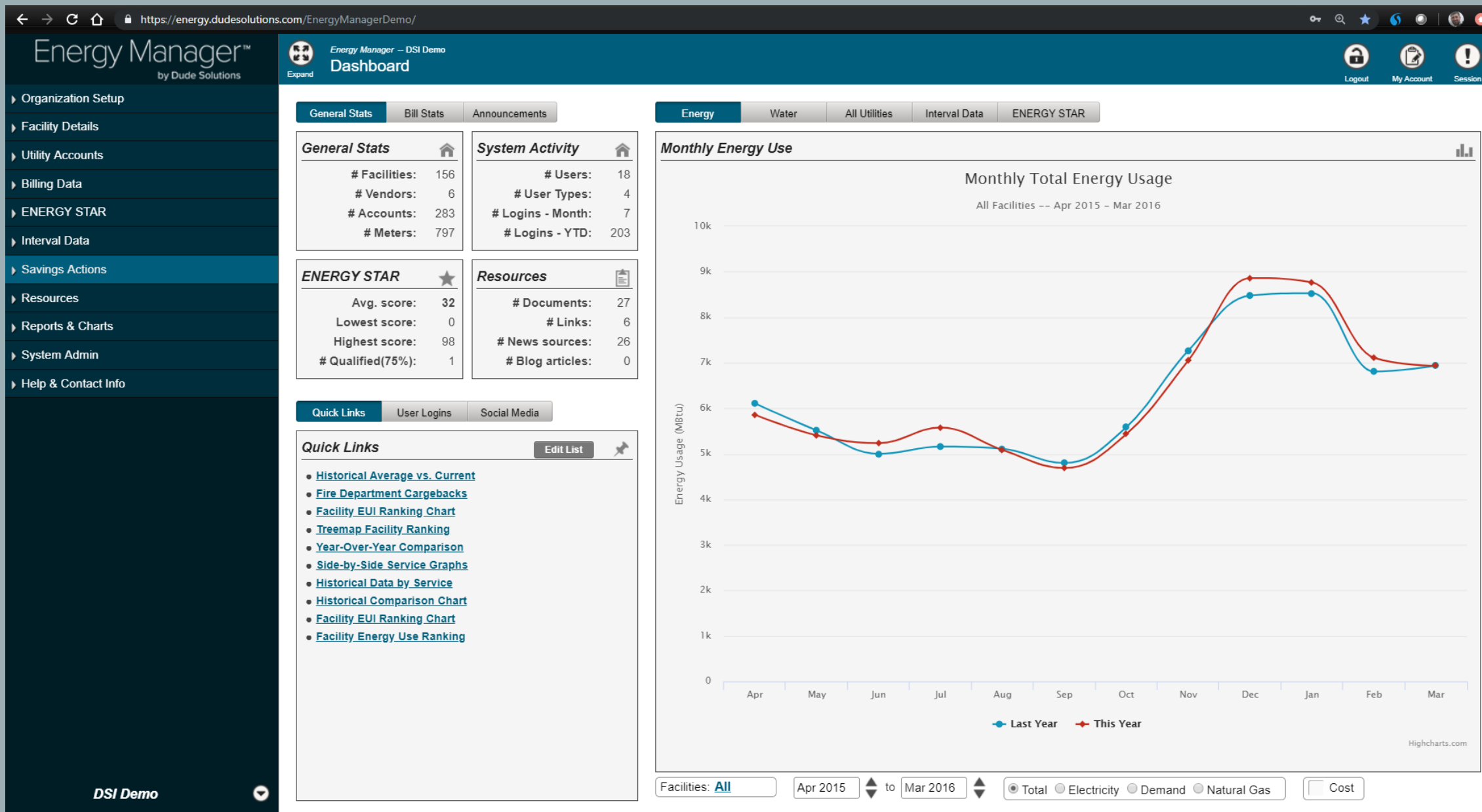
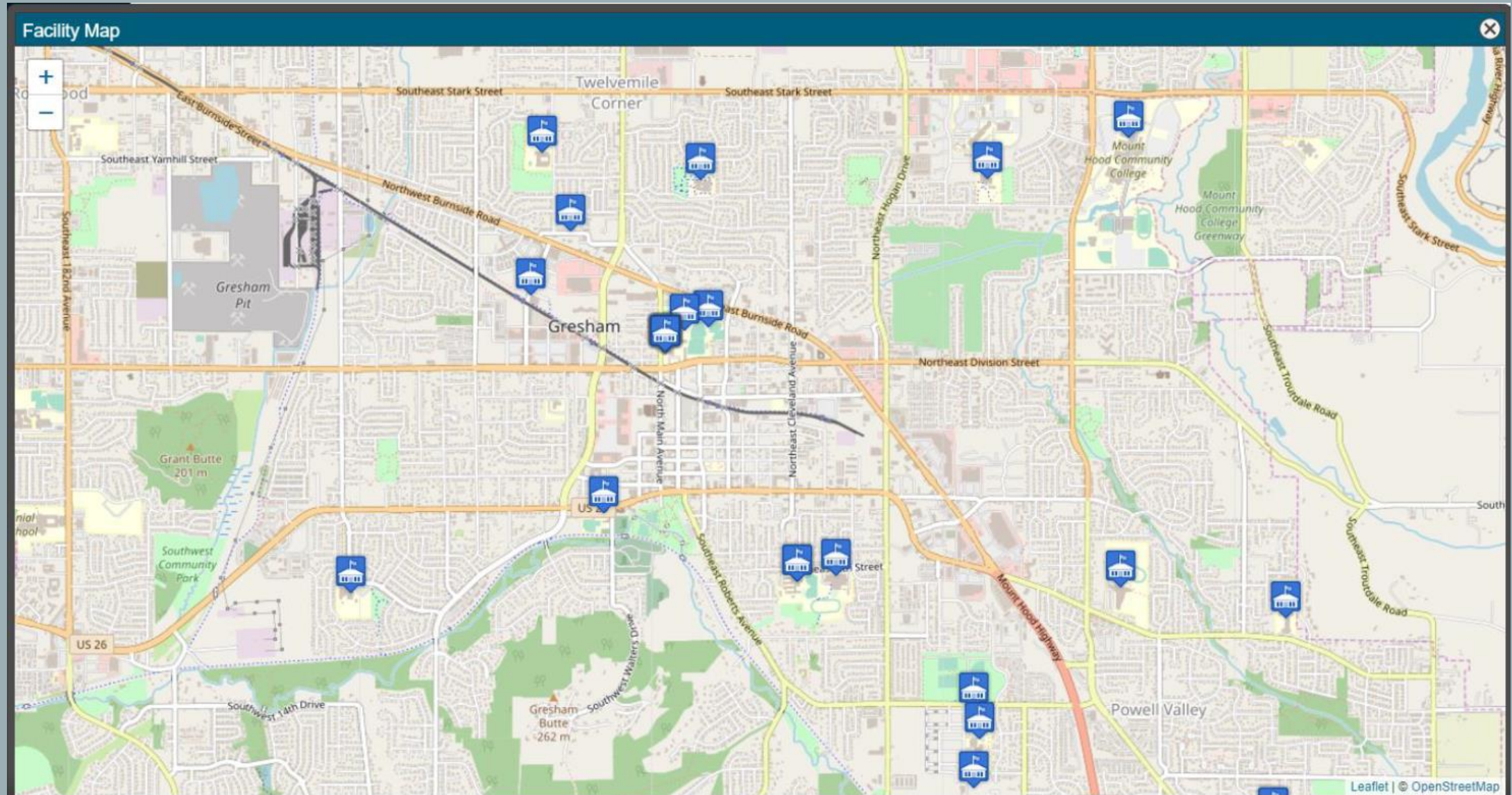


