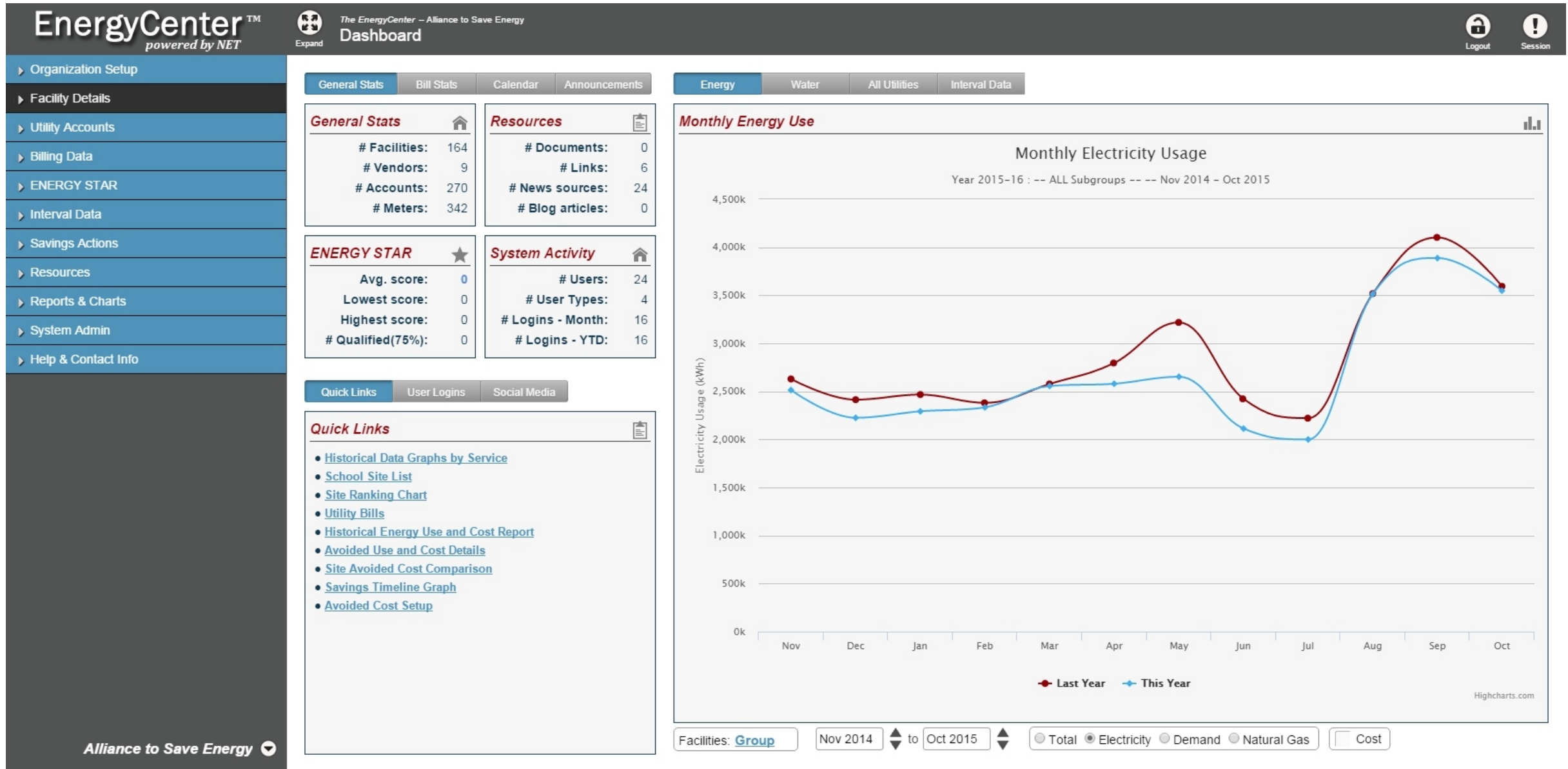


The **EnergyCenter™** from New Energy Technology is a web-based tool that supports all of your energy accounting and utility management needs.

- Organize and track your energy and utility bills.
- Import data directly from your utility company.
- View, print or export a wide variety of reports and graphs.
- Document your energy efficiency and conservation activities.
- View energy data in 15-minute intervals (IDR graphs).
- IPMVP-compliant Avoided Cost functionality.
- Tightly integrated with ENERGY STAR Portfolio Manager.

