



ReP WER PVD Creating Buildings of the Future

Leading by Example

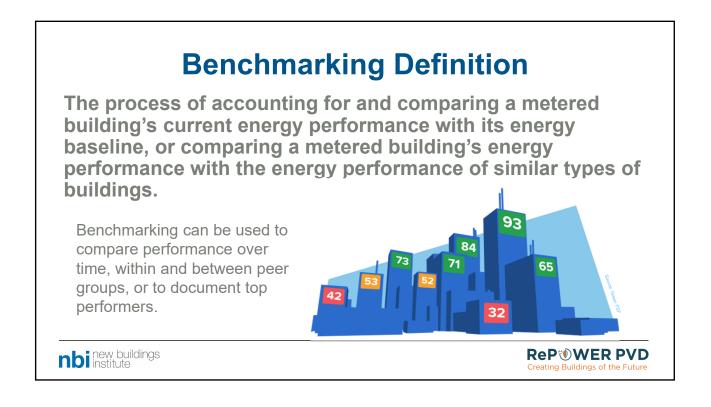


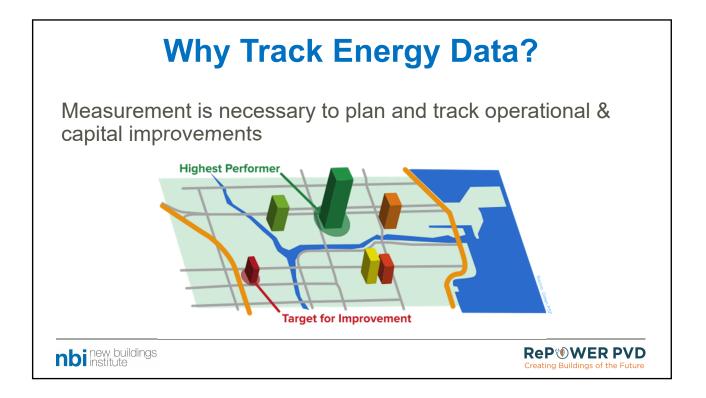
Leadership in high performing public buildings can advance carbon reduction in private buildings by illustrating feasibility and inspiring healthy competition, further actualizing climate action goals.