DASHBOARD



FACILITY > ACCOUNT > METER MAP



TRACK MULTIPLE SERVICES

Level: **** All Facilities ****

Per facility: ☐ (generate a separate report for each facility matching the criteria)

Services:

- ☒ Electricity
- ☒ Natural Gas
- ☒ Chilled Water
- ☒ Water
- ☒ Irrigation

☐ Hide graphs for services with no data in selected time period

Time period: **1 year**





Start date: **May** **2016**

End date: **April** **2017**

Proration by: **Line Item Dates**

Chart colors: **Customize colors**

3D display: ☐

Chart type:    

Data type: ☒ Energy Use ☐ Energy Cost

Facility spec: **None specified**


 Refresh Report

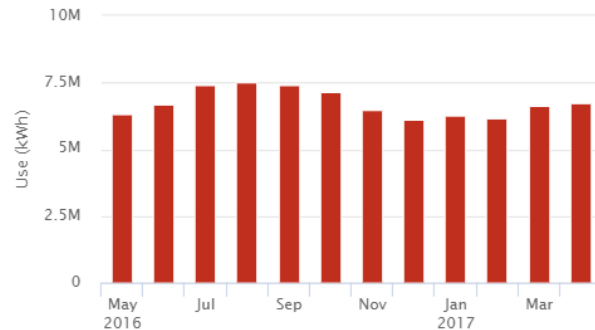
Chart Report Both

Export to:      

