

While we wait for folks to join, answer the following trivia question!

Common household bulbs (A19 lamps) use an E26 screw base. ***About*** how long have these screw bases been in use?

- a. 80 years
- b. 120 years
- c. 140 years
- d. 160 years

To answer this trivia question and today's polls, please go to:

www.slido.com

Enter Event Code

#ILC





Integrated Lighting Campaign

Opportunities for Partners

February 15, 2024



Trivia – Answer

Common household bulbs (A19 lamps) use an E26 screw base. ***About*** how long have these screw bases been in use?

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- b. 120 years
- c. 140 years**
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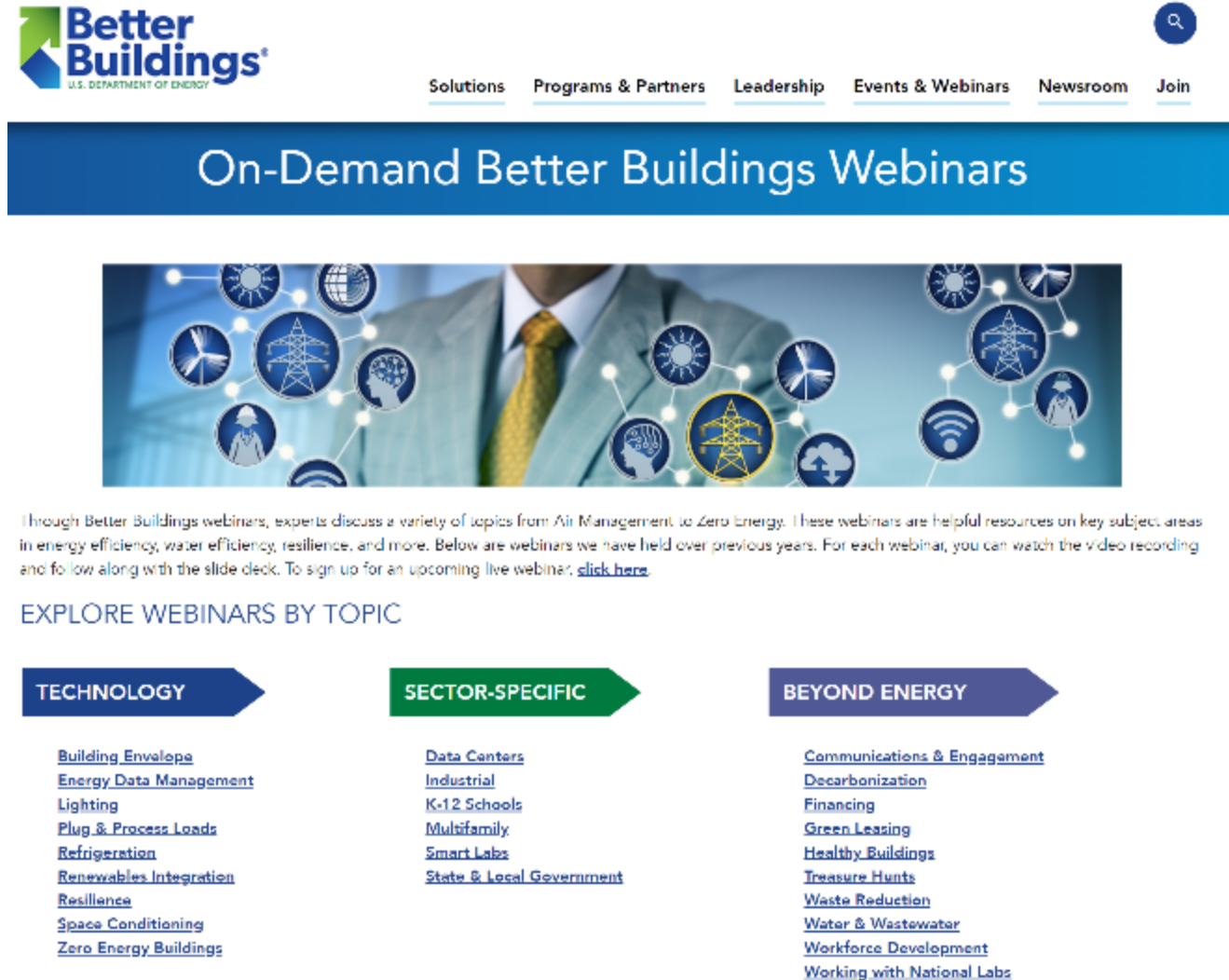
Edison screw bases were patented in 1881.

