

SEED PLATFORM

Beta **Release 2** User Guide

Where we left off

In the first release of SEED, you could bring in a .csv of your tax assessor data, map/clean/merge it into SEED, then setup projects based on building filter parameters such as square footage. This first module was focused only on the buildings list, and did not have any Portfolio Manager energy data capabilities.

What's new in R2!

In R2 you can now bring in your PM data, map/clean/merge it, then match these records to your master buildings list. Matching is done automatically in cases with high-confidence, with lower confidence matches done by the user in a new interface. R2 also gives users the ability to assign labels to buildings for the managing of compliance projects. New features include editing table columns, setting compliance parameters to projects, and greater filtering/searching capabilities!

Note: You will need to re-import your buildings list as Step 1.



Getting Started

The Standard Energy Efficiency Data (SEED) platform is a software tool that provides a standardized format for collecting, storing and analyzing building energy performance information about large portfolios. Upload your buildings list to get started.

[Upload your Data](#)[Getting Started Guide](#)

What's New in R2



Upload your data

Get started using SEED by uploading your buildings list (city tax assessor data) and then your EPA Portfolio Manager data. Make sure these files are each in .csv format. The SEED platform will help you map and clean your data in the process of loading.

[Download Sample Data](#)

Match your data

Match-up your buildings list with the Portfolio Manager dataset to tie records together. SEED will help you by auto-matching high confidence pairings and then provide you with tools to match the rest of your dataset.



Manage compliance

You are ready to start managing the compliance of individual buildings to your data disclosure requirements! Use SEED's flexible, easy-to-use labeling system and project groupings to track the status of data submission, review, and compliance.

Sample data for testing, including buildings list and PM data.

Once you've brought in your buildings list, you can load your PM data and then click in to match buildings that SEED didn't auto-match.

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[Data Sets](#)






Worksheet

FILENAME		BUILDINGS	1. MAP		2. CLEAN		3. MERGE	4. MATCH	
			to do	done	to do	done		to do	done
DC_CoveredBuildings_50k_v2_March2013_expanded.csv		1,601	✓	17	✓	1587	✓		
DC_ESPM.csv		533	✓	0	✓	0		399	125

Add more files

Your PM data is on the left.

Your buildings list is on the right. Now you can start matching.



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< Worksheet

Matching (DC_ESPM.csv)

Filter matching by: All 473 to do 51 done

Confidence: 111 high 323 medium 90 low

Data From: DC_ESPM.Csv

YEAR BUILT	ADDRESS	NAME	BUILDING ID	MATCH	CONFIDENCE
Year Built	Address	Name	ID		
1990	1301 K Street NW	One Franklin Square	1953 (0248-0830)	<input checked="" type="checkbox"/>	med
1987	555 13th Street N.W Suite 100 West	Columbia Square	2214 (0290-0861)	<input type="checkbox"/>	low
1964	1101 17th Street N.W.	1101 17th Street	5829 (0183 0857)	<input checked="" type="checkbox"/>	med
1969	1776 K Street NW	1776 K Street NW	6768 (0126 0057)	<input checked="" type="checkbox"/>	high
1997	2121 Pennsylvania Ave, NW	International Finance Corporation	11064 (0074-0049)	<input type="checkbox"/>	med
1985	1001 Pennsylvania Ave, NW	1001 Pennsylvania Ave	12407 (0348-0832)	<input type="checkbox"/>	med
1975	2101 L St NW	2101 L St NW	13149 (0072 0076)	<input checked="" type="checkbox"/>	high
1978	1875 Eye Street, NW	International Square	16591 ()	<input type="checkbox"/>	
1988	700 14th Street, NW	CNBB	16714 ()	<input type="checkbox"/>	
2000	1201 F Street NW	1201 F Street	16807 ()	<input type="checkbox"/>	high

Existing Buildings

ID	NAME	ADDRESS	YEAR BUILT
02480830		1301 K ST NW	1990
2999304	DC0321ZZ - JUDICIARY CENTER	555 4TH STREET, NW	
02470092		1101 14TH ST NW	1981
01260057		1776 K ST NW	1969
00740049		2121 PENNSYLVANIA AV NW	1997
03480832		1001 - 0429 PENNSYLVANIA AV NW	1987
00720076		2101 L ST NW	1978
02890832		1201 F ST NW	2000






Display: 10 buildings

Showing 1 to 10 of 524 buildings

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SEED will auto-match records with high confidence and ask the user to map lower confidence matches. Click on an individual building link to drill into matching.



