69kV Calumangan-San Enrique Line section |
| VISAYAS | OIL | CENPRI 4 | 6.4 | 04/13/2019 7:03 | 04/13/2019 15:58 | 0 | Forced Outage | Isolated due to PMS of 69kV Calumangan-San Enrique Line section |
| VISAYAS | OIL | CENPRI 5 | 6.4 | 04/13/2019 7:03 | 04/13/2019 15:58 | 0 | Forced Outage | Isolated due to PMS of 69kV Calumangan-San Enrique Line section |
| VISAYAS | SOLR | Isasol 2 | 27.2 | 04/13/2019 7:05 | 04/13/2019 16:00 | 0 | Forced Outage | Isolated due to PMS of 69kV Calumangan-San Enrique Line section |
| VISAYAS | OIL | CENPRI 1 | 4.2 | 04/13/2019 20:01 | 04/15/2019 10:03 | 2 | Forced Outage | Unable to put unit in service due to excessive leaking of lube oil at lube oil pump |
| VISAYAS | BIOF | FFHC | 13 | 04/14/2019 11:06 | 04/16/2019 1:55 | 2 | Maintenance Outage | Offline due to weekly maintenance |
| VISAYAS | OIL | PB102 Unit 1 | 6 | 04/14/2019 20:08 | 04/15/2019 8:10 | 1 | Forced Outage | Excessive exhaust gas leak at Cyl. 5R |
| VISAYAS | BIOF | HPCO | 3 | 04/15/2019 5:30 | 04/15/2019 17:55 | 1 | Maintenance Outage | Offline due to weekly maintenance |
| VISAYAS | GEO | PGPP2 Unit 2 | 20 | 04/16/2019 17:55 | 04/16/2019 20:51 | 0 | Maintenance Outage | Offline under test & commissioning |
| VISAYAS | BIOF | HPCO | 3 | 04/16/2019 18:41 | 04/16/2019 19:24 | 0 | Forced Outage | Auto-tripped on their 13.8kV PCB |
| LUZON | OIL | Limay 1 | 60 | 04/17/2019 11:53 | 04/17/2019 14:26 | 0 | Forced Outage | Governor trouble. |
| VISAYAS | BIOF | URC 2 | 40 | 04/18/2019 0:55 | 04/18/2019 3:05 | 0 | Forced Outage | Offline due to Boiler problem |
| LUZON | NATG | Sta. Rita 2 | 255.7 | 04/18/2019 4:40 | 04/21/2019 16:14 | 3 | Planned Outage | Maintenance Outage until 21 April 2019 |
| LUZON | COAL | SMC 4 | 150 | 04/18/2019 6:31 | 04/21/2019 4:28 | 3 | Planned Outage | On Commissioning Test |
| LUZON | GEO | Bacman 2 | 60 | 04/18/2019 7:14 | 04/18/2019 15:22 | 0 | Maintenance Outage | Corrective works on plant.s Gas Removal System. RECLASSIFIED FROM FORCE. OMC OUTAGE |
| VISAYAS | BIOF | HPCO | 3 | 04/18/2019 13:13 | 04/22/2019 23:14 | 4 | Maintenance Outage | Offline due to weekly shutdown |
| VISAYAS | BIOF | URC 2 | 40 | 04/19/2019 1:14 | 04/23/2019 9:39 | 4 | Maintenance Outage | Offline due to weekly maintenance |
| LUZON | NATG | Avion 1 | 50.3 | 04/20/2019 8:00 | 04/21/2019 2:45 | 1 | Maintenance Outage | PMPC to perform maintenance works |
| LUZON | NATG | Avion 2 | 50.3 | 04/20/2019 8:00 | 04/21/2019 2:45 | 1 | Maintenance Outage | PMPC to perform maintenance works |
| LUZON | GEO | Bacman 1 | 60 | 04/20/2019 11:01 | 04/20/2019 12:33 | 0 | Forced Outage | Power Supply trouble |
| VISAYAS | COAL | Kepco Salcon 2 | 103 | 04/20/2019 14:41 | 04/24/2019 9:02 | 4 | Forced Outage | Possible tube leak |

| | | | | | | | | |
|---------|------|--------------|-------|------------------|------------------|---|--------------------|---|
| LUZON | OIL | Limay 7 | 60 | 04/21/2019 12:27 | 04/21/2019 13:42 | 0 | Forced Outage | Tripped due to shut-off valae fuel water drain trouble |
| LUZON | OIL | Limay 7 | 60 | 04/21/2019 14:13 | 04/21/2019 16:17 | 0 | Forced Outage | Tripped due to shut-off valae fuel water drain trouble |
| VISAYAS | GEO | PGPP2 Unit 1 | 20 | 04/21/2019 17:36 | 04/22/2019 12:03 | 1 | Maintenance Outage | Offline. Under test and commissioning |
| LUZON | OIL | Limay 7 | 60 | 04/21/2019 23:29 | 04/22/2019 6:43 | 0 | Forced Outage | Unavailable due to shut-off valae fuel water drain trouble |
| LUZON | COAL | ANDA 1 | 72 | 04/22/2019 17:11 | 04/22/2019 18:45 | 0 | Forced Outage | Affected by 6.1 magnitude earthquake |
| LUZON | COAL | GN Power 1 | 316 | 04/22/2019 17:11 | 04/25/2019 21:58 | 3 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | COAL | GN Power 2 | 316 | 04/22/2019 17:11 | | | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | COAL | SMC 1 | 150 | 04/22/2019 17:11 | | | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | COAL | SMC 2 | 150 | 04/22/2019 17:11 | | | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | COAL | SMC 3 | 150 | 04/22/2019 17:11 | 04/24/2019 3:42 | 1 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | COAL | SMC 4 | 150 | 04/22/2019 17:11 | 04/23/2019 6:32 | 1 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | GEO | Bacman 1 | 60 | 04/22/2019 17:11 | 04/22/2019 18:27 | 0 | Forced Outage | Affected by 6.1 magnitude earthquake |
