

Standard Energy Efficiency Data Platform™



U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



SEED PLATFORM™ 2.18.0 Release Notes

April 2023

Overview: New Features

INVENTORY

- **List View**
 - **Salesforce:** It is possible to run Salesforce on a group of properties
 - **Export GeoJSON:** Meter data has been added to the GeoJSON file
- **Detail View**
 - **Salesforce:** It is possible to run Salesforce on individual properties
(See details starting on page 4)
 - **Timeline:** This feature allows viewing actions, such as importing Audit Template records, over time
(See details starting on page 5)

INSIGHTS

- **Property Insights:** It is now possible to add labels to the currently visible properties in the graph

ORGANIZATION

- **Settings**
 - **Salesforce integration**
 - Salesforce can now be configured directly in SEED *(See details starting on page 14)*

Overview: Updates

INVENTORY

- **Analysis: EUI:** Select a cycle or date range for the analysis

INSIGHTS

- **Program setup:** Select Cycles instead of Start/End dates

Run Analysis (beta)

Name

Analysis Name

Type

EUI

EUI Analysis Options

Use All Meter Data

Select Meter Data Range

Select Cycle

GENERAL SETTINGS

Configure your program metric to enable visualizations on the [program overview](#) page.

PROGRAM DEFINITION

Name BPS Compliance - Energy only

CYCLES TO INCLUDE IN COMPLIANCE PERIOD

2022	x
2021	x
2020	x
2019	x
2023	x

Overview: Known Issues

INVENTORY

- **List View**
 - Sorting: In the Property tab, it is now possible to sort on Tax Lot fields; and vice versa

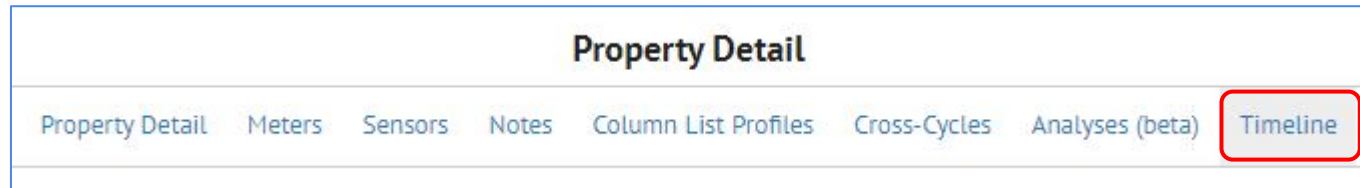
The screenshot shows a software interface with two tabs: 'View by Property' and 'View by Tax Lot'. Below the tabs is a table with columns for 'PM Property ID' and 'City (Tax Lot)'. The 'City (Tax Lot)' column header is highlighted with a red box. A red arrow points from the text 'Sorting is not available' to a context menu that appears over the 'City (Tax Lot)' column. The context menu contains three options: 'Hide Column', 'Pin Left', and 'Pin Right'.

View by Property						View by Tax Lot	
						PM Property ID	City (Tax Lot)
	✓	h	⚡	i		4544232	
	✓	h	⚡	i		4868144	
	✓	h	⚡	i		6159068	



INVENTORY: Detail View: **Timeline**

A new feature has been added called Timeline, to show important “events” that happen on a property



There is a row in the Timeline for every event

Events added to the Timeline are

- New Notes (added manually)
- New Analyses
- New Audit Template or BuildingSync file upload

INVENTORY: Detail View: **Timeline**

Clicking the Timeline link for a property will show all the actions across cycles

[← Properties](#)

Property Detail

Property DetailMetersSensorsNotesColumn List ProfilesCross-CyclesAnalyses (beta)Timeline

Property : Medstar POB North Tower

Event Selection

✓ Select All

✓ Notes

✓ Analyses

✓ AT Uploads

← Filter the events as needed

Expand All

Sort By: Newest to Oldest

Cycles

▼ 2023	📄 Notes: 1		
> 2023-03-29	Alex Chapin	Note	
▼ 2022	📄 Notes: 1		
> 2023-03-29	Alex Chapin	Note	
▼ 2021	📊 Analyses: 2	⚡ Audit Template Files: 1	
> 2023-03-29	Alex Chapin	Analysis	BETTER
> 2023-03-29	Alex Chapin	Analysis	BETTER
> 2023-03-29	Audit Template File		



INVENTORY: Detail View: Timeline

Clicking the Timeline link for a property will show all the actions across cycles