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[Worksheet](#)

Matching (DC_ESPM.csv)

Filter matching by: All 473 to do 51 done Confidence: 111 high 323 medium 90 low

Data From: DC_ESPM.csv						Existing Buildings			
YEAR BUILT	ADDRESS	NAME	BUILDING ID	MATCH	CONFIDENCE	ID	NAME	ADDRESS	YEAR BUILT
Year Built	Address	Name	ID						
1990	1301 K Street Nw	One Franklin Square	1953 (0248-0830)	<input checked="" type="checkbox"/>	med	02480830		1301 K ST NW	1990
1987	555 13th Street N.W Suite 100 West	Columbia Square	2214 (0290-0861)	<input type="checkbox"/>	low	2999304	DC0321ZZ - JUDICIARY CENTER	555 4TH STREET,NW	
1964	1101 17th Street N.W.	1101 17th Street	5829 (0183 0857)	<input checked="" type="checkbox"/>	med	02470092		1101 14TH ST NW	1981
1969	1776 K Street NW	1776 K Street NW	6768 (0126 0057)	<input checked="" type="checkbox"/>	high	01260057		1776 K ST NW	1969
1997	2121 Pennsylvania Ave, NW	International Finance Corporation	11064 (0074-0049)	<input type="checkbox"/>	med	00740049		2121 PENNSYLVANIA AV NW	1997
1985	1001 Pennsylvania Ave, NW	1001 Pennsylvania Ave	12407 (0348-0832)	<input type="checkbox"/>	med	03480832		1001 - 0429 PENNSYLVANIA AV NW	1987
1975	2101 L St NW	2101 L St NW	13149 (0072 0076)	<input checked="" type="checkbox"/>	high	00720076		2101 L ST NW	1978
1978	1875 Eye Street, NW	International Square	16591 ()	<input type="checkbox"/>					
1988	700 14th Street, NW	CNBB	16714 ()	<input type="checkbox"/>					
2000	1201 F Street NW	1201 F Street	16807 ()	<input type="checkbox"/>	high	02890832		1201 F ST NW	2000

Display:

10






 buildings

Showing 1 to 10 of 524 buildings

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Inside an individual building match, the user can search and filter for the best match PM record.



SEED PLATFORM

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[← Matching](#)

Matching (DC_ESPM.csv)

Here is the building you are attempting to match:

Building From: DC_ESPM.Csv

MATCH	CONFIDENCE	ID	CUSTOM ID 1	NAME	ADDRESS	YEAR BUILT	POSTAL CODE	FLOOR AREA
✓	high	6768		1776 K Street NW	1776 K Street NW	1969	22202	269,993

To create a match: find an existing building(s) from the list below and select it.

Existing Buildings

MATCH	CONFIDENCE	ID	NAME	ADDRESS	YEAR BUILT	POSTAL CODE	FLOOR AREA
		<input type="text" value="ID"/>	<input type="text" value="Name"/>	<input type="text" value="Address"/>	<input type="text" value="Year Built"/>	<input type="text" value="Postal Code"/>	<input type="text" value="Floor Area"/>
<input checked="" type="checkbox"/>	high	01260057		1776 K ST NW	1969	20006	256,839
<input type="checkbox"/>	high	01700041		1776 F ST NW	1972	20006	177,069
<input type="checkbox"/>	high	01270053		1776 I ST NW	1988	20006	293,324
<input type="checkbox"/>	medium	01690070		1776 - 1742 G ST NW	1978	20006	361,940
<input type="checkbox"/>	medium	01580078		1776 MASSACHUSETTS AV NW	1970	20036	115,510
<input type="checkbox"/>	medium	3506489	DAR Building	1776 D Street, NW	1903	20006	203,652

6 possible matches

Once your buildings are matched up (or some of them, at least) you can edit the columns you want to appear in your buildings table.

