

# Data Subscription Packages A, B or C

Features and information available to subscribers of NEMS Information Services

Description of information	Downloadable file format	Information frequency
<b>CATEGORY (i): WEBSITE DASHBOARD</b>		
a. Customisable Dashboard with data portlets	CSV	N/A
<b>CATEGORY (ii): BI-MONTHLY MARKET UPDATES</b>		
a. Market Information Sharing Forum (MISF) presentations	PDF	Every 2 months
b. Market Systems User Group (MSUG) presentations	PDF	Every 2 months

## Data Subscription Package A (Power Market Information)

Description of information	Downloadable file format	Information frequency	Information duration +
<b>CATEGORY (i): SYSTEM SUMMARY DATA</b>			
a. USEP (\$/MWh)	CSV	Half hourly update for Real Time Schedule (RTS) Half hourly update for Short Term Schedule (STS) Two hourly update for Pre-Dispatch Schedule (PDS) Daily update for Market Outlook Schedule (MOS)	Past 16 months Past 7 days Past 7 days Past 7 days
b. EHEUR (\$/MWh)			
c. CUSEP (\$/MWh)			
d. LCP (\$/MWh)			
e. Total Load (MW)			
f. TCL (MW)			
g. RLQ (MWh)			
h. Energy Shortfall (MW)			
i. Total Transmission Loss (MW)			
j. Scheduled Generation by Generation Type (MW)			
<b>CATEGORY (ii): RESERVE &amp; REGULATION DATA</b>			
a. Regulation Price (\$/MWh)	CSV	Half hourly update for Real Time Schedule (RTS) Half hourly update for Short Term Schedule (STS) Two hourly update for Pre-Dispatch Schedule (PDS) Daily update for Market Outlook Schedule (MOS)	Past 16 months Past 7 days Past 7 days Past 7 days
b. Regulation Requirement (MW)			
c. Regulation Shortfall (MW)			
d. Primary, Secondary* & Contingency Reserve Prices (\$/MWh)			
e. Primary, Secondary* & Contingency Reserve Requirements (MW)			

f. Primary, Secondary* & Contingency Reserve Shortfalls (MW)			
g. Primary, Secondary* & Contingency Reserve Risk Adjustment Factors			
h. Primary, Secondary* and Contingency Reserve Group Prices (\$/MWh)			

\* Secondary reserved merged with primary reserve on 1 October 2017.

**CATEGORY (iii): SECURITY CONSTRAINTS DATA**

a. Security Constraints	CSV	Half hourly update for Real Time Schedule (RTS) Half hourly update for Short Term Schedule (STS) Two hourly update for Pre-Dispatch Schedule (PDS) Daily update for Market Outlook Schedule (MOS)	Past 16 months Past 7 days Past 7 days Past 7 days
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**CATEGORY (iv): MARKET NETWORK NODE DATA**

a. Market Network Nodes (MNN) and Prices	CSV	Half hourly update for Real Time Schedule (RTS) Half hourly update for Short Term Schedule (STS) Two hourly update for Pre-Dispatch Schedule (PDS) Daily update for Market Outlook Schedule (MOS)	Past 16 months Past 7 days Past 7 days Past 7 days
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**CATEGORY (v): DISPATCH NETWORK NODE DATA**

a. Dispatch Network Nodes (DNN) and Prices	CSV	Half hourly update for Real Time Schedule (RTS) Half hourly update for Short Term Schedule (STS) Two hourly update for Pre-Dispatch Schedule (PDS) Daily update for Market Outlook Schedule (MOS)	Past 16 months Past 7 days Past 7 days Past 7 days
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**CATEGORY (vi): DISPATCH NETWORK NODE DATA**

a. Delayed Offer Stack*	CSV	Daily	16 months
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\* Compiled from all the energy, reserve and regulation offers applicable for a particular half-hour dispatch period, and sums the total offered quantity (MW) for each unique offer price (\$/MWh) for each product. Primary and contingency reserves, and regulation offers are available from trading dates 1 July 2019.

**CATEGORY (vii): MARKET TRADING REPORTS**

a. Daily Trading Report	PDF	Daily	Current calendar year, plus last calendar year
b. Weekly Trading Report	PDF	Weekly	
c. Monthly Trading Report	PDF	Monthly	

### Data Subscription Package B (Power System Information)

Description of information	Downloadable file format	Information frequency	Information duration +
<b>CATEGORY (i): POWER SYSTEM DATA</b>			
a. 14-Days Adequacy and Security Assessment Report	PDF	Daily	Past 6 months
b. 12-Months Adequacy and Security Assessment Report	PDF	Monthly	Past 5 years
c. System Operation Manual	PDF	As and when need arises	Latest 2 versions
d. Annual Generation Outage Plan	PDF	Annually, plus as and when need arises	Current and last calendar year, plus all available future years
e. Annual Equipment Outage Plan	PDF	Annually, plus as and when need arises	
f. Import and Export Limits	N/A	As and when need arises	From Jan 2003
g. Notices of Force Majeure	N/A	As and when need arises	From Jan 2003
<b>CATEGORY (ii): ADVISORY NOTICES</b>			
a. Energy Surplus	CSV	As and when need arises	Past 16 months
b. Energy Shortfall			
c. Reserve Shortfall			
d. Regulation Shortfall			
e. Market Run Price Warning			
f. Abnormal Condition			
g. Final Prices			
h. Provisional Prices			
i. Price Revision			
j. Communications Warning			

### Data Subscription Package C (Gas Market and System Information)

Description of information	Downloadable file format	Information frequency	Information duration +
<b>CATEGORY (i): GAS SYSTEM DATA</b>			
a. Projected Gas Curtailment Schedule	PDF	Annually, plus as and when need arises	Current and last calendar year, plus all available future years

### Data Subscription Package D

^ Subscription to Package D is on a category-by-category basis, by calendar year. Information will be provided on a portable data storage device.