Click this button to expand all the events at once

Details for Note events

Expand an event to see the details

Results for a BETTER analysis

Expand All

Sort By: Newest to Oldest

2023

Notes: 1

2023-03-29

Alex Chapin

Note

Updated

Text

2022-08-31

2022

Notes: 1

2023-03-29

Alex Chapin

Note

2021

Analyses: 2

Audit Template Files: 1

2023-03-29

Alex Chapin

Analysis

BETTER

Name	Service	Created	Run Duration	Status
Better second try	BETTER	2023-01-12		Failed

Better second try

Run #7137

Failed

Meter Selection: All

0

Full Analysis

2023-03-29

Alex Chapin

Analysis

BETTER

2023-03-29























Audit Template File



INVENTORY: Detail View: Timeline

Audit Template event

Expanding the Audit Template upload show the scenarios from the file

2023-03-29 Audit Template File				
Scenarios	Electricity savings (kBtu)	Peak electricity reduction (kW)	Natural gas savings (kBtu)	Status of Measures
> Audit Template Energy Meter Readings - Natural gas	 N/A	 N/A	 N/A	
> Audit Template Energy Meter Readings - Electricity	 N/A	 N/A	 N/A	
> Install timer on exhaust fans	 14,704	 0	 1,874	1 Proposed
> Hydronic Pump VFD Upgrade	 177,384	 3	 0	3 Proposed
> Low-flow water fixtures	 0	 0	 53	1 Proposed
> Air Sealing	 0	 0	 15,066	2 Proposed
> Garage fan CO sensor	 13,615	 0	 3,410	1 Proposed
> Optimize heating and cooling	 0	 0	 33,214	2 Proposed



INVENTORY: Detail View: Timeline

Audit Template event

Expand the Scenarios to see the individual measures

2021

Analyses: 2

Audit Template Files: 1

> 2023-03-29

Alex Chapin

Analysis

BETTER

> 2023-03-29

Alex Chapin

Analysis

BETTER

2023-03-29

Audit Template File

Scenarios	Electricity savings (kBtu)	Peak electricity reduction (kW)	Natural gas savings (kBtu)	Status of Measures
> Audit Template Energy Meter Readings - Natural gas	N/A	N/A	N/A	
> Audit Template Energy Meter Readings - Electricity	N/A	N/A	N/A	
▼ Install timer on exhaust fans	14,704	0	1,874	1 Proposed

MEASURES

Category	Name	Recommend.	Status	Category Aff.	Cost Installat.	Cost Material	Cost Residual	Cost Total Firm	Cost Capital	Description	Useful Life
Building Aut.	Add or upgra	true	Proposed	Fan				400			15

▼ Hydronic Pump VFD Upgrade

177,384

3

0

3 Proposed

MEASURES

Category	Name	Recommend.	Status	Category Aff.	Cost Installat.	Cost Material	Cost Residual	Cost Total Firm	Cost Capital	Description	Useful Life
Electric Moto	Add VSD mot	true	Proposed	Motor				20746			15
Electric Moto	Add VSD mot	true	Proposed	Motor				37992			15
Electric Moto	Add VSD mot	true	Proposed	Motor				17246			15



INVENTORY: Property Detail View: Audit Template Files

In the Property Detail View:

Audit Template and BuildingSync files can be imported

Import either Audit Template files or BuildingSync files

The Scenarios and Measures from the imported file will be displayed at the bottom of the Property Detail page

The screenshot shows the 'Properties' section of the Property Detail View. The 'Actions' dropdown menu is open, displaying several options. A red box highlights the 'Update with BuildingSync' and 'Update with Audit Template' options. A red arrow points from the text 'Import either Audit Template files or BuildingSync files' to this red box. Other options in the menu include 'Export BuildingSync', 'Export BuildingSync (Excel)', 'Add/Remove Labels', 'Run Analysis (beta)', 'Unmerge Last' (highlighted in orange), 'Merge and Link Matches', and 'Only Show Populated Columns'. The 'Property Detail' tab is visible at the top right of the section.

The screenshot shows the 'Building Files (Main State Only)' table and the 'Scenarios & Measures' section. The table has three columns: 'FILE TYPE', 'FILE NAME', and 'CREATED'. A red arrow points from the text 'The Scenarios and Measures from the imported file will be displayed at the bottom of the Property Detail page' to the 'FILE NAME' column of the table. The table contains one row with the file name 'BPS_Sample_AT_11911.xml' and the creation date '2022-10-18 8:01 AM'. Below the table, the 'Scenarios & Measures' section is visible, featuring a lightning bolt icon, the text 'Scenarios & Measures', and an 'Expand All' button. The year '2021' is displayed in a large font. At the bottom, the 'Audit Date:' and 'Upload Date: 2022-10-18' are shown.

