SMART ENTERPRISE - ACCOUNT

PERFORMANCE To manageA portfolio of multiple sites, they can be grouped for access with a single login using a SolarVu SMART Enterprise account. Apply to contactus@cachelan.com to set up an Enterprise account. From a single screen, view status of all sites, sort by different parameters, compare performance for any time period, print PDF reports, download CSV data files for analysis or jump directly to any site.



Report tab

F	Performance Report							
GROU	JP Ontario Schools Portfolic PROFILE Revenue	\sim	PERIOD Life	Time 🔽	Edit	Help	PDF	Download
	Name 🔽	Run Time	Sell Power Now	Output % SolarMap	Sell Size	Sell Energy	Sell Rate	Sell Revenue
Total	52		472 kW		1,168 kW	3,365 MWh		\$ 2,483,907
1	Durham College	5.7 Years	38.1 kW	100 %	70.0 kW	496,086 kWh	\$ 0.80	\$ 396,869
2	Blessed Cardinal Newman	3.4 Years	70 kW	117 %	100 kW	512,579 kWh	\$ 0.71	\$ 365,469

 Performance View online status of all sites including fault alarms and communications health. Select from different parameters arranged into profiles over any time period such as power now, energy and revenue. Report Select the desired Group, Profile and Period then create a PDF report for any displayed view for all or a subgroup of sites. Use the Type pulldown and Download button to download data in CSV format for performance analysis in a spreadsheet.

- 2. **GROUP** View all sites on one screen or divide a large portfolio into smaller related groups of sites for display separately. Only the sites in the selected group will be visible and totalled for display and reports.
- 3. **PROFILE** Choose related parameters for display and reports. Create and name new profiles as needed to suit personal preferences.
- 4. **PERIOD** Choose a time period of interest. Data is stored for the lifetime of the system since start up. The values will be shown for the selected time interval. Totals will automatically be displayed for the time period in the first row.
- 5. **PARAMETER** Create a profile with the required parameters for display from over 25 measured values. Click on the parameter of interest to sort sites in ascending order by that parameter. Click again for descending order. To find sites alphabetically, click on the Name header.
- 6. **NAME** Each site is identified with its default SolarVu web address assigned at the factory, an alias alternative address and a site name, both of which are assigned in SETUP. Sort all sites by the preferred method of identification selected with the Name arrow button. Click the site name to go directly to the site energy portal SITE view.

7. COMMUNICATION & ALARM STATUS

Comm Light: Green-internet connection OK. Red-No internet connection for last 2 hours. Yellow-partial internet connection. Check for poor 3G cellular signal, intermittent ISP connection, no LAN connection if the Comm light is not green.

Alarm Light: Green- all devices reporting OK. Red-caused by inverter fault code, Sun Low Power alarm (WeatherTrak), Combiner alarm, no serial data (inverter is off, sleeping or connection problem).

Click on the Status - Alarm or Comm heading to sort sites by those that have a problem. Click on the indicator to go directly to the site ANALYZER screen with diagnostic information about the problem. To go directly to the site LIVE view, click on the site name for more details. Click on the site number in the left column if it is underlined, to get a popup of maintenance notes that have been entered in the site SETUP. This is helpful for O&M staff to view what work has been done on the site.

- 8. **SETUP** To change settings for a site, click the Setup button. This button will only appear if the login was with the administrator password. Visitor login only allows looking at the site but not changing settings.
- 10. **CREATE PROFILE** To edit an existing Profile or create a new named Group of parameters for display, click the Edit button or white arrow shortcut. This is only available to accounts with administrator privileges.



GROUPS & PROFILES

CREATE & EDIT GROUPS Your SMART Enterprise account will come with a factory default Group called All to display every site. Customize your account to subdivide a large portfolio into smaller groups of sites for display together. An administrator login is required to make these changes.



- 1. GROUP SETUP Create, edit or delete a group by clicking the Edit button or arrow shortcut.
- 2. GROUP TAB Select the Group tab to make changes to Groups.
- 3. ACTION Delete or edit an existing group. Click the Add button to create a new group of sites.
- 4. **GROUP NAME** Assign a meaningful name that will appear in the Group pulldown box.
- 5. REFERENCE Optionally add a Reference to appear in the Group edit list for further details
- 6. SELECT SITES Check each site from the total of all sites in the portfolio that should appear in this group.
- 7. SAVE Click Save to retain the group or Exit without Save to abandon it.
- 8. **EXIT** Once all sites are selected and saved, click Exit to return to the main screen. This group can be edited later to add or delete sites by returning to the Group setup screen and selecting the Edit button.