For more information, contact John Cook at 415-488-4652 or umsjohn@comcast.net
OR Ken Egel at 707-778-9930 or umsken@comcast.net

Energy Center 4 Main Menu/Dashboard screen: Energy Center offers clear menu selections and a dashboard that can display general statistics, announcements to users, quick link to favorite reports, and a variety of "big picture" graphs.



Energy Center 4 example data entry screen: you can enter utility bill details in as much or as little detail as you want, using either the line items provided by the program or those created by the user.

The EnergyCenter – Alliance to Save Energy
Utility Bills

The EnergyCenter – Alliance to Save Energy
3012142507 (SoCal Edison)

+ Add Bill

Facility: Arroyo High School

Vendor: SoCal Edison

Account: 3012142507

Search text.. Count: (50)

- 3012142507 SoCal Edison (Arroyo High School) 07/21/2015
- 3012142507 SoCal Edison (Arroyo High School) 06/19/2015
- 3012142507 SoCal Edison (Arroyo High School) 05/20/2015
- 3012142507 SoCal Edison (Arroyo High School) 04/21/2015
- 3012142507 SoCal Edison (Arroyo High School) 03/20/2015
- 3012142507 SoCal Edison (Arroyo High School) 02/19/2015
- 3012142507 SoCal Edison (Arroyo High School) 01/20/2015
- 3012142507 SoCal Edison (Arroyo High School) 12/18/2014
- 3012142507 SoCal Edison (Arroyo High School) 11/18/2014
- 3012142507 SoCal Edison (Arroyo High School) 10/20/2014
- 3012142507 SoCal Edison (Arroyo High School) 09/19/2014

Account: **3012142507**

Facility: Arroyo High School

Vendor: SoCal Edison

** End date: 07/21/2015

** Bill amount: \$3,661.36

Estimated bill? Data entry date: 08/17/2015

Comments:

Account Review

Bill History

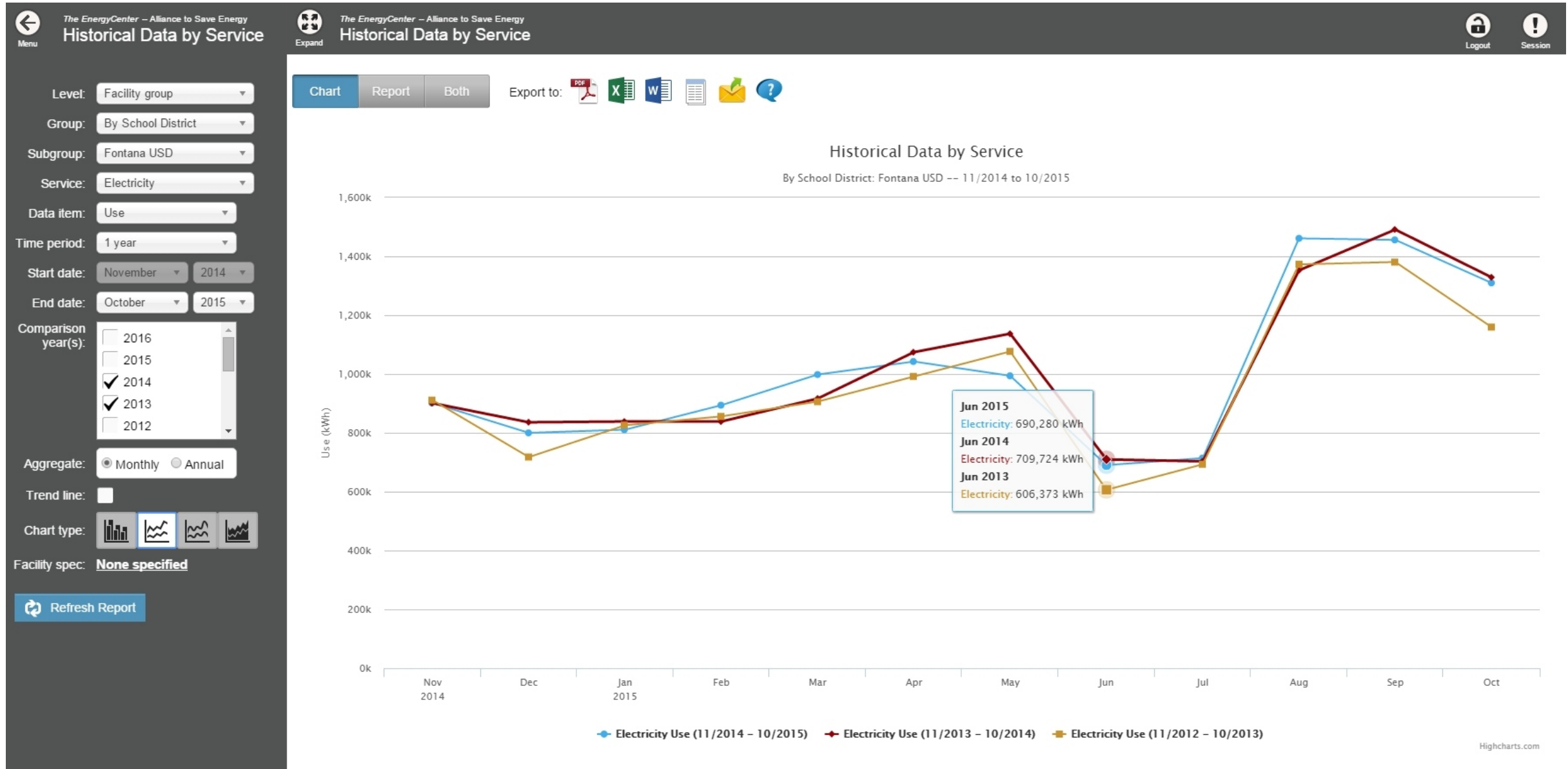
Balance: \$0.00

Line Item Type	Meter	Start date	End date	Usage	Cost	
✗ ELEC - Electricity	V349N-002513	06/19/2015	07/21/2015	0 kWh	\$3,661.36	↓
✗ ELEC - On peak kWh	V349N-002513	06/19/2015	07/21/2015	22,464 kWh	\$0.00	↑ ↓
✗ ELEC - Mid peak kWh	V349N-002513	06/19/2015	07/21/2015	29,377 kWh	\$0.00	↑ ↓
✗ ELEC - Off peak kWh	V349N-002513	06/19/2015	07/21/2015	40,274 kWh	\$0.00	↑ ↓
✗ ELEC - Billed demand	V349N-002513	06/19/2015	07/21/2015	329 kW	\$0.00	↑ ↓
✗ ELEC - Summer On Peak De...	V349N-002513	06/19/2015	07/21/2015	329 kW	\$0.00	↑ ↓
✗ ELEC - Summer Mid Peak De...	V349N-002513	06/19/2015	07/21/2015	298 kW	\$0.00	↑ ↓
✗ ELEC - Summer Off Peak De...	V349N-002513	06/19/2015	07/21/2015	271 kW	\$0.00	↑ ↓
✗ ELEC - Winter On Peak Dem...	V349N-002513	06/19/2015	07/21/2015	0 kW	\$0.00	↑ ↓
✗ ELEC - Winter Mid Peak Dem...	V349N-002513	06/19/2015	07/21/2015	0 kW	\$0.00	↑ ↓
✗ ELEC - Winter Off Peak Dem...	V349N-002513	06/19/2015	07/21/2015	0 kW	\$0.00	↑
** Select a line item type **	Select an Option	06/19/2015	07/21/2015			

