

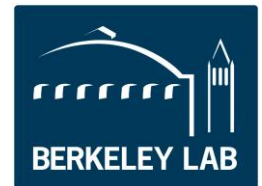


eProjectBuilder

Energy Project Data at Your Fingertips

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy





eProject Builder (ePB) Overview

- Secure, web-based project tracking/reporting system
- Free tool maintained by LBNL for U.S. DOE
- ePB enables ESCOs and their customers to securely:
 - Preserve and track project information including Measurement & Verification data in perpetuity
 - Develop project scenarios using standardized calculations
 - Generate data and reports on portfolios of projects
 - Benchmark proposed projects against historical ones
- **Status: contains >1,500 projects across all markets** (as of 12/20)
 - ~ 32% federal, ~ 62% state/local/educational/public housing and 6% commercial/other
 - Total investment of \$11.6 billion and total guaranteed savings of \$20.7 billion.



The Power of Data Management

- Institutionalizes ability to report program & project impacts; enables you being *audit-ready*
- Demonstrates the *value* of projects and programs
- Enables fulfilment of reporting requirements
- Identifies where work has been completed and where remaining potential exists
- Tracks M&V and persistence validation for the full term of the agreement
- Identifies persistence of achieved savings year over year
- Illustrates that benefits are being achieved in similar projects (by folks just like you)



ePB Benefits

- **Enables users** to leverage the power of data management
- **Standardizes energy project data** collection and reporting – across markets, ESCOs and regions
- **Preserves customers' critical data** through the contract term and beyond
- **Enables robust analysis and reporting** of project/program performance
- **Empowers customers** by providing them access to data for their portfolio of projects



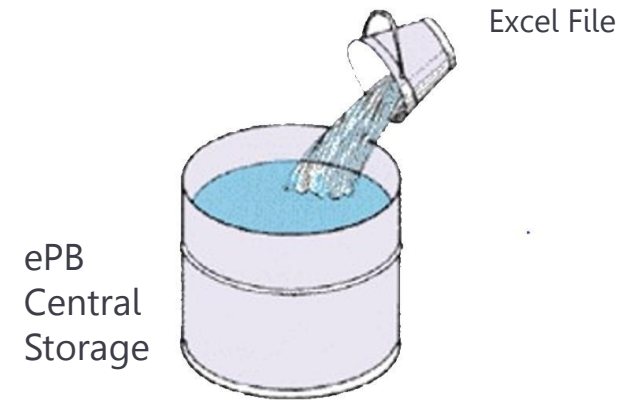
ePB Components and Security

- **Two System Components**

- Excel-based data template for ESCO to enter data and develop project scenarios
- Online system where data and documents are uploaded, accessed and tracked

- **Security Features**

- Encrypted protocol (https)
- Two-step log-in similar to high-security e-commerce sites
- Project access restricted to one ESCO and one customer account
- Zero risk score via 2 levels of vulnerability testing/remediation
 - National lab IT security scans
 - 3rd-party scans from gov't. cyber security expert





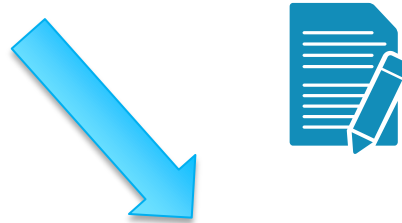
ePB Roles

Customer "Project Initiator"



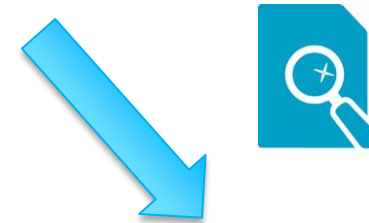
- Registers (individually, not by organization)
- Initiates project (takes less than 1 minute)
- Reviews project data
- Approves submitted project
- Unlocks project for revision, if necessary
- Invites Project Viewer(s)

ESCO "Project Builder"



- Registers (individually, or by company)
- Enters project data
- Reviews project data with customer
- Submits project for approval
- Revises project data, if necessary
- Invites Project Viewer(s)

Other Stakeholder "Project Viewer"



- Registers
- Views project information, only when invited



Log In



Project Statistics ▾

Help/Documentation

About



eProjectBuilder

eProject Builder (ePB) is a secure, web-based data management platform that allows customers and ESCOs to preserve, track and report information for their portfolio of energy projects. Read about the benefits of ePB below.



Welcome to eProject Builder

Email *
hstratton@lbl.gov

Password *
.....

[Forgot Password?](#)

New to eProject Builder? [Request an Account?](#)

This free system was developed and is maintained by Lawrence Berkeley National Laboratory on behalf of the U.S. Department of Energy.

<https://eprojectbuilder.lbl.gov>



Registration Page

The registration page is divided into several sections:

- Contact Information:** Includes fields for First Name, Last Name, Title, Organization, Address, City, Country (dropdown), Zip, Office Email Address, and Phone Number. Each field has a red border and a red asterisk indicating it is required. Small error messages are present below some fields.
- How will you be using eProject Builder?:** A dropdown menu with the text "Select an option *" and a red border.
- Would you like to attend upcoming training webinars?:** A dropdown menu with "Yes" selected, a red border, and a list of two webinar options with "Register" links.
- How did you hear about eProject Builder?:** A dropdown menu with "Select an option *" and a red border.
- Accounts Requested *:** Two toggle switches: "ePB main site - to enter real project data" and "ePB training site - to explore the tool and enter test data".
- Market Segment(s) You Work In:** A list of market segments with toggle switches: Federal Government, State/Local Government, Healthcare, K-12 Schools, University/College, Industrial, Commercial (Leased), Commercial (Owner-occupied), Public Housing, Residential, Retail (Leased), Retail (Owner-occupied), Hotel/Hospitality, and Other.

Red arrows point to the "Contact Information" header, the "How will you be using eProject Builder?" dropdown, and the "Accounts Requested *" section.

- Register for account on main site, training site or both <https://eprojectbuilder.lbl.gov/>
- 2nd email is required for training site; user receives both ESCO and customer type roles to explore complete project entry and approval cycle



Log In



Project Statistics ▾

Help/Documentation

About



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→ Login

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Energy Efficiency & Renewable Energy



Lawrence Berkeley National Laboratory





Landing Page – Choose Your Pathway for First-Time Users

After logging into

<https://eprojectbuilder.lbl.gov/>

visitors will be presented with a choice of pathways:

eProjectBuilder
or
eProjectExpress

Choose the eProject Builder path that best meets your needs.

eProject Builder

eProject Builder (ePB) offers a full-featured suite of capabilities for all users.

Best for:

- Full-featured standardized calculations, project- and measure-level data
- Federal IDIQ, ESA, UESC, and direct-funded projects
- Meeting federal reporting requirements
- NAESCO Accreditation Applicants
- US DOE Qualified Provider Applicants

[Visit the ePB Training Page to learn more](#)

[Use eProject Builder](#)

eProject eXpress

NEW eProject eXpress (ePX) is now available for state and local governments and other users.

Best for:

- Public and private sector energy project implementors seeking streamlined functionality
- State and local governments
- Organizations recording energy project data and preserving key documents
- Organizations tracking project and program achievements

[Visit the ePX Training Page to learn more](#)

[Use eProject eXpress](#)

All projects reside in the eProject Builder system. Users can create and access projects under both the ePX and ePB pathways.



Project Initiator Landing (Home) Page

viewing ePB menu



What would you like to do?

- Initiate a New Project
- Manage Existing Projects or Enter Data for New Projects
- Download a Blank Data Template

Quick Links

Create & Manage Projects

- Download ePB Template
- Download ePX Template
- Initiate a New Project
- Manage Projects

View & Generate Reports

- Generate ePB Reports
- Generate ePX Reports

Training Resources

- ePB Training Videos and Webinars
- ePX Training Videos and Webinars



Project Builder Landing (Home) Page

viewing [ePB menu](#)



What would you like to do?

-  [Initiate a New Project](#) ▼
-  [Manage Existing Projects or Enter Data for New Projects](#) ▼
-  [Download a Blank Data Template](#) ▼
-  [NAESCO Accreditation Application](#) ▼
-  [U.S. Department of Energy Qualified List of ESCOs](#) ▼

Quick Links

Create & Manage Projects

- [Download ePB Template](#)
- [Download ePX Template](#)
- [Initiate a New Project](#)
- [Manage Projects](#)

View & Generate Reports

- [Generate ePB Reports](#)
- [Generate ePX Reports](#)

Applications

- [NAESCO Accreditations](#)
- [U.S. DOE Qualified List of ESCOs](#)

Training Resources

- [ePB Training Videos and Webinars](#)
- [ePX Training Videos and Webinars](#)



Portfolio Page

- Portfolio
- Data Export
- New Project
- Download Data Template

of Approved Projects

7

Total Implementation Price

\$ 89,886,960

Total Estimated Annual Savings

\$ 63,165,325

Portfolio

Search for Projects ...

Action	ID	Project Name	Role	Market Segment	Sub-Market	Award/Contract Signing Date	Project Initiator Org	Project Type	Project Builder Org	Total Implementation Price	Total Guaranteed Cost Savings	Status
⋮	2512	Fall Campus #1	PI	University/College			S-energy Solutions LLC	ePX	LBNL	\$2,000,000	\$2,250,000	Approved
⋮	2511	August Campus	PI	State/Local Government	State/local correctional facility		S-energy Solutions LLC	ePX	LBNL	\$2,000,000	\$2,250,000	Approved
⋮	2510	Greensburg Correctional E...	PI	State/Local Government	State/local correctional facility		S-energy Solutions LLC	ePX	LBNL			Pending
⋮	2509	eXpress Campus	PI	K-12 Schools			S-energy Solutions LLC	ePX	LBNL			Pending
⋮	2508	Any City, USA	PI	State/Local Government	Municipality (village, town, ...		S-energy Solutions LLC	ePX	LBNL			Pending
⋮	2501	Corona Campus	PI	State/Local Government	State agency		S-energy Solutions LLC	ePX	Energy Services Coalition	\$5,785,325	\$5,984,522	Approved
⋮	2504	Summer City	PI	State/Local Government	Municipality (village, town, ...		S-energy Solutions LLC	ePX	Energy Services Coalition			Pending
⋮	2499	Swan Campus Project	PI	State/Local Government	State agency	2020-09-30	S-energy Solutions LLC	ePB	Trident Energy	\$13,350,000	\$17,807,805	Approved
⋮	2497	Franklin 1 Campus	PI	State/Local Government	State agency	2020-09-30	S-energy Solutions LLC	ePB	Trident Energy	\$13,350,000	\$17,807,805	Approved
⋮	2492	SPLHC Campus	PI	State/Local Government	State agency	2020-09-30	S-energy Solutions LLC	ePB	Trident Energy	\$13,350,000	\$24,495,066	Approved
⋮	2487	February Campus	PI	K-12 Schools		2020-09-30	S-energy Solutions LLC	ePB	Trident Energy	\$13,350,000	\$17,807,805	Approved
⋮	2481	Agency 14	PI	State/Local Government	State agency	2020-09-30	S-energy Solutions LLC	ePB	Trident Energy	\$13,350,000	\$17,807,805	Pending
⋮	2391	BEST GESPC EVER	PI	State/Local Government		2018-09-15	S-energy Solutions LLC	ePB	Energy Services Coalition	\$10,230,000	\$14,733,949	Pending



Portfolio Page – View Options



Home

Portfolio

Analysis & Reporting

Project Statistics

Applications

Help/Documentation

About

of Approved Projects

3

Total Implementation Price

\$ 51,382,663

Total Estimated Annual Savings

\$ 29,083,067

Portfolio

Export

Search for Projects...

Action	ID	Project Name	Role	Market Segment	Award Date	Project Initiator Org	Project Builder Org	Total Imple
⋮	1002	test 2 uesc	PI-PB	Federal Government	2017-09-30	ESCO-1 Organization	ESCO-1 Organization	
⋮	1001	Liz Test1 July 13	PI-PB	Federal Government	2017-09-30	ESCO-1 Organization	ESCO-1 Organization	
⋮	6	Test Project #6	PB	Healthcare	2017-09-30		P1 ESCO Institution	
⋮	2	Test Project #2	PB	Healthcare	2017-09-30		P1 ESCO Institution	
⋮	1	Test Project #1	PB	Healthcare	2017-09-30		P1 ESCO Institution	
⋮	4	Test Project #4	PB	Healthcare	2017-09-30		P1 ESCO Institution	
⋮	3	Test Project #3	PB	Healthcare	2017-09-30		P1 ESCO Institution	

- = ID
- = Version
- = Project Name
- = Role
- = Market Segment
- = Award Date
- = Project Initiator Org
- = Project Builder Org
- = Total Implementation F
- = Status
- = Agency
- = Total Guaranteed Cos
- = Modified Date
- = MV Status

Columns



Project Dashboard

Portfolio > Corona Campus

Corona Campus

Summary	Project Status	Performance Period	Ann. Est. Savings
ePB ID: 2501 City: OVERLAND PARK State: KS Role: Project Builder Project Type: ePX	<div style="display: flex; justify-content: space-around;">PendingPre-ApprovalApproved</div>	15 Years	\$ 6,395,252

Next Steps

Your project is **approved** and is now available for you to enter M&V data. You may also contact the project PI to unlock the project for modifications.

[Add/Edit M&V Data](#)



Project Dashboard

- Dashboard
- Submit Project
- Download Data Template
- Upload a Data Template
- Edit Project Data
- Schedule Archive
- View Financial Schedules
- Other Project Files
- Manage Participants
- Calculation Type
- Project Version

Portfolio > BEST GESPC EVER

Summary

ePB ID: 2391
 City: Overland Park
 State: KS
 Calculation Type: Non-Calculating
 Version: 1.99
 Role: PB

Project Status

Pending Pre-Approval Approved

Performance Period

14 Years

Ann. Est. Savings

\$ 15,093,554

Manage Documents

[Upload a File](#) 6 Files, 1.5 MB of 500.0 MB

Action	File Name	Owner	Notes	Size	Upload Date
⋮	data-template May 24th 2017 download.xlsx	Dale Haahs		577.4 KB	2020-05-10 2:07 PM
⋮	All facility lighting line by line audit and solutions...	Dale Haahs	lighting audit - Bright Lighting Company	8.0 KB	2020-08-16 3:48 PM
⋮	Commissioning Witness Report.pdf	Dale Haahs		188.2 KB	2020-08-16 3:48 PM
⋮	Project Meeting Minutes.docx	Dale Haahs		11.4 KB	2020-08-16 3:49 PM
⋮	mechanical room.jpg	Dale Haahs	pre-construction picture of mechanical room B-117	11.7 KB	2020-08-20 2:01 PM
⋮	Photo Library.zip	Dale Haahs	Pre-construction photos	740.6 KB	2020-08-21 1:48 PM

.docx .xlsx .mpp .pdf .jpeg .zip



M&V Reports

- Output single year and cumulative project reports

*** Draft: not approved ***

Test IDIQ project - M&V Year 0

ANNUAL PERFORMANCE PERIOD M&V FOR YEAR 0 ANNUAL EXPECTED SAVINGS BY ENERGY CONSERVATION

ECM													Details of Expected Energy and Cost Savings
ECM Number	Short Description	First Year M&V Option	b1n	b2n	c1n	c2n	d1n	d2n	e1an	e2an	e1bn	e2bn	Total energy saving (MMBtu/yr)
			Electric energy savings (kWh/yr)	Electric energy savings (\$/yr)	Electric demand savings (kW/mo)	Electric demand savings (\$/yr)	Natural gas savings (MMBtu/yr)	Natural gas savings (\$/yr)	Other Savings Type 1: Other (MMBtu/yr)	Other Savings Type 1: Other (\$/yr)	Other Savings Type 2: (MMBtu/yr)	Other Savings Type 2: (\$/yr)	
1	Bldgs 20, 30, 40 - ballasts and lamps	Option A	\$140,000			\$25,000							
2	Bldgs 3, 4 - Chillers	Option C	\$128,000			\$12,000							
3	Bldgs 20, 30, 40 - roof and wall insulation	Option C	\$90,000										
4	Site PV array	Option B	\$100,000			\$20,000							
TOTALS:			\$458,000			\$57,000							

IMPORTANT INFORMATION:

- Energy conversion factors for MMBtu:MMBtu=106 Btu; Electricity 0.003413 MMBtu/kWh; Natural Gas 0.1 MMBtu/therm; #2 Heating Oil 0.13859 MMBtu/gal; Gasoline 0. Propane 0.091333 MMBtu/gal
- Demand savings (kW/mo) represent an average kW reduction figure. Demand savings can (and usually do) vary by season and in their conversion rate to dollar savings
- For post installation report, please enter expected year one savings values. For annual report, please enter verified annual savings values.

PERFORMANCE PERIOD M&V SUMMARY GUARANTEED AND VERIFIED COST SAVINGS

Implementation Period (Year 0)	(a)	(b)	(c)	(d)=(c)-(b)	Status
	Estimated Cost Savings	Guaranteed Cost Savings	Verified Cost Savings	Variance in Implementation Period Cost Savings	
	\$350,000	\$350,000	\$350,000	\$0	Approved
Performance Period (Year)	(e)	(f)	(g)	(h)=(g)-(f)	
	Estimated Annual Cost Savings	Guaranteed Annual Cost Savings	Verified Annual Cost Savings	Variance in Annual Cost Savings	
1	\$792,682	\$753,048	\$792,049	\$39,001	Approved
2	\$815,777	\$774,988	\$814,000	\$39,012	Approved
3	\$839,544	\$797,567	\$840,235	\$42,668	Approved
4	\$864,005	\$820,804	\$862,989	\$42,185	Pre-Approval
5	\$889,178	\$844,719	\$844,719	-\$44,719	
6	\$915,085	\$869,331		-\$869,331	
7	\$941,748	\$894,660		-\$894,660	
8	\$969,187	\$920,728		-\$920,728	
9	\$997,427	\$947,555		-\$947,555	
10	\$1,026,489	\$975,165		-\$975,165	
11	\$1,056,399	\$1,003,579		-\$1,003,579	
12	\$1,087,181	\$1,032,822		-\$1,032,822	
13	\$1,118,860	\$1,062,917		-\$1,062,917	
14	\$1,151,462	\$1,093,889		-\$1,093,889	
15	\$1,185,015	\$1,125,764		-\$1,125,764	
16	\$1,219,546	\$1,158,569		-\$1,158,569	
17	\$1,255,084	\$1,192,330		-\$1,192,330	
18	\$1,291,658	\$1,227,075		-\$1,227,075	
19	\$1,329,298	\$1,262,833		-\$1,262,833	
20	\$1,368,035	\$1,299,634		-\$1,299,634	
21	\$1,407,902	\$1,337,507		-\$1,337,507	
Total Implementation & Performance Period	\$22,521,561	\$21,395,484			
Implementation & Performance Period to Date ⁴	Total Estimated Cost Savings	Total Guaranteed Cost Savings	Total Verified Cost Savings	Total Variance in Cost Savings	
	\$22,521,561	\$21,395,484	\$3,309,273	-\$18,086,211	

IMPORTANT INFORMATION:

- The Guaranteed Annual Cost Savings are based on Schedule 1 for the final approved project proposal.
- Negative Variance in Annual Cost Savings (d&h) indicates that the Verified Annual Cost Savings are less than the Guaranteed Cost Savings.
- Please note that Annual Verified and Implementation & Performance Period to Date Cost Savings may change as some of the reports to date may not be approved.
- For years with available Verified Annual Cost Savings data.



M&V Summary Page

- Dashboard
- Download Data Template
- View Project Data
- Schedule Archive
- View Financial Schedules
- Project Files
- Manage Participants
- M&V

Portfolio > Test Project #1

Test Project #1

Summary

ePB ID: 1
 City: BOTHELL
 State: WA
 Calculation Type: Calculating
 Version: 1.99
 Role: PB

Project Status

Pending
 Pre-Approval
 Approved

Performance Period

5 Years

Ann. Est. Savings

\$ 16,126,074

M&V Summary

+ Performance Year
Download M&V Upload Template
Upload M&V Data from Template
Cumulative Report

Action	Performance Year ↑	M&V Report Due Date	M&V Report Submitted Date	M&V Report Approved Date	Status
⋮	1	2022-01-01	2019-01-01	2021-01-01	Approved
⋮	2	2013-01-01	2010-01-01	2012-01-01	Pending

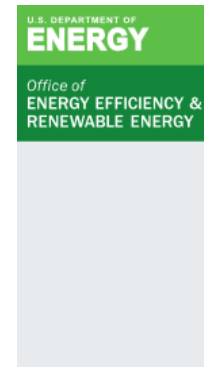
Columns

ESPC: Measurement and Verification (M&V)

- Goal: Accurately quantify and document savings achieved by an ESPC project and assure any shortfalls are addressed.
- M&V can
 - Allocate risks between the contractor and the customer
 - Accurately assess energy savings for a project
 - Reduce uncertainties in a project
 - Aid in monitoring equipment performance
 - Identify additional savings
 - Suggest improvements to operations and maintenance

- New M&V Resources

- [The Business Case for Applying M&V in State and Local Government ESPC Projects](#) – Highlights the substantial, cost-effective benefits of incorporating well-documented M&V of savings in state and local ESPC projects
- [ESPC for State and Local Governments: Strategies for Successful M&V](#) – Provides ESPC program administrators with a selection of tested strategies to support successful M&V for state and local ESPC projects
- [Understanding your ESPC Savings Guarantee](#) – Examines the savings guarantee in ESPC and provides a list of resources



The Business Case for
Conducting Measurement
and Verification In State
and Local Government
Energy Savings Performance
Contract Projects

National Laboratory (affiliate
of National Laboratory

(ESC)
of Energy Service Companies (NAESCO)
of State Energy Officials (NASEO)

ESPC: Resources for State and Local Leaders

- [State ESPC Program and Project Principles](#) – A set of principles to help strengthen and expand the use of ESPC to cost-effectively upgrade state, local, and other public-sector buildings and facilities
- [ESPC Toolkit](#) – Includes proven practices that states, cities, and K-12 schools have used to successfully establish and implement ESPC

Resource categories:

- [Considering ESPC](#)
- [Implementing ESPC](#)
- [Establishing ESPC](#)
- [Expanding ESPC](#)
- [Evaluating ESPC Results](#)



Energy Savings Performance Contracting (ESPC) Toolkit



New Measurement and Verification (M&V) Resources:

[The Business Case for Applying M&V in State and Local Government ESPC Projects](#)

– Highlights the substantial, cost-effective benefits of incorporating well-documented M&V of savings in state and local ESPC projects

[ESPC for State and Local Governments: Strategies for Successful M&V](#)

– Provides ESPC program administrators with a selection of tested strategies to support successful M&V for state and local ESPC projects

[Understanding your ESPC Savings Guarantee](#) – Examines the savings guarantee in ESPC and provides a list of resources



Analysis & Reporting Tool

- Choose fields to include in analysis, similar to pivot tables
- Display and download tables and graphs
- Start with library canned queries or create your own
- Save your favorite queries
- *Currently unavailable – new version to be released in Fall, 2020*

The screenshot displays the 'Analysis & Reporting' interface. The top navigation bar includes 'Home', 'Projects Summary', 'Analysis & Reporting', 'Benchmarking', 'Applications', and 'Help/Documentation'. The main area is divided into two sections: '1 Drag and Drop Fields' and '2 Configure'.

1 Drag and Drop Fields: This section contains a search bar and a list of categories for selection, including Cancellation Ceilings, Escalation Rates, Project Cost Savings & Payments, Performance Period Expenses & Payments, ECM, ECM - Baseline, Implement Price, Name, Amount, and Applied Incentives for ECM.

2 Configure: This section allows users to define the data source and fields. The 'Row Labels' are set to 'Project Name' and the 'Value' is 'Average of Total Project Implementation Cost'. The 'Column Labels' are set to 'First Year M&V Methodology'.

Data Table: The table shows the following data:

Project Name	Total average of Total Project Implementation Cost
6 March ESCO as PI university project	\$5,736,000.00
Health ESCO initiated march 6	\$15,338,128.52
K-12 Lit test 6 March 2017	\$1,460,000.00
Totals	\$7,511,376.17

Configure (Detailed): This section shows the 'Row Labels' as 'ECM Technology Category' and 'Column Labels' as 'First Year M&V Methodology'. The data table is as follows:

ECM Technology Category	Option A	Option B	Option C	Option D	Totals
Boiler Plant Improvements		1			1
Building Envelope Modifications			1	2	3
Chilled Water, Hot Water, and Steam Di					
Chiller Plant Improvements					
Lighting Improvements					
Renewable Energy Systems					

Bar Chart: The chart displays the 'Sum of Total Project Implementation Cost' for four categories, represented by blue, orange, green, and red bars. The y-axis ranges from 0 to 6,500,000.



Benchmarking Page

- Benchmarking statistics for different combinations of metrics, market segments, and years
- Users query aggregated data from the LBNL/NAESCO database of ~ 6,000 ESCO projects (*not* projects in ePB)

+ Add New Benchmark Data

Market Segment

K-12 Schools

Metric Name

Saved energy per dollar invested

Date Range

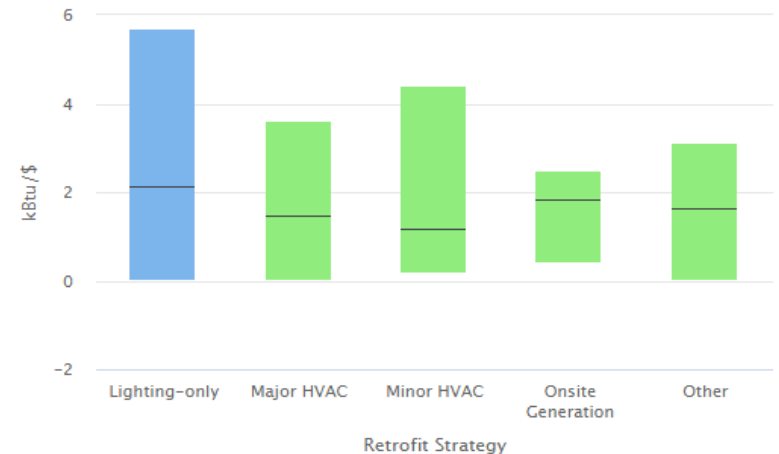
1990 ~ 2017

* Benchmarking results displayed on screen will not be retained once you leave this page. To retain the information, click the (📄) button to download the results.

✓ OK

✗ Cancel

K-12 Schools
Saved energy per dollar invested (1990-2017)
n=508





Benchmarking Page

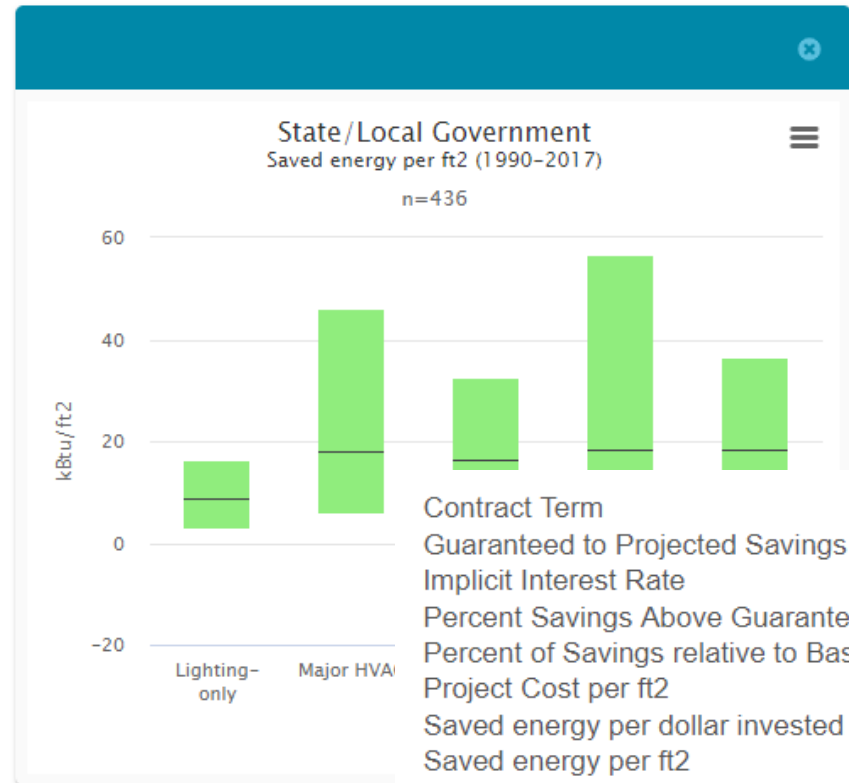
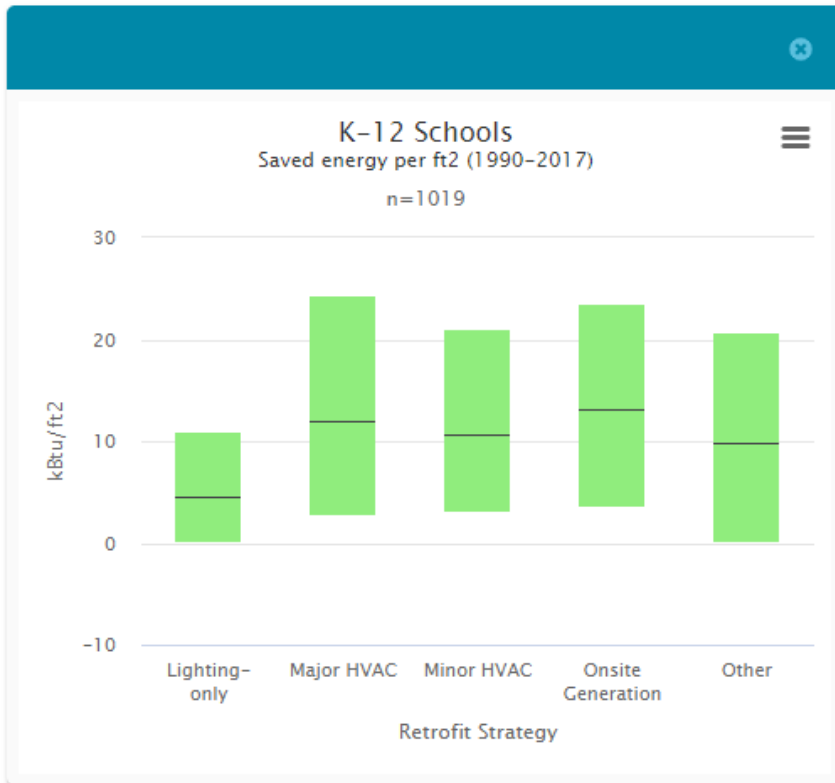


Home Portfolio Analysis & Reporting **Benchmarking** Applications ▾ Help/Documentation About esco-1@test.com ▾

■ 30+ Projects ■ 10~29 Projects ■ <10 Projects

Benchmarking

+ New Benchmark Data



- Contract Term
- Guaranteed to Projected Savings Ratio
- Implicit Interest Rate
- Percent Savings Above Guaranteed
- Percent of Savings relative to Baseline
- Project Cost per ft2
- Saved energy per dollar invested
- Saved energy per ft2
- Saved electricity per ft2
- Simple Payback Time



Typical ePB Workflow

- Customer and ESCO register for ePB accounts (upon ESCO selection)
- Customer initiates project online, providing ESCO contact e-mail
- System automatically notifies ESCO that new project is available
- ESCO downloads data template from ePB site
- ESCO inputs project data into template and uploads completed version to online system
- ESCO may generate PDF schedules for project proposals
- When project is at award stage, ESCO submits for customer approval
- Customer reviews project data via output schedule; if deemed final, customer approves project and schedules are archived in ePB
- M&V module becomes available
- ESCO enters and submits annual M&V data; customer approves
- Customer has the ability to “unlock” project for revisions (e.g., mods)



ePB FAQ

- **Am I required to use ePB?**
 - Federal agencies using DOE/FEMP’s new indefinite quantity contracts (“IDIQ 3”) must use ePB. Several state agencies also require ePB.
- **What projects can use ePB?**
 - ePB is used for ESPC and other types of energy projects such as utility energy service contracts (UESCs) and conventional bid-to-spec projects.
- **Who will see my project information?**
 - By default only authorized ESCO and customer personnel may view project data. However, ESCOs and customers may invite other project viewers. A few federal agency and national lab staff have the authority to view federal projects, as is current practice.
- **What outputs does ePB provide?**
 - Project financial/savings schedules
 - Tables and graphs with analysis of portfolio of projects
 - M&V annual and cumulative reports
 - Spreadsheets with data for all of your approved projects – for analysis or transfer to your own system
 - <https://eprojectbuilder.lbl.gov/home/#help>



ePB Software Requirements

- **Minimum browser requirements**
 - Mozilla Firefox 10.0.7
 - Google Chrome 30
 - Safari 9
 - Internet Explorer 11
- **Spreadsheet for data template**
 - Microsoft Excel 14.0 (2010 Windows, 2011 Mac) or higher



How do I access ePB?



Project Statistics ▾

Help/Documentation

About




eProject Builder

eProject Builder (ePB) is a secure, web-based data management system that enables agencies and ESCOs to preserve, track and report information for their portfolio of energy projects. This free system was developed and is maintained by Lawrence Berkeley National Laboratory on behalf of the U.S. Department of Energy.

ePB enables ESCOs and customers to securely:

1. Manage, track and report data on a portfolio of energy projects
2. Quickly generate standardized project financial schedules and portfolio-level reports
3. Preserve and readily access project information, M&V data and additional uploaded documents in perpetuity
4. Benchmark proposed projects against historical project performance data

 [Learn More](#)

Welcome to eProject Builder

Email *

Password *

[Forgot Password?](#)

→ Login

New to eProject Builder? [Request an Account?](#)

Go to eprojectbuilder.lbl.gov and request an account for:

- [Main ePB site](http://eprojectbuilder.lbl.gov) (eprojectbuilder.lbl.gov) to enter actual projects; and/or
- [Training site](http://epb-test.lbl.gov) (epb-test.lbl.gov) to enter test data and explore tool from both ESCO and customer perspectives



Customized Group Training

For customized training for groups or teams

Contact to schedule

dhahs@energyservicescoalition.org

Or for general support:

Email: epb-support@lbl.gov

Phone: (510) 486-7442





Training and Tech Assistance

- Website: eprojectbuilder.lbl.gov
- Upcoming training webinars:
 - 3rd Thursday of every month @ 1:00 eastern
 - Next opportunity; **Thursday September 16, 2021;**
1:00 pm eastern daylight time
 - Mark your calendars now! Share the date with peers and co-workers.
- Ask LBNL to help you:
 - Analyze and map your project data to ePB and streamline data upload

Contact Us:

Email: epb-support@lbl.gov

Phone: (510) 486-7442





Training and Tech Assistance

Advanced webinars

Advanced training webinar covering the **NEW** M&V module and Analysis & Reporting Feature are scheduled quarterly.

The screenshot displays the 'Help, Documentation and Training' section of the ePB website. It is divided into two main columns: 'eProject Builder' and 'eProject eXpress'. The 'eProject Builder' column includes a section for 'Upcoming Training Webinars' with a description of the webinar series, a link to 'Current Webinar Presentation Slides', and lists for 'Introductory webinars' (including a specific date: Tuesday August 31, 2021 12:00 PM - 1:30 PM Central Daylight Time) and 'Advanced webinars' (noting the next advanced training webinar on the M&V module and reporting/analysis feature is scheduled soon). The 'eProject eXpress' column includes a 'Training Documentation' section with links to 'eProject eXpress Quick Start Guide', 'State Rollup Report Guide', 'Coming Soon', 'eProject eXpress M&V Guide', 'Analysis & Reporting Guide', 'Glossary of Terms', 'FAQ', and 'Disclaimer'. It also has a 'Key Features and Benefits of ePX' section.

<https://energyservicescoalition.org/videos>

[ePB YouTube Videos](https://www.youtube.com/channel/UCT5SDquawmI2ptPZWDi5-UA)

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Thank you!

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