PROFILES - CONFIGURATION

CREATE & EDIT PROFILES Your SMART Enterprise account will come with factory default Profile combinations of paramters. Arrange parameters into Profiles to see only those measured values of interest from over 40 possibilities. An administrator login is required to make these changes.



- 1. **PROFILE SETUP** Create, edit or delete a profile by clicking the Edit button or arrow shortcut.
- 2. **PROFILE TAB** Select the Profile tab to make changes to Profiles.
- 3. ACTION To create a new profile click the Create button or the Delete button to remove an existing profile.
- 4. **PROFILE NAME** Enter a meaningful name like Revenue, Savings or Output that will appear in the Profile pulldown box.
- 5. **ASSIGN PARAMETRS** From the pulldown arrow button in the parameter name header, select from over 25 measured parameters for that column. Choose None to make the column blank. In the Performance and Reports screens, these parameters will appear in the order shown and saved here. Create profiles to display different types of information like Revenues, Green Savings, Performance to suit your specific requirements.
- 6. SAVE Click Save to keep the new profile or changes.
- 7. EXIT Click Exit to return to the Performance screen. Click Save before Exit to retain the changes.



PARAMETER DEFINITIONS

PARAMETER SELECTION Over 50 different parameters can be selected and arranged into different profiles for creating different views and reports. The definition of each parameter is listed here in order of the selection pulldown menu in Profile Setup

ĨĖĪĖÌĜIĆĨ	UNITS	DEFINITION
SELL ENERGY		
Sell Lifetime	\$	ĪŇQŇŪÞŇĚĞHİ ØMAŇŔPŎRVŨŇŪŇØŊŘÔJ O CEŪŪŃŇCEŇCENÖ CERVØPÞŐ
Sell Energy	kWh	Total energy generated kWh for selected period
Sell Power	kW	Now Actual system power being generated now kW
Sell Revenue	\$	Revenue = FIT rate x energy kWh for the selected period
Sell Rate	\$/kWh	FIT sell rate entered in SETUP used for revenue calculations
BUY ENERGY		
Buy Lifetime	kWh	Grid energy used since start up. Only available is a grid meter is installed.
Buy Energy	kWh	Grid energy used for selected period. Only available is a grid meter is installed.
Buy Power Now	kW	Grid power now. Only available is a grid meter is installed.
Buy Cost	Ś	Grid energy * Buy power cost /kWh entered in SETUP. Grid meter must be installed.
Buy Rate	Ś	Grid energy * Average cost of power entered in SETUP. Grid meter must be installed.
	Ŧ	
SITE SPECIFICATION		
Size kWac	kWac	Size kWac Rated total AC output of system kW for 100% capacity
Size kWdc	kWdc	Size kWdc Rated total DC solar panel kW. Usually greater than AC rating
Installation	Date	Installation Date of startup used to calculate run time
Run Time	d a ys	Run Time Run time in days or years from initial startup date entered in SETUP
PERFORMANCE		
Performance Ratio AC	%	Actual energy / (AC capacity * insolation) for selected period
Performance Ratio DC	%	Actual energy / (DC capacity * insolation) for selected period
Expected Energy	kWh	Energy expected from PVsys design for the selected time period. Values from PVsys report must be entered in SETUP
Expected Revenue	\$	Revenue expected = PVsys expected energy x FIT rate for the selected time period. Values from PVsys report must be entered in SETUP
Output kWh/kWac/yr	kWh	Annual energy per kW of installed rated inverter output capacity. Normalized for comparing relative performance of systems with different size of inverter AC output capacity.
Output kWh/kWdc/yr	kWh	Annual energy per kW of installed total DC panel capacity. Normalized for comparing relative performance of systems with different size total DC panels capacity.
Output FSH/day	kWh	Daily energy / AC capacity expressed in FSH (Full Sun Hours). Energy from one FSH is the energy the system would produce for 1 hour of irradiance at 1000W/m^2 (STD)
Solar Map kWh/kWac/yr	kWh	Expected annual energy for per kW of installed AC capacity based on historical records of horizontal insolation as measured for the selected location. This value must be entered in SETUP from a solar map for this location.
Solar Map FSH/Day	FSH	Expected daily energy expressed in FSH (Full Sun Hours) per kW of installed AC capacity based on the solar map value entered in SETUP for this location.
Output Now % Capacity	%	Actual kWac output now / Rated kWac capacity of the system. Total inverter rated output in kWac is entered in SETUP. 100% means the system is generating at full rated output.
Output % solar Map	%	Actual energy / expected energy from a solar map for this location (entered in SETUP) for the selected period.
		Annual revenue / kWac rated system capacity. Normalized to allow comparing systems of
Output \$/kWac/yr	\$	different size to see which produces more revenue for the same rating.
Output \$/kWdc/yr	\$	Annual revenue / kWdc total rated installed DC panel capacity. Normalized to allow comparing systems with different size DC panel ratings to see which produces more revenue for the same DC rating.