143 years ago!



Webinar Logistics

- **Slides and recording will be posted** on the [Better Buildings Solution Center webinar page](#)
 - We'll also send them out as soon as they're available!
- Enter your questions into **Slido** and we'll answer as best we can at the end
- For additional **questions or more information**, email IntegratedLighting@pnnl.gov




The screenshot shows the Better Buildings website header with the logo and navigation links: Solutions, Programs & Partners, Leadership, Events & Webinars, Newsroom, and Join. Below the header is a blue banner with the text 'On-Demand Better Buildings Webinars'. Underneath is a large image of a person in a suit with various energy-related icons overlaid. Below the image is a paragraph of text: 'Through Better Buildings webinars, experts discuss a variety of topics from Air Management to Zero Energy. These webinars are helpful resources on key subject areas in energy efficiency, water efficiency, resilience, and more. Below are webinars we have held over previous years. For each webinar, you can watch the video recording and follow along with the slide deck. To sign up for an upcoming live webinar, [click here](#).' Below this text is the heading 'EXPLORE WEBINARS BY TOPIC' and three columns of topics: TECHNOLOGY, SECTOR-SPECIFIC, and BEYOND ENERGY. Each column has a list of topics with underlined text.

Better Buildings
U.S. DEPARTMENT OF ENERGY

[Solutions](#) [Programs & Partners](#) [Leadership](#) [Events & Webinars](#) [Newsroom](#) [Join](#)

On-Demand Better Buildings Webinars



Through Better Buildings webinars, experts discuss a variety of topics from Air Management to Zero Energy. These webinars are helpful resources on key subject areas in energy efficiency, water efficiency, resilience, and more. Below are webinars we have held over previous years. For each webinar, you can watch the video recording and follow along with the slide deck. To sign up for an upcoming live webinar, [click here](#).

EXPLORE WEBINARS BY TOPIC

TECHNOLOGY	SECTOR-SPECIFIC	BEYOND ENERGY
Building Envelope	Data Centers	Communications & Engagement
Energy Data Management	Industrial	Decarbonization
Lighting	K-12 Schools	Financing
Plug & Process Loads	Multifamily	Green Leasing
Refrigeration	Smart Labs	Healthy Buildings
Renewables Integration	State & Local Government	Treasure Hunts
Resilience		Waste Reduction
Space Conditioning		Water & Wastewater
Zero Energy Buildings		Workforce Development
		Working with National Labs

Please go to www.slido.com

using your smartphone or by opening a new browser window

Enter Event Code
#ILC

Let's try a poll: Where are you calling in from today?