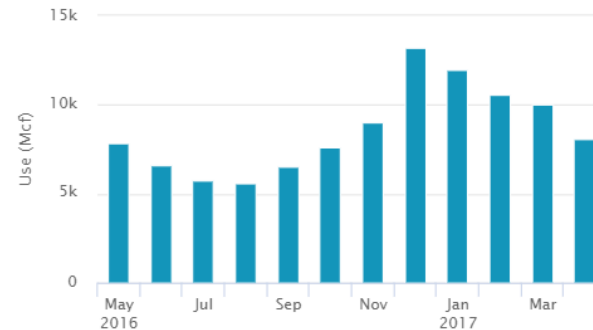
Side-by-Side Service Graphs

All Facilities -- 05/2016 to 04/2017

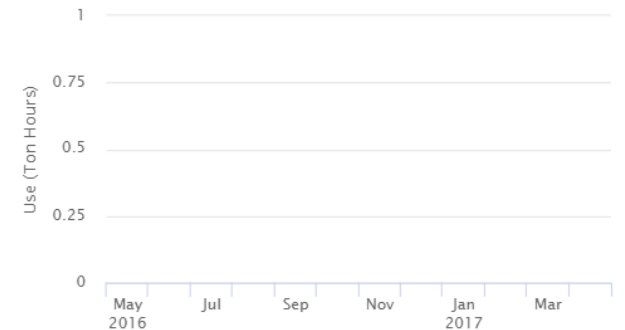
Electricity Use



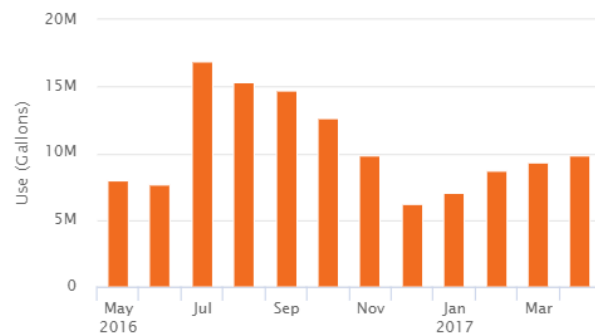
Natural Gas Use



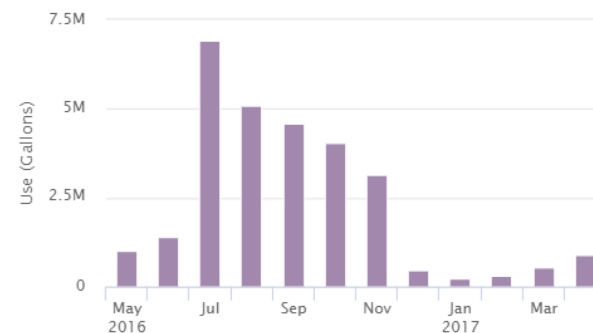
Chilled Water Use



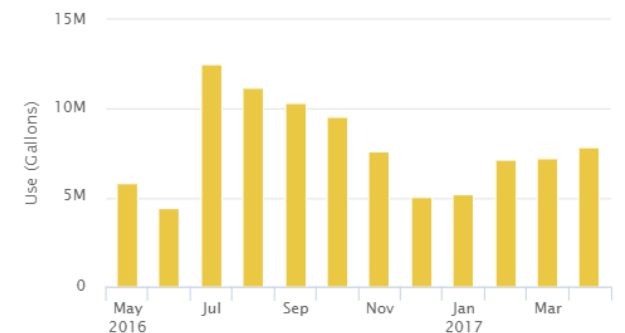
Water Use



Irrigation Use



Wastewater Use



Refuse Use

TRACK SUB-METERS AGAINST MASTER

Menu

Energy Manager – Sam Houston State University

Accounts & Meters

+ Add Account

Facility:

** ALL Facilities **

Vendor:

** ALL Vendors **

141046342

X

Count
(446)

Energy
141046342
Electricity

Energy
141046342-0197-S
Electricity

Energy
141046342-02&03
Electricity

Energy
141046342-0278-1
Electricity

Energy
141046342-0282-1
Electricity

Energy
141046342-0283-1
Electricity

Energy
141046342-10
Electricity

Energy
141046342-102
Electricity

Energy
141046342-102wcp
Electricity

Energy
141046342-103-1
Electricity

Energy
141046342-103-2
Electricity

Energy
141046342-103wcp
Electricity

Energy
141046342-104

Expand

Energy Manager – Sam Houston State University

141046342

Logout

My Account

General

Address

Memos

Meters

Allocations

Funding Sources

Allocation type(s):

Master Account

Subsidiary Accounts

+ Add Subsidiary

Search:


Facility	Subsidiary Account	Service	Allocation
ACADEMIC BLDG III	141046342-8	Electricity	Meter Readings
ACADEMIC BLDG IV	141046342-10	Electricity	Meter Readings
ACADEMIC BUILDING I	141046342-39	Electricity	Meter Readings
ART COMPLEX (NEW)	141046342-380	Electricity	Meter Readings
AUSTIN & PEABODY	141046342-02&03	Electricity	Meter Readings
BALDWIN-CREAGER HOUSE	141046342-130,131	Electricity	Meter Readings
BASEBALL SOFTBALL PRACTICE FACILITY	141046342-289	Electricity	Meter Readings
BEARKAT VILLAGE A APTS A101-A306	141046342-273	Electricity	Meter Readings
BEARKAT VILLAGE C APTS C101-C306	141046342-275	Electricity	Meter Readings
BEARKAT VILLAGE D APTS D101-D312	141046342-276	Electricity	Meter Readings
BEARKAT VILLAGE F APTS F101-F312	141046342-278	Electricity	Meter Readings
BEARKAT VILLAGE I APTS I101-I306	141046342-281	Electricity	Meter Readings
BEARKAT VILLAGE J APTS J101-J306	141046342-282	Electricity	Meter Readings
BEARKAT VILLAGE K APTS K101-K308	141046342-283	Electricity	Meter Readings
BELVIN HALL	141046342-103-1	Electricity	Meter Readings
BERNARD G JOHNSON COLISEUM	141046342-48	Electricity	Meter Readings
BOBBY K. MARKS ADMINISTRATION BUILD	141046342-5	Electricity	Meter Readings
BUCHANAN HALL	141046342-103-2	Electricity	Meter Readings
CHEMISTRY AND FORENSIC SCIENCE	141046342-300	Electricity	Meter Readings
CJC COMPLEX	141046342-46	Electricity	Meter Readings
COLLEGE OF HUMANITIES & SOCIAL SCIE	141046342-314	Electricity	Meter Readings
COLLEGE OF HUMANITIES & SOCIAL SCIE FOOD POD	141046342-314-1	Electricity	Meter Readings
DAN RATHER COMMUNICATIONS BUILDING	141046342-51	Electricity	Meter Readings

** Required field

✓ Save

⊘ Cancel

VALIDATE UTILITY BILLS

 Energy Manager
Menu

Bill Validation

Level: ** All Facilities **

Vendor: ** All Vendors **

Service: ** All Services **

Account: ** All Accounts **

Batch ID: ** None **

Time period: 1 year

Start date: February 2019

End date: January 2020

Date type: Bill Date

Method: Historical Average


Demand: ☐ (show variances for Billed and Actual demand)

Errors only: ☐

Flag errors: 25 % below expected
25 % above expected

How are errors identified?

Refresh Report







 Energy Manager
Expand

Bill Validation

Logout

My Account

Session

Export to:      

Saved Report: ** New Report **

Add ?

Bill Validation

All Facilities -- 02/2019 to 01/2020 -- Method: Historical Average

Display 15 rows

Search:

	h	Bill Date	Esti- mated?	Over- lap?	Bill Days	Average Bill Days	% Variance	Usage	Average Usage	Units	% Variance	Cost	Average Cost	% Variance
		08/18/2019			28	28		4	0	Therms	+2300%	\$19	\$11	+69.9%
		05/16/2019			31	29		837	46	kWh	+1729.5%	\$113	\$22	+412%
		08/18/2019			29	29		31	4	Therms	+780%	\$45	\$15	+196.7%
		07/08/2019			28	29		69	8	ccf	+762.5%	\$625	\$91	+590.6%
		07/20/2019			30	29		39	5	Therms	+646.9%	\$53	\$17	+220.1%
		10/19/2019			62	57		8	1	ccf	+481.8%	\$42	\$22	+86.5%
		08/04/2019			56	59		96	17	Gallons	+479.3%	\$686	\$447	+53.5%
		08/04/2019			56	59		96	17	ccf	+479.3%	\$3,639	\$3,388	
		07/21/2019			30	30		23	5	Therms	+385.5%	\$38	\$17	+125%
		10/18/2019			29	28		1,581	335	kWh	+372.1%	\$77	\$48	+60%
		11/16/2019			31	28		438	96	kWh	+356.3%	\$34	\$23	+44.3%
		08/21/2019			63	59		48	11	Gallons	+354.1%	\$287	\$130	+121.3%
		09/17/2019			30	30		4,602	1,047	kWh	+339.5%	\$190	\$123	+53.9%
		09/17/2019			30	29		2,025	463	kWh	+337.5%	\$93	\$62	+51.2%
		04/15/2019			29	28		21	5	kWh	+330.8%	\$25	\$18	+40.3%

Showing 1 to 15 of 1,332 entries

First

Previous

1

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Next

Last

MEASURE PROJECT SAVINGS




Add Project

Facility:

** All facilities **

Search text..