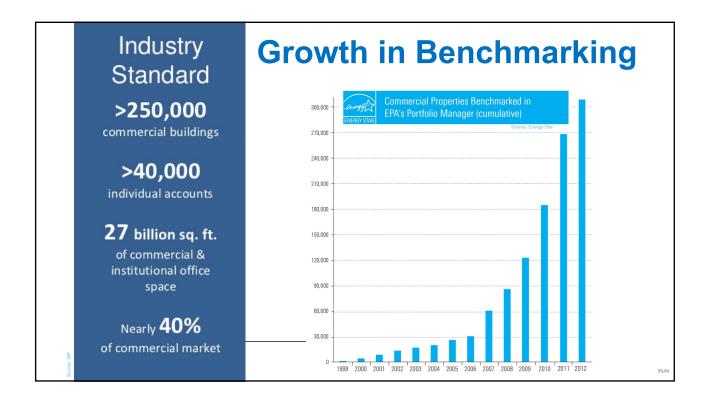
nbi new buildings

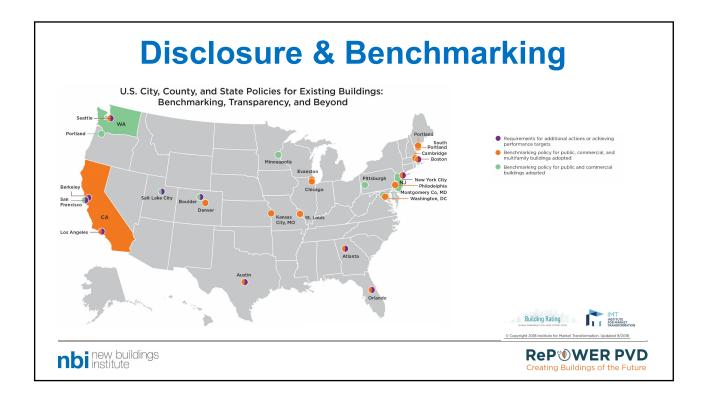


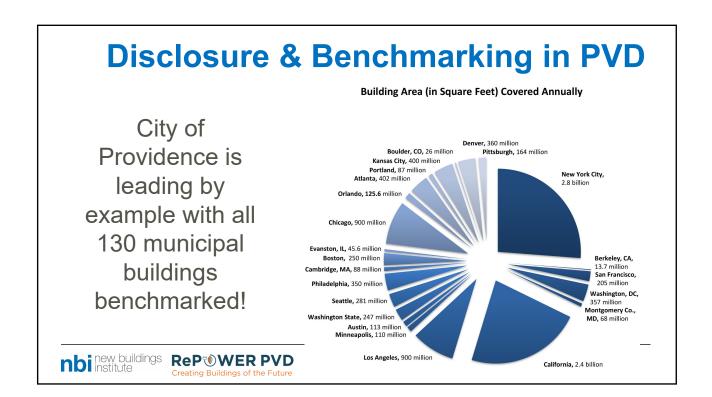


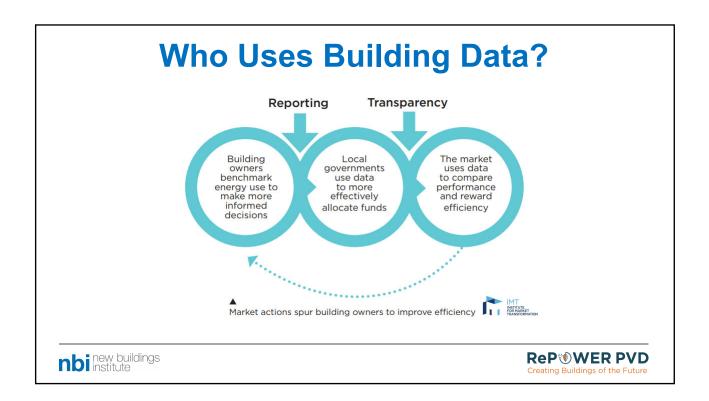




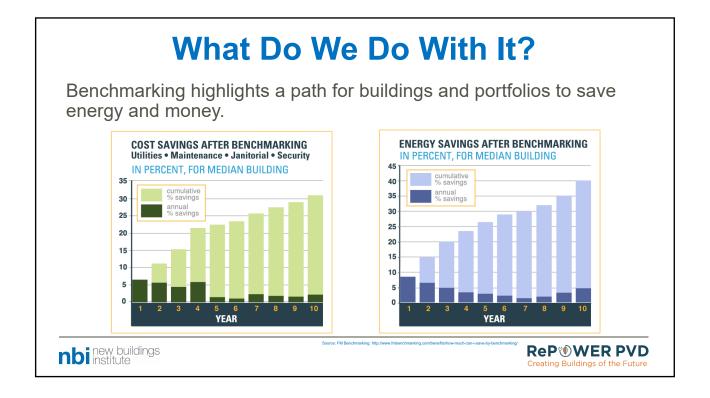


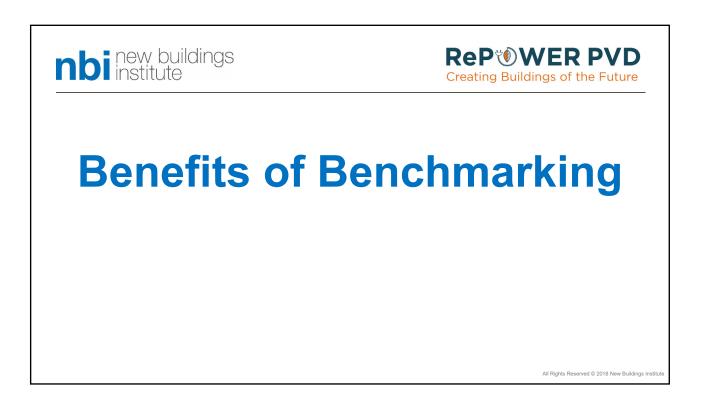


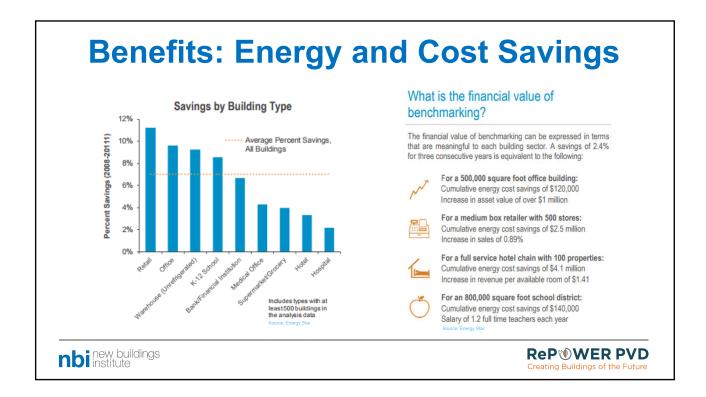




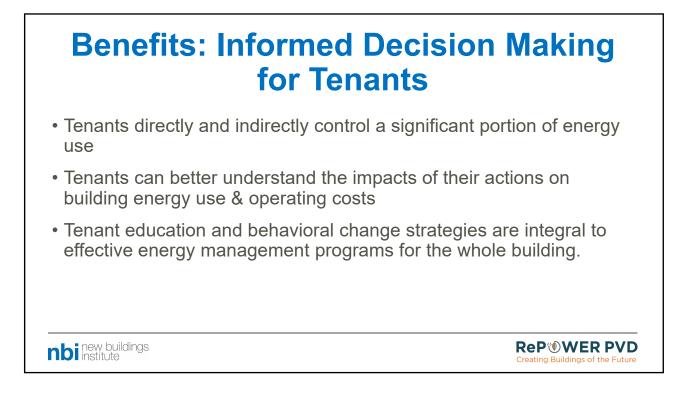


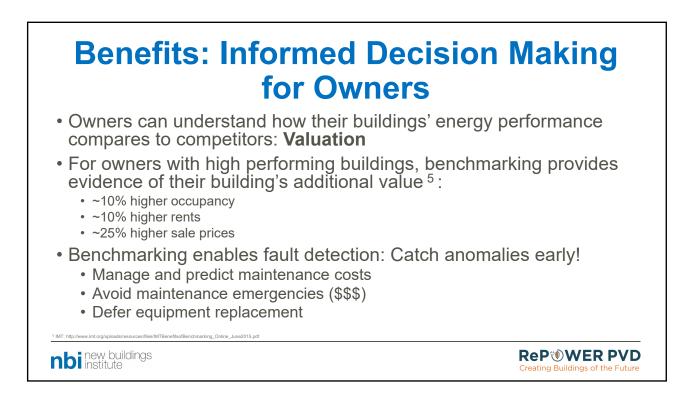






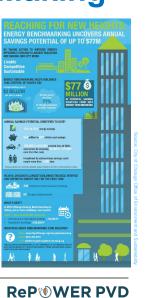






Benefits: Informed Decision Making for Portfolio Holders

- Portfolio holders can use energy use metrics to rank their building against others in their portfolio, allowing prioritization of energy efficiency investments
- Portfolio holders can use metrics as the basis of an energy management plan to drive continuous performance improvement
- Policy makers can track markets that need the most assistance to reduce overall consumption across all markets