The screenshot shows the SEED PLATFORM interface. A modal titled "Select Columns to Display" is open, allowing users to choose which columns appear in the buildings table. The modal is divided into two sections: "Assessor Fields" and "Portfolio Manager Fields".

Assessor Fields:






- ☒ ID
- ☒ Address 1
- ☐ Address 2
- ☒ Name
- ☒ Year Built
- ☒ Use Type
- ☐ Use Description
- ☒ City
- ☒ State
- ☐ County
- ☒ Postal Code
- ☒ Floor Area



Portfolio Manager Fields:

- ☐ PM Floor Area
- ☐ Energy Star Score
- ☐ Site EUI
- ☐ Full Year


The background shows a table with columns: ID, ADDRESS 1, NAME, STATE, POSTAL CODE, and FLOOR AREA FT². The "ID" column is highlighted, and an orange arrow points from the text above to it. The "Building Actions" dropdown is visible. The "Display: 10 buildings" option is shown at the bottom left. The "Edit Columns" button is visible in the top right corner of the table area.


From the building detail page you can now see PM and Assessor data side-by-side, with project info and detailed PM data below




 **SEED PLATFORM** 

[< Buildings](#) **1201 15TH ST**

 **Building Information**

FIELD	MASTER	PORTFOLIO MANAGER DATA	ASSESSOR DATA
ID	IMP1-02130017	19680	02130017
Block #			
Name	NATIONAL ASSOC OF HOME BUILDERS OF U S	The National Housing Center Corporation	NATIONAL ASSOC OF HOME BUILDERS OF U S
Street Address	1201 15TH ST 	1201 15th Street, NW	1201 15TH ST
County			2
City, State	Washington, DC	Washington, District of Columbia (D.C.)	Washington, DC
Zip Code	20005	20005	20005
Year Built	1973	2001	1973
Use Type		Office	COMMERCIAL
Use Description			Commercial-Office-Large

 **Compliance Projects That Include This Building**

PROJECT	SUBMITTAL TYPE	YEAR ENDING	DEADLINE	STATUS	CHANGED ON	CHANGED BY
There are no compliance projects for this building						

Filter your buildings list and create a project -- now with the option to make a compliance project!

SEED PLATFORM Search

Building Actions ▾

☒ ID ADDRESS 1

<input checked="" type="checkbox"/>	ID	Address 1
<input checked="" type="checkbox"/>	1034332	1550 M St. NW
<input checked="" type="checkbox"/>	1229780	1300 L Street, NW
<input checked="" type="checkbox"/>	3412660	2101 MARTIN LUTHER KING JR AVENUE
<input checked="" type="checkbox"/>	3412676	2100 MARTIN LUTHER KING JR AVENUE
<input checked="" type="checkbox"/>	3485321	2030 F Street, NW
<input checked="" type="checkbox"/>	3499931	2117 E. St. NW, Washington D.C. 20036
<input checked="" type="checkbox"/>	100004	1200 Foster St NW
<input checked="" type="checkbox"/>	100014	96 Poplar St NW
<input checked="" type="checkbox"/>	100017	929-933 NE Euclid Ave
<input checked="" type="checkbox"/>	100037	149 Peachtree Cir

Display: 10 buildings

Showing 1 to 10 of 898 buildings

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Create a New Project

Project Name

☒ Add compliance information.

Compliance Information

Submittal Type

Year Ending Date

Choose the year ending month for report period.

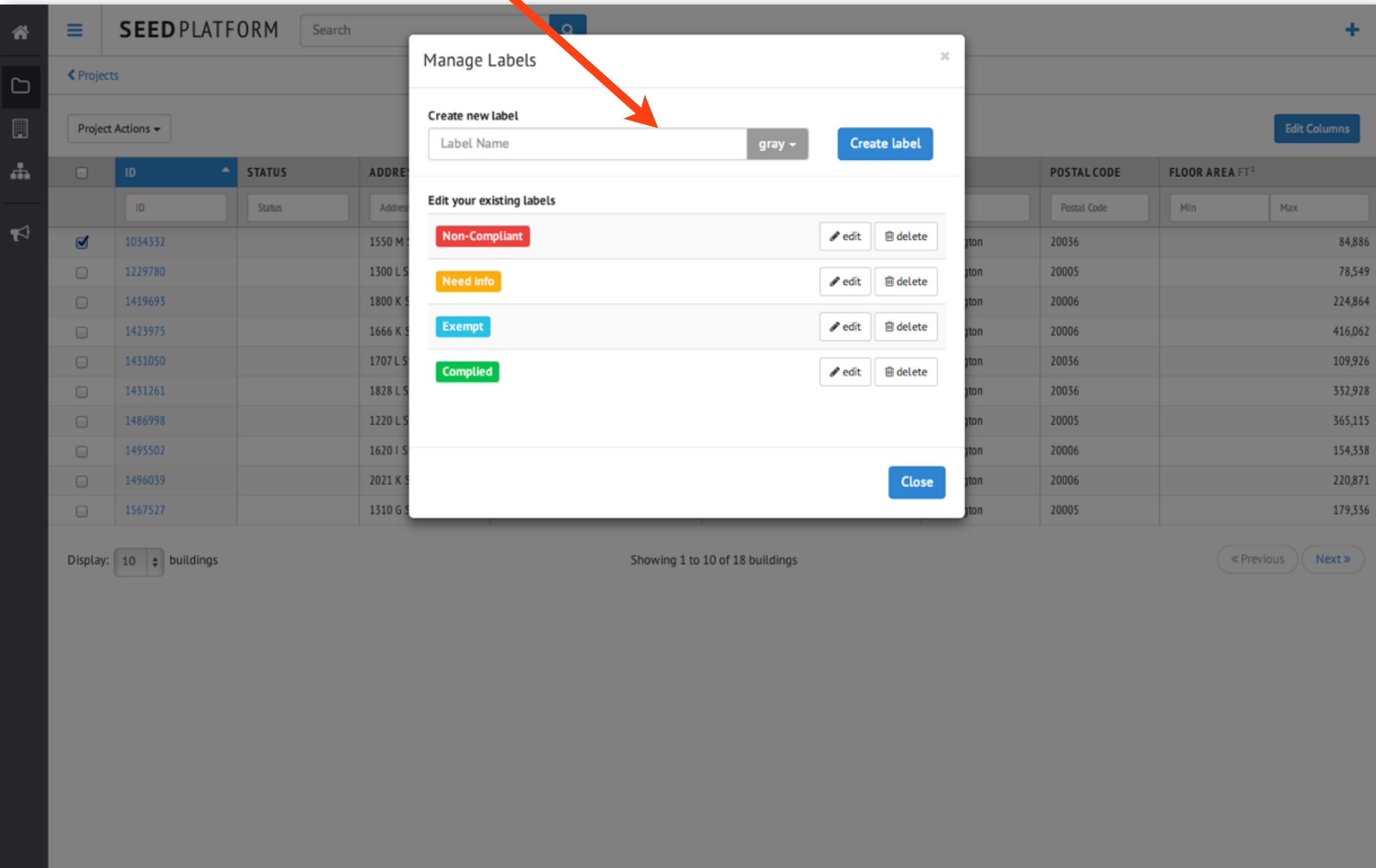
Reporting Deadline

Cancel Create Project

Edit Columns

CITY	STATE	POSTAL CODE	FLOOR AREA FT ²
City	State	Postal Code	10000 100000
Washington		20036	84,886
Washington		20005	78,549
Washington		20002	75,660
Washington		20020	81,610
Washington		20006	71,400
Washington D.C.		20036	99,000
Atlanta		30318	67,269
Atlanta		303032120	86,627
Atlanta		30307	87,271
Atlanta		30309	64,703

Create any kind of label you want, color coded, and assign to buildings to track status, review, etc.



The screenshot displays the SEED PLATFORM interface. A modal window titled "Manage Labels" is open, allowing users to create or edit labels for buildings. The modal has a close button (X) in the top right corner.

Create new label

Label Name gray

Edit your existing labels

Label	edit	delete
Non-Compliant	<input type="button" value="edit"/>	<input type="button" value="delete"/>
Need info	<input type="button" value="edit"/>	<input type="button" value="delete"/>
Exempt	<input type="button" value="edit"/>	<input type="button" value="delete"/>
Complied	<input type="button" value="edit"/>	<input type="button" value="delete"/>

The background shows a table of buildings with columns: ID, STATUS, ADDRESS, POSTAL CODE, and FLOOR AREA FT². The table lists 10 buildings, with the first one checked. The bottom of the interface shows "Display: 10 buildings" and "Showing 1 to 10 of 18 buildings".

Manage buildings within a project by status labels. Remove from project, move to another project and even copy them over to other projects!

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Projects

DC Benchmarking 2014 (18 Buildings)

Project Actions

TYPE OF SUBMITTAL: Benchmarking YEAR ENDING: 12/19/2014 DEADLINE: 12/29/2014

Edit Columns

	ID	STATUS	ADDRESS 1	NAME	YEAR BUILT		CITY	POSTAL CODE	FLOOR AREA FT ²	
	ID	Status	Address 1	Name	Min	Max	City	Postal Code	Min	Max
<input type="checkbox"/>	1034332	Compliant	1550 M St. NW	American Chemical Society - 1550 Building	1987		Washington	20036		84,886
<input type="checkbox"/>	1229780	Non-Compliant	1300 L Street, NW	1300 L Street	1986		Washington	20005		78,549
<input type="checkbox"/>	1419693	Need info	1800 K Street, NW	1800 K Street	1969		Washington	20006		224,864
<input type="checkbox"/>	1423975	Exempt	1666 K St NW	1666 K St NW	1971		Washington	20006		416,062
<input type="checkbox"/>	1431050	Compliant	1707 L Street, NW	1707 L Street	1960		Washington	20036		109,926
<input type="checkbox"/>	1431261	Compliant	1828 L Street Street, NW	1828 L Street Associates	1965		Washington	20036		332,928
<input type="checkbox"/>	1486998	Compliant	1220 L Street, NW	1220 L Street	1983		Washington	20005		365,115
<input type="checkbox"/>	1495502	Compliant	1620 I St, NW	1620 Eye, LLC	1971		Washington	20006		154,338
<input type="checkbox"/>	1496039	Compliant	2021 K St, NW	2021 K Street, NW	1972		Washington	20006		220,871
<input type="checkbox"/>	1567527	Compliant	1310 G Street, NW	1310 G Street	1991		Washington	20005		179,336

Display: 10 buildings

Showing 1 to 10 of 18 buildings

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Feedback

We are committed to supporting your work with SEED Beta Module 1 in the most responsive way we can.

We invite you to join the SEED online support chat room, sit in and speak up with your questions and feedback on the software.

To better foster collaboration between regions you will be able to see the conversations of your colleagues in other cities and even ping them directly!






If you prefer to use telephone for a particular issue you can reach Erik Larson at 503-505-0574, or email him directly at erik.larson@buildingenergy.com.


Please bear in mind that Building Energy is located in the Pacific time zone.


Join the SEED chat room


Join the SEED chat room to connect directly with Building Energy's development and support team, IMT, LBNL and also interact with other users!

Slides from Release 1 >>



SEED PLATFORM


Search








Getting Started




The Standard Energy Efficiency Data (SEED) platform is a software tool that provides a standardized format for collecting, storing and analyzing building energy performance information about large portfolios. Upload your buildings list to get started.

Upload Data



To get started, click Upload Data to bring in your city data.



**SEED PLATFORM**

[< Data](#)**Upload Data**

STEP 1: NAME YOUR DATASET

STEP 2: ADD YOUR FILES

Upload a file

All Your Files






SIZE: 0.1KB

STATUS: Adding

Next

Give your dataset a name, then click Upload a file.

* Note: for this first beta module we are supporting csv file formats only. If you have an xls/xlsx file you can convert to csv in Excel.



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[< Data](#)

Upload Data

STEP 1: NAME YOUR DATASET

Seattle Covered Bldg List

STEP 2: ADD YOUR FILES

Upload a file

All Your Files

SIZE: 43.2KB

STATUS: Complete

EBR-Phase1-10.02.12.csv

SIZE: 43.2KB

STATUS: Complete

Next

Once your file is loaded click Next to begin mapping and cleaning the data to SEED.

SEED PLATFORM

Search

< Data Sets

Worksheet

FILENAME		COLUMNS	ROWS	MAPPING		CLEANING		READY TO MERGE
				to do	done	to do	done	
EBR-Phase1-10.02.12.csv		4	825	5	0	35.4% Analyzed		

Add more files

Merge Dataset

Here is the mapping and cleaning worksheet.

- ▶ Background tasks are checking your source data and attempting to map it to the SEED data structure.
- ▶ If there are data that SEED cannot automatically map or clean it will bubble-up under “to do.” (in this example, 5 items under Mapping in the blue circle)
- ▶ You can click through to make those decisions.

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Worksheet

Mapping (EBR-Phase1-10.02....)

No columns are mapped to source_facility_id.

FIELD MAPPINGS

	IMPORT	TABLE	FIELD	← CONFIDENCE →
1	<input checked="" type="checkbox"/>	AssessedBuilding	✓	Unmapped
2	<input checked="" type="checkbox"/>		address_city	Unmapped
3	<input checked="" type="checkbox"/>		address_city_state	Unmapped
4	<input checked="" type="checkbox"/>		address_line_1	Unmapped
			address_line_2	Unmapped
			address_number_from	Unmapped
			address_number_to	Unmapped
			address_state	Unmapped
			address_street_name	Unmapped
			address_street_type	
			block	
			boro	
			borough	
			building_count	
			gross_floor_area	
			name	
			owner_name	
			postal_code	
			property_type	
			source_facility_id	
			use_description	
			ward	
			year_built	



SOURCE DATA

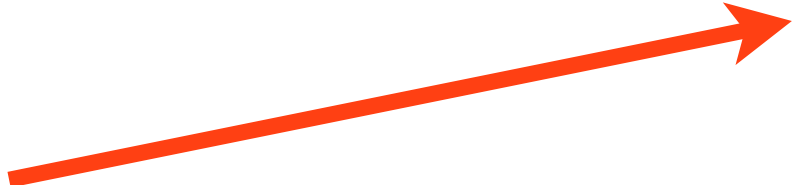
SPREADSHEET HEADER	ROW 1	ROW 2	ROW 3	ROW 4
Source Facility ID	1	2	3	4
BUILDING NAME	MAYFLOWER PARK HOTEL	PARAMOUNT HOTEL	WESTIN HOTEL	WESTIN HO
BUILDING ADDRESS	405 OLIVE WAY	724 PINE ST	1900 5TH AVE	1900 5TH A
GROSS FLOOR AREA (SF)	88434	103566	377813	419900

Data to be mapped is highlighted in red.

- ▶ Pick AssessedBuilding from the Table column, then select which field the source data should map to.
- ▶ Be sure to check the full data list to make sure SEED auto-mapped fields make sense.
- ▶ When finished click back to Worksheet.

Worksheet

		COLUMNS	ROWS	MAPPING		CLEANING		READY TO MERGE
				to do	done	to do	done	
v2_March2013_expanded.csv	 	17	1,601	✓	17	✓	1587	✓

 Merge Dataset

Once you've mapped and cleaned everything you can click Merge Dataset to begin bringing data into SEED.