



Energy Monitoring and Targeting (ENMAT)

V2.2 Software Update Release Notes

www.en-mat.com

Date updated: 22nd April 2014
Document Name: ENMAT V2.2 Release
Notes.docx
Document Version: 1.0
Author: David Steele

Summary

- Added Support for Water, Heat and Steam Metering
- Revision of filtering (options) on dashboards
- Other General Enhancements
- CCL Database and support for billing forecast view
- Added support for EON import data

Contents

Summary	3
Change Details	4
Dashboard Summary.....	4
Units in charts	5
Filtering	6
Tariff Changes	7
Renewable Obligations & Feed in Rate added.....	7
After adding Feed In Rate and Renewable Obligations to Tariff:	8
General Enhancements.....	9
Added default preferred view for dashboard index	9
Change Consumption Table on applicable dashboards to have totals of day/night	10
Tariff / Cost calculation changes.....	10
Support for Feed in Rate and Renewable obligations	11
Sample of Billing Forecast showing CCL tariffs.	12
EON Importer.....	13

Change Details

Dashboard Summary

All dashboards summarise by unit i.e. not to assume kWh for the tables underneath the charts

Consumption (M3)

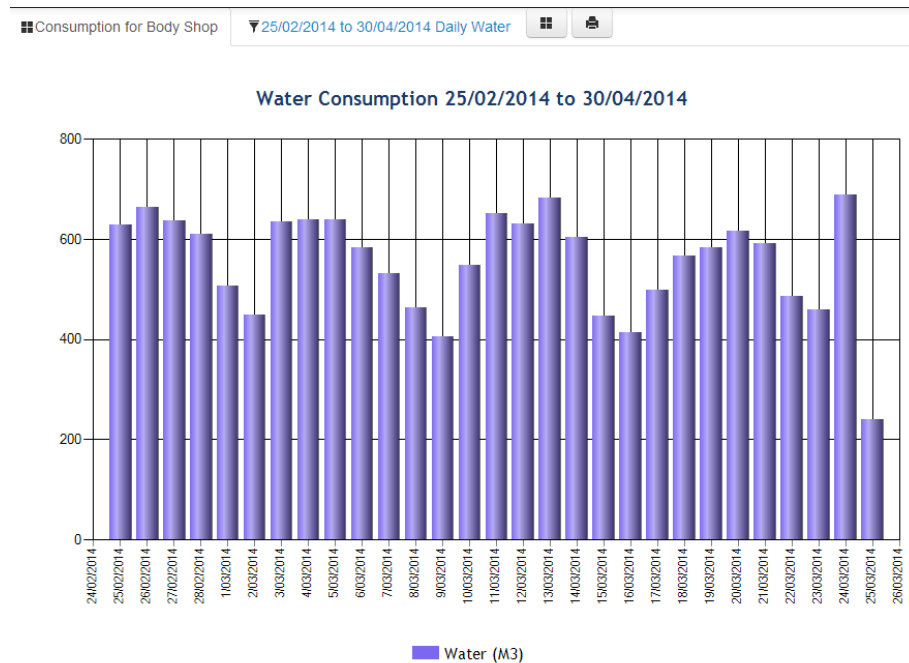
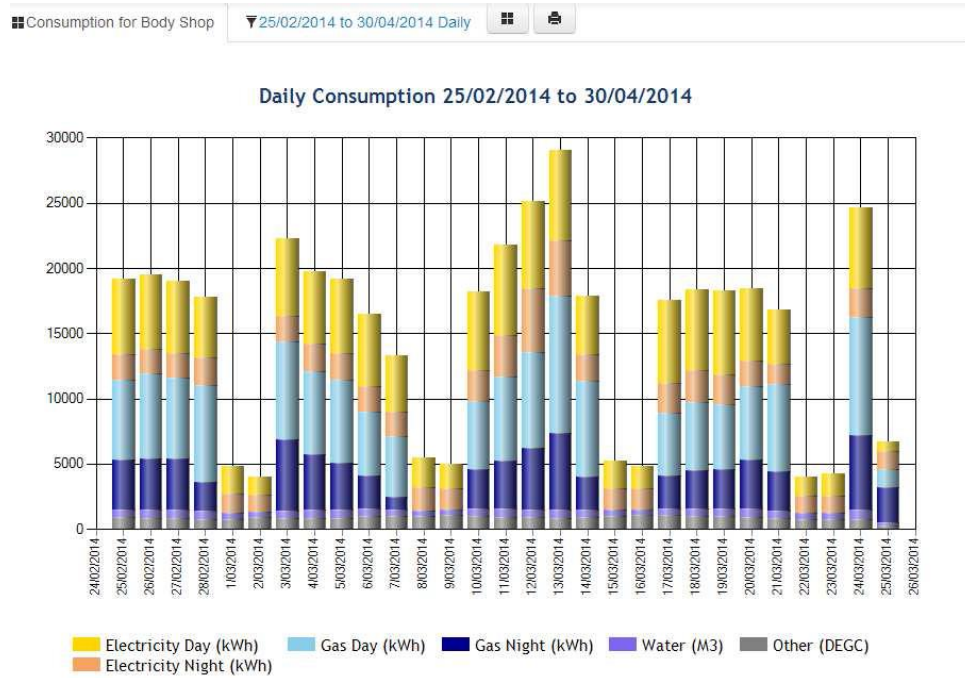
Average Consumption (M3)	555.5	
Maximum Daytime Consumption (M3)	690.0	
Minimum Daytime Consumption (M3)	240.1	
Minimum Daytime Consumption (M3)	240.1	
Maximum Nighttime Consumption (M3)	n/a	
Minimum Nighttime Consumption (kWh)	n/a	
Date	Water	Total
25/02/2014	629.8	629.8
26/02/2014	664.3	664.3