| LUZON | OIL | Limay 1 | 60 | 04/22/2019 17:11 | 04/22/2019 22:36 | 0 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | OIL | Limay 2 | 60 | 04/22/2019 17:11 | 04/22/2019 22:30 | 0 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | OIL | Limay 3 | 60 | 04/22/2019 17:11 | 04/22/2019 21:51 | 0 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | OIL | Limay 4 | 90 | 04/22/2019 17:11 | 04/22/2019 21:22 | 0 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | OIL | Limay 5 | 60 | 04/22/2019 17:11 | 04/22/2019 22:23 | 0 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | OIL | Limay 6 | 60 | 04/22/2019 17:11 | 04/22/2019 22:38 | 0 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | OIL | Limay 7 | 60 | 04/22/2019 17:11 | 04/22/2019 22:21 | 0 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| LUZON | OIL | Limay 8 | 90 | 04/22/2019 17:11 | 04/23/2019 1:47 | 0 | Forced Outage | Isolated due tripping of Hermosa-Limay 230kV L1. L2 and L3 caused by 6.1 magnitude earthquake |
| VISAYAS | COAL | CEDC 1 | 82 | 04/22/2019 17:32 | 04/25/2019 13:55 | 3 | Forced Outage | Offline. Gen problem |
| VISAYAS | COAL | TPC Sangi 2 | 85 | 04/22/2019 22:56 | | | Forced Outage | MANUALLY CUT-OUT DUE TO FURNACE PRESSURE HIGH - HIGH |
| LUZON | HYD | Magat 3 | 95 | 04/23/2019 0:01 | | | Maintenance Outage | Low water elevation/hydrological constraint of the plant (Non-GOP) |
| LUZON | HYD | Magat 4 | 95 | 04/23/2019 0:01 | | | Maintenance Outage | Low water elevation/hydrological constraint of the plant (Non-GOP) |
| VISAYAS | GEO | PGPP2 Unit 2 | 20 | 04/23/2019 9:03 | 04/23/2019 15:59 | 0 | Maintenance Outage | Offline to conduct governor troubleshooting |
| VISAYAS | BIOF | HPCO | 3 | 04/23/2019 10:16 | 04/23/2019 16:28 | 0 | Forced Outage | Offline due to internal problem |
| VISAYAS | COAL | TPC Sangi 1 | 60 | 04/23/2019 21:41 | | | Forced Outage | Boiler tube leak |
| LUZON | COAL | SLTEC 2 | 122.9 | 04/23/2019 23:10 | 04/24/2019 10:50 | 0 | Forced Outage | Tripped due to turbine trouble |
| LUZON | NATG | Avion 2 | 50.3 | 04/24/2019 6:27 | 04/24/2019 9:31 | 0 | Forced Outage | Drain valve trouble |
| LUZON | OIL | Limay 4 | 90 | 04/24/2019 6:57 | 04/24/2019 16:24 | 0 | Forced Outage | Steam stub valve malfunction |
| VISAYAS | OIL | Bohol 4 | 4 | 04/24/2019 11:32 | 04/24/2019 16:04 | 0 | Forced Outage | Emergency cut out due to abnormal knocking sound |
| LUZON | HYD | Caliraya 1 | 14 | 04/24/2019 12:37 | 04/24/2019 15:14 | 0 | Forced Outage | Inverter failure |
| LUZON | HYD | Caliraya 2 | 14 | 04/24/2019 13:37 | 04/24/2019 15:15 | 0 | Forced Outage | Inverter failure |
| LUZON | COAL | Pagbilao 1 | 382 | 04/24/2019 22:56 | 04/24/2019 23:59 | 0 | Planned Outage | Conducted Load Rejection Test(LRT) at 30MW load |
| LUZON | COAL | Pagbilao 1 | 382 | 04/25/2019 0:00 | 04/25/2019 10:24 | 0 | Forced Outage | Fiber Optic controller problem |
| VISAYAS | OIL | Bohol 4 | 4 | 04/25/2019 9:04 | 04/25/2019 14:08 | 0 | Forced Outage | Unusual sound at charge air distributor |
| VISAYAS | BIOF | HPCO | 3 | 04/25/2019 10:10 | 04/25/2019 15:21 | 0 | Forced Outage | Offline due to low voltage at 13.8kV side. Note. Receiving Voltage. 67.9kV |
| LUZON | COAL | SLPGC 1 | 150 | 04/25/2019 15:32 | 04/25/2019 18:09 | 0 | Forced Outage | Batangas SIPS activation |
| LUZON | COAL | SLPGC 2 | 150 | 04/25/2019 15:32 | 04/25/2019 21:30 | 0 | Forced Outage | Batangas SIPS activation |
| LUZON | COAL | SLTEC 2 | 122.9 | 04/25/2019 15:32 | 04/25/2019 22:41 | 0 | Forced Outage | Batangas SIPS activation |
| LUZON | COAL | SLTEC 1 | 121 | 04/25/2019 15:33 | | | Forced Outage | Batangas SIPS activation |