FILE TYPE	FILE NAME	CREATED
BuildingSync	BPS_Sample_AT_11911.xml	2022-10-18 8:01 AM

⚡ Scenarios & Measures

Expand All

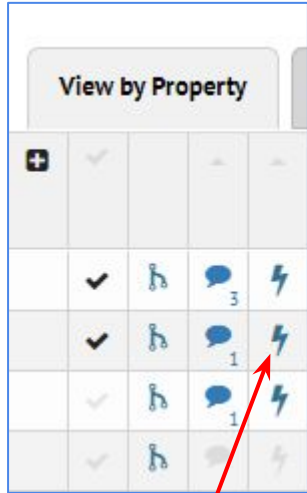
2021

> Audit Date: Upload Date: 2022-10-18

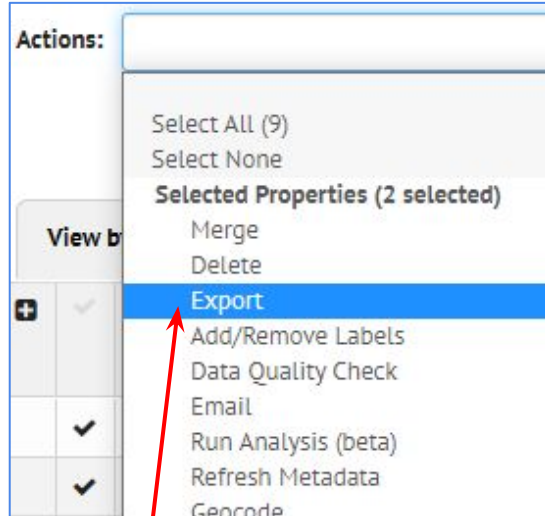


INVENTORY: List View: Export GeoJSON with Meter Data

Property List View: it is possible to export meter data with a GeoJSON file

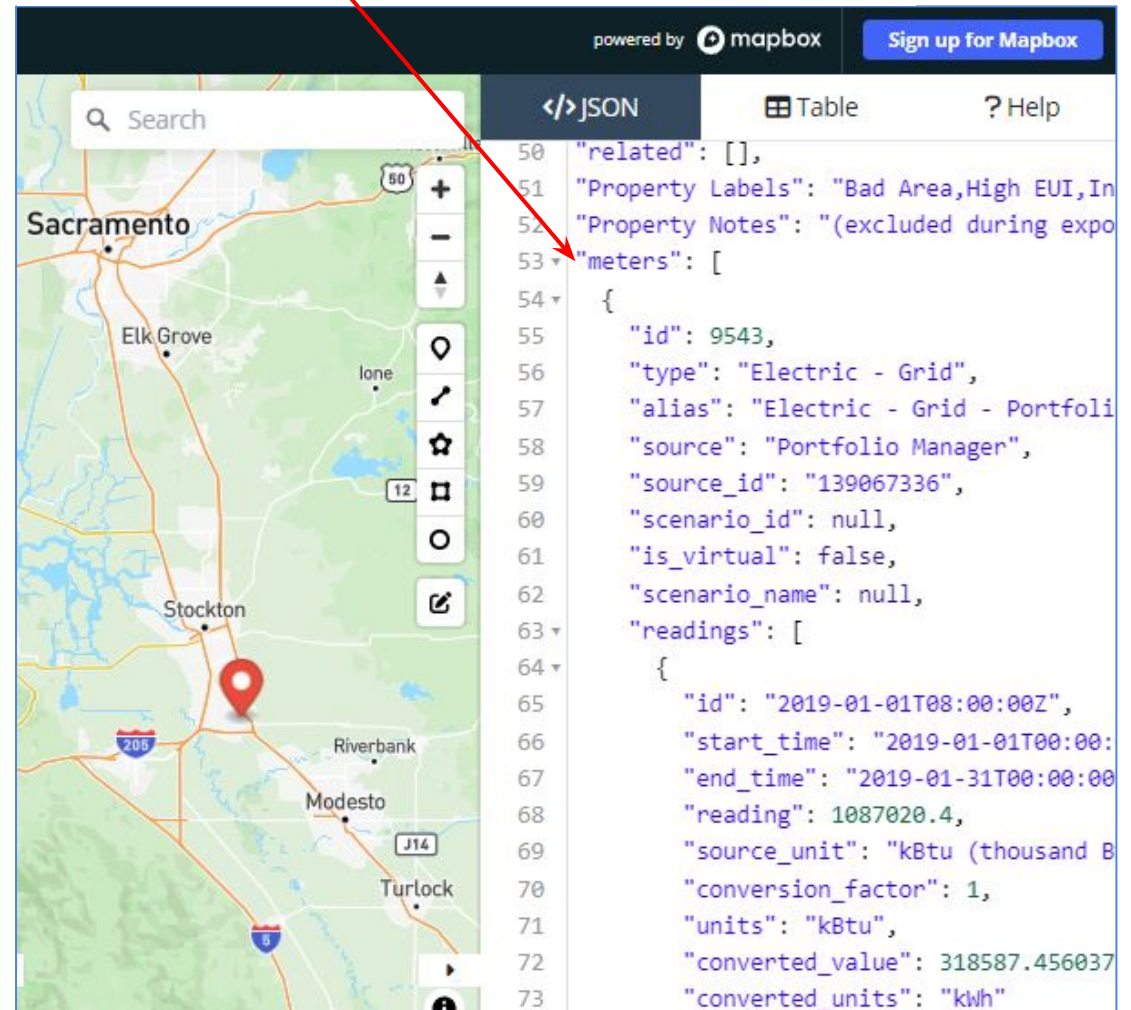


1 - Select properties with meter data



2 - Select Actions: Export

5 - GeoJSON file contains meter data



Export your Properties and Tax Lots

Export Name:

Include Notes: ☐

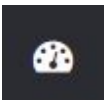
CSV - Include Label Header: ☐

GeoJSON - Include Meter Readings (only recommended if exporting a few buildings): ☒