Consumption (kWh)

Average Consumption (kWh)	13,635.3				
Maximum Daytime Consumption (kWh)	17,360.0				
Minimum Daytime Consumption (kWh)	1,361.0				
Maximum Night Consumption (kWh)	10,165.3				
Minimum Night Consumption (kWh)	1,284.0				
Date	Gas Night	Gas Day	Electricity Night	Electricity Day	Total
25/02/2014	3,766.2	6,178.8	1,913.0	5,767.0	17,625.1
26/02/2014	3,919.1	6,484.5	1,902.0	5,717.0	18,022.6

Units in charts

All dashboards show units in charts



Filtering

Filter renamed to “options”

Options Default

Renamed Energy type to “metering type” on filters.

Added dashboard metering type filtering to support

1. Electricity
2. Gas
3. Energy (note this is equivalent to having Electricity & Gas ticked). When electricity and gas are ticked this will by definition be ticked. If you just want to show Gas then you will need to untick Energy.
4. Water
5. Other

Metering Type

<input type="checkbox"/>	All Types
<input checked="" type="checkbox"/>	Electricity
<input checked="" type="checkbox"/>	Gas
<input checked="" type="checkbox"/>	Energy
<input checked="" type="checkbox"/>	Water
<input checked="" type="checkbox"/>	Other

Tariff Changes

Renewable Obligations & Feed in Rate added

Item	Amount
Total Consumption at Day Rate	18,380 kWh
Total Consumption at Night Rate	4,196 kWh
Total Consumption	22,576 kWh

Cost Estimation

Item	Quantity	Item	Total
Day Rate	18,380 kWh	10.360 p/kWh	£1,904.13
Night Rate	4,196 kWh	6.470 p/kWh	£271.51
Available Capacity Charge	200.0 kVA	£1.0600 kVa	£212.00
Standing Charge	1 month	£54.46	£54.46
Totals	22,576 kWh		£2,442.09

Tariff Information

from 01/11/2013 from 31/10/2014

Item	
AC Charge Type	Fixed Monthly
Day Rate	10.360 p/kWh
Night Rate	6.470 p/kWh
Power Factor Guidance	0.9500 KWH/KVARH
Standing Charge	£54.46 per month

After adding Feed In Rate and Renewable Obligations to Tariff:

Summary

Item	Amount
Total Consumption at Day Rate	18,380 kWh
Total Consumption at Night Rate	4,196 kWh
Total Consumption	22,576 kWh

Cost Estimation

Item	Quantity	Item	Total
Day Rate	18,380 kWh	40.360 p/kWh	£7,418.01
Night Rate	4,196 kWh	36.470 p/kWh	£1,530.43
Available Capacity Charge	200.0 kVA	£1.0600 kVa	£212.00
Standing Charge	1 month	£54.46	£54.46
Totals	22,576 kWh		£9,214.89
Renewable Obligations	22,576 kWh	20.000 p/kWh	£4,515.20
Feed In Rate	22,576 kWh	10.000 p/kWh	£2,257.60