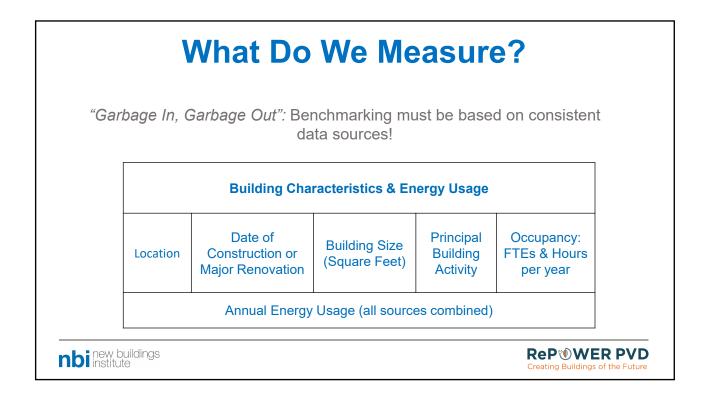


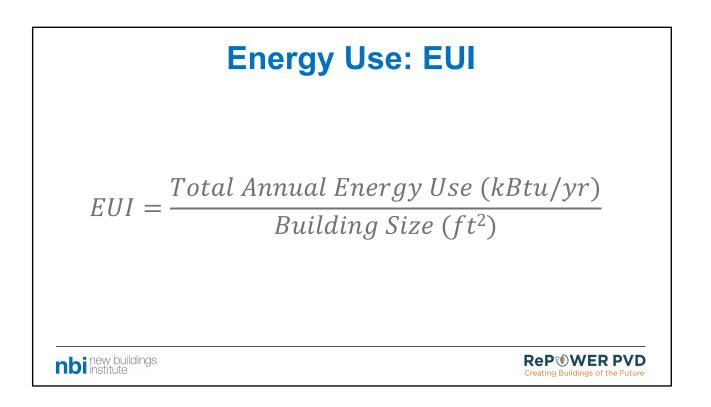
nbi new buildings

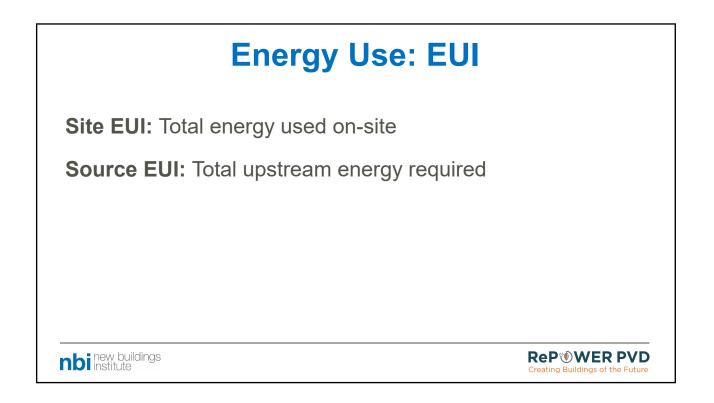
nbi new buildings institute

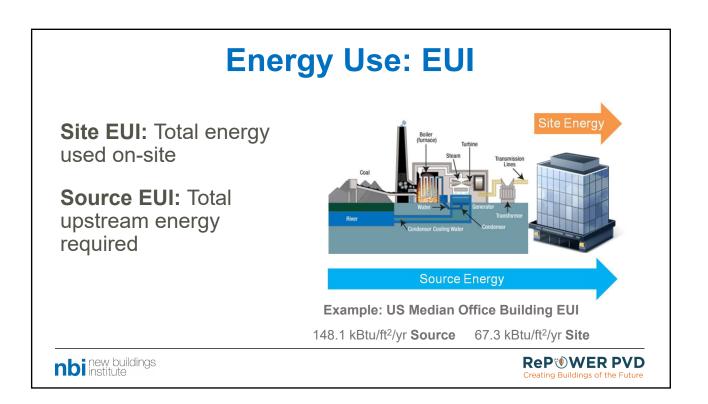


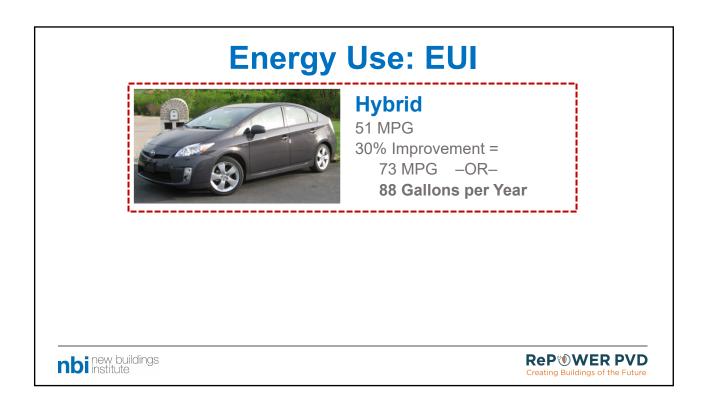
Understanding Energy Use in Buildings

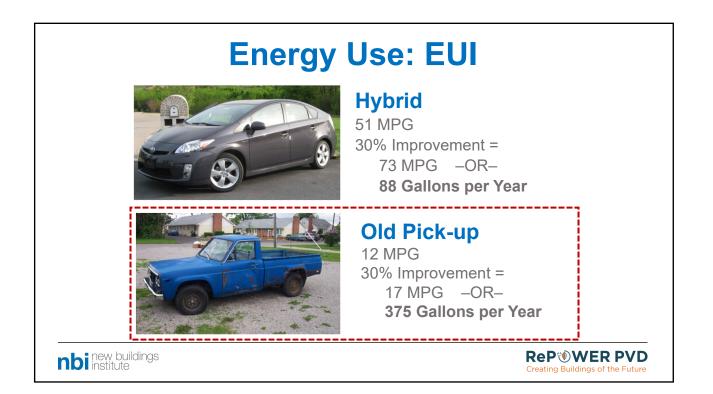


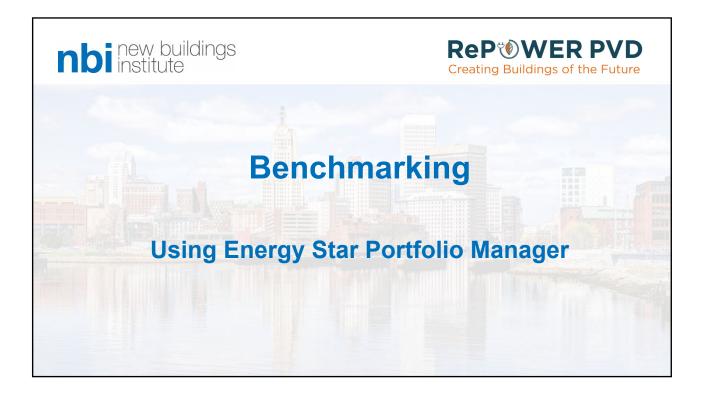


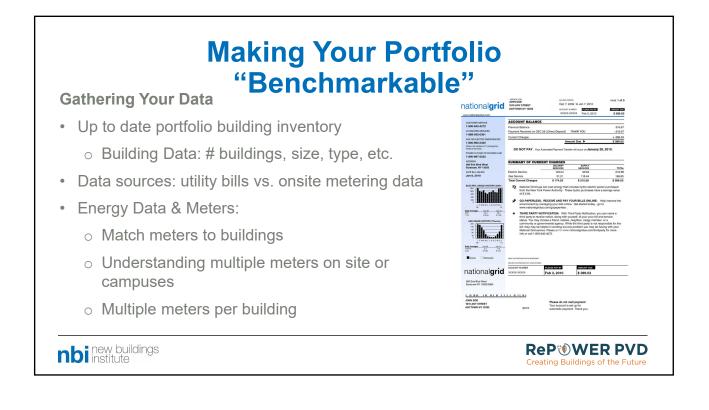


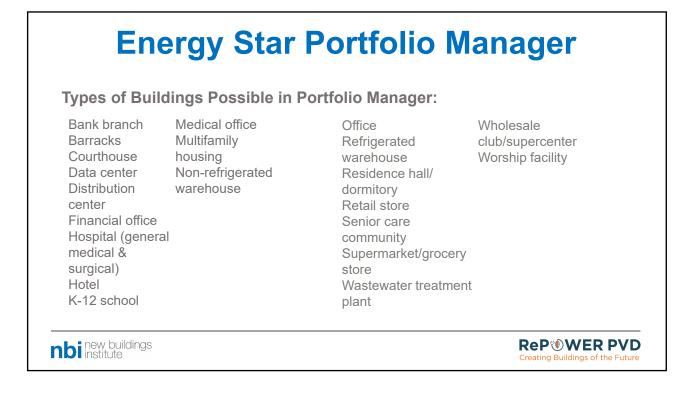


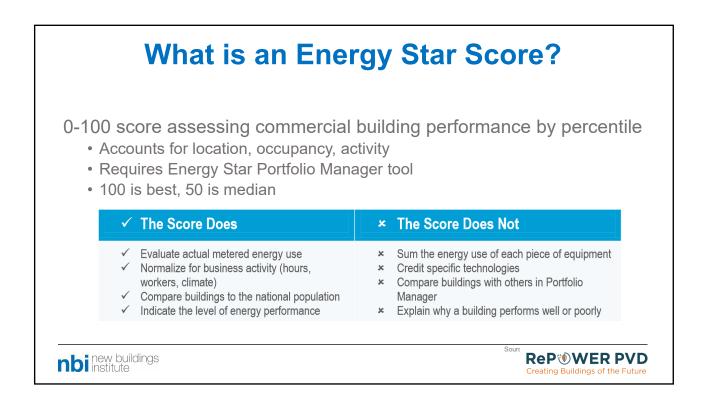


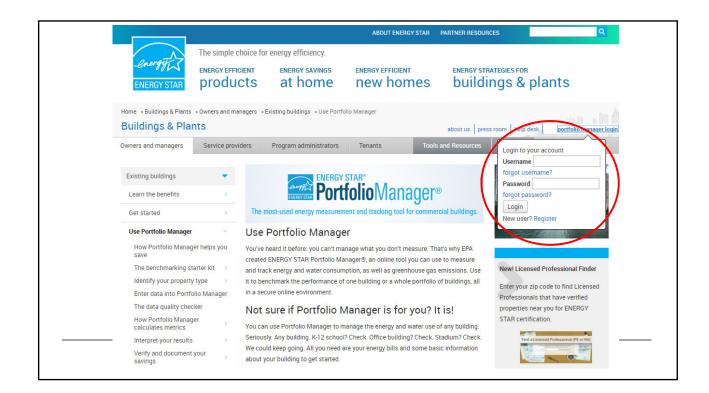




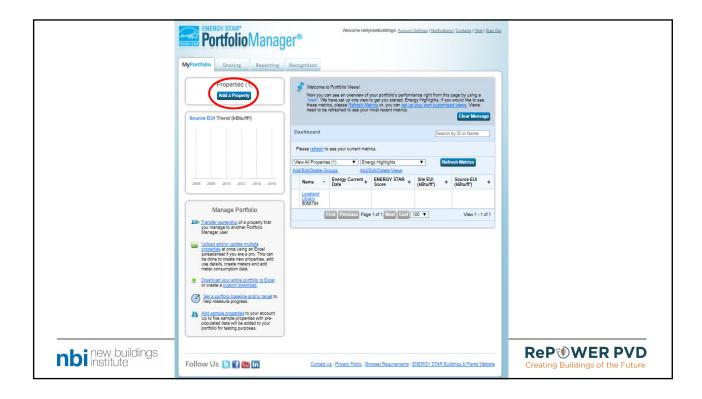








Accessing Your A	ccount	City/Municipality:
Username:	*	State/Province:
Password:	Create a password that is at least 8 characters long and includes at least three of the following: lowercase letters, numbers and/or special characters (but as 1, 4, %, e.g.)	Postal Code:
Confirm Password:	*	About Your Organization
		Organization Name:
About Yourself		Primary Business or Service * Select Primary Business or Service
First Name:		Is your organization an 🔘 Yes
Last Name:	*	ENERGY STAR Partner?
Job Title:	•	Searchability in Portfolio Manager
Email:	*	Can other people
Confirm Email:	Note: We never share your email address with third parties.	search for you and send you a conscion request?
Phone:	•	
Country:	* Select Country	Confirm Your Identity
Language:	English	Please confirm that you are a human Immot a robot
Reporting Units:	Conventional EPA Units (e.g., kBtu/ft²) Metric Units (e.g., GJ/m²)	i BUART I URA Printago-Taema



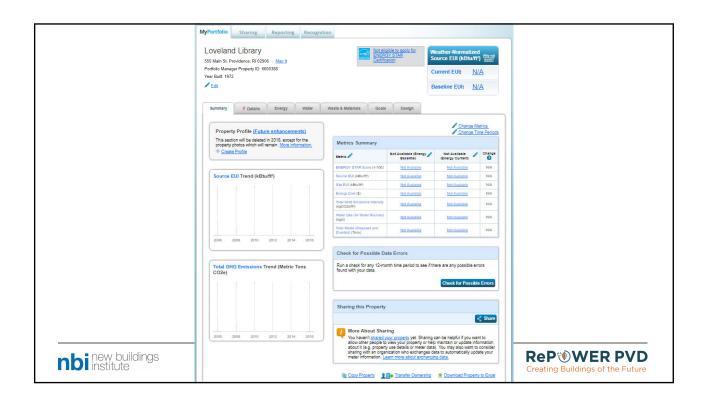


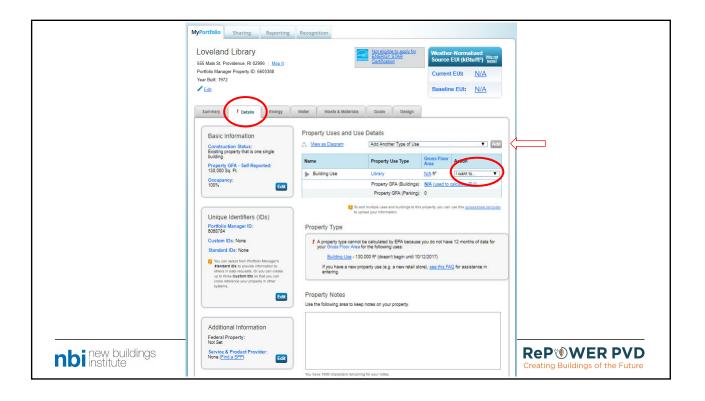
Set up a	a Property: Let's Get Started!	
buildings. Since	me in all shapes and sizes, from a leased space in a large office building, to a K-12 school with a pool, to a ce there are so many choices. Portfolio Manager can walk you through getting your property up and running ng your energy usage and pursue recognition!	
-ACME- BANK POPP	Your Property Type We'll get into the details later. For now, overall, what main purpose does your property serve? Library Learn more about Property Types.	Tip To set up a property, you'll need information such as gross floor area and operating hours.
1 3	Your Property's Buildings How many physical buildings do you consider part of your property? None: My property is part of a building One: My property is a single building More than One: My property includes multiple buildings (<u>Campus Guidance</u>) How many?	Tip Not sure what kind of property you are? Because we focus on whole building benchmarking, you want to select the property type that best reflects the activity in the majority of your building. Dor? tworry if you have other tenants with different business types, just select the main activity.
	Your Property's Construction Status Is your property already built or are you entering this property as a construction project that has not yet been completed? Bisting: My property is built, occupied and/or being used. I will be using Portfolio Manager to track energy/water consumption and, perhaps, pursue recognition. Design Project. My property is in the conceptual design phase (pre-construction); I will be using Portfolio Manager to evaluate the energy efficiency of the design project. Test Property: This is not a real property. I am entering it to test features, or for other purposes such as training. Construction	Test Properties You may want to enter a property into Portfolio Manager that isn't actually a "test" property, either to familiarize yourself with features or maybe to train other property. we can give the option of including this property in your portfolio- level metrics, charts and table or nod, depending what your meeds are. This can be configured on your <u>Account</u> <u>Externa</u> .
nbi new buildings institute		ReP WER PVD Creating Buildings of the Future

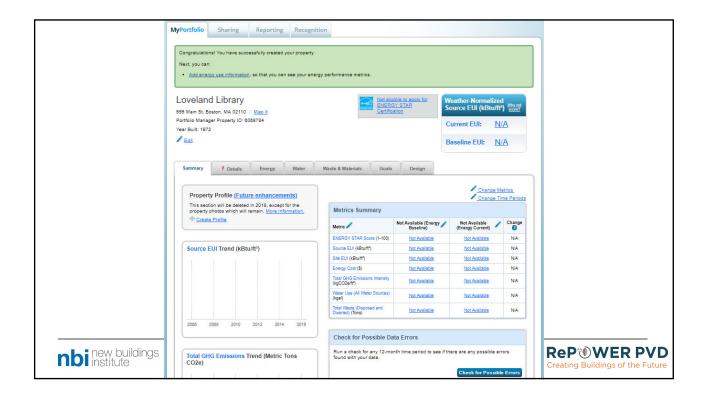
		: Basic Property Information property, including a name that you will use to look up your property and its address.		
	About Your Property			
	Name:	* Loveland Library		
	Country:	* United States •		
	Street Address:	* 555 Main St		
	City/Municipality:	Providence		
	State/Province:	Rhode Island		
	Postal Code:	02906		
	Year Built:	* 1972		
	Gross Floor Area:	■ Gross Floor Area (GFA) is the total property floor area, measured from the principal exterior surfaces of the building(s). Do not include parking. <u>Details on what to include</u> .		
	Irrigated Area:	Sq. Ft. •	Yo	ou will need to include
	Occupancy:	* 100 • %	se	rking if it is not parately metered – if the rking is separately
	Do any of these apply My property's energy co	/? sumption includes parking areas	yo	etered we recommend u enter this as a separate operty.
nbi new buildings institute	Back	Continue		ReP WER PVD Creating Buildings of the Future

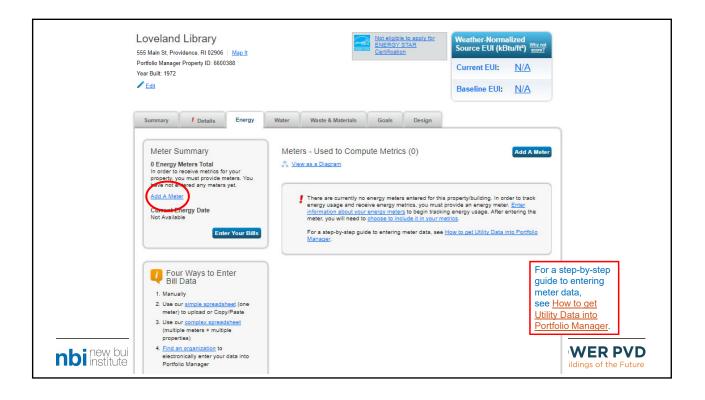
Basi	ic Information							
Name	ie:	Loveland Library	C	Country:	US			
Prope	perty Type:	Library	А	Address:	555 Main St	🚺 Мар	<u>it</u>	
Year	Built:	1972			Providence, RI 02	306		
Prope	perty consists of:	1 building						
							Edit	
								J
								1
Library	ilding Use <u>Edit N</u> refers to buildings use	ed to store and manage collec	ions of literary and artis	Add Another 1		papers, films, i	▼ Add	
Library used for Gross F used by	r refers to buildings use or reference or lending Floor Area should incli y staff, lobbies, confer	ed to store and manage collec - lude all space within the buildin rence rooms and auditoriums, t	g(s), including circulation in the second	stic materials such as boo	oks, periodicals, news reading/study rooms, and elevator shafts.	administrative	to. that can be space, kitchens Temporary	
Library used for Gross F used by Pro	refers to buildings use or reference or lending Floor Area should incli y staff, lobbies, confer operty Use Detail	ed to store and manage collec - lude all space within the buildin rence rooms and auditoriums, t	g(s), including circulatic itness areas for staff, st Value	stic materials such as boo on rooms, storage areas, torage areas, stairways, a	sks, periodicals, news reading/study rooms, and elevator shafts.	administrative It As Of	etc. that can be space, kitchens Temporary Value	
Library used for Gross F used by Pro	refers to buildings us or reference or lending Floor Area should incli y staff, lobbies, confer operty Use Detail Gross Floor Area	ed to store and manage collec - ude all space within the buildir rence rooms and auditoriums,	g(s), including circulati itness areas for staff, st Value	stic materials such as boo	oks, periodicals, news reading/study rooms, and elevator shafts.	administrative It As Of	to. that can be space, kitchens Temporary	
Library used for Gross F used by Pro	r refers to buildings us: or reference or lending Floor Area should incli y staff, lobbies, confer operty Use Detail Gross Floor Area Weekly Operatin	ed to store and manage collect.	g(s), including circulatic timess areas for staff, st Value	stic materials such as boo on rooms, storage areas, torage areas, stairways, a	sks, periodicals, news reading/study rooms, and elevator shafts.	administrative It As Of 2017	etc. that can be space, kitchens Temporary Value	
Library used for Gross F used by Pro	r refers to buildings us: or reference or lending Floor Area should incli y staff, lobbies, confer operty Use Detail Gross Floor Area Weekly Operatin	ed to store and manage collec 	g(s), including circulatic timess areas for staff, st Value	stic materials such as boo on rooms, storage areas, torage areas, stairways, a	reading/study rooms, and elevator shafts. 10/12	administrative It As Of 2017 IIII 72 IIIII	tto, that can be space, kitchens Temporary Value	

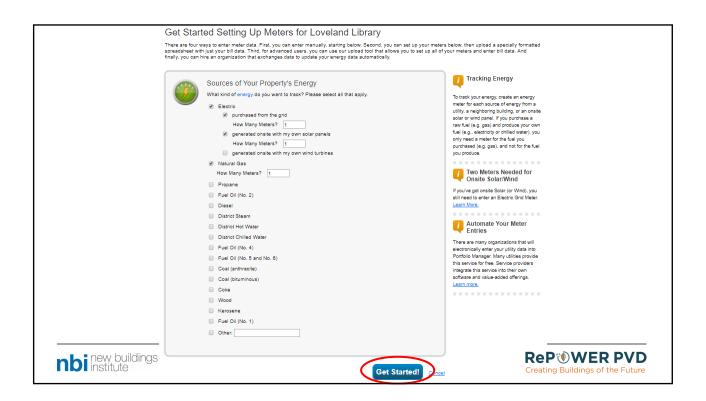
E C	g 🖯 🎝 🖓						Add_Pre	operties_en (3)) - Excel				
	FILE HOME	INSERT PAGE L	LAYOUT FOR	RMULAS DATA	REVIEW	VIEW DEVEL	OPER A	CROBAT					
	Cut Paste ↓ Format Pai	inter		<u>A</u> • = = =	€ € Ē	Wrap Text			Formatting - Table - St	Cell Insert D tyles * *	elete Format	Fill * Clear *	Sort & Fil Filter * Se
	Clipboard	6	Font	5	Alignment	t I	a Nu	imber	rs Styles	0	Cells	Editir	ıg
1	42 * :	$\times \checkmark f_x$											
	A A	в	с	D	E	F	G	н	1	J	к	L	М
1	Property Name (Required)	Street Address (Required)	Street Address 2 (Optional)	City/Municipality (Required)	State/Province (Required for US or Canada)	Other State/Province (Required for Non- US-or-Canada)	Postal Code (Required)		Year Built/Year Planned for Construction Completion (Required)	Primary Function (Required)	Construction Status (Required)	Gross Floor Area ((Required) (I	iFA Units Required)
3 4 5 6 7 8	Property must be												
9	1		_										
Batch up tricky! Pa details ar	y attentio	on to	s.										
tricky! Pa details ar	ay attention and read in	on to	S.										
tricky! Pa details ar	ay attention and read in	on to	s.										
tricky! Pa details ar	ay attention and read in	on to	s.										
tricky! Pa details ar	ay attention and read in	on to	S.										
tricky! Pa details ar	ay attention and read in	on to	S.										
tricky! Pa details ar	ay attention and read ir	on to	S.										
tricky! Pa details ar	ay attention and read in	on to	s.										
tricky! Pa details ar	ay attention and read in	on to	S.										
tricky! Pa details ar	ay attention and read ir	on to	S.										
tricky! Pa details ar	ay attention and read ir	on to	S.										
tricky! Pa details ar	ay attention and read in	on to	S.										
tricky! Pa details ar	ay attentic	on to	S.										
tricky! Pa details ar	ay attentic	on to	s.										
tricky! Pa details ar details ar 19 22 22 23 24 25 24 25 26 27 26 27 26 27 26 27 26 27 26 27 26 27 26 29 26 29 20 31 32 20 31 32 32 32 32 32 32 32 32 32 32 32 32 32	ay attentic	on to	S.										
tricky! Pa details an lease details an lease details an lease details	ay attentic	on to	S.										
tricky! Pa details ar details ar details ar details ar details	ay attentic	on to	S.										

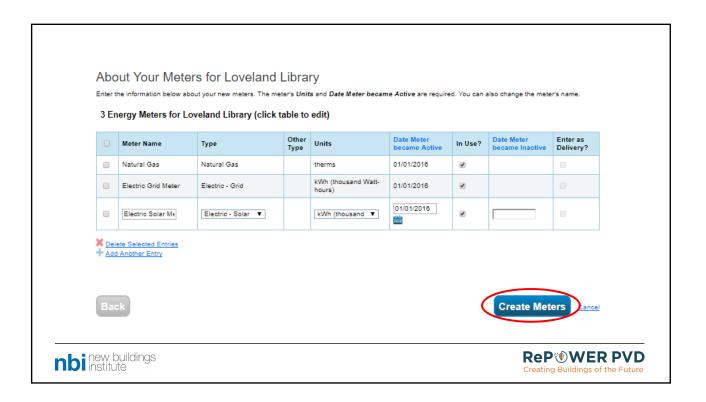












		land Library			
V N	atural Gas				
	Start Date	End Date	Usage therms	Total Cost (\$)	Estimation
Clic	k to add an entry				
	Jpload data in bulk for You can copy/paste into the tal FAQ), or upload an Excel spre spreadsheet template.	ble above (instructions in this			
► EI	Choose File No file chose ectric Grid Meter	sen Upload			
-	Choose File No file chos	sen Upload			

Your Property is: Edit A Single Building Part of a Building A Campus of Multiple Buildings You Are Tracking: Edit	Loveland Library 555 Main St, Providence, RI 02906 Map II Portfolio Manager Property ID: 6066784 Year Built: 1972		Not eligible to ap ENERGY STAR Certification			
You Are Tracking: Edit Total energy consumption for your property Partial energy consumption for your property Utility & Weather	Summary / Details Energy N Meter Summary 3 Energy Meters Total 3 - Used to Compute Metrics	Water Waste & Materials Meters - Used to Com <u>Change Meter Selections</u> <u>View as a Diagram</u>		sign	Add A Meter	
Electric Distribution Utility (EDU): The Narragansett Electric Co Regional Power Grid: NEWE (New England) Weather Station: PROVDENCE/GREEN ST (725070)	Add A Meter Current Energy Date Not Available Enter Your Bills	Name Meter ID * Electric Grid Meter 34225131 Electric Solar Meter 34225132	Energy Type + Electric - Grid Electric - Solar	Most Recent Bill Date	In Use? (Inactive Date) + Yes Yes	
Vour electric distribution utility (EDU) and eventher electrons affect the calculation of your energy metrics. Edit	Four Ways to Enter Bill Data 1. Manually 2. Use our <u>imple spreadsheet</u> (one meter) to upload or Copy/Paste	Natural Gas 34225130	Natural Gas	🔀 Downl	Yes	
bi new buildings	Use our <u>complex spreadsheet</u> (multiple meters + multiple properties) Find an <u>organization</u> to electronically enter your data into Portfolio Manager				WERP g Buildings of the l	

	Mar	nage Bills (Meter	Entri	es) for <u>Lo</u>	velan	d Library								
	Meter	r Selection: Electri	Grid Mete	er - 34225	131 *	>									
	•	Basic Meter Inf	ormatio	n											
	•	Monthly Entrie	5										mont data	that you need 12 hs of consecutiv to generate	е
								Display Ye	ear(s):	Show All Ye	ears x		perfo	rmance metrics.	
			End Date	Usage kWh (tho hours)	usand Watt-	Total Co (\$)	st Estimatio	n Green Power	Dema (kW)	nd De (\$)	emand Cost)	Last Updated			
		Click to add an entry Delete Selected E Add Another Entry Learn how to copy	ntries												
								Display Y	/ear(s):	Show All	Years x				
Make sure that there are no		Start Date	End Dat	e	Usage kWh (thousand hours)	Watt-	Total Cost (\$)	Estimation	Green Power	Demand (kW)	Demand Cost (\$)	Last Up	dated		
overlaps or gaps in		1/1/2016	1/31/201	16	134,437		10,355.00								
your start and end dates.		1/31/2016	2/29/201	6	118,237		9,264.00								
	Ad	elete Selected Entrie Id Another Entry arn how to copy/pas										Save	Bills		

You can copy/paste into the to or upload an Excel spreadsh template. Choose File No file cho	eet using our simple <u>spreadsheet</u>						
या 🔒 ५० ०० व			MeterConsumptionData	aSpreadsheet_metered_gridPu	ırchase_en - Excel		
FILE HOME IN:	SERT PAGE LAYOUT F	ORMULAS DATA REVIE	W VIEW DEVELO	OPER ACROBAT			
Paste	Calibri • 11 • B I U • I •	$\begin{array}{c c} A^* & A^* \end{array} \equiv \equiv \equiv & \bigotimes \cdot \\ \bullet & A^* \end{array} \equiv \equiv \equiv & \overleftarrow{\bullet} \end{array}$	🔐 Wrap Text	General ▼ \$ • % • • • • • • • • • • • • • • • • •	Conditional Format as Cell Formatting + Table + Styles +	Insert Delete	Format ▼ Clear ▼
Clipboard 🕞	Font	5 Align	iment G	Number G	Styles	Cells	E
A1 • : >	В	e (Required) C	D	E	F		G
1 Start Date (Require	d) End Date (Required)		Cost (Optional)	Estimation (Required)	Demand (Optional)	Demand	Cost (Optional)
2 2/29/2016 3 3/31/2016 Start Da		127760	\$10,184.00	No			
I ne star	t date is the date of the	134903 148026	\$10,526.00 \$11,412.00	No No			
5 5/31/2016 first day	of the billing cycle.	140020	\$13,780.00	No			
	er DD-MM-YYYY or	178913	\$14,250.00	No			•
	-YYYY, to match your	185187	\$15,930.00	No	Note that there	e are	
8 8/31/2016 Operatin	ng System's date	157600	\$12,210.00	No	different versio	one of the	
		142406	\$10,496.00	No			
9 9/30/2016 setting.	1113012010	130840	\$9,936.00	No	template for ea	ach fuei	
9 9/30/2016 10 10/31/2016	12/31/2016	132172	\$9,537.00	No	type.		
10 10/31/2016 11 11/30/2016	12/31/2010	134437	\$10.355.00	No			-
9 9/30/2016 10 10/31/2016 11 11/30/2016 12 12/31/2016	1/31/2017						
9 9/30/2016 9 10 10/31/2016 11 11 11/30/2016 12 12 12/31/2016 13 1/3 1/31/2017 1/31/2017	1/31/2017 2/28/2017	118757	\$9,121.00	No			
3 3/30/2016 10 10/31/2016 11 11/30/2016 12 12/31/2016 13 1/31/2017 14 2/28/2017	1/31/2017 2/28/2017 3/31/2017	118757 135133	\$10,368.00	No			
3 93/2016 2 10 10/31/2016 1 11 11/30/2016 1 12 12/31/2016 1 13 1/31/2017 1 14 2/28/2017 1 15 3/31/2017	1/31/2017 2/28/2017 3/31/2017 4/30/2017	118757 135133 134093	\$10,368.00 \$10,287.00	No No			
9 93/2016 2 10 10/31/2016 1 11 11/30/2016 1 12 12/31/2016 1 13 1/31/2017 1 14 2/28/2017 1 15 3/31/2017 1 16 4/30/2017 1	1/31/2017 2/28/2017 3/31/2017 4/30/2017 5/31/2017	118757 135133 134093 151377	\$10,368.00 \$10,287.00 \$11,393.00	No No No			
9 9/30/2016 10 10/31/2016 11 11/30/2016 12 12/31/2016 13 1/31/2017 14 2/28/2017 15 3/31/2017 16 4/30/2017 17 5/31/2017	1/31/2017 2/28/2017 3/31/2017 4/30/2017 5/31/2017 6/30/2017	118757 135133 134093 151377 176770	\$10,368.00 \$10,287.00 \$11,393.00 \$13,477.00	No No No No			
9 93/2016 2 10 10/31/2016 1 11 11/30/2016 1 12 12/31/2016 1 13 1/31/2017 1 14 2/28/2017 1 15 3/31/2017 1 16 4/30/2017 1	1/31/2017 2/28/2017 3/31/2017 4/30/2017 5/31/2017	118757 135133 134093 151377	\$10,368.00 \$10,287.00 \$11,393.00	No No No			