Count: (8)

BSC Weatherization

City Hall Heat Recovery Chiller

City Hall Waterside Economizer

Crossroads Solar Array

Fire Station HVAC Rooftop Unit Replacements

LED Lighting upgrade

Pneumatic Upgrade to DDC

Window Replacement Test

Project Description

Measures

Docs & Photos

** Project name:

LED Lighting upgrade

** Description:

Installation of (86) 270 Watt modules – 23.62 kW, (3) Itek Theia 4400 inverters and (3) Itek Theia 2900 inverters.

Project mgr:

Emma Johnson

Master project:


ESCo contract with DES

Facilities:

Belle Service Center

Project start:

06/14/2014




Substantial Completion:

08/06/2014



Project end:

08/08/2014



Project status: **Completed**

Project cost:

\$151,920

Grants & rebates:

\$113,982

Net cost:

\$37,938

Annual utility savings:

\$2,070

Annual maintenance savings:

\$0

Annual other savings:

\$1,941

Total annual savings:

\$4,011

Payback - Utility savings:

18 yrs 3 mths

Payback - Total savings:

9 yrs 5 mths


ANNUAL PROJECT UTILITY SAVINGS

Service	Use Savings	Units	Cost Savings
Electricity	23,000	kWh	\$2,070
All Services			\$2,070


TOTAL PROJECT UTILITY SAVINGS (17 YEARS 1 MONTH)

Service	Use Savings	Units	Cost Savings
Electricity	393,070	kWh	\$46,896
All Services			\$46,896

