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Opportunities to enhance the information published on the Gas Bulletin Board

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Background

At the May 2015 GAB meeting further discussion on the opportunities to enhance the provision of information on the GBB was requested.

The IMO plans to progressively make data more user friendly by developing and publishing 'visualisations' of information from the GBB that it considers is important and/or useful for stakeholders.

This presentation provides examples for visualisations of:




- Information currently published
- Information currently collected by the IMO but published in aggregated form or with a time lag
- Information currently not collected

Data currently available on the GBB

Data published as collected

- Nameplate Capacity per Facility
- Capacity Outlook per Facility
- Linepack Capacity Adequacy (LCA) per Facility
- Medium Term Capacity Outlook per Facility
- Gas Specification Data per Facility

Data variations published

- Daily Actual Consumption Data per Facility  5 days time lag
- Daily Actual Flow Data per Delivery and Receipt Point  aggregated by Zone
- Nominated and Forecast Flow Data per Delivery and Receipt Point  aggregated by Zone



Current GBB data publication - example

Large User Consumption

Large User Consumption for Gas Day 03/07/2015, as at 10/07/2015 14:00:00

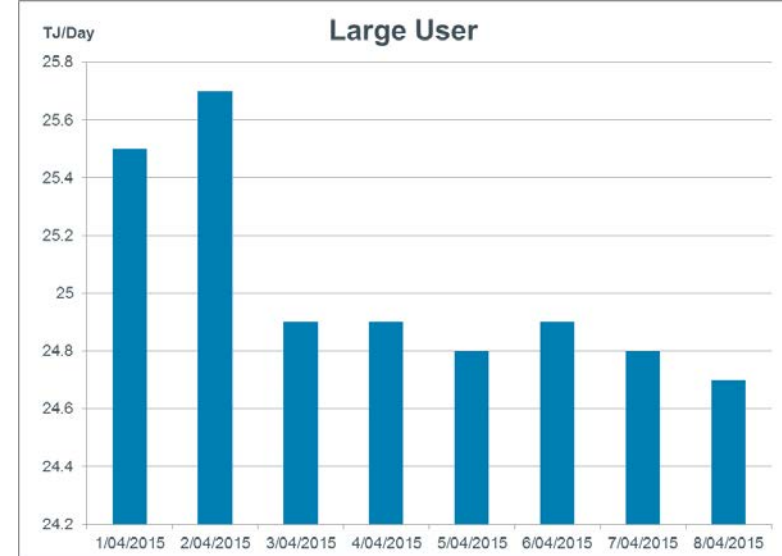
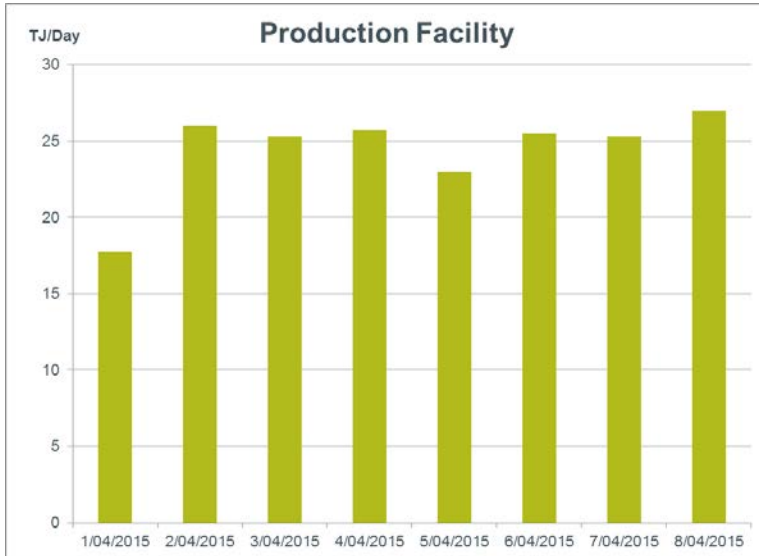
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Facility	Usage Category	Quantity (TJ)
Alcoa Kwinana	Minerals Processing	61.0
Alcoa Pinjarra	Minerals Processing	82.2
Alcoa Wagerup	Minerals Processing	77.0
BP Refinery (Kwinana) Pty Ltd	Other	1.3
CSBP Ammonia Production Facility	Industrial	26.8
Cockburn Power Station	Electricity	0.0
Gorgon LNG Facilities	Other	11.5
HEGT	Electricity	21.1
Karratha Power Station	Electricity	9.7
Kemerton Power Station	Electricity	0.0
Kwinana Cement Plant	Electricity	20.1