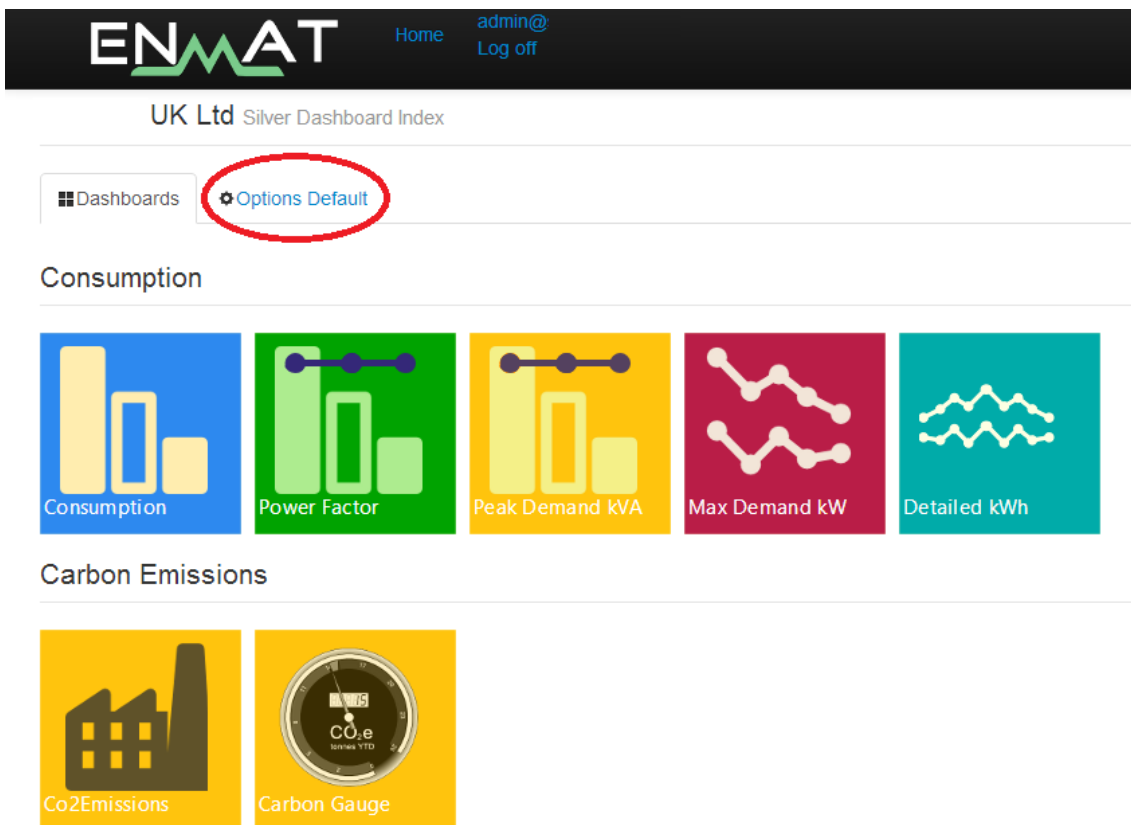
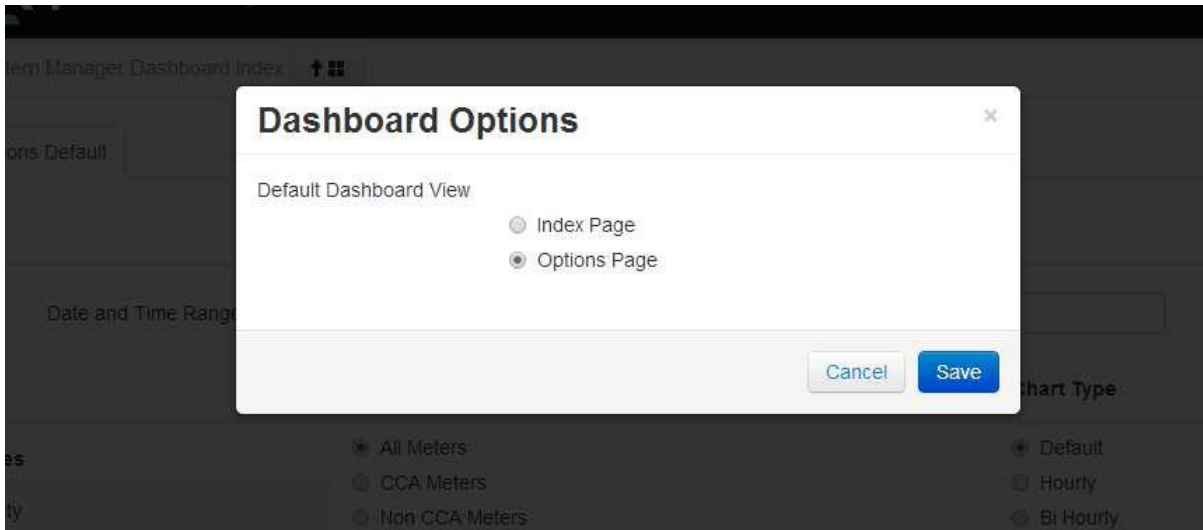
Tariff Information