PARAMETER	UNITS	DEFINITION
PERFORMANCE (continued)		
% Green Power	%	(S-G)/S *100 where S= Solar Power kW now, G=grid power kW now. Only available on systems that measure both solar and grid generation. 100% means all power used is coming from solar generation.
% Green Energy	%	(S-G)/S *100 where S= Solar Energy kWh, G=grid energy kWh over the selected time period. Only available on systems that measure both solar and grid generation. 100% means all energy used for the time period came from solar generation.
Forecast energy	kWh	Value enetered SETUP from the PVsys report for expected energy for the selected period.
Forecast Insolation	kWh m-2	Value entered in SETUP from the PVsys report for the expected insolation based on solar map values for the selected period. Used for caclulating performance by comparing measured irradiance from the Pvsys model.
Forecast Revenue	\$	Expected revenue = FIT rate * PVsys forecast energy for the selected period. Used for calculating performance by comparing actual to expected.
Energy kWh Variance	kWh	Actual energy - PVsys forecast energy Pvsys values must be entered in SETUP. Positive values indicate better than expected performance.
Insolation Variance	kWh m-2	Measured insolation - PVsys Expected insolation Pvsys insolation values from a solar map must be entered in SETUP
Revenue \$ Variance	%	Actual revenue / (PVsys expected energy * FIT rate) Positive value indicated higher than expected revenues for the selected period.
Energy % Variance	%	Actual energy / PVsys forecast energy Pvsys values must be entered in SETUP. Positive values indicate better than expected performance.
Insolation % Variance	%	Actual insolation / PVsys forecast insolation. PVsys values must be entered in SETUP. Positive values indicate more insolation (sunlight energy) received than expected for the selected period.
Revenue % Variance	%	Revenue / Expected revenue as calculated by the PVvsys model. Positive values indicate better than expected performance for the selected period.

POWERWATCH

Power Ratio Yesterday	Lowest inverter power /highest inverter power at 12PM yesterday.
Energy Ratio Yesterday	Lowest inverter energy yesterday / Highest inverter energy yesterday
Energy Ratio Today	Lowest inverter power /highest inverter power today. NA displayed if not available
kWh/kWac Yesterday	Total energy / rated AC capacity yesteday. Used to compare relative output of different size systems
Actual FSH Yesterday	Amount of insolation received yesteday in FSH (full sun hours). 1 FSH = 1000 w/m2
Performance Ratio AC Yesterday	Actual energy / (AC capacity * insolation) for yesterday. Shows actual to expected output
Performance Ratio DC Yesterday	Actual energy / (DC capacity * insolation) for yesterday. Shows actual to expected output

WEATHERTRAK

Irradiance Now	W/m-2	Measured irradiance at the site now from the WeatherTrak sensor
Insolation	kWh/m-2	Measured insolation for the selected period from the WeatherTrak sensor.
Lifetime Insolation	kWh/m-2	Insolation (sunlight energy) measured by the WeatherTrak sensor since system start up
SAVINGS		
Savings GHG lb	lb	Energy generated for the selected period is converted to the amount of GHG (green house gas) that would be produced burning fossil fuels to generate the same energy. The conversion rate varies by location and can be changed in SETUP
Savings EV km	km	Energy generated for the selected period is converted to the distance a typical EV could drive assuming 5km/kWh conversion rate
Savings Gasoline litre	litres	Energy generated for the selected period is converted to the amount of gasoline that would be required to produce the same energy.
Savings Notebook hr	hours	Number of hours a typical notebook computer that uses 25W could run from the energy generated over the selected period.
Revenue % Variance	%	Revenue / Expected revenue as calculated by the PVvsys model. Positive values indicate better than expected performance for the selected period.