3 - Name the file and select GeoJSON

4 - Export GeoJSON

Export CSV Export BuildingSync in Excel format Export GeoJSON Cancel



INSIGHTS: Property Insights: Add Labels

Chart Legend

Click a series to show/hide on the chart

- ☒ Compliant
- ☒ Not Compliant
- ☐ Unknown
- ☐ Distance to Target

Program

BPS Compliance - Energy only

Cycle

2021

Metric Type

Energy Metric

X Axis

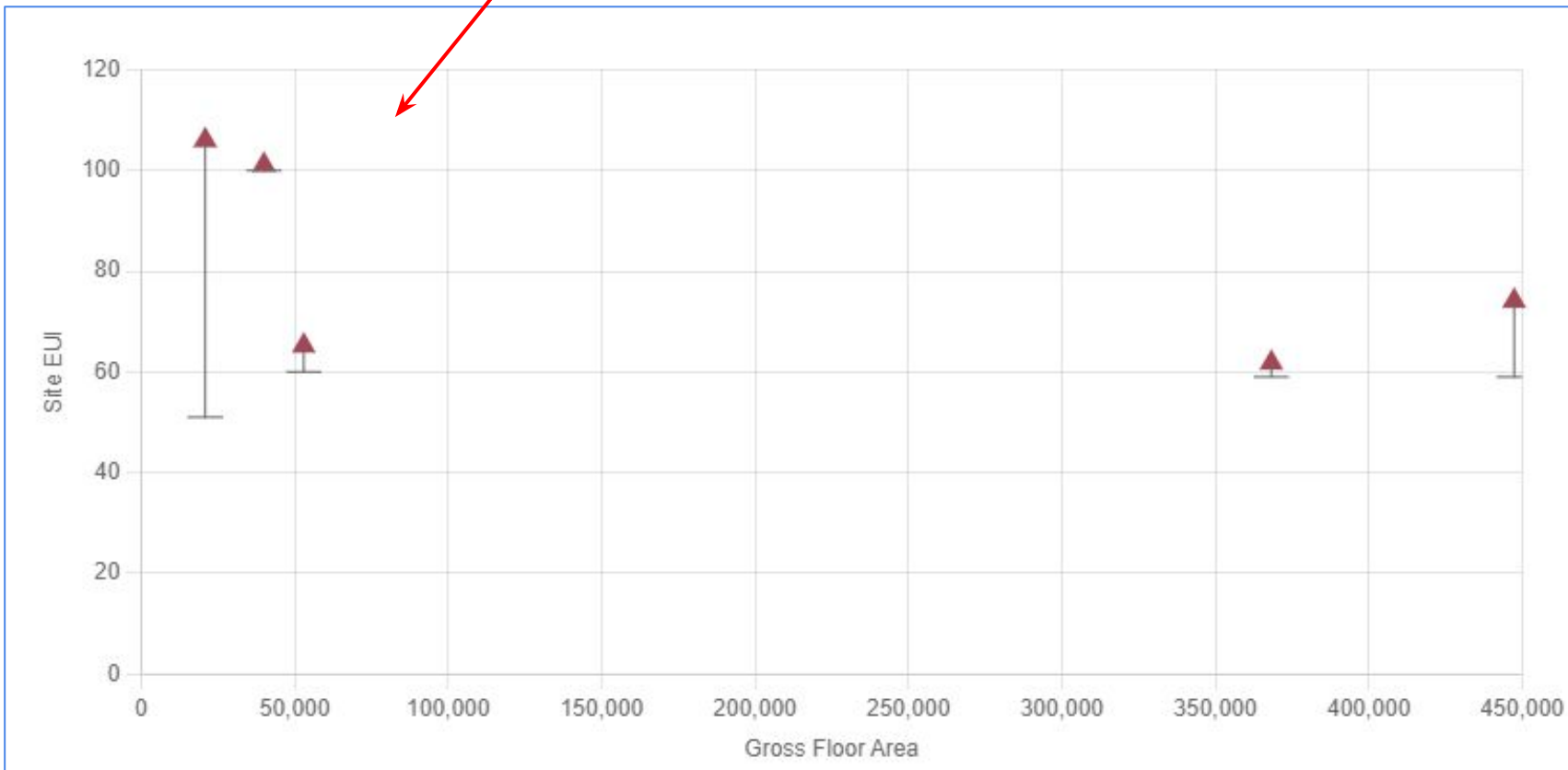
Gross Floor Area

Export

Update Labels

Property Insights Graph: Add labels to all the properties displayed in the plot

Filter the properties displayed in the plot as needed
In this case, only the "Not Compliant" properties are displayed



Click Update Labels, and the Add/Remove labels dialog box will appear

Add or remove labels from 5 selected properties

Insights - Non Compliant

The selected labels will be added to the properties

View by Property

View by Tax Lot

+

✓

⬆

⬆

⏪

Property Name

⌵

✓

🔗

💬₃

⚡

ℹ️

Bad Area

High EUI

Insights - Non Compliant

Large Building

Violation

BuildingType-7033951...

✓

🔗

💬₁

⚡

ℹ️

Bad Area

High EUI

Insights - Non Compliant

Large Building

Violation

BuildingType-7033951...

✓

🔗

💬₁

⚡

ℹ️

High EUI

Insights - Non Compliant

Violation

BuildingType-7033946...

✓

🔗

💬

⚡

ℹ️

High EUI

Insights - Non Compliant

Violation

BuildingType-7033950...

The selected labels will be added to the properties



Salesforce: Configure from within SEED

Settings

Options

API Key

Default Display Fields

Email

Maintenance

Salesforce

Units

Salesforce Integration

Check this checkbox if you would like to sync data between SEED and a Salesforce instance

Enable Salesforce Integration