Description of information	Downloadable file format	Information frequency	Information duration *
<b>CATEGORY (i): POWER MARKET DATA</b>			
a. USEP (\$/MWh)	CSV	Half hourly update for Real Time Schedule (RTS)	Jan 2003
b. EHEUR (\$/MWh)			
c. CUSEP (\$/MWh)			
d. LCP (\$/MWh)			
e. Total Load (MW)			
f. TCL (MW)			
g. RLQ (MWh)			
h. Energy Shortfall (MW)			
i. Total Transmission Loss (MW)			
j. Scheduled Generation by Generation Type (MW)			
k. Regulation Price (\$/MWh)			
l. Regulation Requirement (MW)			
m. Regulation Shortfall (MW)			
n. Primary, Secondary* & Contingency Reserve Prices (\$/MWh)			
o. Primary, Secondary* & Contingency Reserve Requirements (MW)			
p. Primary, Secondary* & Contingency Reserve Shortfalls (MW)			
q. Primary, Secondary* & Contingency Reserve Risk Adjustment Factors			
r. Primary, Secondary* and Contingency Reserve Group Prices (\$/MWh)			
s. Security Constraints			
t. Market Network Nodes (MNN) and Prices (\$/MWh)			
u. Dispatch Network Nodes (DNN) and Prices (\$/MWh)			
* Secondary reserved merged with primary reserve on 1 October 2017.			
<b>CATEGORY (ii): OFFER DATA</b>			
a. Offer Data	CSV	Daily	26 Mar 2013*
* Energy available from trading date 26 Mar 2013. Primary and contingency reserves, and regulation offers are available from trading date 1 July 2019.			
<b>CATEGORY (iii): MARKET TRADING REPORTS*</b>			
a. Daily Trading Report	PDF	Daily	Jan 2007
b. Weekly Trading Report	PDF	Weekly	
c. Monthly Trading Report	PDF	Monthly	
* Formats of the trading reports may change over time.			

CATEGORY (iv): POWER SYSTEM DATA			
a. 14-Days Adequacy and Security Assessment Report	PDF	Daily	Jan 2003
b. 12-Months Adequacy and Security Assessment Report	PDF	Monthly	Jan 2003
c. Annual Generation Outage Plan*	PDF	Annually, plus as and when need arises	Jan 2003
d. Annual Equipment Outage Plan*	PDF	Annually, plus as and when need arises	Jan 2003

\* Each year comprises a provisional plan, a final plan, plus the latest plan update for that year.

CATEGORY (v): ADVISORY NOTICES			
a. Energy Surplus	CSV	As and when need arises	Jan 2003
b. Energy Shortfall			
c. Reserve Shortfall			
d. Regulation Shortfall			
e. Market Run Price Warning			
f. Abnormal Condition			
g. Final Prices			
h. Provisional Prices			
i. Price Revision			
j. Communications Warning			

CATEGORY (vi): GAS SYSTEM DATA			
a. Projected Gas Curtailment Schedule	PDF	Annually, plus as and when need arises	1 Sep 2014

\* The "Information Duration" column indicates the current EMC archiving policy, which is subject to change.

\* These additional features and information are available to subscribers of Data Packages A, B and C. EMC reserves the right to amend and/or withdraw these items at any time without notice.

#### Explanatory Notes:

- Half hourly update for RTS means that there will be 48 half hourly trading period data available for each trading day.
- Half hourly update for STS means that there will be 48 half hourly schedules generated projecting for the next 6 hours of each trading day.
- Two hourly update for PDS means that there will be 12 schedules generated on a two hourly basis projecting for the next 14 hours (shortest) to 36 hours (longest) depending on time of PDS run, for each trading day.
- Daily update for MOS means that there will be 1 schedule generated on a daily basis projecting for the next 6 days.
- All PDS and MOS runs include medium scenario and STS runs include low, medium and high scenarios.
- USEP stands for Uniform Singapore Energy Price, EHEUR for Estimated Hourly Energy Uplift Rebate, CUSEP for Counterfactual Uniform Singapore Energy Price, LCP for Load Curtailment Price, TCL for Total Curtailed Load, RLQ for Regulatory Load Quantity.

Terms and Conditions Governing the Usage of the Data Provided:

Please refer to the Terms and Conditions stipulated upon registration for such information access. These T&Cs can also be downloaded at [www.emcsg.com/data](http://www.emcsg.com/data).

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