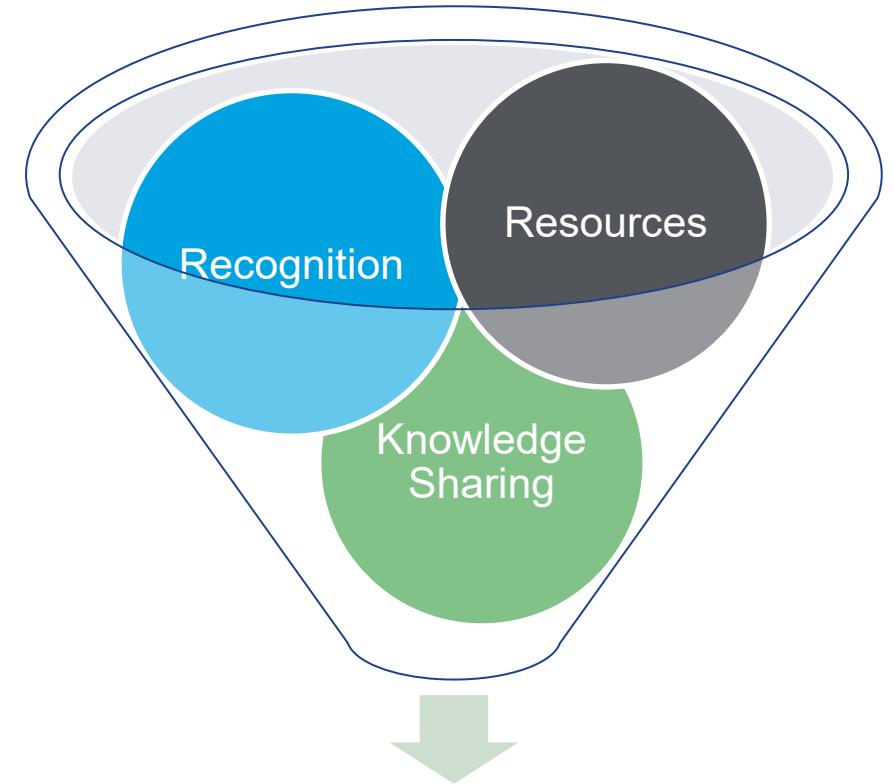
Agenda

- Introduction
- ILC Overview
- Resources and Technical Assistance
- 2024 Recognition Categories
- 2023 Recognition
- Timeline
- Q&A / Discussion Session

What is a technology campaign?

Technology Campaign: a collaborative platform to speed technology adoption

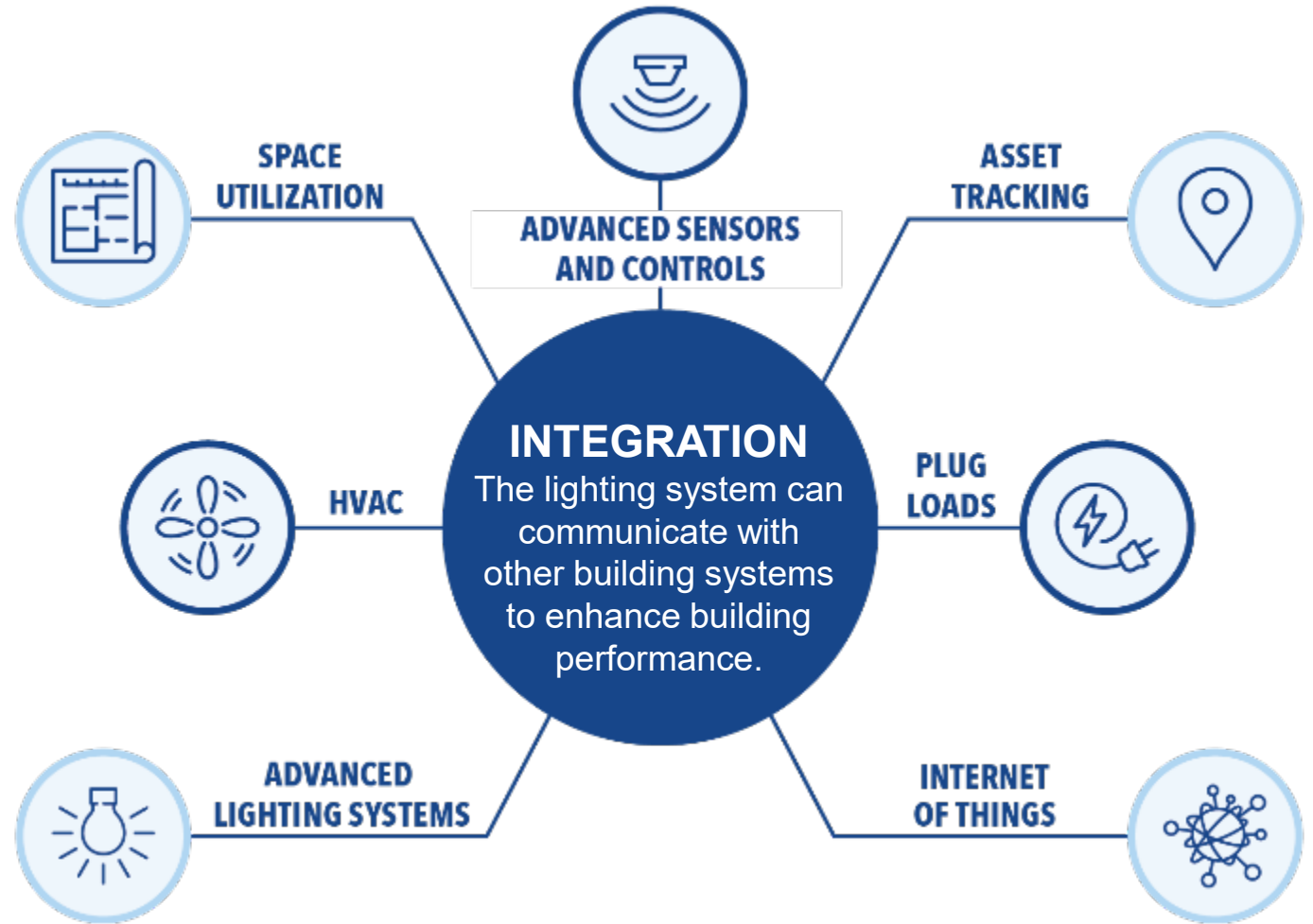
- The Campaign targets:
 - **Building owners and managers** who are open to adopting advanced and novel approaches to improve building performance
 - **Supporting organizations** that help facilitate adoption and support building owner managers
- Demonstrate and recognize **real-world savings and benefits**
- Provide resources that **make it easier for buyers** to consider new or underutilized solutions
- Celebrate **success!**