HISTORY

Views	A measure of how much use the SolarVu portal is getting. Each time a new visitor accesses the portal the view counter is incremented by 1
Last Visit Date	Last date the SolarVu portal was accessed on line. Use this to determine if the site is still being actively used.



REPORTS

CREATE REPORTS & DOWNLOAD DATA Create PDF reports for groups of sites, sorted with different parameters including totals, for any selected time period. Use this to compare sites to each other, check utility payments and do accounting audits. For performance analysis, site data can be exported as a CSV file for further custom analysis in a spreadsheet or imported into a database.

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F	Performance Report	1			Aug	7, 2015, Fri	10:02 AM (GMT -5:00
GROI	JP Ontario Schools Portfolic PROFILE Revenue	F F	PERIOD Life	Time 🔽	Edit	2	PDF	Download
	Name 🔽	Run Time	Sell Power Now	Output % SolarMap	Sell Size	Sell	Sell Rate	Sell Revenue
Total	52		472 kW		1,168 kW	3,365 MWh		\$ 2,483,907
1	Durham College	5.7 Years	38.1 kW	100 %	70.0 kW	496,086 kWh	\$ 0.80	\$ 396,869
2	Blessed Cardinal Newman	3.4 Years	70 kW	117 %	100 kW	512,579 kWh	\$ 0.71	\$ 365,469
3	Mary Honeywell ES	2.0 Years	15.3 kW	80 %	150 kW	306,781 kWh	\$ 0.71	\$ 218,735
4	Cairine Wilson SS	2.1 Years	55 kW	55 %	100 kW	151,101 kWh	\$ 0.71	\$ 107,735
5	Kipling Collegiate Institute	3.4 Years	0 kW	75 %	40.0 kW	133,095 kWh	\$ 0.71	\$ 94,897
6	Bishop Marrocco/Thomas Merton CSS	3.2 Years	10.8 kW	98 %	30.0 kW	121,076 kWh	\$ 0.71	\$ 86,327
7	Convent Glen ES	1.9 Years	31.5 kW	83 %	50.0 kW	105,370 kWh	\$ 0.71	\$ 75,129
8	Collège catholique Samuel-Genest	1.1 Years	69 kW	95 %	74.0 kW	98,549 kWh	\$ 0.71	\$ 70,266
9	King's University College	4.5 Years	12.1 kW	70 %	20.0 kW	82,236 kWh	\$ 0.80	\$ 65,953
10	Castlefrank ES	308 Days	72 kW	83 %	100 kW	91,496 kWh	\$ 0.71	\$ 65,237
14.		0.014				70.074.000	0.0.74	

Enterprise generated CSV file saved as a spreadsheetPDF report

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	Aug 7, 2015, Fr	i 5:53 PM (GMT -5:00)							
	Schools - Reve	nue - Lifetime							
	Num Name		Run Time (Days)	Sell Power-Now (W)	Output-% SolarMap	Sell Size (W)	Sell Energy (kWh)	Sell Rate	Sell Revenue
	1 Our Lady	of Fatima Catholic Eleme	1,094	46,800	110.609	100,000	430752	\$0.71	\$307,126
	2 Durham	College	2,066	31,196	100.209	5 70,000	496471	\$0.80	\$397,177
	3 South M	arch PS	1,505	7,072	79.509	10,000	42595	\$0.80	\$34,161
	4 Beaver B	Brae Secondary School	1,893	5,412	66.709	5 10,000	44958	\$0.80	\$35,967
i	5 St. Josep	h's Catholic High School	1,556	5,097	102.309	5 10,000	56712	\$0.80	\$45,483
	6 St. Paul	CES	1,893	4,194	61.009	5 10,000	41149	\$0.80	\$32,919
	7 St. John	Catholic High School	1,556	3,606	88.109	5 10,000	48823	\$0.80	\$39,156
	8 Pouce Co	oupe Elementary School	1,787	3,182	62.909	5,000	20025	\$0.07	\$1,442
1	9 Georgian	n Bay Secondary School	1,893	2,988	77.209	5 10,000	52022	\$0.80	\$41,617
	10 Jersey P	ublic School	1,893	2,988	73.809	5 10,000	49775	\$0.80	\$39,820
i	11 Stittsvill	e PS	1,505	2,784	89.209	5 10,000	47821	\$0.80	\$38,352
	12 St. Jame	s Catholic High School	1,488	2,170	73.009	10,000	38683	\$0.80	\$31,024
8	13 Queen E	lizabeth PS	1,505	1,973	67.009	5 10,000	35890	\$0.80	\$28,784
9	14 Sir Guy C	Carleton SS	1,648	1,871	88.409	5 10,000	51859	\$0.80	\$41,591
)	15 St.Thom	as Aquinas Catholic High 5	1,556	1,794	93.409	5 10,000	51778	\$0.80	\$41,526
	16 West Ca	rleton SS	1,505	1,492	83.409	5 10,000	44692	\$0.80	\$35,843
2	17 Nepean	HS	1,505	1,473	69.709	5 10,000	37374	\$0.80	\$29,974
	18 York Stre	eet PS	1,505	1,412	94.509	5 10,000	50652	\$0.80	\$40,623
1	19 Sutton P	ublic School	1,832	852	72.709	3,150	14944	\$0.80	\$11,955
5	20 Our Lady	r's School	1,858	844	102.309	4,000	34198	\$0.44	\$15,047
5	21 Marymo	unt Primary School	1,841	608	95.209	2,000	15765	\$0.44	\$6,936
7	22 St. Micha	ael Catholic High School	1,514	594	89.709	5 10,000	48359	\$0.80	\$38,784
	23 Brankson	me Hall	2,094	579	77.609	3,000	17373	\$0.80	\$13,898
9	24 Bethania	Lutheran Primary School	1,928	92	86.809	2,800	21112	\$0.44	\$9,289
	25 Sapphire	Coast Anglican College	1,611	52	74.509	6,660	35946	\$0.44	\$15,816
	26 St Jean o	le Brebeuf CHS	2,450	42	70.709	5 1,000	6165	\$0.80	\$4,932
	27 Crescent	t School	2,279	36	83.809	1,000	5362	\$0.80	\$4,289
8	28 Tweed H	leads Public School	1,719	0	8.709	5,000	3356	\$0.60	\$2,013
	29 Bremer	State High School	1,639	0	0.009	i 1,000	0	\$0.44	\$0
5	30 Mosman	Preparatory School	1,620	0	0.009	10,000	24	\$0.44	\$10.55
5	31 Redeem	er Lutheran College	1,832	0	9.209	4,200	3192	\$0.44	\$1,404
41 I.	22 Dialba St	ato Echool	2 422	0	20 500	6 000	25000	\$0.44	¢11 206

Enterprise generated PDF report

Num Total	2002020 0 0 20 220	Schools Portfolio - Revenue - Last 30 Days Aug 7, 2015, Fri 1:34 PM (GMT							
Total	Name	Run Time	Sell Power	Output	Sell Size	Sell Energy	Sell Rate	Sell Revenu	
	52		654 kW	% aoiannap	1,168 kW	169,381 kWh		\$ 121,24	
	Mary Honeywell ES	2.0 Years	35,280 W	154.0 %	150 kW	24,680 kWh	\$ 0.71	\$ 17.59	
2	Blessed Cardinal Newman	3.4 Years	99,300 W	194.3 %	100 kW	20,763 kWh	\$ 0.71	\$ 14,80	
3	Cairine Wilson SS	2.1 Years	99,860 W	173.1 %	100 kW	18,491 kWh	\$ 0.71	\$ 13,18	
4	Castlefrank ES	308 Days	87,520 W	167.1 %	100 kW	17,858 kWh	\$ 0.71	\$ 12,73	
5	Durham College	5.7 Years	62,553 W	167.7 %	70 kW	12,063 kWh	\$ 0.80	\$ 9,68	
6	CollA'ge catholique Samuel-Gen	1.1 Years	66,201 W	159.3 %	74 kW	12,598 kWh	\$ 0.71	\$ 8.96	
7	Convent Glen ES	1.9 Years	50,720 W	176.9 %	50.0 kW	9,452 kWh	\$ 0.71	\$ 6,74	
8	Carleton Heights PS	2.1 Years	20,300 W	112.0 %	50.0 kW	5,981 kWh	\$ 0.71	\$ 4,26	
9	Cassandra Public School	2.2 Years	0 W	134.5 %	30.0 kW	4,313 kWh	\$ 0.71	\$ 3,07	
10	King's University College	4.5 Years	13,040 W	162.6 %	20.0 kW	3,474 kWh	\$ 0.80	\$ 2,78	
11	Bishop Marrocco/Thomas Merton	3.2 Years	16,401 W	104.7 %	30.0 kW	3,356 kWh	\$ 0.71	\$ 2,39	
12	Earl Jewhurst	3.4 Years	3,573 W	183.7 %	12.0 kW	2,355 kWh	\$ 0.80	\$ 1,88	
13	Monsignor Doyle CSS	5.2 Years	6,606 W	166.7 %	10.0 kW	1,782 kWh	\$ 0.80	\$ 1,42	
14	Bishop Macdonell CHS	4.1 Years	0 W	161.4 %	10.0 kW	1,725 kWh	\$ 0.80	\$ 1,38	
15	Fem Avenue Public School	3.4 Years	0 W	160.3 %	10.0 kW	1,712 kWh	\$ 0.80	\$ 1,37	
16	Grey Highlands Secondary Schoo	4.0 Years	9,066 W	159.6 %	10.0 kW	1,705 kWh	\$ 0.80	\$ 1,36	
17	Our Lady of Lourdes CS	4.1 Years	0 W	159.3 %	10.0 kW	1,703 kWh	\$ 0.80	\$ 1,36	
18	Ecole Elementaire Harmonie	3.5 Years	7,650 W	157.7 %	10.0 kW	1,685 kWh	\$ 0.80	\$ 1,38	
19	Nepean HS	4.1 Years	5,448 W	149.7 %	10.0 kW	1,600 kWh	\$ 0.80	\$ 1.28	
20	Forest Glen Public School	3.6 Years	4,806 W		10.0 kW	1,586 kWh	\$ 0.80	\$ 1.27	
21	Ecole St Denis	3.3 Years	4,750 W	5	10.0 kW	1,535 kWh	\$ 0.80	\$ 1.23	
22	Blair Road Public School	3.7 Years	1,638 W	16.	10.0 kW	1,482 kWh	\$ 0.80	\$ 1,18	
23	Forest Heights Collegiste	3.6 Years	0 W	136.8 %	10.0 kW	1,462 kWh	\$ 0.80	\$ 1,17	
24	Ecole publique de la Decouvert	5.2 Years	3,600 W	130.8 %	10.0 kW	1,398 kWh	\$ 0.80	\$ 1.11	
25	D. Roy Kennedy PS	4.1 Years	7,865 W	120.8 %	10.0 kW	1,290 kWh	\$ 0.80	\$ 1.03	
26	Jersey Public School	5.2 Years	8,968 W	115.6 %	10.0 kW	1,235 kWh	\$ 0.80	\$ 96	
27	Cardinal Carter C.H.S.	3.9 Years	714 W	113.6 %	10.0 kW	1,214 kWh	\$ 0.80	\$ 97	
28	Hillcrest Community School	4.4 Years	0 W	111.4 %	10.0 kW	1,190 kWh	\$ 0.80	\$ 96	
29	College Notre Dame Solar Array	3.3 Years	4,206 W	108.8 %	10.0 kW	1,162 kWh	\$ 0.80	\$ 93	
30	Father Michael McGivney	4.7 Years	5,968 W	83.5 %	10.0 kW	893 kWh	\$ 0.80	\$ 71	
31	Jean Vanier Catholic High Scho	4.1 Years	3,000 W	81.0 %	6.75 kW	585 kWh	\$ 0.80	\$ 46	
32	Branksome Hall	5.7 Years	2,436 W	118.4 %	3.00 kW	379 kWh	\$ 0.80	\$ 30	
33	Kipling Collegiate Institute	3.4 Years	0 W	9.3 %	40.0 kW	395 kWh	\$ 0.71	\$ 28	
34	Our Lady's School	5.1 Years	4 W	108.8 %	4.00 kW	587 kWh	\$ 0.44	\$ 25	
35	CBE Balmoral	2.0 Years	7,578 W	140.0 %	10.0 kW	1,496 kWh	\$ 0.12	\$ 18	
36	CBE Bishop Pinkham	2.0 Years	7,499 W	128.0 %	10.0 kW	1,368 kWh	\$ 0.12	\$ 16	
37	CBE Fairview	1.4 Years	0 W	127.0 %	8.40 kW	1,140 kWh	\$ 0.12	\$ 13	
38	CBE Sir John A McDonald	1.8 Years	7,891 W	134.9 %	10.0 kW	1,441 kWh	\$ 0.08	\$ 11	

