

EnergyLink400 User's Manual

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Notice

- Before using this software please make sure that the installation was made properly, if any problem was encountered during installation please refer to the EnergyLink400 installation guide, if any problems remain unresolved please contact DAE or any of its authorized dealers for assistance.
- 2. Since this software is designed to run continuously for 24 hours a day, please turn off or disable the auto sleep mode or power down mode of the host computer in both the OS and the firmware. Otherwise the software won't be able to perform its function to collect data in the background.
- This software automatically collects data from the devices, saves the data and displays it on the screen; this data also forms the basis for billing computation.



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1. Screen Introduction

1.1. Main Screen

When the software starts up, the screen below is displayed:



The left side of the screen shows an outline of the current layout of the building or campus, which is prearranged according to the preference of the facility manager by building, floor or zone for ease of finding the desired meter.

The outline is prearranged when the system was initially designed and commissioned, it cannot be changed by the operator. If changes need to be made, please contact a DAE representative to send a trained technician make the changes.





The top of the screen shows the function menu, including <Log In>, <Revenue Meter>, <Multi-Function Meter>, <Water Meter>, <Reports>, <Alerts>, and <Help> items.

Log In Revenue Meter Multi-Function Meter Water Meter Reports Alerts Help

The function of each item is described below:

- Log In: Allows the user to login as an operator or as an administrator, once logged in, an addition item called <System Setting> will appear on the menu. Selecting this item will allow system setup and related operations.
- Revenue Meter: Displays the revenue meters and their relevant data, including the total kWh, kWh for today, kWh for yesterday, and the kWh for the month.
- Multi-Function Meter: Displays the multi-function meters and their relevant data, including the kWh, kWh for today, kWh for yesterday, kWh for the month, voltage for each phase, current for each phase, power, and frequency.
- Water Meter: Displays the water meters and their relevant data, including the water meter reading, and consumption for the month.
- Reports: Displays the various types of reports, including detailed reports, billing reports, activity reports and alerts.
- Alerts: Alerts such as communication disruption between the computer host and the metering devices are all shown here.
- Help: Help information regarding the meters and about this software including version information.

The menu will change in accordance with the actual devices present; for example, if there are no water meters then the water meter menu item will not be present. The top right corner is for page selection, if there are too many meters to display on one page, the other meters will be on subsequent pages, the left and right arrows can be used to flip to the previous or the next page respectively, or the desired page number can be entered to jump directly to that page.



The following sections will describe each of the aforementioned item in detail.



1.2. Revenue Meter Menu Item

This menu item opens the kWh meter screen which displays information for the single function meters, and primarily is meant to show the kWh reading.

EnergyLink 400 - Auto Meter Reading	and the second se	
-		
DAE	Log h Revenue Meter Multi-Function Meter Water Meter Reports Alerts Holp	
Energy Link 400	Log In Revenue Meter Multi-Function Meter Water Meter Reports Alerts Help	
DAE	Connection Energy Deage Hnergy	Meter Number : 22 Fage: 1 +
- Multi-Fraction Meter		
- SMB-M-1 - SMB-M-2	SMB-S-1 • SMB-S-2 • SMB-S-3 • SMB-S-4 • SMB-S-5 • SMB-S-6 • SMB-S-7 •	SMB-S-8 SMB-S-9
SMB-M-3 SMB-M-4	kwh 13129.22 kwh 39815.19 kwh 66892.60 kwh 12537.13 kwh 3879.84 kwh 12661.55 kwh 22392.90	kWh 11662.67 kWh 3380.68
SMB-M-5		
- SMB-M-6 - SMB-M-7		
	SMB350 #03 SMB350 SMB350 SMB350 SMB350 SMB350 SMB350 SMB350 SMB30 SMB350 SMB350 SMB350 SMB350 SMB350 SMB350 SMB350 SMB30	SMB350 MR8 mm
- SMB-3-1 - SMB-3-2		
- SMB-3-3 - SMB-3-4	SMB-S-10 SMB-S-11 SMB-S-11 Polaris	
SMB-3-5 SMB-3-6	kWh 32011.06 kWh 22939.24 kWh 75096.00 kWh 6402.07	
SMB-3-7 SMB-3-8		
- 2MB-3-9 - 2MB-3-10		
- SMB-3-11 - SMB-3-11	SMB350 #50 SMB350 #50 Polaris #50	
- Polarin		
- AMD-D		
		8

Each block represents a single meter, the number of meters display will depend on the screen size. Each page will have 3 tabs that contain various type of information regarding the meters, these are <Connection>, <Energy Usage> and <Energy>.



Connection (Connection Quality): Displays the communication success rate between the computer host and a given energy meter, on the bottom of the block there is a color bar to represent the current connection quality, a green bar indicates a better than 70% success rate, an orange bar indicate a 1 to 69% success rate, and a red bar indicates there is no communication at all. Special notice should be given to a red bar as it may mean that there may be something wrong with the physical cable or link, which may require servicing or repair.

SMB-S-1	
S-Rate 100	
SMB350 100	



Energy Usage: Displays the energy consumption for the day before, for today and for the month.

Yesterday: Computed as the difference between the consumption from midnight to midnight yesterday.

Today: The consumption for up to now starting from midnight yesterday.

This Month: The consumption for up to now starting from the midnight between the last day of the previous month to the first day of the current month.

Note that when the software first starts operating, there is no historical data recorded and the data for yesterday, today, and this month will all register zero, this is normal behavior, once the software has had enough time to collect sufficient data, the usage data will become normal.

SMB-	S-4 🔹
Yday.	0.35
Today	4.36
Mont	4.71
SMB350	100

Energy(kWh Reading): Displays the current kWh reading, this value reflects the same displayed value on the meter itself; however, since the software polls the meters in turn, this value may be slightly off from the actual meter value and should resynchronize after one full polling cycle, normally within 30 seconds.





1.3. Multi-function Meter Menu Item

This will display the multi-function meter screen showing not just the kWh reading, but also the voltage, current and other parameters.

EnergyLink 400 - Auto Meter Reading	(jolen		×
DAE	Log In Revenue Meer Multi-Function Meter Water Meter Report: Alens: Help		
Energy Link 400			
DAE	Consection Energy/Dage Energy Yolkge Crumst Power	Meter Number : 22 Page: 1	>
SMB-M-1 SMB-M-1	[SMB-M-1 *] [SMB-M-2 *] [SMB-M-3 *] [SMB-M-4 *] [SMB-M-5 *] [SMB-M-6 *] [SMB-M-7 *]	SMB-M-8	
3MB-M-3 3MB-M-4 3MB-M-5	kwh 138783 kwh 207834 kwh 174659 kwh 144612 kwh 4491.99 kwh 726835 kwh 1497.20	kWh [7739.89	
- 3MB-M-6 - 3MB-M-7 - 3MB-M-8			
Revenue Meter Water Meter	5MB350 1001 100 5MB350 1000 5MB350 100 5MB350 100 5MB350 100 5MB350 100	SMB350 1001 1000	
			1

The multi-function meter menu item has 6 tabs of information available, these are <Connection>, <Energy Usage>, <Energy>, <Voltage>, <Current> and <Power>

Connection Energy Usage Energy Voltage Current Power

The same information is displayed for the <Connection>, <Energy Usage> and <Energy> screen. Please refer to section 1.2 Revenue Meter for details.