** Required field

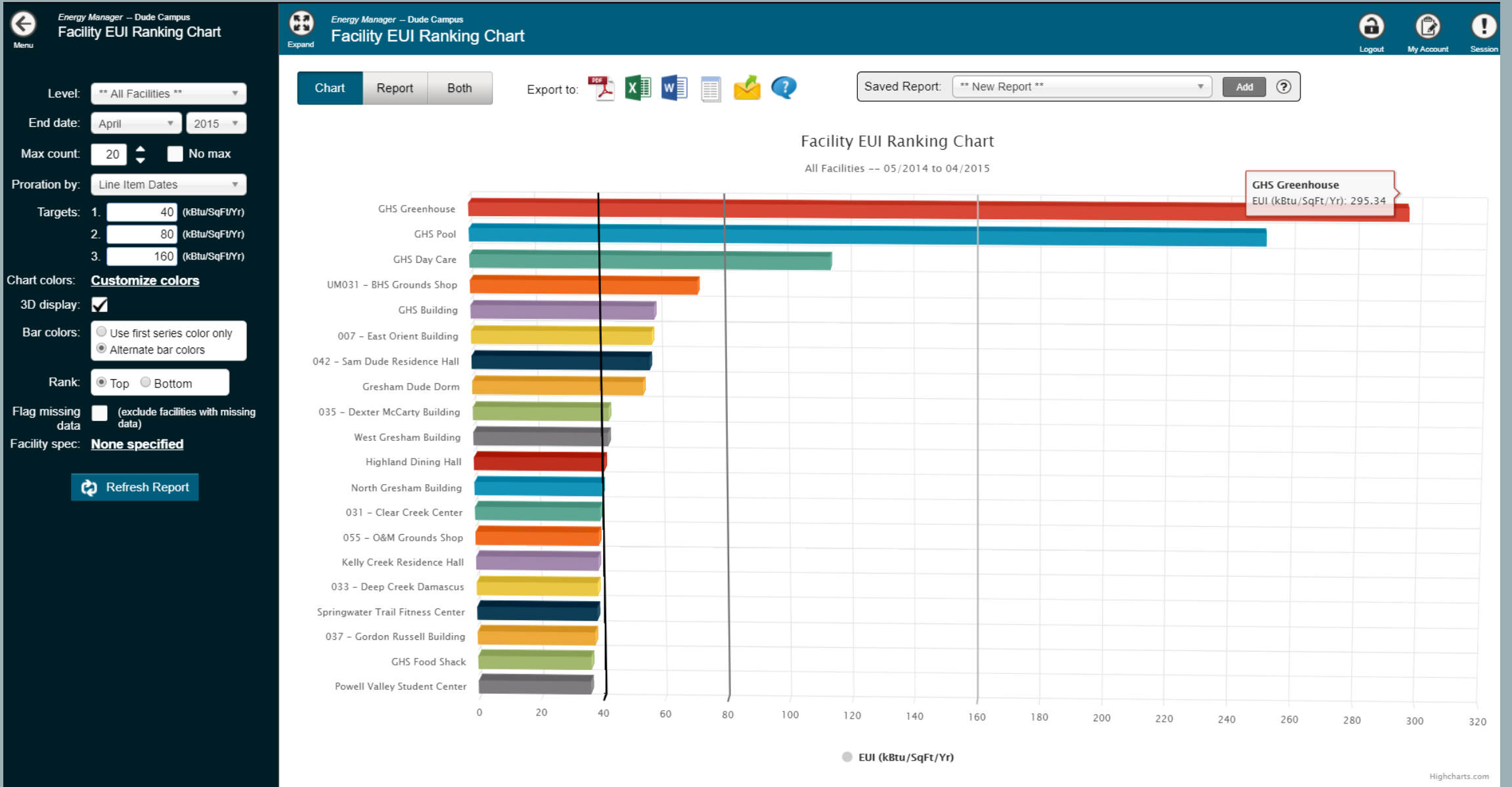
 Save

 Cancel


 Delete

Export to      

SET BENCHMARKING TARGETS



CALCULATE AVOIDED COSTS

Menu

Energy Manager

Cumulative Avoided Use & Cost Graph

Level: Single Facility

Facility: Sam Dude Residence ...

Per facility: ☐ (generate a separate report for each facility matching the criteria)

Service: Electricity

Time period: 1 year


Start date: February 2019

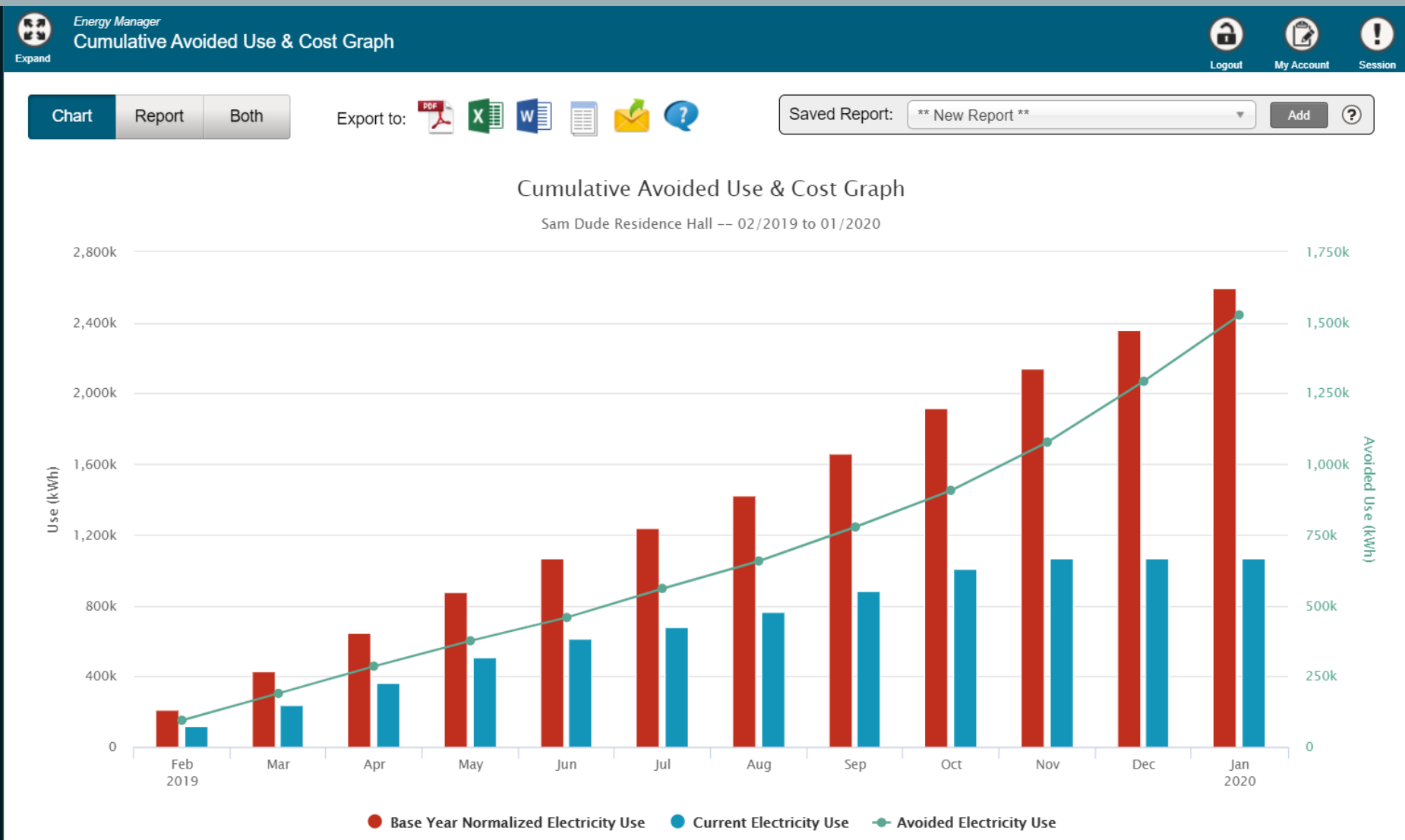
End date: January 2020

Chart colors: [Customize colors](#)

3D display: ☐

Data type: ☒ Avoided use ☐ Avoided cost

 Refresh Report



TRACK CARBON EMISSIONS



Energy Manager -- Local Government
CO2 Avoided Emissions Ranking

Level: All facilities

Service: Electricity

Time period: 1 year

Start date: February 2015

End date: January 2016

Refresh Report



Energy Manager -- Local Government
CO2 Avoided Emissions Ranking



Logout



My Account



Session

Export to:

Saved Report: ** New Report ** [Add](#) [?](#)

CO2 Avoided Emissions Ranking

All Facilities -- 02/2015 to 01/2016 -- Service: Electricity

Display 20 rows

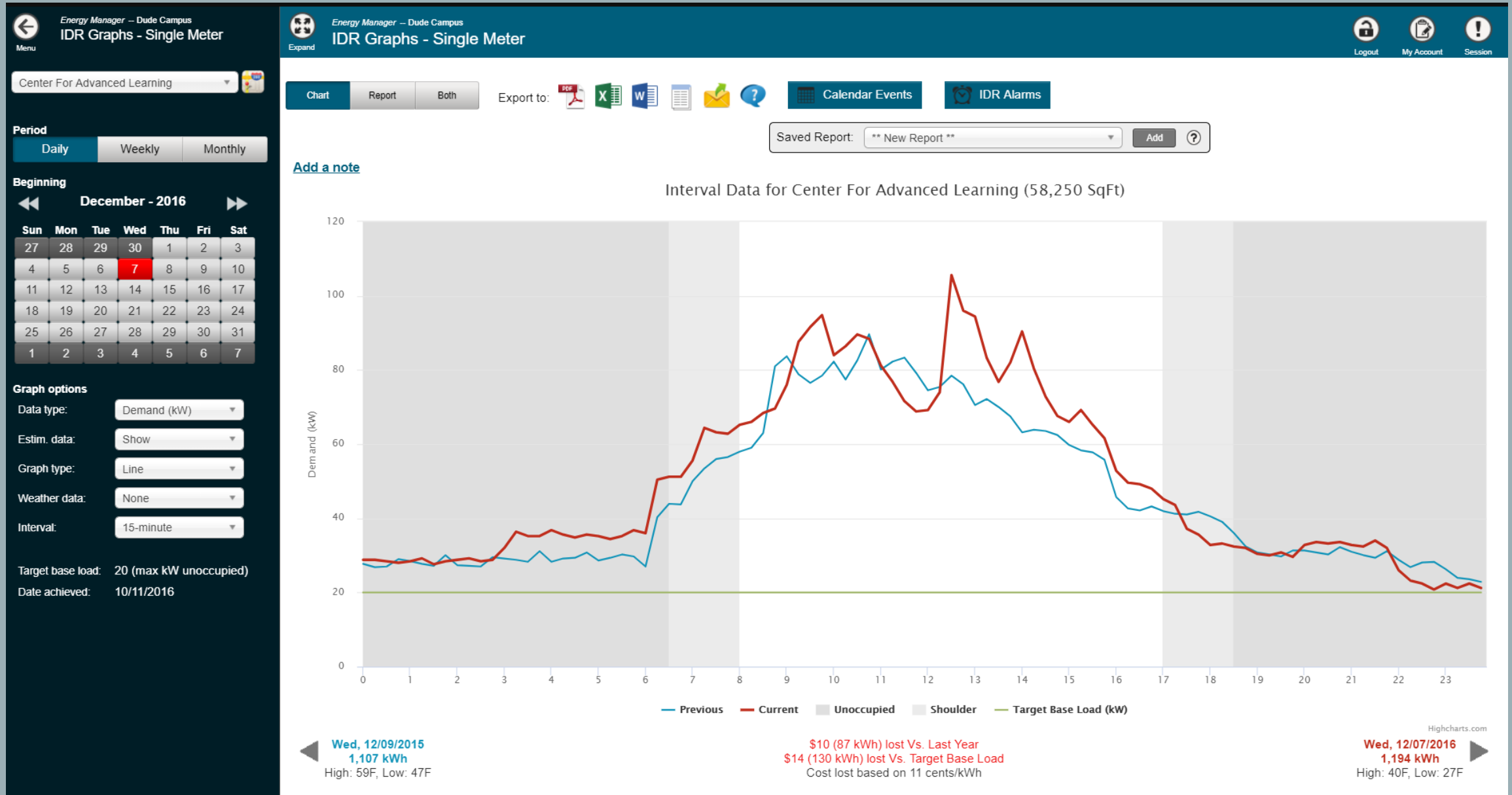
Search:

Facility	Base Year Normalized CO2 Emissions (Tons)	Current CO2 Emissions (Tons)	Reduced CO2 Emissions (Tons)	% CO2 Emissions Reduced	# of Cars off the Road	# of Trees Planted
City Hall	890	774	117	13.1%	17	583
Downtown Park - Canal - Qualling Pond	85	49	37	42.9%	5	183
Surrey Downs	52	21	31	60.3%	4	157
Davis Slough - Bluberry Farm Bldg	21	5	16	74.5%	2	78
South Bellevue Community Center	57	43	14	24.9%	2	71
Aquatic Center Building	99	85	14	14.3%	2	70
Station 3	28	16	12	43.4%	1	60
Botanical Garden - Shorts Visitor Center	18	9	9	50.4%	1	44
Mt. Garfield Elementary School Buildings	21	13	8	39.5%	1	41
Station 1	30	25	5	16.4%	0	24
Ballet Building	5	1	4	82.5%	0	21
Old Safeway site	12	9	2	20.4%	0	11
Robinswood Park - House, Cabana, Pump	9	7	2	19.0%	0	8
Crossroads Substation OLD	2	0	2	83.2%	0	8
Belle Service Center	161	159	2	1.0%	0	8
Municipal Golf Course - Maint Shop	7	5	2	23.3%	0	7
Station 2	20	19	1	6.3%	0	6
Highland Parks & Community Center	23	21	1	5.1%	0	5
Clear Creek Park Education Barn	7	6	1	14.4%	0	4
Station 5	9	8	1	10.6%	0	4

Showing 1 to 20 of 52 entries

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RECORD 15-MIN INTERVAL DATA



Highcharts.com

MANAGE UTILITY BUDGETS

Menu

Energy Manager -- DSI Demo

YTD Budget Assessment

Level:

Single Facility

Facility:

Aquatic Center Building

Per facility:

☐ (generate a separate report for each facility matching the criteria)

Services:

☒ Electricity

☒ Natural Gas

☐ Water

☐ Irrigation

☐ Wastewater

Budget year:

December 2016

Include missing:

☐

YTD:

July

Proration by:

Line Item Dates

Aggregate data:

☐

Refresh Report

Expand

Energy Manager -- DSI Demo

YTD Budget Assessment

Logout

My Account

Session

Export to:

PDF

Excel

Word

Print

Mail

Help

Saved Report:

** New Report **

Add

YTD Budget Assessment

Aquatic Center Building

Search:

Display 20 rows

Facility	Service	Units	Period	Budgeted Use	Actual/Projected Use	Use % Variance	Budgeted Cost	Actual/Projected Cost	Cost % Variance
Aquatic Center Building	Electricity	kWh	01/2016	55,049	66,768	21.3%	\$5,160	\$6,315	22.4%
			02/2016	49,575	52,022	4.9%	\$4,669	\$5,135	10.0%
			03/2016	51,729	50,985	-1.4%	\$4,826	\$5,093	5.5%
			04/2016	45,525	44,063	-3.2%	\$4,063	\$4,198	3.3%
			05/2016	45,572	43,619	-4.3%	\$3,955	\$4,038	2.1%
			06/2016	42,910	41,068	-4.3%	\$3,711	\$3,740	0.8%
			07/2016	44,890	43,635	-2.8%	\$3,937	\$3,933	-0.1%
			08/2016	38,368	38,368	0.0%	\$3,454	\$3,454	0.0%
			09/2016	31,798	31,798	0.0%	\$2,977	\$2,977	0.0%
			10/2016	45,511	45,511	0.0%	\$4,402	\$4,402	0.0%
			11/2016	50,284	50,284	0.0%	\$4,787	\$4,787	0.0%
			12/2016	55,315	55,315	0.0%	\$5,051	\$5,051	0.0%
			Total	556,526	563,436	1.2%	\$50,994	\$53,123	4.2%
Aquatic Center Building	Natural Gas	Therms	01/2016	5,928	4,362	-26.4%	\$4,774	\$3,026	-36.6%
			02/2016	5,416	3,803	-29.8%	\$4,533	\$2,749	-39.4%
			03/2016	5,606	3,839	-31.5%	\$4,750	\$2,819	-40.6%
			04/2016	4,815	3,116	-35.3%	\$4,151	\$2,410	-41.9%
			05/2016	4,052	2,964	-26.8%	\$3,682	\$2,437	-33.8%
			06/2016	3,302	2,759	-16.5%	\$3,072	\$2,217	-27.8%
			07/2016	2,620	2,453	-6.3%	\$2,604	\$1,830	-29.7%

Showing 1 to 20 of 39 entries

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INTUITIVE REPORTING