- 1. **REPORT** Create, edit or delete a group by clicking the Edit button or arrow shortcut.
- 2. **CONFIGURE** Select the Group, Profile and Period for the report. Click on a column header to sort by that parameter. For example, highest to lowest revenue by site for the selected time period.
- 3. **FORMAT** Select PDF to receive a formatted PDF report like that shown or CSV to receive a text file that can be imported into a spreadsheet for further analysis.
- 4. **DOWNLOAD** The PDF or data file will be downloaded to your computer and stored in a location determined by your browser settings.
- 5. OPEN REPORT Print the PDF or open the CSV file with a spreadsheet program. Create and save multiple reports for different purposes by site or the whole portfolio.



SMART ENTERPRISE - SETUP

SETUP Make changes to your Enterprise account by clicking the SETUP link under the banner. The username is fixed but the administrator password can be changed. A separate Visitor login which does not allow access to site SETUP requires a different password which can be enabled as well as a direct link to the Enterprise account with no login.

Login at www.cachelan.com	n with	Enterprise SETUP settings	
Enterprise username & pas	ssword	SolarVus SMART - ENTERPRISE System Management And Singering Text	Cachelan SolarVu
Cachela	n	Setup	2 Aug 7, 2015, Fri 1:54 PM (GMT -5:00)
SMART GRID EI	VERGY	Login	
	Home	Last Login Time: Aug 7, 2015, Fri 11:35 AM	
		Number of Logins:	
Login		Current Password:	
	Accessing SolarVu®	New Password: (Use 4 to 18 characters, no spaces)	
Password	Most public SolarVu® er	Confirm New Password:	
Format your password?	name in the format mysit gateway label inside th	Cancel Save	
ronger real password.	configuration paperwork	Visitor Login	
		Visitor Password:	ave Password
		Visitor Link: 5 Enable	
		Bookmark This Link	
		Password Reminder	
		Reminder Email: 6	Save Email
		Account Setting	
		Banner Name: Cachelan SolarVu	
		Time Zone(GMT): -5.0	
		Cancel Save	8

- 1. **ENTERPRISE LOG IN** Go to www.cachelan.com and enter your Enterprise administrator username and password provided by Cachelan.
- 2. **SETUP** Click the SETUP link under the banner to make changes to the Enterprise account. Administrator priviledges using the administrator password to access the Enterprise account are required.
- ADMINISTRATOR PASSWORD Change the default administrator password and click Save in the Login panel. The administrator password should only be given to staff that have authority to make changes to every site. Each site has its own direct SETUP login password which is different from the Enterprise password.
- 4. **VISITOR ACCESS** For read only viewing of all sites using the Enterprise account, enable a visitor password. This access hides the Setup button for each site to prevent changes. It is suitable to distribute to O&M staff. Save a different visitor password than the administrator password for logging in with the same username to deny change access.
- 5. DIRECT VISITOR LINK Check the Enable box to create a direct link to the Enterprise account that does not require a password to view the Enterprise account for faster access. Using this method only viewing is allowed, no site changes can be made. Distribute the Visitor Link which can be book-marked in a browser for single click access to the Enterprise account.
- 6. **FORGOT PASSWORD** If you can't remember your password when entering the username at the login screen, click the Forgot Your Password? link and the password will be sent to the Reminder Email that you enter here.
- 7. BANNER NAME & TIME ZONE Enter the account name that you wish to appear in the banner by entering it in the Banner Name box. For the correct time display enter your timezone which is GMT -5 for EST in North America.
- 8. SAVE Click the Save button to save all changes which come into effect immediately.