GBB data presentation opportunities - examples

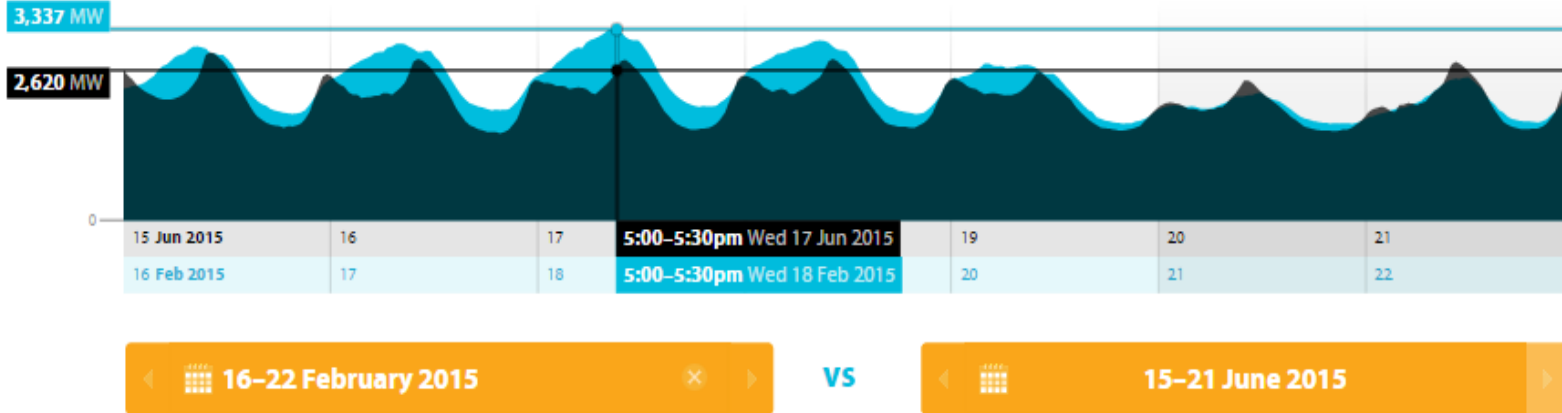
- Daily Actual Flow data per Production Facility received and published with a time lag of 2 Gas Days
 - currently published in list form
 - could be published as graphic
- Large User Consumption data received and published with a time lag of 7 Gas Days
 - currently published in list form
 - could be published as graphic



Note: these are mock Facilities with fictional data

Comparison of time periods as per WEM - example

WEM Generation data



Source: <http://www.imowa.com.au/#weekly-numbers-generation>

- WEM Generation data shows an aggregated SWIS load profile, overlaid against comparable weeks, as chosen at the user's discretion
- A similar comparison could be implemented for the GBB using the Daily Actual Flow/Daily Actual Consumption Data, although over a longer time period

Changing the current treatment of information

Reducing the time lag of publication to increase timeliness

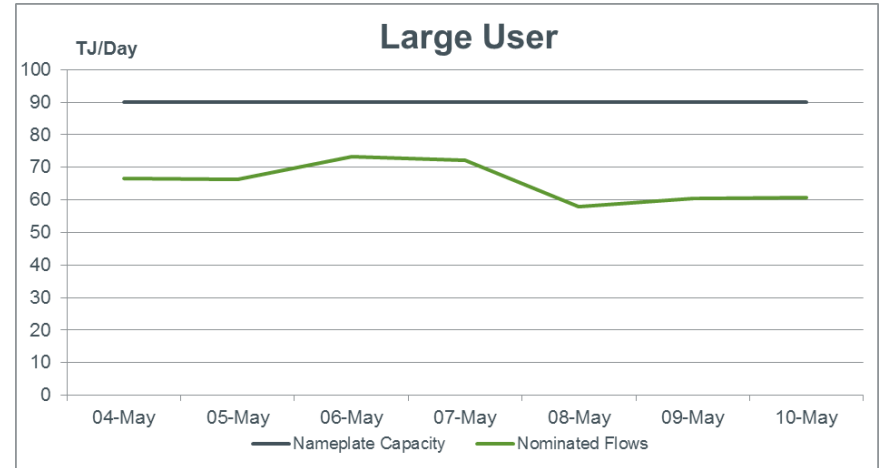
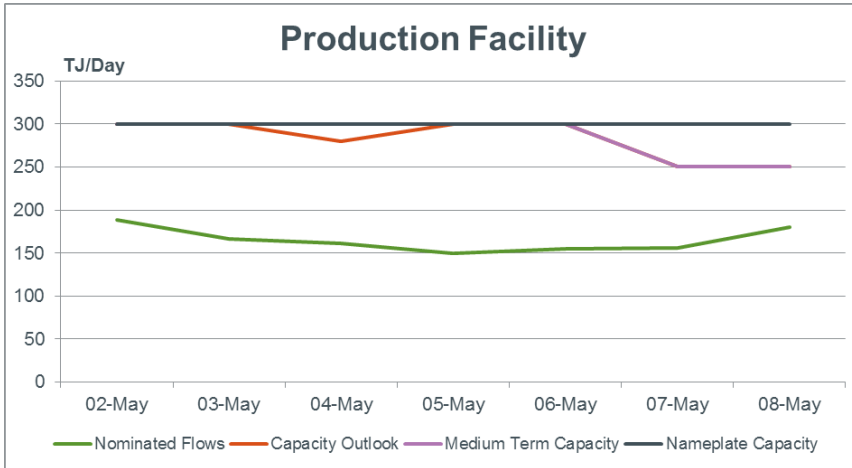
- Large User Consumption – currently 5 day time lag
- Large User Consumption by Category – currently 5 day time lag

Increasing the granularity of information

- Nominated and Forecast Flow Data by Facility – currently aggregated by Zone
- Daily Actual Consumption Data by Facility – currently 5 day time lag and aggregated by Zone

Nominated flow data per Facility - example

- Currently available to the IMO per Delivery/Receipt Point → published aggregated by Zone
- Mock Graphs illustrate on a per Facility basis:
 - Nameplate Capacity
 - Nominated Flow Data
 - Medium Term Capacity Outlook and Capacity Outlook (for Production Facilities)



Note: these are mock Facilities with fictional data

Opportunities to collect and publish additional information

Examples include:

- Supply disruption information – introduce an outage sign and information box, as in example
- Information related to Westplan – alerts and related information
- New categories or subcategories of users – for example LNG or CNG production

Outage Advisory No. 123 12:30 PM

APA advises that Parmelia Pipeline has an unplanned outage. Supply disruptions are not expected. Further updates on the outage will be posted when available.