from 01/11/2013 from 31/10/2014

Item	
AC Charge Type	Fixed Monthly
Day Rate	10.360 p/kWh
Night Rate	6.470 p/kWh
Power Factor Guidance	0.9500 KWH/KVARH
Standing Charge	£54.46 per month
Renewable Obligations	20.000 p/kWh
Feed In Rate	10.000 p/kWh

General Enhancements

Added default preferred view for dashboard index



Change Consumption Table on applicable dashboards to have totals of day/night

Consumption (kWh)

Average Consumption (kWh)	940.7
Maximum Daytime Consumption (kWh)	994.3
Minimum Daytime Consumption (kWh)	369.9
Maximum Night Consumption (kWh)	267.1
Minimum Night Consumption (kWh)	126.5
Total Consumption (kWh)	22,576.0

Tariff / Cost calculation changes

A CCL Tariff can be added at any point in the system (i.e. the way that tariffs work) and when present it will add the CCL Rate to the appropriate (Gas/Electricity) KWH values.

- Reading table now has extra field to store the CCL tariff used
- Calculation of cost takes into account CCL rate (if any)
- Update readings for either CCLTariff or Normal tariff.
- Show in reports

Support for Feed in Rate and Renewable obligations

Tariff Rate



Type

Valid From

Valid To

Expiry Reminder Date

Rate GBP/KWH

Recalculate Readings

Save changes

Cancel

Sample of Billing Forecast showing CCL tariffs.

Predicted Energy Types Bill for March 2014

Summary

Item	Amount
Total Consumption at Day Rate	18,380 kWh
Total Consumption at Night Rate	4,198 kWh
Total Consumption	22,576 kWh

Cost Estimation

Item	Quantity	Item	Total
Day Rate	18,380 kWh	70.360 p/kWh	£12,931.89
Night Rate	4,198 kWh	66.470 p/kWh	£2,789.35
Available Capacity Charge	200.0 kVA	£1.0600 kVa	£212.00
Standing Charge	1 month	£54.46	£54.46
Totals	22,576 kWh		£15,987.69
Renewable Obligations	22,576 kWh	20.000 p/kWh	£4,515.20
Feed In Rate	22,576 kWh	10.000 p/kWh	£2,257.60

Tariff Information

from 01/11/2013 from 31/10/2014

Item	
AC Charge Type	Fixed Monthly
Day Rate	10.360 p/kWh
Night Rate	6.470 p/kWh
Power Factor Guidance	0.9500 KWH/KVARH
Standing Charge	£54.46 per month
Renewable Obligations	20.000 p/kWh
Feed In Rate	10.000 p/kWh

CCL Tariffs

from 01/01/2014

Item	
Rate	30.000 p/kWh

Consumption

Average

Maximum

Minimum

Maximum

Minimum

Total Consumption

Date

01/03/2

02/03/2

03/03/2

04/03/2

05/03/2

06/03/2

07/03/2

08/03/2

09/03/2

10/03/2

11/03/2

12/03/2

13/03/2

14/03/2

15/03/2

16/03/2

17/03/2

18/03/2

19/03/2

20/03/2

21/03/2

22/03/2

23/03/2

24/03/2

EON Importer

ENMAT now supports certain formats of energy related metering data from EON.



Envantage Ltd
ENMAT Energy Management
8 Grange Lane
Didsbury
Manchester
Greater Manchester
M20 6RW

www.en-mat.com
info@en-mat.com