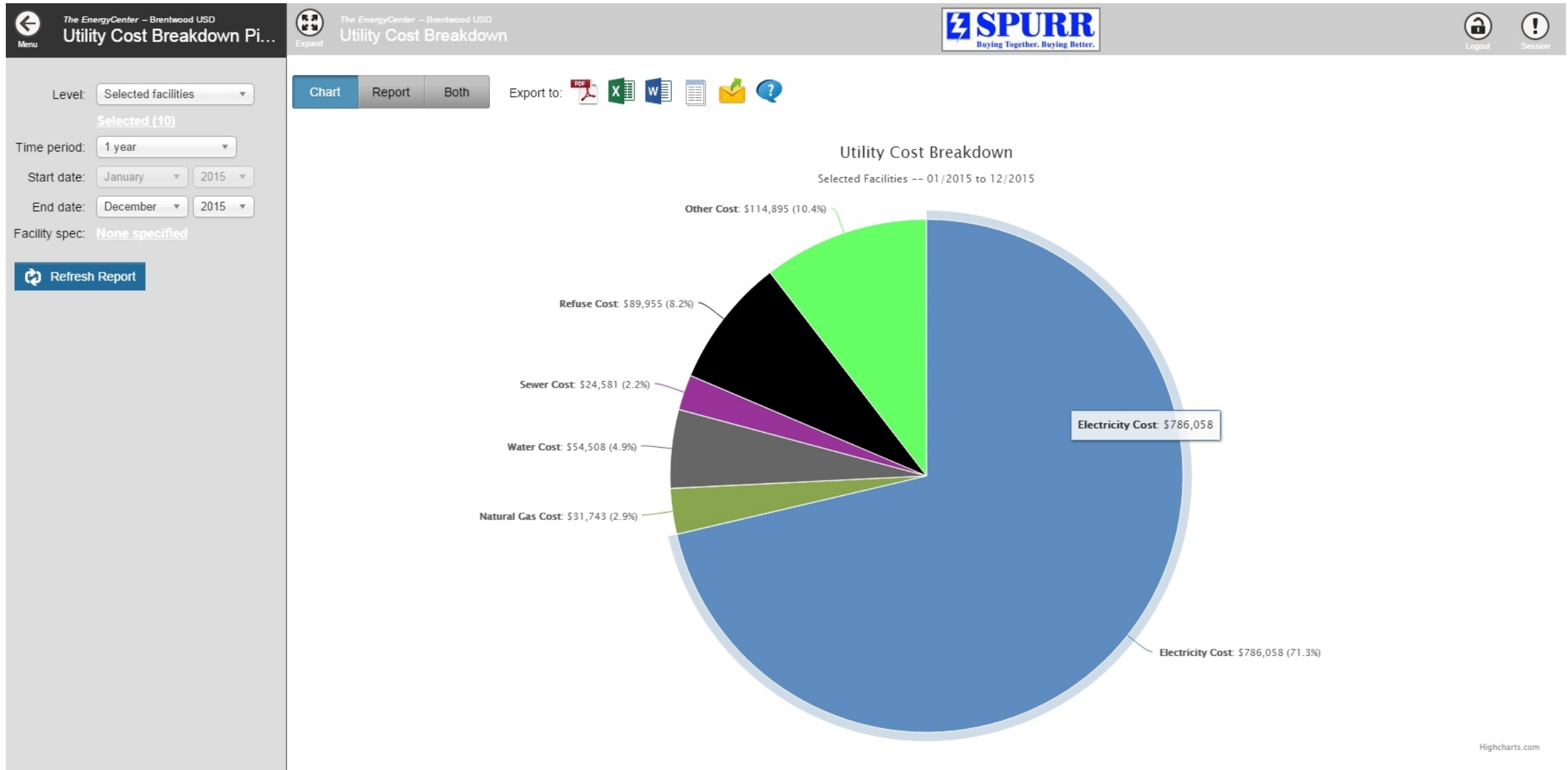
**** Required field**

✓ Save
⊘ Cancel
✗ Delete

Energy Center 4 Multi-Year Electric Usage Graph: Energy Center offers a great variety of both graphical and tabular reports, including Year-over-Year comparison graphs. Reports can be run for any time period for any site or group of sites. All reports and graphs can be exported to PDF, Excel, Word, etc.



Energy Center 4 Utility Cost Breakdown graph: Energy Center offers a great variety of both graphical and tabular reports. Reports can be run for any time period for any site or group of sites. All reports and graphs can be exported to PDF, Excel, Word, etc.



Energy Center 4 Water Use Change report: Energy Center offers a great variety of both graphical and tabular reports, and includes reports specifically focused on water use and cost. Reports can be run for any time period for any site or group of sites. All reports and graphs can be exported to PDF, Excel, Word, etc.

The EnergyCenter – Brentwood USD
Facility Water Use Change

Menu

The EnergyCenter – Brentwood USD
Facility Water Use Change

Expand

Logout

Level: Selected facilities

Selected (10)

Time period: 1 year

Start date: January 2015

End date: December 2015

Comparison year: Previous Year Facility Comparison Year Selected Year

Flag missing data:

Facility spec: None specified

[Refresh Report](#)

Export to:

Display 20 rows

Facility Water Use Change

Selected Facilities -- 01/2015 to 12/2015 vs. 01/2014 to 12/2014

Search:

Facility	01/2015 to 12/2015			01/2014 to 12/2014			% Chg
	Current Water (Gallons)	Current Irrigation (Gallons)	Current Total Use (Gallons)	Comparison Water (Gallons)	Comparison Irrigation (Gallons)	Comparison Total Use (Gallons)	
Garin Elementary	452,303	0	452,303	406,853	0	406,853	+11.2%
Bristow Middle School	328,065	0	328,065	362,818	0	362,818	-9.6%
Mary Casey Black Elementary	338,364	6,634,121	6,972,485	444,105	7,644,535	8,088,641	-13.8%
Adams Middle School	710,310	9,313,000	10,023,310	640,284	11,722,188	12,362,471	-18.9%
Marsh Creek Elementary	595,788	5,048,000	5,643,788	462,993	7,217,375	7,680,369	-26.5%
Loma Vista Elementary	472,452	1,836,000	2,308,452	395,078	3,170,588	3,565,666	-35.3%
Krey Elementary	458,793	4,784,414	5,243,207	468,770	7,684,586	8,153,356	-35.7%
Ron Nunn Elementary	509,290	3,478,936	3,988,226	590,769	6,476,653	7,067,421	-43.6%
Pioneer Elementary	562,733	4,026,000	4,588,733	1,501,078	8,579,706	10,080,784	-54.5%
Brentwood Elementary	400,173	0	400,173	968,890	0	968,890	-58.7%
Grand Total	4,828,270	35,120,471	39,948,741	6,241,637	52,495,631	58,737,269	-32.0%