Voltage: Displays the voltages measured by the multi-function meter. For the PM210 model, the software will automatically detect its phase/wire configuration as being 3p3w or 3p4w and display the appropriate voltage type.
 A phase/wire configuration of 3p4w will show the phase voltages as VA, VB and VC; while the 3p3w will show the line voltages as VAB, VBC and VAC. The unit being volts with one decimal place.

SMB-	M-1 🔹
VA	224.7
VB	225.0
VC	227.4
SMB350	100



Current: Displays the currents measured by the multi-function meter for each of the 3 phases A, B and C. The unit being amperes with 3 decimal places. For a single phase meter or channel, only one current value will be displayed.

SMB	-M-1 🌒
IA	10.484
IB	10.030
IC	11.145
SMB350	100

Power: Displays the power (kW), power factor (PF), and frequency (Hz) data. The power unit is kW with 3 decimal places. The power factor is a dimensionless ratio with 3 decimal places. The frequency is in Hertz with one decimal place.

SMB-	-M-1 🌒
kW	7.060
PF	0.990
Hz	60.0
SMB350	100



1.4. Water Meter Menu Item

This menu item will show the water meter screen showing the cumulative consumption reading for each water meter.



There are 3 tabs of information on the water meter screen, these are <Connection>, <Water Usage> and <Water>.



Connection(Connection Quality): Displays the communication success rate between the computer host and a given water meter, on the bottom of each circular block there is a color bar to represent the current connection quality, a green bar indicates a better than 70% success rate, an orange bar indicate a 1 to 69% success rate, and a red bar indicates there is no communication at all. Special notice should be given to a red bar as it may mean that there may be something wrong with the physical cable or link, which may require servicing or repair.



 Water Usage: Displays the water consumption for the current month.
 This Month: The water consumption for up to now starting from the midnight between the last day of the previous month to the first day of the current month.



Note that when the software starts operating, there is no historical data recorded and the data for this month will show as zero, this is normal behavior, once the software has had enough time to collect sufficient, the data will display normally.



Water(Water Reading): Displays the current water meter reading, this value reflects the value displayed on the actual meter register; however, since the software polls the meters in turn, this value may be slightly off from the meter register value and should resynchronize after one full polling cycle, normally within 30 seconds.





1.5. Alert Menu Item

Alerts refer to communication failures with remote devices.



When the software is unable to communicate with a device, the software will cause the <Alert> menu item to flash and also issue a sound alert if an audio device is present. When this happens, click on the <Alert> menu item to inspect the cause of the alert, and dismiss the flashing and alert sound. A sample alert window is shown below:

	Enersyl	_ink 400		Confirm
No	Meter Name	Alert Event	Date	Time
1	Polaris	Polaris - Connection Lost,S-Rate=0	2016/06/17	16:27:41
•		III		4



Item No.	Field Name	Description	Notes
1	No	Alert number	
2	Meter Name	The meter affected by the alert	
3	Alert Event	Description of the alert,connection failure, success rate=0	
4	Date	Date when the alert occurred	
5	Time	Time of day when the alert occurred	

Description of each field in the report:

If the communication link with a meter is broken and the link has not yet been restored, the software will not register the same alert. But if the communication has been restored and another communication failure occurs, a new alert is issued.

When the <Confirm> button is clicked, the alert window will be dismissed, and the software will no longer cause an alert for those alerts which have already been acknowledged.

If the alert window is closed through the <X> button on the top right of the window, the alert will continue flashing, since the alert has not actually been acknowledged but simply dismissed.



1.6. Help Menu Item

This menu item includes both the <Help> and <About> windows.

Clicking on the <Help> menu item will pop up a window describing the meter information box. It is context sensitive and will by default show information regarding the type of meter that is currently being shown, if information about another type of meter needs to be viewed, simply click on buttons corresponding to the desired meter type on the top left of the window.



Clicking on the <About> menu item will pop up a window showing information about this software, its version number and other miscellaneous information.





If any problem is encountered during the use of this software, please contact DAE and provide the software version number and serial number.



2. Reports

Clicking on the <Reports> menu item will show the reports screen; viewing the reports screen does not require logging in as operator or administrator.

The type of reports available will depend on the type of meters installed. Not only can the reports be viewed from the screen but they can also be printed by clicking on the <Print>

button . They can also be exported by clicking on the <Export> button ; they can be exported as Word, Excel of PDF files.

Log In Revenue Mete	r Multi-Function Meter Water M	eter Reports Alerts He	lp		
Meter Selection	Date From Turnday .	May 17, 2016 • ~	Folgy Ince	17. 2016 - Search	
SMB-M-3 SMB-M-4		I + ⊕ ⊜ ⊖ ⊟ ⊡		Find Next	
			ta Log Listing	1/ 8	
SME-M-7 SME-M-8	n l		SMB-S-2	0.1651.0 54.1	
- Revenue Meter	From : 2016/05/17				
SMB-3-1 SMB-3-2	Date	Time	S-Rate	Cumulative Reading	
SMB-3-3 SMB-3-4	2016/05/17	00:00:00	100	39489.77	
SMB-3-5 SMB-3-6	2016/05/17	00:30:00	100	39489.77	
SMB-S-7	2016/05/17	01:00:01	100	39489.77	
SMB-S-8 SMB-S-9	2016/05/17	01:30:00	100	39489.77	
SMB-3-10 SMB-3-11	2016/05/17	02:00:00	100	39469.77	
SMB-S-11 Polaris	2016/05/17	02:30:01	100	39489.77	
. Water Meter	- 2016/05/17	03:00:00	100	39489.77	
Meter Name	2016/05/17	03:30:00	100	39489.77	
SMB-S-2	2016/05/17	04:00:01	100	39489.77	
	2016/05/17	04:30:00	100	39489.77	
	2016/05/17	05:00:00	100	39489.77	
	2016/05/17	05:30:01	100	39489.77	
	2016/05/17	06:00:00	100	39489.77	
	2016/05/17	06:30:00	100	39489.77	
	2016/05/17	07:00:01	100	39489.77	
	2016/05/17	07:30:00	100	39489.77 39489.77	
	2016/05/17 2016/05/17	08:00:00	100	39489.77	
	2016/05/17	09:00:00	100	39409.78	
	2016/05/17	09:30:00	100	39490.01	
	2016/05/17	10:00:00	100	39491.68	
	2016/05/17	10:30:00	100	39492.22	
	2016/05/17	11:00:00	100	39492.86	
	2016/05/17	11:30:00	100	39493.49	
	2016/05/17	12:00:00	100	39494.06	
	2016/05/17	12:30:00	100	39494.57	
	2016/05/17	13:00:00	100	39495.08	
	2016/05/17	13:30:00	100	39495.57	
	2016/05/17	14:00:00	100	39496.15	
	2016/05/17	14:30:00	100	39496.64	

2.1. Data Logs

2.1.1. Detailed Listing (By Time)

The detailed listing report shows the logged data for a given meter, a data point is recorded every 30 minutes. This applies to both electricity and water meter.

To get the detailed listing report for any given meter, note down the name of the meter, then when in the detailed listing report, select the meter name from the meter selection outline, then click on the meter name below the outline.

Meter Selection	
SMB-M-3	~
SMB-M-4	
SMB-M-5	
SMB-M-6	
SMB-M-7	
SMB-M-8	
😑 Revenue Meter	
SMB-S-1	
SMB-S-2	
SMB-S-3	
SMB-S-4	
SMB-S-5	=
SMB-S-6	
SMB-S-7	
SMB-S-8	
SMB-S-9	
SMB-S-10	
SMB-S-11	
SMB-S-11	
Polaris	-
🗰 Water Meter	

-				
ľ	Meter Na			
		me		_



The <search> button will only work if the meter name is selected and will not work when only the meter in the outline is selected.

After the meter name is selected, set the starting and ending dates.

Date From	Tuesday ,	May	17, 2016	•	~	Friday	,	June	17, 2016	•		Search]
-----------	-----------	-----	----------	---	---	--------	---	------	----------	---	--	--------	---

Once both the meter name and dates are selected, click on the <Search> button to generate the listing.

LogIn Revenue Meter	Multi-Function Meter Water Met	er Reports Alerts Helj	>		
	_				
Meter Selection	*	May 17, 2016 • ~			
- SMB-M-4 - SMB-M-5	4 4 1 of 8 > >			Find Next	
		Detailed Data		1 / 8	
SMB-M-8		DAE - S	MB-S-2		
-SMB-3-1 -SMB-3-2	From : 2016/05/17	To 2016/06/17			
SMB-S-3	Date	Time	S-Rate	Cumulative Reading	
SMD-3-4 SMD-3-5	E 2016/05/17	00:00:00	100	39489.77	
- SMB-3-6 - SMB-3-7	2016/05/17	00:30:00	100	39489.77	
- SMB-3-8 - SMB-3-9	2016/05/17 2016/05/17	01:00:01 01:30:00	100	39489.77 39489.77	
SMB-3-10	2016/05/17	02:00:00	100	39469.77	
SMB-S-11 SMB-S-11	2016/05/17	02:30:01	100	39489.77	
Polaris	- 2016/05/17	03:00:00	100	39489.77	
Moter Name	2016/05/17	03:30:00	100	39489.77	
SMB-S-2	2016/05/17	04:00:01	100	39489.77	
	2016/05/17	04:30:00	100	39489.77	
	2016/05/17	05:00:00	100	39489.77	
	2016/05/17	05:30:01	100	39489.77	
	2016/05/17	06:00:00	100	39489.77	
	2016/05/17	06:30:00	100	39489.77	
	2016/05/17	07:00:01	100	39489.77	
	2016/05/17	07:30:00	100	39489.77	
	2016/05/17	08:00:00	100	39489.77	
	2016/05/17	08:30:00	100	39489,78	
	2016/05/17	09:00:00	100	39490.61	
	2016/05/17 2016/05/17	09:30:01 10:00:00	100	39491.13 39491.68	
	2016/05/17	10:30:00	100	39491.08	
	2016/05/17	11:00:00	100	39492.22	
	2016/05/17	11:30:00	100	39493.49	
	2016/05/17	12:00:00	100	39494.06	
	2016/05/17	12:30:00	100	39494.57	
	2016/05/17	13:00:00	100	39495.08	
	2016/05/17	13:30:00	100	39495.57	
	2016/05/17	14:00:00	100	39496.15	

Description of each field in the report:

Item No.	Field Name	Description
1	Date	Date the data was recorded (yyyy/mm/dd)
2	Time	Time the data was logged (hh:mm:ss)
3	S-Rate	Connection success rate when the data was obtained
4	Cumulative	The KWh data reading
	Reading	The kWh data reading

A data point highlighted light red means that the data was logged when the connection quality was not at 100% and should be suspect, data highlighted with blue means that the data point is certain.



A sample listing for a multi-function meter is shown below:

	hue Meter - M	ulti-Function Mete	r Water Met	er Rep	ports Alerts	Help												
Meter Sel	ection	Date From	Tuesday .	May	17,2016 -	~ Fitz	ay . June	17, 2016	•	Search								
- Multi-Function	Meter	14 4 1	of 11 🕨 🔰	1 4 (RI 4	100%	•		Fini	i i Next							
SMB-M-1 SMB-M-2		6/17/2016 16	35.59				Mu	iti-Funct	ion Mete	r-Detailer	d Data Lo	g Listing						1 / 11
SMB-M-3 SMB-M-4									DAE	- SMB-N	1-3							
		From :	2016/05/17	То	2016/06/17													
SMB-M-7 SMB-M-6	1	Date	Time S	-Rate	kWh	kW	kVArh	IA	IB	IC	VA	VB	VC	VAB	VBC	VCA	PF	kVAr KVA
Revenue Meter		2016/05/17	00:00:00	100	36667.02	0.443	81958,28	0.000	2.227	0.464	230.8	230.8	231.7	399.2	399,9	399.9	0.716	0.618
-SMB-S-1 -SMB-S-2		2016/05/17	00:30:00	100	36667.23	0.452	81958.60	0.000	2.318	0.456	232.1	232.4	233.2	401.7	402.7	402.3	0.718	0.629
SMB-S-3 SMB-S-4		2016/05/17	01:00:00	100	36667.52	0.543	81959.05	8.606	2.944	0.457	232.3	232,4	233.3	401.8	402.7	402.7	0.689	0.787
SMB-3-5		2016/05/17	01:30:00	100	36667.78	0.621	81959.59	0.000	3.397	0.464	230.2	230.3	231.0	398.2	398.9	398.9	0.698	0.889
SMB-S-6 SMB-S-7		2016/05/17	02:00:00	100	36668.04	0.626	81959.87	0.000	3.425	0.466	230.0	230.3	230.9	398.0	398.9	398.5	0.702	0.891
SMB-S-8 SMB-S-9		2016/05/17	02:30:00	100	36668.34	0.441	81960.21	0.000	2.228	0.463	230.7	230.9	231.5	399.2	399.9	399.8	0.713	0.618
SMR-5-10	-	2016/05/17	03:00:00	100	36668.55	0.623	81960.55	0.000	3.385	0.464	230.6	230.8	231.4	399.1	399.8	399.6	0.701	0.888
Moter Name		2016/05/17	03:30:00	100	36668.83	0,522	81961.00	0.000	2.814	0.462	231.0	231.1	231.6	399.6	400.1	400.1	0.689	0.757
SMB-M-3		2016/05/17	04:00:00	100	36669.07	0.441	81961.36	0.000	2.213	0.461	230.7	231.0	231.5	399.2	399.9	399.8	0.715	0.616
		2016/05/17	04:30:00	100	36669.34	0.517	81961.79	0.000	2.772	0.463	230.9	231,2	231.8	399.6	400.4	400.1	0.687	0.752
		2016/05/17	05:00:00	100	36669.56	0.441	81962.13	0.000	2.226	0.462	230.7	230.9	231.6	399.2	399.9	399.8	0.713	0.618
		2016/05/17		100	36659.82	0.595	81962.54		3.205		Z31.4		232.2	400.3	401.0	401.0	0.703	0.846
		2016/05/17		100	36670.08	0.441	81962.95		2.218		230.7	230.8	231.7	399.1	399.9	399.9	0.718	0.614
		2016/05/17		100	36670.28	0.445	81963.26		2.239	0.466	229.7	229.8	230.7	397.3	398.2	398.2	0.722	0.616
		2016/05/17		100	36670.57	0.443	81963.72		2.246	0.468	228.6	228.6	229.6	395.4	396.3	396.3	0.719	0.616
		2016/05/17		100	36670.94	0.894	81964.48		4.572	0.431	227.5	227.8	228.7	393.7	394.7	394.6	0.517	1.727
		2016/05/17		100	36671.44 36671.93	0.963	81965.65		5.110		228.0	228.2	229.5	394.6	395.8	395.6	0.523	1.841
		2016/05/17		100			81966.74		6.026	0.433	224.8	224.9	226.8	388.9	390.6	390.6		
		2016/05/17 2016/05/17		100	36672.78 36673.46	1.630	81969.47 81973.18		8.663	0.453	227.7	228.1 226.9	230.0	394.2 392.0	396.1 394.2	395.8 393.9	0.461 0.475	3.535
		2016/05/17		100	36674.38	1.691	81978.42	6.986		0.467	228.6	228.8	231.0	392.0	394.2	397.5	0.457	3.698
		2016/05/17		100	36675.31	1.838	81978.42		9.027	0.467	228.6	228.8	231.0	395.6	397.7	397.5	0,489	3.098
		2016/05/17		100	36676.2	1.656	81986.07	6.967	7.956	0.453	220.4	220.5	229.7	393.2	395.4	395.1	0.469	3.509
		2016/05/17		100	36676.93	1.712	81989.19		8.603		226.7	227.1	229.3	392.5	394.7	394.4	0.475	3.597
		2016/05/17		100	36677.78	1.637	81992.83		8.031	0.434	227.7	227.9	230.1	394.0	396.1	395.9	0.466	3.597
		2016/05/17		100	36678.56	1.248	81995.96		7.034		229.9	229.8	231.9	397.5	399.2	399.4	0.724	1.722
		2016/05/17		100	36679.13	1.068	81997.48		5.783		230.5		232.1	398.4	399.8	400.1	0.751	1.421
		2016/05/17		100	36679.77	1.314	82000.10		6.471	0.422	228.1	228.2	230.4	394.6	396.6	396.5	0.405	3.239
		2016/05/17		100	36680.49	1.284	82004.01		6.226	0.440	227.5	227.7	229.9	393.7	395.8	395.6	0.424	3.027
		2016/05/17		100	36681-24	1.487	82007.24			0.445	227.4	227.7	229.8	393.5	395.6	395.4	0.450	3.298

On top of the report listing is a row of buttons for navigating the report.

	of 11 🕨 🎽 🗧 🛞	🚱 🌲 🔲 🛍 🔍 -	100%	•	Find Next
--	-----------------	---------------	------	---	-------------

Item No.	Icon/Image	Description					
1	M	go to first page					
2	4	go to previous page					
3	•	go to next page					
4		go to last page					
5	1	current page number					
6	31	total number of pages					
7	÷	go up to parent report					
8		abort report generation					
9	•	refresh					
10	4	print					
11		display full page					
12		print page setup					
13	.	export as Word, Excel or PDF file					
14	100% -	displayed proportion					
15	• Find	keyword search					
16	Next	next report					

The button functions are as follows:



2.2. Consumption Reports

2.2.1. Daily

The Daily Consumption Report shows the daily reading and total consumption for each day within a given range of dates for any given meter. Each day starts and ends at midnight. If there is no data for that day, then the software will search back to the nearest day with data.

The process for creating the report is the same as that for the Data Log Detailed Listing. Only one meter can be selected for each report. Daily consumption data highlighted with light red indicates that the time span is not for a full day and should be treated with suspicion.

Log In Revenue Meter	Multi-Function Mete	er Water Mete	r Reports A	Alerts Help					
Meter Selection	Date From	Friday , a	April 01, 2016	• ~ Fr	iday , Juue	17,2016 💌	Seanh		
 Multi-Function Meter 	H 4 1	of 2 🕨 🔰	•	- I II II -	100%	•	Find Ne	đ	
E Revenue Meter SMB-S-1				Daily Const	umption Report			1/ 2	
- SMB-S-2 - SMB-S-3				DAE -	SMB-S-3				
- SMB-3-4 - SMB-3-5	From :	2016/04/01	To 2016/0	6/17					
- SMB-S-6 - SMB-S-7	Date	S-Date	S-Time	Reading	E-Date	E-Time	Reading	Consumed	
SMB-S-8	2016/04/01	2016/04/01	00:00:01	60116.04	2015/04/02	00:00:00	60121.23	5.19	
SMB-2-9 SMB-2-10	2016/04/02	2016/04/02	00:00:00	60121.23	2016/04/03	00:00:00	60121.23	0.00	
	2016/04/03	2016/04/03	00:00:00	60121.23	2016/04/04	00:00:00	60121.23	0.00	
Polszis	2016/04/04	2016/04/04	00:00:00	60121.23	2016/04/05	00:00:00	60121.23	0.00	
(i) Waler Meter	2016/04/05	2016/04/05	00:00:00	60121.23	2016/04/06	00:00:00	60121.23	0.00	
	2016/04/06	2016/04/06	00:00:00	60121.23	2016/04/07	00:00:00	60142.46	21.23	
	2016/04/07	2016/04/07	00:00:00	60142.46	2016/04/08	00:00:01	60165.47	23.01	
Meter Name	2016/04/08	2016/04/08	00:00:01	60165.47	2016/04/09	00:00:00	60179.09	13.62	
SMB-S-3	2016/04/09	2016/04/09	00:00:00	60179.09	2016/04/10	00:00:00	60179.09	0.00	
	2016/04/10	2016/04/10	00:00:00	60179.09	2016/04/11	00:00:01	60179.09	0.00	
	2016/04/11	2016/04/11	00:00:01	60179.09	2016/04/12	00:00:01	60190.80	11.71	
	2016/04/12	2016/04/12	00:00:01	60190.80	2016/04/13	00:00:00	60203.95	13.15	
	2016/04/13	2016/04/13	00:00:00	60203.95	2016/04/14	00:00:00	60215.71	11.76	
	2016/04/14	2016/04/14	00:00:00	60215.71	2016/04/15	00:00:01	60227.18	11.47	
	2016/04/15	2016/04/15	00:00:01	60227.18	2016/04/16	00:00:00	60239.09	11.91	
	2016/04/16	2016/04/16	00:00:00	60239.09	2016/04/17	00:00:01	60239.09	0.00	
	2016/04/17	2016/04/17	00:00:01	60239.09	2016/04/18	00:00:00	60239.09	0.00	
	2016/04/18	2016/04/18	00:00:00	60239.09	2016/04/19	00:00:00	60250.15	11.06	
	2016/04/19	2016/04/19	00:00:00	60250.15	2016/04/20	00:00:01	60261.95	11.80	
	2016/04/20 2016/04/21	2016/04/20 2016/04/21	00:00:01	60261.95 60276.10	2016/04/21 2016/04/22	00:00:01	60276.10 60293.12	14.15	
	2016/04/21 2016/04/22	2016/04/21 2016/04/22	00:00:01	60276.10	2016/04/22 2016/04/23	00:00:01	60293.12	17.02	
	2016/04/22 2016/04/23	2016/04/22 2016/04/23	00:00:00	60293.12	2016/04/23	00:00:00	60307.07	3.19	
	2016/04/23	2016/04/23	00:00:00	60310.26	2016/04/25	00:00:01	60310.26	0.00	
	2016/04/25	2016/04/25	00:00:01	60310.26	2016/04/25	00:00:01	60325.41	15.15	
	2016/04/26	2016/04/25	00:00:01	60325.41	2016/04/20	00:00:00	60339.82	14.41	
	2016/04/27	2016/04/27	00:00:00	60339.82	2016/04/28	00:00:00	60354.00	14.18	
	2016/04/28	2016/04/28	00:00:00	60354.00	2016/04/29	00:00:01	60366.31	12.31	
	2016/04/29	2016/04/29	00:00:01	60366.31	2016/04/30	00:00:00	60377.85	11.54	
	2016/04/30		00:00:00	60377.85	2016/05/01	00:00:00	60377.85	0.00	

Description of each field in the report:

Item No.	Field Name	Description			
1	Date	Date of consumption (yyyy/mm/dd)			
2	S-Date	Starting date (yyyy/mm/dd)			
3	S-Time	Starting time (hh:mm:ss)			
4	Reading	kWh or water reading of starting date			
5	E-Date	Ending date (yyyy/mm/dd)			
6	E-Time	Ending time (hh:mm:ss)			



7	Reading	kWh or water reading of ending date
8	Consumed	Total consumption for that day (Ending kWh - Starting kWh)

2.2.2. Monthly

The monthly consumption report shows the consumption of a given meter arranged by month from within a specified date range.

The consumption for each month is measured from the midnight of the last day of the previous month to the midnight of the last day of the given month. If no data is found on the start date, then the data from the nearest date prior to the start date is used. If no data is found on the end date, then the data from the nearest date prior to the end date is used.

The process for creating the report is the same as that for the Data Log Detailed Listing. Only one meter can be selected for each report. Daily consumption data highlighted with light red indicates that the time span is not for a full month and should be treated with suspicion.

Meter Selection	Date From	2016/01		🛛 · · 20	1606		Search	
B DAE Multi-Practico Meter SMB-M-1	[4 4 1		• 🛞 🚱	4 I U 4		•	Find	
3MB-M-2 3MB-M-3	6/17/2016 1	6 39 59			- SMB-M-3	at		1 / 1
	From :	2016/01	To 20		- 2MD-M-2			
- SMB-M-6 - SMB-M-7 - SMB-M-8	Month	S-Date	S-Time	Reading	E-Date	E-Time	Reading	Consumed
Revenue Meter How Water Meter	2016/01	2016/01/01	00:00:01	34279.74	2016/02/01	00:00:01	34777.46	497.72
(i). Aantet boeme	2016/02	2016/02/01		34777.46	2016/03/01	00:00:01	35170.58	393.12
	2016/03	2016/03/01		35170.58	2016/04/01		35739.49	568.91
	2016/04 2016/05	2016/04/01 2016/05/01		35739.49 36342.66	2016/05/01 2016/05/22	00:00:00 22:30:00	36342.66	603.17 466.50
	2016/05	2016/05/01 2016/06/16		36342.00	2016/05/22 2016/06/17		30809.10	460.50
	Total	2010/00/10	22100100	STOPLISE.	2010/00/17	80100.00	37 127 101	2574.14
Meter Name SMB-M-3					1			

Description of each field in the report:

Item No.	Field Name	Description
1	Month	Month and Year of consumption (yyyy/mm)
2	S-Date	Starting date (yyyy/mm/dd)
3	S-Time	Starting time (hh:mm:ss)



4	Reading	kWh or water reading of starting date
5	E-Date	Ending date (yyyy/mm/dd)
6	E-Time	Ending time (hh:mm:ss)
7	Reading	kWh or water reading of ending reading
8	Consumed Total consumption for that day (Ending kWh kWh)	

2.3. Event Reports

2.3.1. Operator Activity

The operator activity report is a log of the actions made to each meter by the operator; actions include changing the name of the meter, resetting the meter to zero and other similar actions.

	Multi-Functio	n Meter Water	Meter Report	is Alerts Help					
Meter Selection	Date F	rom Friday	January OL	2016 • ~ F	hiday . June	17.2016 •	Searth		
⊖-DAE ⊕-Multi-Function Meter	14 4) # 🛛 🗆 H-			Find Net		
(+) Revenue Meter	-		114 0 0						
in Water Meter	6/17/20	16 16:41:00		Operator Activ DAE			1 / 1		
	- 20-01								
	From :	1000 (100	/01 To 2	20072530					
	No	Date	Time	Meter Name			Activity		
	1	2016/02/23	19:48:50	EnergyLink400	0	System On			
	2	2016/03/04	19:52:55	EnergyLink400	0	System On			
	3	2016/03/09 2016/03/09	09:56:13	EnergyLink400	0	System Off			
	4	2016/03/09 2016/03/27	09:56:29 20:57:21	EnergyLink400 EnergyLink400		System On			
	6	2016/03/2/ 2016/04/29	16:43:02	EnergyLink400 EnergyLink400	0	System On System On			
	7	2016/04/29 2016/05/11	09:05:06	EnergyLink400 EnergyLink400	0	System On			
Meter Neme	8	2016/05/13	10:19:05	EnergyLink400	0	System Off			
Print Palle	9	2016/05/13	10:20:21	EnergyLink400	0	System On			
	10	2016/05/13	10:21:08	EnergyLink400	0	System Off			
	11	2016/05/13	10:22:17	EnergyLink400	0	System On			
	12	2016/05/13	10:23:59	EnergyLink400	0	System Off			
	13	2016/05/13	10:24:26	EnergyLink400	0	System On			
	14	2016/05/13	10:24:40	EnergyLink400	0	System Off			
	15	2016/05/13	10:26:52	EnergyLink400	0	System On			
	16	2016/05/13	10:44:16	EnergyLink400	0	System On			
	17	2016/05/13	10:44:28	EnergyLink400	0	System Off			
	18	2016/05/13	11:14:47	EnergyLink400	0	System On			
	19	2016/05/16	08:55:46	EnergyLink400	0	System Off			
	20	2016/05/16	08:59:43	EnergyLink400	0	System On			
	21	2016/06/13	22:41:11	EnergyLink400	0	System On			
	22	2016/06/13	22:41:38	EnergyLink400	0	System Off			
	23	2016/06/16	18:40:17	EnergyLink400	0	System On			
	24	2016/06/17	15:35:30	EnergyLink400	0	System Off			
	25	2016/06/17	15:35:38	EnergyLink400	0	System On			
	26	2016/06/17	15:52:28	EnergyLink400	0	System Off			
	27	2016/06/17	15:52:40	EnergyLink400	0	System On			
	28	2016/06/17	15:54:57	EnergyLink400	0	System Off			
	29	2016/06/17	15:55:08	EnergyLink400	0	System On			
	30	2016/06/17	15:57:17	EnergyLink400	0	System Off			

Description of eac	h field in	the report:
--------------------	------------	-------------

Item No.	Field Name	Description
1	No.	Sequencing number for each record generated by the software
2	Date	Date Logged (yyyy/mm/dd)
3	Time	Time Logged (hh:mm:ss)
4	Meter Name	A name assigned to the meter by the operator
5	Meter ID	A number identifying the meter make and model
6	Activity	Description of the action taken



2.3.2. Alerts

The alert report is a record of all the alert warnings that have occurred, alerts include events such as communication failure between the software and a meter device.

Meter Selection	Date From			2016 • ~ Fr			
 Multi-Function Meter Revenue Meter 	14 4 1	of 1 🕨)	1 + 0			Find Next	
(i) Water Meter				Albert F		1/ 1	
	From :	2016/04	/01 To		-		
	riom.	2010/04	10	2010/00/17			
	No	Date	Time	Meter Name	Meter ID	D Event	
	1	2016/04/29		PM210-P	40	PM210-P - Connection Lost,S-Rate = 0	
	2	2016/04/29		PM210-X	41	PM210-X - Connection Lost,S-Rate = 0	
	3	2016/05/11 2016/05/11		PM210-P PM210-X	40	PM210-P - Connection Lost,S-Rate = 0 PM210-X - Connection Lost,S-Rate = 0	
	5	2016/05/13		PM210-X	5	PM210 - Connection Lost, S-Rate = 0	
	6	2016/05/13		AMR100-D	6	AMR100-D - Connection Lost, S-Rate =	
Meter Name	-	nau cier (un	10.20.44			0	
	8	2016/05/13 2016/05/13		PM210-P PM210-X	40	PM210-P - Connection Lost,S-Rate = 0 PM210-X - Connection Lost,S-Rate = 0	
	9	2016/05/13		PM210-P	40	PM210-P - Connection Loss, S-Rate = 0	
	10	2016/05/13	10:22:51	PM210-X	41	PM210-X - Connection Lost,S-Rate = 0	
	11	2016/05/13		PM210-P	40	PM210-P - Connection Lost,S-Rate = 0	
	12	2016/05/13		PM210-X	41	PM210-X - Connection Lost,S-Rate = 0	
	13	2016/05/13		PM210-X	41	PM210-X - Connection Lost,S-Rate = 0	
	14	2016/05/18 2016/05/19		Polaris	42	Polaris - Connection Lost, S-Rate=0 Polaris - Connection Lost, S-Rate=0	
	15	2016/05/19		Polaris	42	Polaris - Connection Lost, S-Rate=0	
	17	2016/06/16		Polaris	42	Polaris - Connection Lost, S-Rate=0	
	18	2016/06/17	16:27:41	Polaris	21	Polaris - Connection Lost, S-Rate=0	
					1		

Description of each field in the report:

Item No.	Field Name	Description
1	No.	Sequencing number for each record generated by the software
2	Date	Date Logged (yyyy/mm/dd)
3	Time	Time Logged (hh:mm:ss)
4	Meter Name	A name assigned to the meter by the operator
5	Meter ID	A number identifying the meter make and model
6	Event	Description of the condition that caused the alert



2.4. Billing Report

2.4.1. Meter Billing Report

The Meter Billing Report can be generated for the period specified by the operator, and for the meter type, which can be either electricity or water.

The meters to include in the report can be selected from the meter outline and meter name window on the left side of the report. To select a meter, select the meter from the outline, then click on the meter name in the meter name window. If multiple meters need to be selected, first select the group in the outline, then select the group in the meter name window. Then click the <Search> button to generate the report.

If there is no data on the start date, then the data from the nearest date prior to the start date is used. If there is no data on the end date, then the data from nearest date prior to the end date is used.

IN-DAE		Friday , April 01				and a second		deter 🗸	See	mh		
14 4	4 1 of 1	1 > H + @		· 100%			Find Next					
						eter/s Billing F	Report r / Energy Mete					1 / 1
From :	m: 20	2016/04/01 To	2016/06/17		ANC - MUNI-	Function wete	 Energy were 	n			Tanff F	ate: 0.1
No.	lo. Mode	del Meter Na	ne S-Date	S-Time	S-Rate	Reading	E-Date	E-Time	S-Rate	Reading	Consumed	Amount
1	1 SMB35	350 SMB-M-1	2016/06/17	16:00:01	100	13836.59	2016/06/17	16:30:00	100	13838.9	2.31	0.23
2	2 SMB35	350 SMB-M-2	2016/06/17	16:00:01	100	29077.92	2016/06/17	16:30:00	100	29079.35	1.43	0.14
3	3 SMB35	350 SMB-M-3	2016/04/01	00:00:00	100	35739.49	2016/06/17	16:30:00	100	37437.04	1697.55	169.76
4	4 SMB35	350 SMB-M-4	2016/04/01	00:00:00	100	33872.5	2016/06/17	16:30:00	100	34046.14	173.64	17.36
5	5 SMB35	350 SMB-M-5	2016/04/01	00:00:01	100	42309.29	2016/06/17	16:30:00	100	44942.4	2633.11	263.31
6	6 SM835	350 SM8-M-6	2016/04/01	00:00:01	100	6700.58	2016/06/17	16:30:00	100	7398.52	697.94	69.79
7	7 SMB35	350 SMB-M-7	2016/04/01	00:00:01	100	84625.62	2016/06/17	16:30:00	100	84957.26	331.64	33.16
Meter Name S DAE	8 SMB35	350 SMB-M-8	2016/04/01	00:00:01	100	6314.3	2016/06/17	16:38:00	100	7740.06	1425.76	142.58

Description of each field in the report:

Item No.	Field Name	Description
1	No.	Sequencing number for each record generated by the software
2	Model	Meter model
3	Meter Name	A name assigned to the meter by the operator
4	S-Date	Starting date (yyyy/mm/dd)
5	S-Time	Starting time (hh:mm:ss)

6	S-Rate	Communication success rate on the start date when reading the kWh
8	Reading	kWh reading on the starting date and time
9	E-Date	Ending date (yyyy/mm/dd)
10	E-Time	Ending time (hh:mm:ss)
22	S-Rate	Communication success rate on the end date when reading the kWh
23	Reading	kWh reading on the ending date and time
24	Consumed	Total consumption for the given month (kWh End - kWh Start)
25	Amount	Billed amount for month (Consumed * Tariff Rate)



3. System Operation

Changing system settings require permission as an operator or administrator.

Click on the <Log In> button on the upper left, the log in window will appear, enter your operator or administrator login name and password then click <Accept> to be allowed access to the system operations screen.

🦗 Login		×
DAE EnersyL	ink 400	
		Login
User Name		
Password		
	Accept	Cancel

The privileges of an operator and an administrator are as follows:

Capability	Administrator	Operator
Account management	•	
Change user name	•	•
Reset meter to zero	•	•
Change tariff rate	•	•

Once logged in, the <Log In> button will change it text to <Log Out> and will begin flashing, this is to remind you to log out immediately once you finish making changes as an operator or administrator and prevent unauthorized persons from having access to the system.



Meter Selection	Date From		, April 01, 2			June 17, 2	016 • Mode	Energy 3	detez 🗣	Sea	mh		
	14 4 1	of 1 🕨	H + @ G		• 100%			Find Net					
					D		eter/s Billing R	eport / Energy Mete					1 / 1
	From :	2016/	04/01 To 21	16/06/17	5	No HEARL		. Chargy water				Tanff F	Rate: 0.1
	No.	Model	Meter Name		S-Time	C-Date	Reading	E-Date	E-Time	S-Date	Reading	Consumed	23078 - 248 2
	1	SMB350	SMB-M-1	2016/06/17		100	13836.59	2016/06/17		100	13838.9	2.31	0.23
	2	SMB350	SMB-M-2	2016/06/17	16:00:01	100	29077.92	2016/06/17	16:30:00	100	29079.35	1.43	0.14
	3	SMB350	SMB-M-3	2016/04/01	00:00:00	100	35739.49	2016/06/17	16:30:00	100	37437.04	1697.55	169.76
	4	SMB350	SMB-M-4	2016/04/01		100	33872.5	2016/06/17		100	34046.14	173.64	17.36
	5	SMB350	SMB-M-5	2016/04/01		100	42309.29	2016/06/17		100	44942.4	2633.11	263.31
	6	SMB350	SMB-M-6	2016/04/01		100	6700.58	2016/06/17		100	7398.52	697.94	69.79
Meter Name	8	SMB350 SMB350	SMB-M-7 SMB-M-8	2016/04/01 2016/04/01		100	84625.62 6314.3	2016/06/17		100	84957.26 7740.06	331.64 1425.76	33.16 142.58
Roome Meter Weter Moter								t					

If there is no user activity 300 seconds after logging in, the system will automatically log you out.

1	EnergyLink400
	System idle time more than 300 seconds, the system automatically logout
	ОК



3.1. Account Management

3.1.1. Account Setup

Account management allows the administrator to setup accounts and access levels. The administrator may add new accounts, modify existing accounts or delete accounts.

Der Nunc Perweil oor Kannen Perw	Add Modify Dele Accel Ac
Дар	Uptiinx

To add a new account, enter the new account name, password and access level in the account edit fields found near the top of the page. Then click on the <add>button to create a new user account.

User Name : Password : Access Level :	-]
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To make changes to an existing account, click on the account from the account list, it will then appear in the account edit fields, make the desired changes then click on the <Modify> button.

To delete an existing account, click on the account from the account list, it will then appear on the account edit fields, click on the <Delete> button to delete the account, the system will pop up a dialog to ask for confirmation, if the deletion was done on purpose, click on <Yes> to confirm. A deleted account cannot be restored.



Question
Are you sure to delete?
Yes No

Note that the password is masked with "*" when entered, if the user forgets their password then the account must be deleted then recreated. The root account can neither be changed nor deleted.

3.2. Setup

3.2.1. Meter Renaming

Each meter can be assigned a user designated name.

ink 400 Log O		
	Molify	
Meter Type	Meters Name	
Multi-Functi	len: SMB-M-1	
	leer SMB-M-2	
Multi-Functi		
Multi-Functi		
Multi-Functi	leter SMB-M-5	
Multi-Functi		
Multi-Functi Multi-Functi		
Revenue Me	leer SMB-M-8 SMB-S-1	
Revenue Me	SME-5-1 SME-5-2	
Revenue Me	SMB-6-2 SMB-5-3	
Revenue Me	SMD-54	
Deeman Ma	SMD-5-5	
Revenue Me	SMB-5-6	
Revenue Me	SME S-7	
Revenue Me	SME-5-8	
Revenue Me	SMB-5-9	
Revenue Me	SMB-3-10	
Revenue Me	SMB-S-11	
Revenue Me	SMB-S-11	
Revenue Me	Polacis	
Water Meter	AMD-D	

To change the meter name, click on the meter in the list, the meter name will above in the meter name field above the list, change the meter name as desired then click on the <Modify> button to save the name change.

Modify

When the name change has been made successfully, the system will pop up a screen to indicate success.



Ene	rgyLink400	
N	Nodify Success	
	ОК	

Note that when changing the meter name, make sure that the name used is not a duplicate of an existing name to minimize the potential for confusion.

3.2.2. Reset to Zero

This software allows the operator or administrator to reset the cumulative reading of a meter to zero.

Institution Institution Institution Institution No. Motion Motion Motion Motion 1					
1 348-54 34639 1333.92 2 348-52 34639 3981.66 3 348-53 34639 6694 4 348-53 34639 6694 5 348-53 34639 6694 6 348-54 34639 1290.14 7 348-54 34639 1290.14 6 348-54 34639 1290.14 7 348-54 34639 1293.05 8 346-54 34639 2293.05 9 348-54 34639 2393.05 10 348-54 34639 2393.05 11 348-54 34639 2393.64 12 348-54 34639 2393.64 13 348-54 34639 2390.61 14 348-54 34639 2390.61 15 348-84 34639 2390.61 16 348-84 34639 2390.61 16 348-84 3	Select All Deselect All			To zero Ret	iresh
1 348-54 34639 1333.92 2 348-52 34639 3981.66 3 348-53 34639 6694 4 348-53 34639 6694 5 348-53 34639 6694 6 348-54 34639 1290.14 7 348-54 34639 1290.14 6 348-54 34639 1290.14 7 348-54 34639 1293.05 8 346-54 34639 2293.05 9 348-54 34639 2393.05 10 348-54 34639 2393.05 11 348-54 34639 2393.64 12 348-54 34639 2393.64 13 348-54 34639 2390.61 14 348-54 34639 2390.61 15 348-84 34639 2390.61 16 348-84 34639 2390.61 16 348-84 3	No	Meter Name	Meter Model	k 狎 h	
1 Bdb-2 Bdb30 9994 66 4 Bdb33 Bdb30 6094 10 6 Bdb34 Bdb30 6094 10 6 Bdb35 Bdb30 Bdb44 6 Bdb34 Bdb30 Bdb44 6 Bdb54 Bdb30 Bdb44 6 Bdb54 Bdb30 Bdb44 6 Bdb54 Bdb30 Bdb44 6 Bdb54 Bdb30 Bdb54 6 Bdb54 Bdb30 Bdb54 7 Bdb54 Bdb30 2004 13 Nabs Bdb30 2004 14 Bdb34 Bdb30 2004 13 Nabs Bdb30 2004 14 Bdb34 Bdb30 2004 15 Bdb34 Bdb30 2004 14 Bdb34 Bdb30 2004 15 Bdb34 Bdb30 2004 16 Bdb34 Bdb30 2004					
4 3045-44 304303 1237.33 5 3048-54 304303 3064 6 3048-54 304303 1262.34 7 3045-54 304303 1263.36 8 3045-54 304303 1263.36 9 3045-54 304303 1363.06 10 3045-54 304303 2361.46 11 3045-51 3043.03 2363.04 12 3045-51 3043.05 2363.04 14 3045-51 3043.05 2360.04 14 3045-41 3043.05 2360.04 14 3045-41 3043.05 2360.04 15 3045-44 3043.05 7404.04 16 3045-44 3043.05 7404.04 16 3045-44 3043.05 7404.10 16 3045-44 3043.05 7404.10 16 3045-44 3043.05 7404.10 16 3045-44 3043.05 7404.10	2	SMB-0-2	3MB350	39816.46	
5 3048-5 304303 3064 6 3048-54 304303 126224 6 3048-54 304303 12624 7 3048-54 304303 12614 8 3048-54 304303 32816 9 3048-54 304303 32816 10 3048-51 30503 32814 11 3048-11 30503 32814 12 3045-11 30503 32814 13 Neks 304503 32814 14 304541 30503 32814 14 304541 30503 32814 14 304541 30503 32814 15 304543 30503 32814 16 304543 30503 3484519 16 304543 30503 44619 16 304543 30503 44619 16 304543 30503 46619 16 304543 30503 <td>3</td> <td></td> <td>3MB350</td> <td>60894.01</td> <td></td>	3		3MB350	60894.01	
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• BM5-8 BM50 1183.00 • AB45.9 BM50 BM6.40 • AB45.9 BM50 BM6.40 • BM6.9 BM50 DM6.40 • BM5.91 BM50 DM6.40 • AB45.91 BM50 DM6.40 • BM6.91 BM50 DM6.40 • AB45.91 BM50 DM6.40 • AB45.91 BM50 DM6.40 • AB45.94 BM50 A446.19 • AB45.94 BM50 A446.19 • AB45.94 BM50 A446.19 • AB45.94 BM50 A446.19					
9 3049-9 30433 33816 10 3049-54 30433 338114 11 3449-54 34633 22834 13 3449-54 34633 22843 14 3469-54 34633 3484 13 3494 34633 3484 14 3469-54 34633 3494 15 3484-54 34633 3494,513 16 3484-54 34633 3494,513 19 3494,54 34633 3494,513 19 3494,54 34633 3794,933 19 3494,54 34633 3794,933 19 3494,54 34633 3794,74 19 3494,54 34633 3794,74	7	2MB-3-7		22393.05	
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12 304-5-11 304/30 790-56 13 Pokes 54/20.7 14 304-54.4 24/20.9 134/10 15 304-54.4 24/20.9 29/00.0 16 304-54.4 24/20.9 29/00.0 17 304-54.4 24/20.9 29/00.0 18 304-54.4 24/20.9 29/00.0 19 304-54.4 24/20.9 29/00.0 19 304-54.4 24/20.9 24/41.70 19 304-54.4 304/30.9 72/07.7 19 304-54.4 304/30.9 72/07.7 20 304-54.5 304/30.9 72/07.7	11			22938.24	
13 Notes Pales 64207 14 A165.46 A165.96 1384.10 15 A165.46 A165.90 1384.10 16 A165.46 A165.90 740.00 17 A165.46 A165.90 740.40 19 A164.84 A165.90 4464.59 19 A164.84 A165.90 4464.97 19 A164.84 A165.90 4464.97 19 A164.84 A165.90 4664.97					
15 DHH-V4 DHB/30 20200.51 16 DHE-V4 DHB/30 274.83.33 17 DHE-V4 DHB/30 2464.51.9 18 DHE-V4 DHB/30 4464.370 19 DHE-V4 DHB/30 279.07 20 DHE-V4 DHB/30 4464.70	13			6402.07	
i6 306-8-3 30630 77-0833 i7 308-84 30630 346439 i9 306-84 30630 446437 i9 306-84 30630 46677 i9 306-84 30630 46677	14		SMB350	13841.00	
17 3049-84 304030 494643 18 3049-845 3040303 4464370 19 3049-845 3040303 793077 20 3049-845 3040303 1940374					
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19 3069-84-6 316330 7399.07 20 3069-84-7 316350 84957.44					
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	19		201230	7399.07	
	20				
	E 21	andproteo	2812000	1140.30	

To reset the cumulative reading of a meter to zero, select the meter from the list then click on the <To zero> button on the upper right of the page. Note that resetting the meter to zero is permanent and cannot be undone.



Clicking the <Refresh> button refreshes the status information of the meters.



3.3. Setting the Tariff Rate

3.3.1. Flat Tariff Rate

The flat tariff is used for computing the billed amount in the billing report, the billed amount is computed based on the total consumption for the given range of dates.

Electricity and water meters each have their own separate tariff rates. The tariff rate appropriate to the meter type will be used when computing the billing amount.

Simple Rate	×
DAE Ener	sy Link 400
Change R	ate
Each unit of en will be multiplied	ergy or water consumed I by its rate
Energy :	5
Water :	10
Accept	Cancel

After entering the tariff rates and clicking <Accept>, the software will ask for confirmation. Clicking <OK> on the confirmation dialog will cause the new tariff rate to be saved to the database.

Confirmation
Confirm tariff rate change?
OK Cancel



4. System Specifications

4.1. System Requirements

- Compatible with Windows XP (SP3 or better), Windows 7, Windows 8; 32 or 64 bits.
- Database MySQL.
- ✤ Memory: 4GB or more; Disk Storage: 10GB or more.
- The database should be backed up regularly and a UPS should be installed to provide backup power for the host computer and communication equipment.

4.2. Products Supported

DAE Product Models:

- Electricity Meters: Polaris 1500, Polaris 2500, Polaris 3000, PM200
- ➢ Water Meter AMR Modules: AMR100-D, AMR-D
- Multi-function Meters: PM210, SMB350

4.3. Meter Data Acquisition

The software continuously polls each of the meters in turn and displays the data on the screen, and it will log the meter data every 30 minutes. The logged data is then used when creating a report.