☒

Salesforce Connection

Enter your Salesforce instance details and ensure your connection is successful

Salesforce URL

Username

Password

Security Token

Security token set in Salesforce

Domain

If your Salesforce instance is a sandbox, set this field to the value 'test'; otherwise leave blank.

Test Connection



Salesforce: Configure from within SEED

Scheduled Daily Update

If you would like to automatically update Salesforce on a daily basis, configure the fields below

Hour

Enter the hour when the update should be run daily (0-23) Timezone: America/Los_Angeles

Minute

Enter the minute after the hour when the update should be run daily (0-59)

Logging Email

Enter the e-mail address to use when reporting errors during the Salesforce updating process

Last Salesforce Update


Reset

Sync Salesforce



ORGANIZATIONS: Settings: Salesforce

Salesforce: Configure from within SEED

 Configuration

Configure a few parameters needed for data transfer to Salesforce

Indication Label

Label used to designate that a SEED property should be updated in Salesforce. Example: 'Add to Salesforce'

Violation Label

Label used to designate that a SEED property has a violation. Example: 'Violation - Insufficient Data'

Compliance Label

Label used to designate that a SEED property is in compliance. Example: 'Complied'

Salesforce Unique Benchmark ID

Fieldname

Fieldname of the Salesforce field that is used to uniquely identify Benchmark records. Example: 'Salesforce_Benchmark_ID__c'

SEED Unique Benchmark ID Column

Fieldname of the SEED field that is used to uniquely identify Benchmark records. Example: 'Salesforce Benchmark ID'