Showing 1 to 11 of 11 entries

Energy Center 4 Facility Avoided Cost Setup: Energy Center offers a sophisticated Avoided Cost Calculation module that includes Multi-Variable regression and is IPMVP-compliant.

The EnergyCenter – Alliance to Save Energy
Avoided Cost Setup

Ted J Porter Elementary

+ Add Service Setup

Search text.. Count: (1)

Electricity
9/2015 (HDD, CDD, School Days) $R^2 = 97.7\%$

The EnergyCenter – Alliance to Save Energy
Electricity

Base Year Analysis Monthly Adjustments

Service: Electricity

Base year ends: September 2015

Dependent variable: Usage/SqFt

** Unit cost method: Current Month (adjusted)

Unit cost (\$): N/A per kWh

Correlation (R^2): 97.7%

Y-intercept: 0.0606

NOTE: the current regression results are valid.

Independent variables

Auto-select best variable(s) and balance point(s).

Use HDD:

HDD balance point: Best Fit 69

HDD coeffic.(slope): 0.000773 t-Stat: 3.481408

Use CDD:

CDD balance point: Best Fit 51

CDD coeffic.(slope): 0.000862 t-Stat: 7.865151

Use production metric:

Production metric: School Days

Metric coeffic.(slope): 0.023071 t-Stat: 16.186372

TBD = To Be Determined (by the regression). NOTE: results are considered valid if the correlation (R2) >= 70%, y-intercept > 0, slope(s) > 0, and t-stat(s) >= 2

Execute Regression

Calculate predicted data ending: September 2016

** Required field

Save Cancel Delete

Energy Center 4 Facility Avoided Cost Ranking Report: Energy Center offers a sophisticated Avoided Cost Calculation module that includes Multi-Variable regression and is IPMVP-compliant. Reports can be run for any time period for any site or group of sites. All reports and graphs can be exported to PDF, Excel, Word, etc.

Export to:      