Overview – Integrated Lighting Campaign



The ILC recognizes **innovative lighting projects and organizations** that push the envelope in terms of integration, energy savings, novel capabilities, and non-energy benefits



ILC Organizers



Poll Question: Who do we have on the call today?

Let's get to know a little about you. Which of the following sector categories most accurately describe your organization?

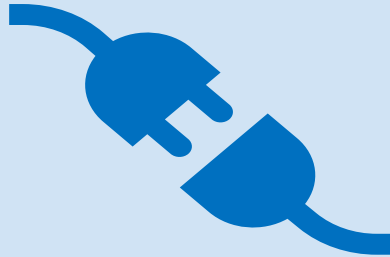
- a. Commercial Real Estate
- b. Government and public buildings
- c. Education (K-12 and Higher Ed)
- d. Healthcare
- e. Retail, Food Service, or Grocery
- f. Hospitality
- g. Exterior spaces
- h. Other
- i. Consultant/Designer/Engineer/ESCO
- j. Distributor/Manufacturer/Solution Provider
- k. Energy Efficiency Organization
- l. Utility

2024 Recognition Categories

Recognition Categories



Advanced Use
of Sensors and
Controls for
Lighting



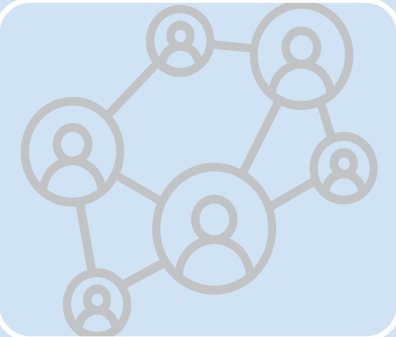
Integrated
Controls for Plug
Loads and
Lighting Systems



Integrated
Controls for
HVAC and
Lighting Systems



Integrated
Lighting and
Horticultural
Controls



Other
Integrated
Systems and
Lighting

Recognition Categories Continued



Innovative
Maintenance,
Operation,
and Financing
Service
Models



Advanced
Lighting Solutions
for Small
Buildings
(<50,000 ft²)



Germicidal
Ultraviolet
(GUV) Systems
for Energy
Savings and
Improved
Indoor Air
Quality



