



Business Lighting Incentive Program Online Application

User Guide

Alternative Energy Systems Consulting, Inc.

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1 Overview

1.1 How This User Guide is Organized

The Business Lighting Incentive Program Online Application user guide is designed to help users that are new to the system and for those that want to expand their knowledge about the functionality so it can be used more efficiently and effectively.

This guide covers the following functions:

- Registration
- Logging in to the Software
- Creating a New Incentive Application
- Managing Applications
- Sharing Applications
- Using the Lighting Calculator

1.2 How to Use This Guide

You may find it easiest to start from the beginning of the guide as the sections move logically through steps to complete an application.

You can use the Table of Contents as reference to find further information on specific functions listed in each section.

Software screen images have been included in most areas. Text 'Call-outs' have been added to the screen images to direct users to important actions or specific requirements.

1.3 Support Options

You can contact the PSE Business Lighting Incentives team at businesslighting@pse.com for assistance with:

- Program information
- Participation requirements
- Eligibility requirements
- Processes
- General website functionality

2 Getting Started

The online application is accessed at <https://pse-businesslighting.aesc-inc.com/>. Registration for an online application account is required before you can use the lighting calculator or create incentive applications. Your password should not be given to anyone and is not associated with your myPSE account.

2.1 Account Registration

Navigate to <https://pse-businesslighting.aesc-inc.com/Account/Register> and fill out the registration form. When entry is complete, click the Register button.

Email

First Name

Last Name

Company Name

Title

Primary Phone Number

Secondary Phone Number (optional)

Street Address

City

State

ZIP Code

Password ?

Confirm password

REGISTER

Passwords must be a minimum of 8 characters and contain at least one each of the following: uppercase, letter, lowercase letter, digit, and special character.

After successful registration, you can login and begin using the website, but you will not be able to submit your incentive application until your account has been reviewed and approved by an administrator.

Welcome to PSE Business Lighting Application

Thank you for registering for a PSE Business Lighting Application account. Your request will be reviewed and approved by an administrator within 1 business day.

For questions, please contact businesslighting@pse.com. [Click here to Log in](#)

2.2 System Login

Enter your email address and password on the Log in page and click the Log In button.

[HOME](#)[LIGHTING CALCULATOR](#)[APPLICATIONS](#)[DOCUMENTS](#)[SUPPORT](#)

Puget Sound Energy Business Lighting Incentive Application Log in

Email

Password

☐ Remember me?

[Forgot your password?](#)

[Register as a new user](#)

LOG IN

or

[Login with SSO \(PSE only\)](#)

After a successful log in, you can create new lighting calculations and applications, or access saved calculations and applications.

Welcome

Earn incentives on energy-efficient lighting

Lighting can amount to more than 40% of your business' total energy usage, which is why energy-efficient lighting yields long-term savings. No matter your business' size, our Business Lighting Incentive Program has flexible options to help you affordably upgrade your lighting.

PSE Business Lighting Incentive Program Overview

This PSE application covers lighting retrofits to existing Commercial and Industrial, lighting only Tenant Improvement projects & lighting only New Construction projects. The latest PSE Business Lighting Incentive application can be found at www.pse.com/businesslighting.

Qualifying Electric Customers

Commercial or industrial facility or outdoor lighting receiving Electric Service under Schedules 8, 11, 12, 24, 25, 26, 29, 31, 35, 40, 43, 46, 49, 50, 51, 52, 53, 54, 55, 57, 58, 324, 448, 449, 458, or 459 (or their equivalent) of Electric Tariff G of the Company. Customers on Schedule 40, 46, and 49 who are eligible for participation in the Schedule 258 Large Power User Self-Directed Program shall be required to fully utilize their Schedule 258 funding allocation prior to receiving incentives. Funding for Customers on Schedules 448, 449, 458, & 459 will be through their individual allocations under Schedule 258.

Submit the Following Documents Along with Your Application:

- Specification sheets of all LED light fixtures and controls, containing the following:
 1. UL, ETL or CSA listing
 2. Power Factor of 0.9 or greater
 3. Manufacturer's warranty of 5 years or greater
 4. Total input watts (combined LED modules and driver wattage)
- A completed IRS form **W9 2024** for incentive Payee (unless a W9 for the Payee is already file with PSE)
- Tenant Improvement & New Construction projects - Drawings showing the square footage of each space

2.3 My Profile

If you need to change any of the information you entered on the registration page, select the My Profile menu. The My Profile page includes a link to change your password, if desired.

By default, information from the My Profile page pre-populates in the Submitting Company information when you create a new application. Note that changing your My Profile information will not affect any existing applications.

**My Profile**[Lighting Fixture Library](#)

My Profile.

Click here to change your password

Email[Change your password](#)**First Name****Last Name****Company Name****Title****Primary Phone Number****Secondary Phone Number (optional)****Street Address****City****State****ZIP Code**


3 Incentive Applications

3.1 Getting Started

Click the Applications menu to access your list of saved applications. Click the blue New Application button to start a new Incentive Application.

If you have already entered the details for your lighting project using the stand alone Lighting Calculator, as described in section 6, please use the Create Application button from the results page of the calculator rather than using the New Application button from your application list.

At any time, you can use the Save For Later button at the bottom of the page to save your progress. Your inputs will also be automatically saved when you navigate to the Next or Previous page. Active applications can be found and edited in the list of saved applications (see Section 4).



[HOME](#) [LIGHTING CALCULATOR](#) [APPLICATIONS](#) [DOCUMENTS](#) [SUPPORT](#)

[MY PROFILE](#) | [LOG OFF](#)

All

NEW APPLICATION

Name	Reference #	PSE Project #	Modified	Submitted	Status	View/Edit	Copy	Archive	Delete
Sample Application #1	LA_0000177		Oct 20, 2025 6:10:49 PM		New				

3.2 Application Details

Enter a name for your application in the Project Name field. When creating applications for multiple locations, include an identifier such as the city name and/or store number.

Select a Project Type. There are three types to choose from: Retrofit, New Construction, and Tenant Improvement.

If you believe your project may qualify for a PSE Named Community Incentive, please contact a PSE representative to confirm eligibility prior to checking the Named Community checkbox. You can also use the 'Share Application' feature to submit your application for PSE review and incentive determination. Application Sharing is described in detail in section 5.

Complete the remaining questions on the page and click the Next button.

Application

APPLICATION DETAILS

APPLICATION PARTIES

SITE DETAILS

PROJECT SUMMARY

ATTACHMENTS

CUSTOMER
ACKNOWLEDGEMENT

Application Details

Project Name ?

Sample Application #1

Project Type

Retrofit

Rate Schedule ?

Sch 8

Estimated Completion Date ?

12/31/2025

☐ Is this a Named Community Project? ?

Application Sharing

< PREVIOUS

SAVE FOR LATER

NEXT >

3.3 Application Parties

The online application includes fields for the information of five parties:

- Customer Contact
- Submitting Company
- Installer
- Vendor
- Payee

By default, information that you entered during registration pre-populates in the Submitting Company information. You can edit your registration information by clicking the My Profile menu at the top of the page. Note that changing your profile information will not affect any existing applications.

There are a few shortcuts that can help simplify data entry of the Application Parties:

- If the customer is self-installing, check the box on the Customer Contact page. This will link the Installer and Vendor pages to the Customer Contact information.
- If the Submitting Company or Installer details are the same as one of the other Application Parties, you can use the dropdown selection to link the information.

After completing each page, click the Next button to move forward through the Application Parties.

Application

APPLICATION DETAILS	APPLICATION PARTIES	SITE DETAILS	PROJECT SUMMARY	ATTACHMENTS	CUSTOMER ACKNOWLEDGEMENT
---------------------	---------------------	--------------	-----------------	-------------	--------------------------



Application Parties

Customer Contact Information

Company Name

Company Name

First Name

First Name

Last Name

Last Name

Email Address

Email Address

Phone Number

Phone Number

Address

Address

State

Select State ▾

City

City

Zip

Select Zip ▾

☐ Is the customer self-installing?

< PREVIOUS

SAVE FOR LATER

NEXT >

Checking this box will link the Installer and Vendor pages to the Customer Contact information.

Application

APPLICATION DETAILS	APPLICATION PARTIES	SITE DETAILS	PROJECT SUMMARY	ATTACHMENTS	CUSTOMER ACKNOWLEDGEMENT
---------------------	---------------------	--------------	-----------------	-------------	--------------------------



Application Parties

Installer Information

Installed By

Installing Contractor

Company Name

Company Name

First Name

First Name

Last Name

Last Name

Email Address

Email Address

Phone Number

Phone Number

Address

Address

State

Select State

City

City

Zip

Select Zip

Use the dropdown to link this page to a previously filled out page.

3.4 Site Details

Enter the information relating to the customer location where the lighting project is being installed. If lighting projects are being installed at multiple locations, a separate application must be submitted for each location. You can use the Copy feature on the Application List page to simplify the creation of additional applications.

The second page of the Site Details is information regarding the building operating hours. If you know the total Hours Per Year of operation, you can enter it in the box at the top of the page. Otherwise, enter the daily open and close times and number of holidays to calculate the annual hours of operation.

Click the Next button to complete both pages of the Site Details.

Application

APPLICATION DETAILS	APPLICATION PARTIES	SITE DETAILS	PROJECT SUMMARY	ATTACHMENTS	CUSTOMER ACKNOWLEDGEMENT
---------------------	---------------------	--------------	-----------------	-------------	--------------------------

Site Details

Account information

PSE Electric Account # ?

Account Number

PSE Electric Meter # ?

Meter Number

Building Type

Select Building Type

Whole Building Square Footage (Clean Buildings Law) ?

Select Whole Building Square Footage

Building Size (sq. ft.)

0

Address

Address

WA

City

Zip

< PREVIOUS

SAVE FOR LATER

NEXT >

Application

APPLICATION DETAILS

APPLICATION PARTIES

SITE DETAILS

PROJECT SUMMARY

ATTACHMENTS

CUSTOMER
ACKNOWLEDGEMENT

Site Details

Building Operating Hours

Hours Per Year


0

Enter the Hours per Year, if known. Otherwise, use the inputs below to calculate.

If you don't know the annual Hours Per Year, use the fields below to calculate.

Sunday

to

Monday

to

Tuesday

to

Wednesday

to

Thursday

to

Friday

to

Saturday

to

Number of
Holidays

0

3.5 Project Summary

The Project Summary page provides an overview of the savings and incentives that have been calculated for your project based on the measure details. To open the lighting calculator and make changes to the lighting retrofit details, click on the Edit Measure Details button. Refer to section 6 for more information regarding the lighting calculator.

Click the Produce Report PDF button to generate a printable report that can be saved for reference or shared with others.

Application

APPLICATION DETAILS	APPLICATION PARTIES	SITE DETAILS	PROJECT SUMMARY	ATTACHMENTS	CUSTOMER ACKNOWLEDGEMENT
---------------------	---------------------	--------------	-----------------	-------------	--------------------------

Project Summary

[PRODUCE REPORT PDF](#)[EDIT MEASURE DETAILS](#)

Estimated PSE Incentive \$992.00

Energy Usage (kWh)

Baseline 5,237

Proposed 1,929

Savings 3,307

Average \$/kWh \$0.85

% of Project Cost 35.5%

Incentive Detail

Fixture & Controls Incentive \$992.00

TLED Incentive \$0.00

LLLC Bonus \$0.00

LLLC Outside Daylight Area Bonus \$0.00

NLC Bonus \$0.00

AELC Bonus \$0.00

LLLC & AELC Controls Only Bonus \$0.00

Payback

Before Incentive 5.7 yrs

After Incentive 3.7 yrs

Estimated Cost of Waiting

6 Months \$287.72

1 Year \$575.43

3 Years \$1,726.29

5 Years \$2,877.15

Estimated Yearly Savings \$491.58

Base kWh Usage 5,237

New kWh Usage 1,929

kWh Savings 3,307

3.6 Attachments

Upload any supporting documentation such as equipment specification sheets, photos, or IRS 2024 W-9 form on the Attachments page. Before uploading a file, use the Attachment Type drop-down to select the appropriate file type. Then, use the file chooser to select the file and click the Upload button.

Previously uploaded files are shown at the bottom of the page. If you need to replace a file, you can delete the old file and upload a new one.

APPLICATION DETAILS

APPLICATION PARTIES

SITE DETAILS

PROJECT SUMMARY

ATTACHMENTS

CUSTOMER ACKNOWLEDGEMENT

Attachments

Please attach any supporting documentation, such as equipment specification sheets, photos, or IRS 2024 W-9. These documents will be included with your incentive application. Failure to provide required information may cause delays in approval of your application.

Attachments are limited to 25MB per file.

Required:

- Product Specification Sheets ?
- Current IRS Form W9 (Rev. March 2024), if not already on file with PSE ?

As required:

- Project photos
- Any other supporting project documentation

Attachment Type

Select Attachment Type

Describe Other Attachment

Attach File (allowed file types: .pdf):

Choose File

No file chosen

UPLOAD

File Name	Attachment Type	Uploaded
W-9_Taxpayer_Identification_Form.pdf	IRS Form W9 (Rev. March 2024)	Dec 23, 2025 9:00:39 AM <div>✕</div>

PREVIOUS

SAVE FOR LATER

NEXT

Select the type of file being attached

If 'Other' is selected, provide a description of the file here

Click here to delete

3.7 Customer Acknowledgement

Review the Customer Acknowledgement page for any errors that must be corrected before submitting your application. You can click on any error to navigate to the relevant page of the application.

Application

APPLICATION DETAILS	APPLICATION PARTIES	SITE DETAILS	PROJECT SUMMARY	ATTACHMENTS	CUSTOMER ACKNOWLEDGEMENT
---------------------	---------------------	--------------	-----------------	-------------	--------------------------

Customer Acknowledgement

Please correct the following problems before submitting:

- Customer contact information is incomplete
- Submitting company information is incomplete
- Installer information is incomplete
- Payee information is incomplete
- Account number is required
- Meter number is required
- Building type is required
- Building size is required
- Site address is required
- Operating hours are incomplete
- Specification sheets for all proposed equipment are required
- A completed IRS Form W9 (Rev. March 2024) is required

PSE Customer/Contractor/Submitter Acknowledgement

PSE Terms

As Participant I agree to submit for payment or authorize my representative to submit for payment once ALL products are installed and operating.

I have read and agree to the Term and Conditions of PSE BUSINESS LIGHTING INCENTIVE PROGRAM. I attest that all information provided in this application is accurate and truthful, that I satisfy the terms and conditions, and that I agree to adhere to them. I understand that if I do not adhere to the terms and conditions or have otherwise not complied with the requirements of this program, my application for an incentive may be disqualified and/or the incentive may be reduced. I understand that PSE provides incentives for lighting measures that are designed to save energy in the facility listed on the application. I acknowledge that estimated energy savings are not guaranteed and such projected energy savings may not result from such retrofit measures. I, the customer, am responsible for meeting applicable code requirements for determining

If no errors are shown, review the PSE Terms and complete the form at the bottom of the page to acknowledge your agreement with the terms and conditions. If you have a Letter of Authorization, you should check the box and fill in the related inputs. The signed Letter of Authorization should be uploaded on the Attachments page.

After acknowledging the terms and conditions on behalf of both the customer and the submitting company, click the Submit Application button. This will lock your application inputs and notify the PSE Business Lighting Incentives team that your application is ready for review.

Submitter Printed Name**Customer Printed Name****Submitter Company Name****Customer Company Name**☐ **Submitter Acknowledgement**☐ **Customer Acknowledgement****How did you hear about this program?**☐ **Do you have a Letter of Authorization?** [?](#)

This PSE application covers lighting retrofits to existing commercial and industrial projects, lighting only tenant improvement projects, and lighting only new construction projects.

For more information on this and other PSE lighting programs and their latest applications please click the following links

- [Business Lighting Incentive Program](#)
- [Multi-Family Lighting Incentive Program](#)
- [Lighting To Go](#)
- [Commercial New Construction](#)
- [New Multifamily Construction Incentives](#)

Named Communities Lighting Projects

The Business Lighting Incentive program is supporting vulnerable and impacted communities with \$0.10/kWh higher incentives.

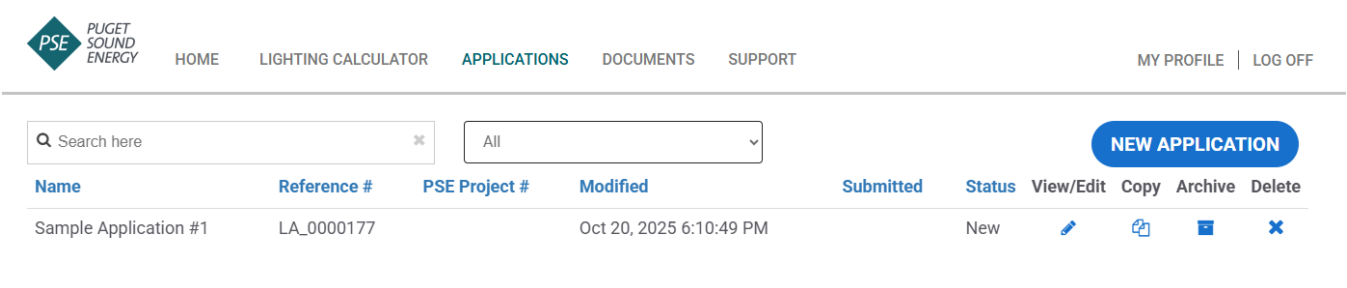
Projects must be a PSE Rate Schedule 24 or Schedule 8 and meet vulnerable and highly impacted definitions. Schools and public facilities in vulnerable and highly impacted areas also qualify.

Check with the Business Lighting Incentive Team to confirm eligibility! businesslighting@pse.com

SUBMIT APPLICATION

4 Manage Applications

Click the Applications menu to access your list of saved applications. You can use the search box to search for applications by name. You can use the drop-down to filter the application list based on status or other criteria.

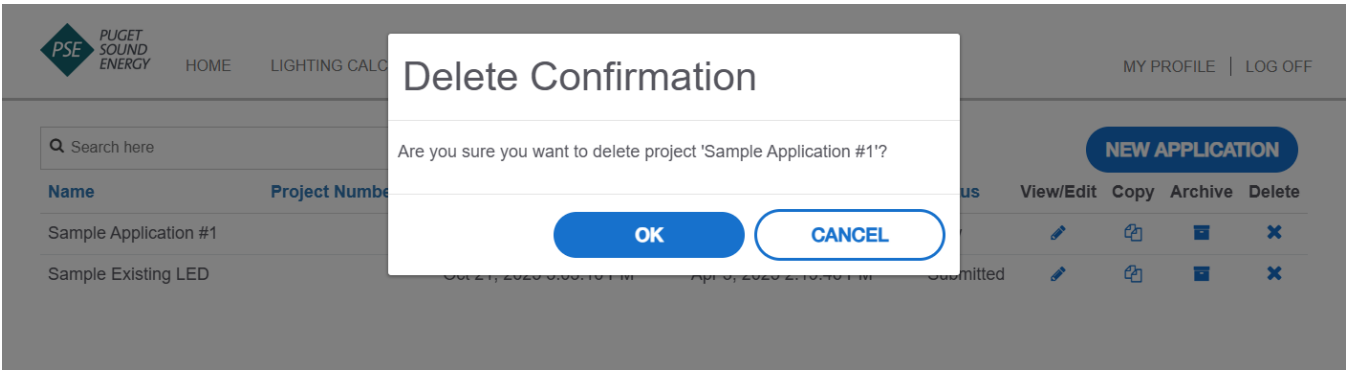


Click the pencil icon to view or edit an existing application. If the application has already been submitted to PSE, it will open in a read-only mode.

Click the copy icon to make a copy of an existing application. This will copy all of the application details except for the attachments and acknowledgements (on the Customer Acknowledgement page).

Click the archive icon to move an existing application to your archive list. This can be helpful if you have a large application list. You can view archived applications by selecting 'Archived' from the drop-down. Clicking the archive button again will move the application from the archive list back to the active list.

Click the Delete icon to remove an existing application. You will be prompted to confirm that you really want to delete the application. Please use caution as there is no option to undelete an application.



If the application is one that was shared with you by another user, rather than an application that you created, delete only removes your access to the application. The person who shared the application with you retains access to the application.



Search here

Name	Project Number
Sample Application #1	
Sample Existing LED	

Delete Confirmation

Are you sure you want to stop sharing project 'Sample Existing LED'?
This will disable your access to this project unless it is shared with you again.

OK

CANCEL

NEW APPLICATION

us	View/Edit	Copy	Archive	Delete
mitted				

5 Application Sharing

Applications can be shared between systems users. This can be helpful if you need assistance with your application from the PSE Business Lighting Incentives team prior to submitting your application.

There are a few limitations on applications that have been shared with you:

- You cannot submit the application. Only the user who created the application can submit it.
- You cannot re-share the application with another user.
- You cannot delete the application. Clicking on the delete icon only removes your access to the application.

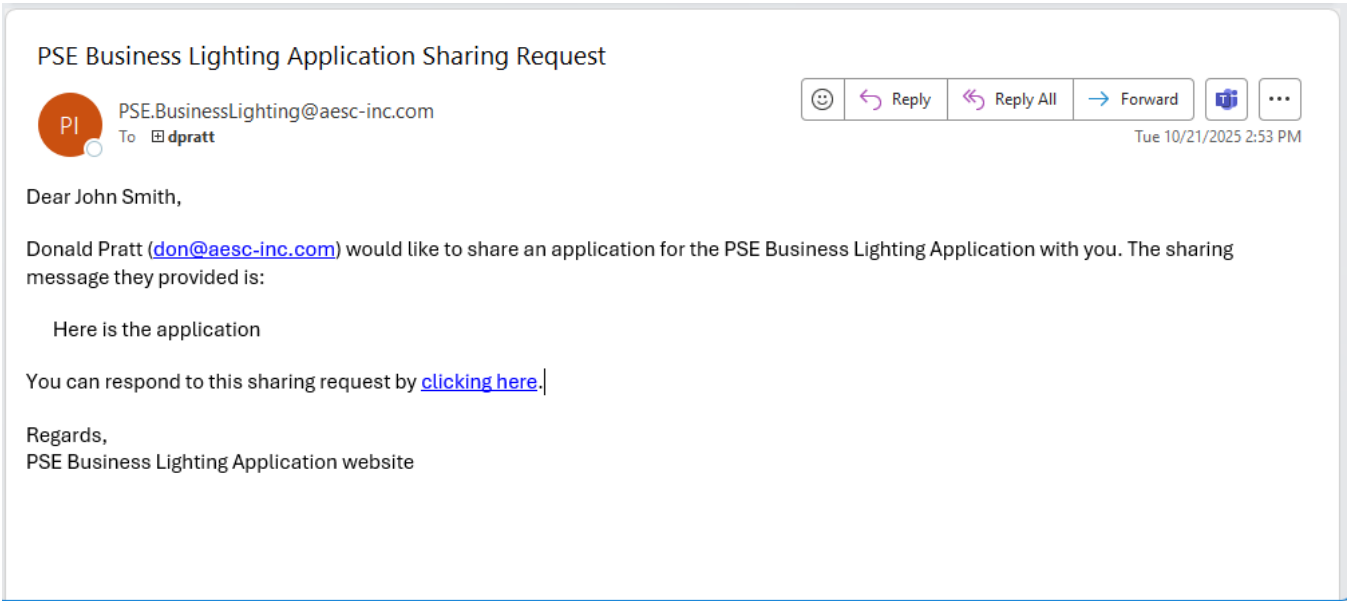
5.1 Application Sharing History

After opening an application, expand the Application Sharing section at the bottom of the Application Details page. Any existing shares will be shown in the table. You can hover your mouse over the share status to view the message that the other user typed when they accepted or declined the sharing request. You can also cancel a share at any time by clicking the cancel icon.

5.2 Share an Application

After expanding the Application Sharing section, click the Share Application button to initiate a sharing request. Enter an email address for the user the application will be shared with along with a message to the user. Applications can only be shared with users who have already registered for an account on the online application.


After entering a valid email address and message, click OK to share the application. The recipient will be notified by email with a link where they can accept or decline the sharing request.



5.3 Accept or Decline a Share Request

If another user sends you a sharing request, click the link in the email to either accept or decline the request. After logging in, you will be shown the application name, the owner's email address, and the message they entered when they shared the application with you.

Enter a brief response message and click either the Accept or Decline button. The user who shared the application with you will be notified of your response.



HOME LIGHTING CALCULATOR APPLICATIONS DOCUMENTS SUPPORT

MY PROFILE | LOG OFF

Application Sharing.

Application Name

Sample Existing LED

Application Owner

don@aesc-inc.com

Message


Here is the application

ResponseMessage


ACCEPT

DECLINE

PSE Business Lighting Application Sharing Request - Accepted




PSE.BusinessLighting@aesc-inc.com


To  Donald Pratt

Reply

Reply All

Forward





Tue 10/21/2025 4:09 PM

Dear Donald Pratt,

John Smith has accepted the application sharing request you sent. The response they provided is:

Thank you

Regards,
PSE Business Lighting Application website

After accepting a shared application, you can view or edit it from your application list.

19 | Page

October 20, 2025

5.4 Cancel a Share

Application shares can be cancelled at any time by either the initiator or recipient of the sharing request.

The initiator can cancel a share by opening the application, expanding the Application Sharing section and clicking the cancel icon.

APPLICATION DETAILSAPPLICATION PARTIESSITE DETAILSPROJECT SUMMARYATTACHMENTSCUSTOMER ACKNOWLEDGEMENT

Application Details

Project Name ?

Sample App 1

Project Type

Retrofit

Rate Schedule ?

Sch 8

Estimated Completion Date ?

12/31/2025

☐ Is this a Named Community Project? ?

Application Sharing ^

Email	Date Shared	Status	Date Responded	Cancel
dpratt@aesc-inc.com	12/23/25	Pending		

SHARE APPLICATION

< PREVIOUS

SAVE FOR LATER

NEXT >

Click here to cancel

The recipient can cancel a share by either declining the sharing request, or by clicking the delete icon next to a previously accepted share from your application list.

6 Lighting Calculator


The Lighting Calculator is used to calculate the estimated energy savings and incentives for your lighting projects. It supports retrofit, new construction, and tenant improvement projects.

The Lighting Calculator can be accessed from within your application by clicking the Edit Measure Details button on the Project Summary page. It can also be used on its own to do “what if” calculations without needing to input all of the application details.

6.1 Getting Started

Click the Lighting Calculator menu to access your list of saved calculators. Click the blue New Lighting Calculator button to start a new calculator.

At any time, you can use the Save For Later button at the bottom of the page to save your progress. Your inputs will also be automatically saved when you navigate to the Next or Previous page.



HOME LIGHTING CALCULATOR APPLICATIONS DOCUMENTS SUPPORT ADMIN

MY PROFILE | LOG OFF

Q Search here

NEW LIGHTING CALCULATOR

Name	Created	Modified	Edit	Copy	Delete
Sample Retrofit	Nov 15, 2024 11:45:15 AM	Oct 22, 2025 9:48:42 AM			
Sample Retrofit 2	Jan 6, 2025 11:32:15 AM	Oct 22, 2025 9:48:58 AM			
Sample TI	Oct 13, 2025 11:44:00 AM	Oct 22, 2025 9:49:10 AM			
Sample NC	Oct 13, 2025 11:44:08 AM	Oct 22, 2025 9:49:22 AM			

6.2 Site Details

This page is only applicable to the stand-alone Lighting Calculator. When accessing the Lighting Calculator from within an application, these inputs are entered on the Application Details and Site Details pages.

Enter a name for your calculator in the Project Name field. When creating calculators for multiple locations, include an identifier such as the city name and/or store number.

Select a Project Type. There are three types to choose from: Retrofit, New Construction, and Tenant Improvement.

Complete the remaining questions on the page and click the Next button.

The second page of the Site Details is information regarding the building operating hours. If you know the total Hours Per Year of operation, you can enter it in the box at the top of the page. Otherwise, enter the daily open and close times and number of holidays to calculate the annual hours of operation.

After completing the building operating hours, click the Next button.

Lighting Calculator

1. SITE DETAILS

2. LIGHTING FIXTURES

3. PROJECT DETAILS

4. RESULTS

Site Details

Account information

Project Name ?

Sample Retrofit

Project Type

Retrofit

Building Type

Office

Whole Building Square Footage (Clean Buildings Law) ?

< 20,000 sqft

Building Size (sq. ft.)

10000

Rate Schedule

Sch 8

[< PREVIOUS](#)

[SAVE FOR LATER](#)

[NEXT >](#)

Lighting Calculator

1. SITE DETAILS


2. LIGHTING FIXTURES

3. PROJECT DETAILS

4. RESULTS

Site Details

Building Operating Hours

Hours Per Year  2761

If you don't know the annual Hours Per Year, use the fields below to calculate.

Sunday	Closed	to	06:00 PM
Monday	07:00 AM	to	06:00 PM
Tuesday	07:00 AM	to	06:00 PM
Wednesday	07:00 AM	to	06:00 PM
Thursday	07:00 AM	to	06:00 PM
Friday	07:00 AM	to	06:00 PM
Saturday	Closed	to	
Number of Holidays	10		

Enter the Hours per Year, if known. Otherwise, use the inputs below to calculate.

6.3 Lighting Fixtures

The Lighting Fixtures page displays a summary table of all line items that have been entered for your project along with inputs for project costs. Enter the total labor and miscellaneous costs along with the applicable tax rate. If this is a New Construction or Tenant Improvement project, also enter the total material cost. For retrofit projects, the per fixture costs are entered in the measure details pop-up.

Click the Add Line Item button to add a new measure to your project.

Click the pencil icon to view or edit an existing measure.

Click the copy icon to make a copy of an existing measure. You will be asked to enter a location name for the new measure.

Click the delete icon to remove an existing measure. You will be prompted to confirm that you really want to delete the measure. Please use caution as there is no option to undelete a measure.

After entering the project cost information and all measures, click the Next button.

Lighting Calculator

- ✓ SITE DETAILS
- 2. LIGHTING FIXTURES**
- 3. PROJECT DETAILS
- 4. RESULTS

Measures

Total Labor Cost (\$) ?

100

Total Misc Cost (\$) ?

100

Tax Rate (%) ?

7.5

+ ADD LINE ITEM

Location	Baseline			Proposed			Edit	Copy	Delete
	# Fixtures	Fixture Configuration	Watts/ Fixture	# Fixtures	Fixture Configuration	Watts/ Fixture			
Office 2	20	Troffer Fluorescent 4' T8 (Electronic) 4-lamp	114	20	Troffer New Fixture, (1) Sylvania SV-123	42			

< PREVIOUS

SAVE FOR LATER

NEXT >

6.3.1 Measure Details (Retrofit)

The measure details for retrofit measures are grouped into 4 sections: Location, Existing Fixture, Proposed Fixture, and Operating Hours. The operating hour inputs are on a second page.

6.3.1.1 Location

Enter a Location name. Similar space types with the same fixture type may be grouped together to minimize the number of line items.

If lighting is being installed in an exterior location, check the exterior box. Otherwise, leave it unchecked for interior.

Select the type of heating that is used in the space, the space type, and the daylighting option using the drop-downs.

6.3.1.2 Existing Fixture

Enter the number of fixtures that are being replaced or retrofitted.

If your Lighting Fixture Library has an entry for the existing fixture, select it from the drop-down. This will copy the fixture library information into the Fixture Type and subsequent inputs. Otherwise, use the drop-down lists and text boxes to define the existing fixture. Note that your inputs will affect the options that are available in subsequent inputs. For example, the Lamp Type selected will determine the available options for Description.

If the Lamp Type, Description, Lamps Per Fixture, Ballast Factor, and Watts Per Lamp inputs match one of the standard fixture definitions in the database, the Watts Per Fixture field will pre-populate with the standard value and will not be editable.

Enter the Control Type and Number Of Controls. The Control Savings (%) will be pre-populated based on the control type.

6.3.1.3 Proposed Fixture

Enter the number of replacement or retrofit fixtures. This may or may not be the same as the number of existing fixtures.

If your Lighting Fixture Library has an entry for the existing fixture, select it from the drop-down. This will copy the fixture library information into the Manufacturer and subsequent inputs. Otherwise, use the drop-down lists and text boxes to define the proposed fixture. Note that your inputs will affect the options that are available in subsequent inputs. For example, for TLED replacements, you should enter the number of Lamps Per Fixture and Watts Per Lamp and the tool will calculate the Watts Per Fixture. For other replacement options, you should enter the number of Lamps Per Fixture and the total Watts Per Fixture.

Enter the Control Type, Number Of Controls, and Per Control Cost. The Control Savings (%) will be pre-populated based on the control type.

Click the Save button to continue to the next page.

6.3.1.4 Lighting Operating Hours

If the fixture operating hours are the same as what you already entered on the Site Details or on another measure, you can copy those inputs by selecting from the Copy From drop-down. Otherwise, enter the operating hours for this measure.

Click the Save button to return to the Lighting Fixtures page.

Measure Details - Retrofit

Page 1 of 2

Location

LOCATION ?

EXTERIOR ?

☐

HEATING TYPE

Select Heating Type



SPACE TYPE

Select Space Type



DAYLIGHTING

Select Daylighting



Existing Fixture

NUMBER OF FIXTURES

0

FIXTURE LIBRARY ITEM

Fixture Library Item

FIXTURE TYPE

Fixture Type

LAMP TYPE

Lamp Type

DESCRIPTION

Description

LAMPS PER FIXTURE

0

BALLAST FACTOR

Normal

WATTS PER LAMP ?

0

WATTS PER FIXTURE ?

0

CONTROL TYPE ?

Control Type

CONTROL SAVINGS (%)

N/A

NUMBER OF CONTROLS

0

Proposed Fixture

NUMBER OF FIXTURES

0

FIXTURE LIBRARY ITEM

Fixture Library Item

MANUFACTURER

MODEL NUMBER

FIXTURE TYPE

Fixture Type

TLED/FIXTURE
RETROFIT/FIXTURE
REPLACEMENT

?

LAMPS PER FIXTURE

0

WATTS PER LAMP ?

0

WATTS PER FIXTURE ?

0

PER FIXTURE COST (\$)

CONTROL TYPE ?

Control Type

CONTROL SAVINGS (%)

N/A

NUMBER OF CONTROLS

0

PER CONTROL COST (\$)

0

SAVE

CANCEL

Measure Details - Retrofit
Page 2 of 2

Lighting Operating Hours

COPY FROM Select Measure

	OPEN	CLOSE
SUNDAY		
MONDAY		
TUESDAY		
WEDNESDAY		
THURSDAY		
FRIDAY		
SATURDAY		

NUMBER OF HOLIDAYS Holidays

HOURS PER YEAR 0

SAVE **CANCEL**

6.3.2 Measure Details (New Construction and Tenant Improvement)

The measure details for new construction and tenant improvement measures are grouped into 2 sections: Location and Proposed Fixture

6.3.2.1 Location

Enter a Location name. Similar space types with the same fixture type may be grouped together to minimize the number of line items.

Select the building type. The drop-down will list the primary and alternate building types that were entered on the Site Details page.

If lighting is being installed in an exterior location, check the exterior box. Otherwise, leave it unchecked for interior.

Select the type of heating that is used in the space.

For exterior fixtures, select the Space Type where the fixtures are being installed.

For TLED or exterior fixtures, enter the total Space Area that is served by the fixtures.

6.3.2.1 Proposed Fixture


Enter the number of fixtures being installed in the space.

If your Lighting Fixture Library has an entry for the existing fixture, select it from the drop-down. This will copy the fixture library information into the Manufacturer and subsequent inputs. Otherwise, use the drop-down lists and text boxes to define the proposed fixture. Note that your inputs will affect the options that are available in subsequent inputs. For example, for TLED replacements, you should enter the number of Lamps Per Fixture and Watts Per Lamp and the tool will calculate the Watts Per Fixture. For other replacement options, you should enter the number of Lamps Per Fixture and the total Watts Per Fixture.

For interior fixtures, enter the Number of Fixtures with LLLC Controls Inside Daylight Zones, Number of Fixtures With LLLC Controls Outside Daylight Zones, and the Number of Fixtures With NLC Controls.

For exterior fixtures, enter the Control Type, and Number Of Controls. The Control Savings (%) will be pre-populated based on the control type.

Click the Save button to return to the Lighting Fixtures page.



PUGET SOUND ENERGY

HOME

Measure Details - Tenant Improvement

Page 1 of 1

MY PROFILE | LOG OFF

Lighting Calc

Lighting Calc

✓ SITE DETAILS

4. RESULTS

Location

LOCATION ?

BUILDING TYPE

Select Building Type ▾

EXTERIOR ?

☐

HEATING TYPE

Select Heating Type ▾

SPACE TYPE

Select Space Type ▾

SPACE AREA (FT²) ?

0

Proposed Fixture

NUMBER OF FIXTURES

0

FIXTURE LIBRARY ITEM

Fixture Library Item ▾

MANUFACTURER

MODEL NUMBER

FIXTURE TYPE

Fixture Type ▾

TLED/FIXTURE RETROFIT/FIXTURE REPLACEMENT ?

LAMPS PER FIXTURE

0

WATTS PER LAMP ?

0

WATTS PER FIXTURE ?

0

NUMBER OF FIXTURES WITH LLC CONTROLS INSIDE DAYLIGHT ZONES

NUMBER OF FIXTURES WITH LLC CONTROLS OUTSIDE DAYLIGHT ZONES

NUMBER OF FIXTURES WITH NLC CONTROLS

SAVE

CANCEL

6.4 Project Details

The Project Details page provides an overview of the savings that have been calculated for your project based on the measure details. Click the Previous button to add additional measures or make changes to existing measures. Otherwise, click the Next button to continue.

Lighting Calculator

[✓ SITE DETAILS](#)
[✓ LIGHTING FIXTURES](#)
[3. PROJECT DETAILS](#)
[4. RESULTS](#)

Project Details

Energy Savings

Existing Fixture							Proposed Fixture							Savings	
Location	Annual Hours	Qty	Fixture Configuration	Watts / Fixture	kW	Annual kWh	Annual Hours	Qty	Fixture Configuration	Watts / Fixture	kW	Annual kWh	kW	Annual kWh	
Office 2	2,000	20	Troffer Fluorescent 4' T8 (Electronic) 4-lamp	114	2.28	3,648	2,000	20	Troffer New Fixture, (1) Sylvania SV-123	42	0.84	1,344	1.44	2,304	
Totals		20			2.28	3,648		20			0.84	1,344	1.44	2,304	

< PREVIOUS

SAVE FOR LATER

NEXT >

6.5 Results

The Results page provides an overview of the savings and incentives that have been calculated for your project based on the measure details.

If you accessed the Lighting Calculator from the Project Summary page of an application, click the Return To Application button when you are finished reviewing the results.

Click the Produce Report PDF button to generate a printable report that can be saved for reference or shared with others.

If you are editing a stand-alone Lighting Calculator, you have the option to create a new application using your calculator inputs. Click the Create Application button, enter a name for the new application, and click OK. Note that the new application will contain a copy of your calculator inputs rather than being linked to your calculator. Changes to the new application will not affect the stand alone calculator and changes to the stand alone calculator will not affect the new application.

Lighting Calculator

- ✓ SITE DETAILS
- ✓ LIGHTING FIXTURES
- ✓ PROJECT DETAILS
4. RESULTS

Project Summary

[PRODUCE REPORT PDF](#)
[CREATE APPLICATION](#)

Estimated PSE Incentive \$0.00

Energy Usage (kWh)

Baseline	5,256
Proposed	1,939

Savings 3,317

Average \$/kWh	\$0.10
% of Project Cost	0%

Incentive Detail

Fixture & Controls Incentive	\$0.00
TLED Incentive	\$0.00
LLLC Bonus	\$0.00
LLLC Outside Daylight Area Bonus	\$0.00
NLC Bonus	\$0.00
AELC Bonus	\$0.00
LLLC & AELC Controls Only Bonus	\$0.00

Payback

Before Incentive	0.7 yrs
After Incentive	0.7 yrs

Estimated Cost of Waiting

6 Months	\$251.29
1 Year	\$502.59
3 Years	\$1,507.77
5 Years	\$2,512.95

Estimated Yearly Savings \$492.96

Base kWh Usage	5,256
New kWh Usage	1,939
kWh Savings	3,317
% Energy Saved	63.1%

Material Cost	\$300.00
Labor Cost	\$0.00
Misc Costs	\$0.00

Subtotal \$300.00

Tax \$21.00
7.00%

Total Cost \$321.00

TRC 18.57


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[SAVE FOR LATER](#)
[NEXT >](#)

6.6 Lighting Fixture Library

You can access your Lighting Fixture Library by selecting the My Profile menu and clicking Lighting Fixture Library. This is where you can configure lighting fixtures that you commonly use so they can be easily entered in the lighting calculator. Click the Add Fixture button and fill out the pop-up form to add a new fixture to your Lighting Fixture Library.

You can also edit and delete existing Lighting Fixture Library entries. Note that changes will not affect any existing lighting calculations or applications.

Click the Export Fixtures button to save your fixture library as a CSV file that can be shared with other users. Click the Import Fixtures button to import a fixture library CSV file that has been shared with you by another user. If you already have items in your fixture library, the imported fixtures will be added to your existing fixture library. The import will not remove or replace your existing fixture library.

HOME LIGHTING CALCULATOR APPLICATIONS DOCUMENTS SUPPORT ADMIN MY PROFILE | LOG OFF

My Profile

Lighting Fixture Library

Lighting Fixture Library

Q Search here

+ CREATE NEW FIXTURE

EXPORT FIXTURES

IMPORT FIXTURES

					Lamp Type	Watts Per Fixture	Edit	Delete
N2					Low Bay Fixture	42		
E1					Low Bay/Fluorescent	219		
E2	Yes	GE	GE-T8HP-987		Troffer/Fluorescent	83		
E3	Yes	Sylvania	SVFL-456-T8		Strip/Industrial/Fluorescent	55		
E4	Yes	Feit	MH250		Parking/Area/HID	291		
N1	No	Best LED	HB120-OCC		04 Low/High Bay/New Fixture	120		
N2	No	Best LED	2x4LED		03 Troffer/Complete Retrofit Kit	30		
N3	No	Best LED	TLED12		06 Strip/Industrial/TLED (Plug and Play)	13.32		
N4	No	Best LED	ALED80		09 Parking/Area/New Fixture	80		
E5	Yes	Unknown	Unknown		04 Low/High Bay/Existing LED	160		
test imp	Yes	Existing	Existing		Troffer/HID	86		

Click here to access the Lighting Fixture Library from the My Profile page

Lighting Fixture Details

FIXTURE NAME

MANUFACTURER

MODEL NUMBER

FIXTURE TYPE

LAMP AND FIXTURE CATEGORY

LAMPS PER FIXTURE

WATTS PER LAMP

WATTS PER FIXTURE

PER FIXTURE COST (\$)

USE AS EXISTING?

Fixture Type ▾

▾

☐

SAVE

The fixture name will be used to select this fixture from the lighting calculator

Fixture details will vary depending on whether this is an existing fixture and whether it is an LED fixture

Check here if this entry will be used as an existing fixture

CREATE NEW FIXTURE

IMPORT FIXTURES

Watts Per
Fixture Edit Delete

N4	No	Best LED	ALED80	09 Parking/Area/New Fixture	80		
E5	Yes	Unknown	Unknown	04 Low/High Bay/Existing LED	160		
test imp	Yes	Existing	Existing	Troffer/HID	86		