Facility Avoided Cost Ranking

By School District: El Monte City Schools – 10/2014 to 06/2015

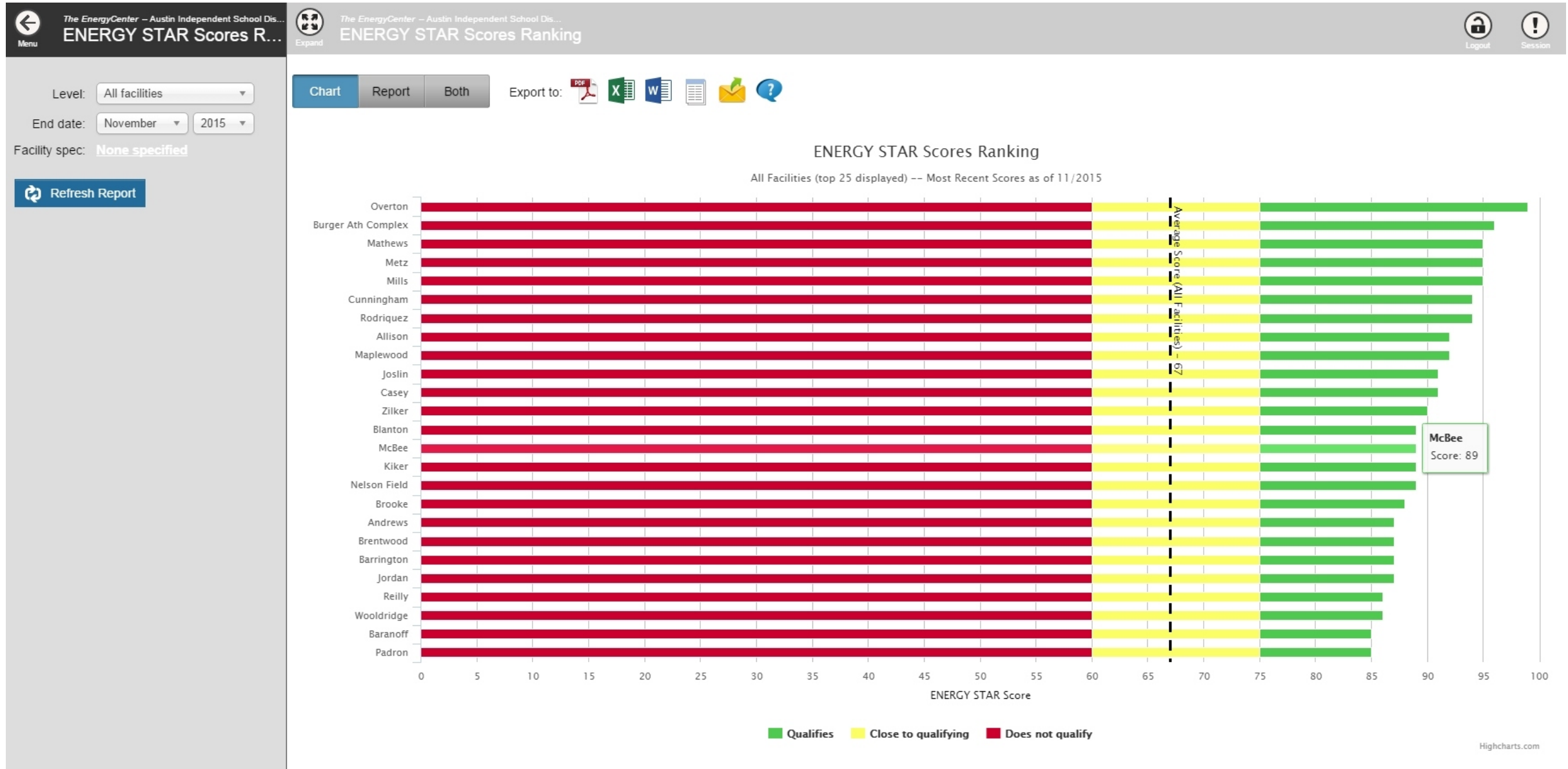
Display rows

Search:

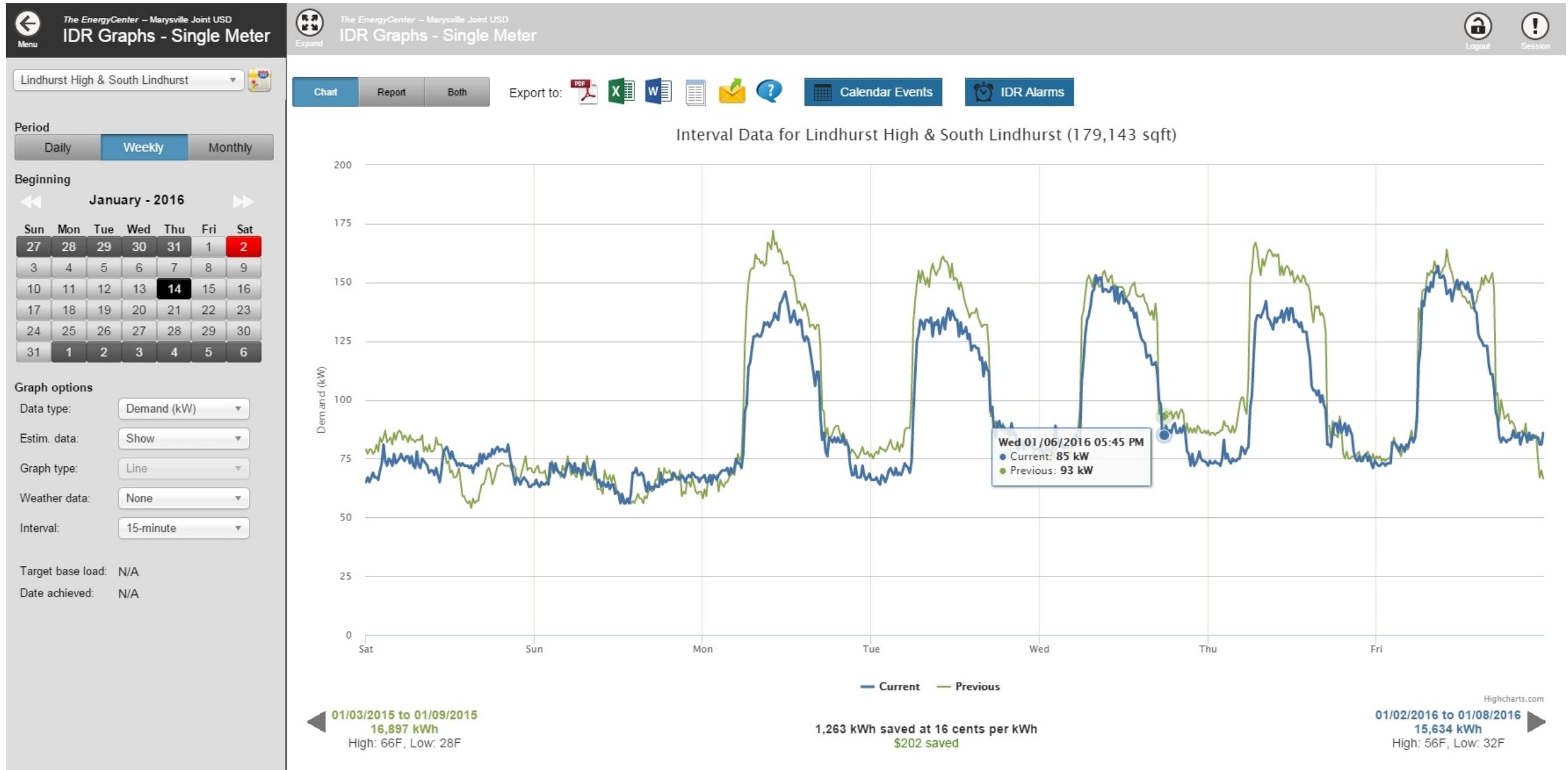
Facility	Service	Units	Base Year Usage	Base Year Cost	Current Usage	Calculated Current Cost	Predicted Usage	Usage Savings	Usage Adjustment	Avoided Usage	% Usage Change	Predicted Cost	Cost Savings	Cost Adjustment	Avoided Cost	% Cost Change
Cherrylee Elementary	Electricity	kWh	266,086	\$50,098	255,984	\$55,026	273,860	17,876	8,000	25,876	-9.4	\$60,030	\$5,004	\$0	\$5,004	-8.3
Cleminson Elementary	Electricity	kWh	208,890	\$35,547	214,775	\$39,837	216,987	2,212	0	2,212	-1.0	\$39,955	\$118	\$0	\$118	-0.3
Columbia Elementary	Electricity	kWh	730,495	\$130,572	696,493	\$140,932	757,587	61,094	5,984	67,078	-8.9	\$154,300	\$13,368	\$0	\$13,368	-8.7
Cortada Elementary	Electricity	kWh	295,212	\$56,081	256,827	\$54,952	301,317	44,491	8,946	53,437	-17.7	\$65,789	\$10,837	\$0	\$10,837	-16.5
Durfee/Thompson	Electricity	kWh	553,340	\$98,951	546,753	\$108,535	569,557	22,804	2,600	25,404	-4.5	\$112,513	\$3,978	\$0	\$3,978	-3.5
Gidley Elementary	Electricity	kWh	355,740	\$69,136	343,461	\$69,418	368,983	25,522	32,339	57,861	-15.7	\$80,988	\$11,570	\$0	\$11,570	-14.3
Legore Elementary	Electricity	kWh	317,157	\$51,784	307,098	\$54,092	321,710	14,612	0	14,612	-4.5	\$56,587	\$2,495	\$0	\$2,495	-4.4
Mulhall Elementary	Electricity	kWh	96,990	\$17,911	111,040	\$22,060	102,593	-8,447	17,664	9,217	-9.0	\$23,621	\$1,561	\$0	\$1,561	-6.6
New Lex Elementary	Electricity	kWh	276,878	\$51,906	269,202	\$52,626	288,138	18,937	99	19,036	-6.6	\$55,987	\$3,360	\$0	\$3,360	-6.0
Potrero Elementary	Electricity	kWh	485,483	\$91,638	485,649	\$99,230	505,226	19,577	2,448	22,025	-4.4	\$103,472	\$4,243	\$0	\$4,243	-4.1
Rio Hondo Elementary	Electricity	kWh	477,190	\$89,139	473,571	\$95,031	496,623	23,051	24,587	47,638	-9.6	\$103,951	\$8,920	\$0	\$8,920	-8.6
Rio Vista Elementary (El Monte)	Electricity	kWh	422,119	\$75,023	402,880	\$80,688	435,085	32,205	1,046	33,251	-7.6	\$86,900	\$6,212	\$0	\$6,212	-7.1
Shirpser Elementary	Electricity	kWh	401,137	\$68,801	357,401	\$68,899	407,964	50,563	816	51,379	-12.6	\$78,695	\$9,796	\$0	\$9,796	-12.4
Wilkerson Elementary	Electricity	kWh	369,053	\$61,385	368,259	\$64,543	379,883	11,625	19,439	31,064	-8.2	\$69,848	\$5,305	\$0	\$5,305	-7.6
Wright Elementary	Electricity	kWh	411,821	\$68,648	398,993	\$77,708	411,821	12,829	5,000	17,829	-4.3	\$80,982	\$3,275	\$0	\$3,275	-4.0
TOTALS			5,667,592	\$1,016,619	5,488,385	\$1,083,577	5,837,334	348,949	128,968	477,917	-8.2	\$1,173,617	\$90,040	\$0	\$90,040	-7.7