Cycle Name Benchmark Field

If your Salesforce Benchmark Record stores cycle name, please enter the name of the salesforce field here, ex: Cycle__c

Status Label Benchmark Field

If your Salesforce Benchmark Record stores a Status Label value (ex: violation or compliant), please enter the name of the salesforce field here, ex: Status__c

All Labels Benchmark Field

If your Salesforce Benchmark Record stores a string of all SEED labels applied, please enter the name of the Salesforce field here, ex: SEED_Labels__c



Salesforce: Configure from within SEED

Contacts and Accounts

Configure the contact information used for benchmark status notifications in Salesforce. When configured, this functionality will create or update contact records in Salesforce and link them to the Benchmark object

Salesforce Account Object Record Type	If your Salesforce instance has multiple account types, provide the Record Type ID of the type of account to use when accounts are automatically created from SEED
	<input type="text"/>
Salesforce Contact Object Record Type	If your Salesforce instance has multiple contact types, provide the Record Type ID of the type to use when contacts are automatically created from SEED
	<input type="text"/>
Account Name	Select the SEED field that holds the account name for the contact record. Ex: 'Organization'
	<input type="text"/>
Contact Name Column	Select the SEED field that holds the contact name for the benchmark record. Ex: 'On Behalf Of'
	<input type="text"/>
Contact Email Column	Select the SEED field that holds the contact email for the benchmark record. Ex: 'Email'
	<input type="text"/>
Contact Benchmark Field	If your Salesforce Benchmark Record stores a Salesforce Contact relation, provide the Salesforce field name here, ex: Contact_Name__c
	<input type="text"/>



ORGANIZATIONS: Settings: Salesforce

Salesforce: Configure from within SEED

⚙️ Salesforce Field Mappings

Map your Salesforce Benchmark Object's fields to columns in SEED. Use the Object Manager in Salesforce to retrieve the field names (not the field labels), ex: Cycle__c (not Cycle). These fields will only be sent to Salesforce when a property has the compliant label applied.

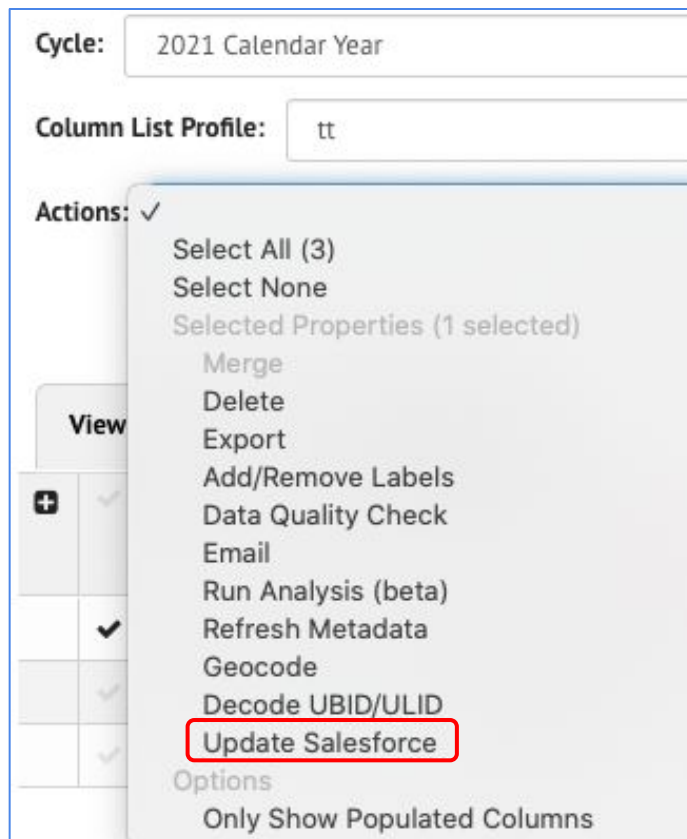
Salesforce Field Name	SEED Field Name	
ENERGY_STAR_Score__c	ENERGY STAR Score	✖
Portfolio_Manager_Property_ID__c	PM Property ID	✖
Site_EUI_kBTU_ft2__c	Site EUI (kBtu/ft ² /year)	✖
Total_GHG_Emissiosn_Metric_tons_CO2e__c	Total GHG Emissions (t/year)	✖

Add Mapping

Save Changes

INVENTORY: Salesforce

Property List View: a group of properties can be selected and updated manually



Property Detail: individual properties can be updated manually