Sustainability
in Lighting



Energy Justice,
Diversity,
Equity, and
Inclusion in
Advanced
Lighting

Recognition Categories Continued



2023 Recognition Summary

Recognition Category	# of Recognitions
Advanced Sensors and Controls	5
Small Buildings	1
Integrated Plug Load Controls	0
Integrated HVAC Controls	0
Other Integrated Systems	1
Integrated Horticultural Controls	0
Germicidal Ultraviolet (GUV) Systems	2
Innovative Maintenance, Operation, and Financing Service Models	2
Sustainability	1
Energy Justice, Diversity, Equity and Inclusion in Advanced Lighting	1
Exemplary Supporter	2
Diversity, Equity, and Inclusion Champion	1

16
Total
Recognitions!

2023 Recognitions



ENVIRONMENTS
LIGHTING ENVIRONMENTS



2023 Supporter Recognitions



2023 Integrated Lighting Campaign
Recognition Category | Energy Justice, Diversity, Equity and Inclusion Champion

Light Justice



Maria T. Vargas
Director, Better Buildings Initiative
U.S. Department of Energy

August 5, 2023 



2023 Integrated Lighting Campaign
Recognition Category | Exemplary Supporter

California Energy Alliance



Maria T. Vargas
Director, Better Buildings Initiative
U.S. Department of Energy

August 5, 2023 



2023 Integrated Lighting Campaign
Recognition Category | Exemplary Supporter

Evergreen Consulting Group



Maria T. Vargas
Director, Better Buildings Initiative
U.S. Department of Energy

August 5, 2023 



Exemplary Supporter
DEI Champion



Exemplary Supporter



Exemplary Supporter

Recognition Promotion

2022 RECOGNIZED PARTICIPANT

CHICAGO SMART LIGHTING PROGRAM (CSLP)

Better Buildings ILC
U.S. DEPARTMENT OF ENERGY
INTEGRATED LIGHTING CAMPAIGN

CHICAGO SMART LIGHTING PROGRAM
The Green is a Smart Way Live

Location:
Chicago, Illinois

Recognition Category:
Other Integrated Systems and Lighting

Building Type:
Street Lighting

Project Partners:
AMERESCO

Integratedlightingcampaign.energy.gov

FOR MORE INFO, CONTACT US AT: INTEGRATEDLIGHTING@PNNL.GOV

Converted more than 280,000 high-pressure sodium streetlights to high-efficiency LEDs with smart Lighting Management System.



Considered one of the largest and most reliable Smart Technology Infrastructure systems in the country.

Achieved \$8.7 Million (46%) in annual energy savings.



The City of Chicago hired a diverse workforce for this project, including 27% Minority Business and 7% Women's Business Enterprise participation, and 10% workers from economically disadvantaged areas.

Resulted in improved and more responsive operations of lighting infrastructure.



In addition to monitoring outages, the lights can be turned on and off, dimmed, and monitored for ampacity, voltage, and wattage. This helps in troubleshooting outages and doing preventative maintenance.

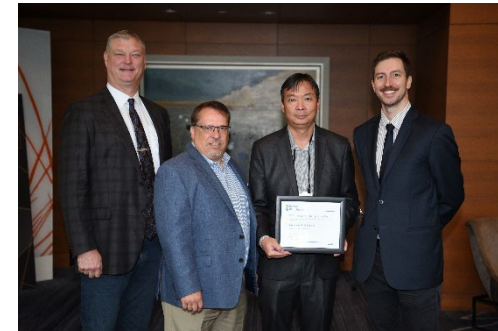


Infographics highlight key features, metrics and successes

Videos spotlight the participants, so they can tell the story



Recognition Event: IES Annual Conference, August 5, 2023



ILC Resources



Recorded
webinars
and training



Reports,
fact sheets,
and case
studies



Information
on utility
incentives

Technical Assistance – How can we help?