Showing 1 to 16 of 16 entries

Energy Center 4 Energy Star Scores Ranking Report: Energy Center offers a sophisticated Energy Star module that includes a "live" connection to Portfolio Manager and ALL building types. Reports can be run for any time period for any site or group of sites. All reports and graphs can be exported to PDF, Excel, Word, etc.



Energy Center 4 Interval Data Analysis: Energy Center offers sophisticated 15-minute interval data analysis. Reports can be run for any time period for any site or group of sites. All reports and graphs can be exported to PDF, Excel, Word, etc.



Energy Center 4 Walk Through Audit screen: You can enter the details of your facility walk through audits.

The EnergyCenter – Gresham-Barlow School District

The EnergyCenter – Gresham-Barlow School District

Menu
Walk-Throughs

+ Add Walk-Through

Count: (3)

Energy Star Site Survey- 05-26-15

Facility Walkthrough - Administration Building

High School Classroom Building

General
Subjects

+ Add Subject

Display rows
Search:

Subject Name	Description	No. of Photos	No. of Documents
Admin Area	Temp set point in VAV area is anywhere from 70 to 73F for heating and 74F for cooling. 75F in code compliance. Zone 8 heating is 76F.\n\nMeasured temperature in lower admin area is 76F.\n	0	0
Admin Area	48 ton roof Season 4 air handling unit serves 24 VAVs. (see picture on next page for zones).	0	0
Admin Area	Gas heating eventually needs to be commissioned to pre-heat the admin area during morning warm up. This has not yet been enabled.\n	0	0
Admin Area	The administration area is typically occupied 6:00 am to 4:30 pm. Code compliance area is occupied until 6:00 pm. (see picture below) Rooftop gas pack GP-13 serves this area separately. Conference rooms are occupied 7:00 am to 3:30 pm (business hours).\n	0	0
Admin Area	Warm-up period is currently bringing in outside air. Will verify lock-out of OA with contractor. Economizer is customizable, default is 65F. Ideal is that it just needs to be less than the return air temperature.\n	0	0
Admin Area	Baseboard heating is on BAS relay. Can also be turned on manually (set point adjustment located on heater). Perimeter Radiant heating purpose is to warm up window areas.\n	0	0
Controls	Two controllers. One controller (serves AC) is complex, and MacDonald Miller does not service right now. Proposal for a contractor to service, which is an opportunity to address some energy issues.	0	0
Controls	Check if CO2 sensors are calibrated.	0	0
Controls	Night set back is 62F.	0	0
Controls	Discharge air 70F, return air 73F.	0	0
Controls	Updated holiday schedule (1/13/13). New Johnson Control doesn't seem to have a early holiday schedule, so need to remember to do this week of. Dave Schaut got training on how to do this now, so we are good to go for the rest of 2013.	0	0
Controls	Is warm-up starting at 3:00 am, or warming up for 3:00 am?	0	0
Fitness Center	24/7 access, and heated 24/7. (see picture below) Room has a thermostat that is manually operated. Can this be scheduled remotely? Does it get 24/7 use?\n	0	0
Fleet Shop	4 roof top make up air units (6,000 CFM each - input of 400,000 BTUH, output of 320,000 BTUH)\n	1	0
Fleet Shop	10 unit heaters - input 120,000 BTUH, output 99,600 BTUH. (see picture of unit heaters below)\n	0	0
Fleet Shop	There are two air compressors (generating heat) in an enclosed space adjacent to the shop but no heat recovery.\n	0	0
Fleet Shop	4 hose reels for exhausting air from vehicles, about 1100 CFM each. (see picture of fan below) These are constant volume.\n	0	0
Fleet Shop	Garage door open during lunch break, heat on. Unknown how frequently this occurs. (see picture below) Update: on 2/15/13, door was open at 11:30 am.\n	0	0

** Required field

Save
Cancel
Delete

Export to: