Overview of the Delaware Energy Savings Database

Presentation to EEAC

December 13, 2017

Agenda

- About energyOrbit

- Features of Delaware Energy Savings Database

- Inputting Data

- Viewing Data

- Reporting

About energyOrbit

- Founded in 2007 to provide a flexible, cloud based software solution to the DSM/EE marketplace

- Uses Salesforce platform
  - Cloud based
  - Customizable
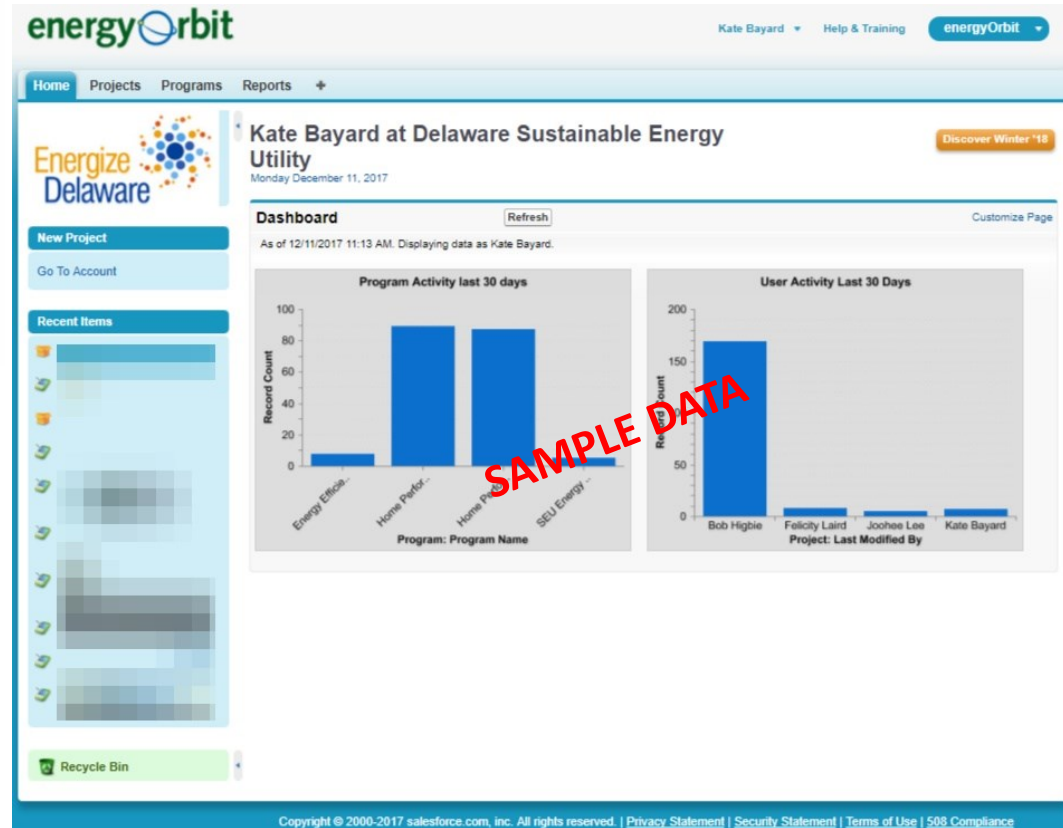 - Robust program tracking and reporting capabilities

www.energy-orbit.com

Features of Delaware Energy Savings Database

- Security controls only allow users to see data for programs to which they are assigned

- Input and summary screens are custom designed for each program

Inputting Data

- Two ways to enter data in Salesforce

  - Data Uploader – used by programs with high volume and are using another system to track and manage their program (e.g. Home Performance)

  - Manual entry – used by programs with low volume

Manual Input Screens

- Each input page is made of several sections

- The first section collects information about the customer and site

- Subsequent sections collect energy savings and greenhouse gas reductions for each program

Customer and Site Info

Information	
Record Name	[Enter Address Information B
Project ID	
Client Name	
Project Address	
Project City	
Project Zip	
Project County	--None-- ▼
Facility Type	--None-- ▼
Sector	--None-- ▼
Project Type	--None-- ▼
Funder	--None-- ▼
Funding Source	--None-- ▼
Electric Utility	--None-- ▼
Gas Utility	--None-- ▼
Other Utility	
Incentive Power Source	--None-- ▼
Incentive Type	--None-- ▼

Dropdown Menu Examples

Program Specific Examples

DNREC EEIF

DNREC Green Energy Fund

DESEU Multifamily Program

Audit (Recommended) Details

Field		
Application Date	[ ]	[12/11/2017]
Award Date	[ ]	[12/11/2017]
Assessment Date	[ ]	[12/11/2017]
Implementation Estimate ($)	[ ]	
Incentives ($) ⓘ	[ ]	
Potential Annual Energy Savings ($)	[ ]	
Potential Annual Electric Savings (kWh)	[ ]	
Potential Annual Gas Savings (MMBTU)	[ ]	
Potential Annual Propane Saved (Gallons)	[ ]	
Potential Annual Oil Saved (Gallons)	[ ]	

Implemented Project Details

Field		
Follow-up Survey Date	[ ]	[12/11/2017]
Total Project Costs ⓘ	[ ]	
Annual Energy Savings ($)	[ ]	
Contractor Hours	[ ]	
Gross Annual Electric Savings (kWh) ⓘ	[ ]	
Gross Annual Gas Savings (MMBTU) ⓘ	[ ]	
Gross Annual Propane Saved (Gallons)	[ ]	
Gross Annual Oil Saved (Gallons)	[ ]	

Solar System Details

Field	
PV Capacity (kW)	[ ]
Annual KWh Production	[ ]
Installation Type	--None-- ▼
Mounting Type	--None-- ▼

DESEU Loan Program

Loan Details

Field		
Application Date	[ ]	[12/11/2017]
Closing Date	[ ]	[12/11/2017]
Loan \ Bond Payment Start Date	[ ]	[12/11/2017]
Loan \ Contract Term (Years)	[ ]	
Loan Amount	[ ]	
Annual Energy Savings ($)	[ ]	
Jobs Created	[ ]	
Contractor Hours	[ ]	

Solar System Details

Field	
PV Capacity (kW)	[ ]
Annual KWh Production	[ ]
Installation Type	--None-- ▼
Mounting Type	--None-- ▼

Energy Savings Data

Field	
Gross Annual Electric Savings (kWh) ⓘ	[ ]
Gross Annual Gas Savings (MMBTU) ⓘ	[ ]
Gross Annual Propane Saved (Gallons)	[ ]
Gross Annual Oil Saved (Gallons)	[ ]

Project Summary Screen

Project
861 Silver Lake Boulevard - Dover - Kent - 004473

Project Detail   Edit   Delete

Record Name	861 Silver Lake Boulevard - Dover - Kent - 004473	Project ID	LoanEE05
Client Name	SLDE Management, LLC	Program	Low Interest Loan Program for Business and Non-profits
Project Address	861 Silver Lake Boulevard	Sector	Commercial
Project City	Dover	Facility Type	Office
Project Zip	19904	Funder	DESEU
Project County	Kent	Funding Source	RGGI
Electric Utility		Project Type	Energy Efficiency
Gas Utility		Incentive Type	Low-Interest Loans
Other Utility		Incentive Power Source	Electric

▼ Loan Details

Application Date	4/11/2015	Closing Date	7/1/2015
Loan \ Bond Payment Start Date	4/1/2016	Loan \ Contract Term (Years)	3
Loan Amount	$467,976.00	Total Project Costs	
Annual Energy Savings ($)	$178,797.00	Leveraged Funds	$0.00
		Payback	Immediate
		Contractor Hours	

▼ Solar Project Details

PV Capacity (kW)		Annual KWh Production	
Installation Type		Mounting Type	

▼ Energy Savings

Total Savings - All Sources (MMBTU)	4,387.4		
Gross Annual Electric Savings (kWh)	1,285,865.00	Gross Annual Gas Savings (MMBTU)	
Propane Gross Annual Savings (MMBTU)	0.00	Oil Gross Annual Savings (MMBTU)	0.00
Gross Annual Propane Saved (Gallons)		Gross Annual Oil Saved (Gallons)	

▼ Green House Gas Savings

Total All Emissions Avoided GHG (mt)	960.69	Carbon Dioxide Avoided GHG (mt)	956.54
Nitrogen Oxides Avoided GHG (mt)	1.11	Sulfer Dioxide Avoided GHG (mt)	3.03

▼ System Information

Owner	Suzanne Sebastian [Change]	Last Modified By	Suzanne Sebastian, 7/24/2017 11:44 AM
		Record Type	DESEU - Low Interest Loan Project Layout [Change]

Program Summary Screen

Program Summary Screen

▼ **Fiscal Year Fuel Savings**

Gross Annual Propane Saved (Gallons)	0.00	Gross Annual Oil Saved (Gallons)	0.00

▼ **Fiscal Year Green House Gas Savings**

Total All Emissions Avoided GHG (mt)	0.00	Carbon Dioxide Avoided GHG (mt)	0.00
Nitrogen Oxides Avoided GHG (mt)	0.00	Sulfur Dioxide Avoided GHG (mt)	0.00

▼ **Solar System Totals**

Total PV Capacity (kW)	0	Total Solar Production (kWh)	0

SAMPLE DATA

▼ **Assessment Totals**

Potential Annual Energy Savings ($)	$0.00	Implementation Estimate ($)	$0.00
Potential Total Fuel Ann Savings (MMBTU)	0.00		
Potential Propane Annual Savings(MMBTU)	0.00	Potential Oil Annual Savings (MMBTU)	0.00
Potential Annual Propane Saved (Gal)	0.00	Potential Annual Oil Saved (Gal)	0.00
Potential Total Avoided GHG (mt)	0.00	Potential CO2 Avoided GHG (mt)	0.00
Potential NO2 Avoided GHG (mt)	0.00	Potential SO2 Avoided GHG (mt)	0.00

▼ **System Information**

Program Start Date	7/1/2016	Last Modified By	Bob Higbie, 8/28/2017 1:01 PM
Program End Date	6/30/2017	Owner	Kate Bayard [Change]
Program Code	HPwESJ	Incentive Cap Portfolio	Current Programs
Electric Rate (per kWh)	$12.03	Propane Rate	$2.60
Gas Rate (per 1000 CF)	$11.88	Fuel Oil Rate	$3.08

Reports

- Easy to customize

- Can report on every field being captured

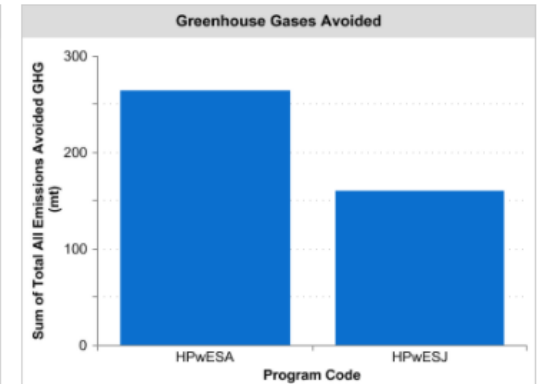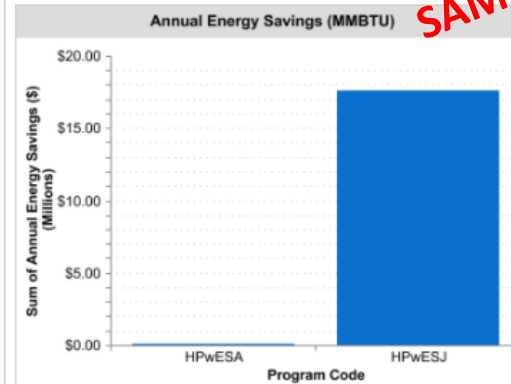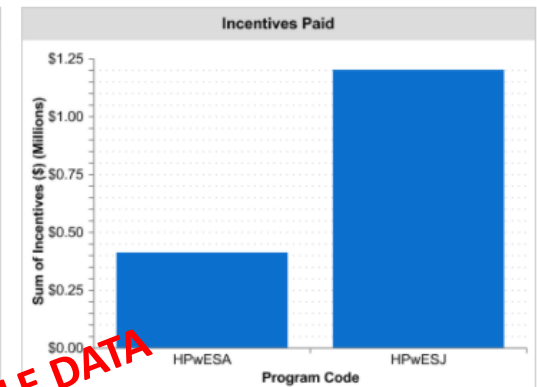- Multiple report types to choose from

- Can export in Excel format

Dashboards

- Summarizes data from reports

- Multiple chart and table types to choose from
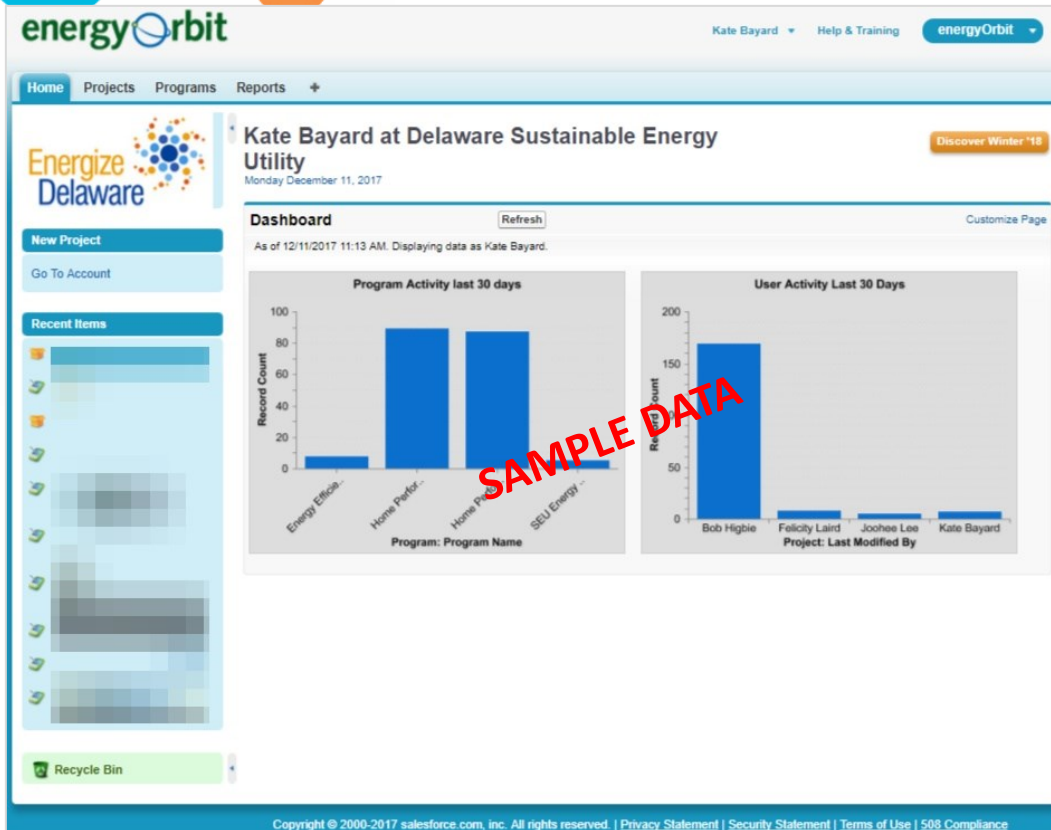
- Users can create their own dashboards
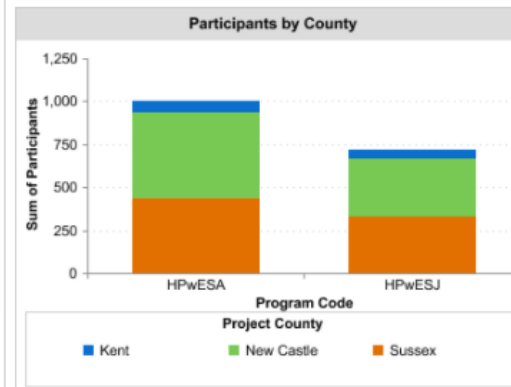
Questions?

Thank you!

Let us know if you are interested in a more detailed demonstration!

Delaware Sustainable Energy Utility

Tony DePrima, Executive Director
Kate Bayard, Marketing Manager

(302) 883-3048