- Understanding available technology
- Connecting you to knowledge resources
- Outlining the potential investments, roles, and workforce needed to support potential technology upgrades
- Identifying and/or weighing the benefits, advantages, and potential disadvantages of technology upgrades
- Support with energy savings assessments or greenhouse gas reduction assessments
- Studies and assessments of completed installations



Submit for Recognition!

What are the benefits?

- Case studies and infographics developed
- DOE exposure through social media, emails, newsletters
- Featured in industry publications and social media
- Invitations to speak on your project
- Use of ILC Recognized logo
- Technical resources



A screenshot of the U.S. Department of Energy's website. The top section features a banner for the Northwest Energy Efficiency Alliance (NEEA) case study, titled '2022 RECOGNIZED PARTICIPANT'. The banner includes the Better Buildings and ILC logos, the location 'Portland, Oregon', and a square footage of 13,000. It features three images with callouts: 'DALI DALI drivers are embedded in each fixture, allowing for digital 2-way communication between the control system and driver', 'In addition to the general office lighting, accent lighting above and under the cabinets are integrated with the control system', and 'The system was commissioned in two days. The advanced controls enabled easy flexibility by allowing for easy reprogramming and reconfiguring of the space layout changes, without having to re-wire the system'. Below the banner is a 'FOR MORE INFO, CONTACT' button. The main content area shows an article titled 'Industry partners lead the way to better buildings via integrated lighting and controls' by Axel Pearson, dated September 6, 2022. The article text reads: 'The U.S. Department of Energy's (DOE's) Integrated Lighting Campaign (ILC) recognized 18 organizations for leading the adoption of advanced lighting controls and integration of lighting with other building systems. This campaign is part of the Better Buildings Initiative and worked with these partners, as well as 20 recognized last year, to demonstrate that integrated lighting systems are enabling deeper energy savings in buildings and creating an enhanced user and occupant experience. Partners were recognized at the Illuminating Engineering Society (IES) annual conference on August 18th, 2022. DOE recognized the following organizations this year'. The website footer includes logos for Better Buildings, GSA, DLC, NALMCO, IES, and the U.S. Department of Energy.

Ready to Submit for Recognition?

The screenshot shows the website header for the Integrated Lighting Campaign. The top navigation bar includes 'ENERGY.GOV', 'Office of ENERGY EFFICIENCY & RENEWABLE ENERGY', and the campaign logo. A search bar is located on the right. The main navigation menu includes 'ABOUT ILC', 'JOIN', 'NEWS', 'TECHNICAL ASSISTANCE', 'RESOURCES', 'RECOGNITION', 'PARTNERS', and 'CONTACT US'. The 'RECOGNITION' menu is expanded, showing options: 'OVERVIEW', 'RECOGNITION AREAS', 'SUBMIT FOR RECOGNITION', '2021 RECOGNITION', '2022 RECOGNITION', and '2023 RECOGNITION'. A red box highlights the 'RECOGNITION' menu item, and another red box highlights the 'SUBMIT FOR RECOGNITION' option. Below the navigation, there is a 'View Edit Delete Revisions' section. A large dark overlay contains the text: '2024 Submission Period Now Open! The submission process is now open for 2024 ILC recognitions and closes on March 31, 2024. Let's see your lighting projects! READ MORE'. To the right of the text is a photograph of a group of people holding award certificates.

Partners

Partners of the Integrated Lighting Campaign (ILC) are working together towards a common goal of making buildings more energy efficient and more comfortable for occupants. Through the campaign, lighting industry professionals are sharing knowledge, lessons learned, best practices, and resources so everyone can take advantage of savings opportunities and benefits of integrating lighting systems with other building and business systems in their facilities.

How to submit - tell us your story!

1. Complete the contact and building **information forms**.
2. **Answer the questions** in the forms to tell us about your project.
 - We've included examples to help you think about your project. The more you tell us, the better you can make the case for recognition!
3. **Click Submit!** We'll get in touch to confirm we've received your submission and communicate next steps.

Energy Savings and Benefits

For all projects, we'd like to know about energy is being saved and any other benefits are being achieved. This can include:

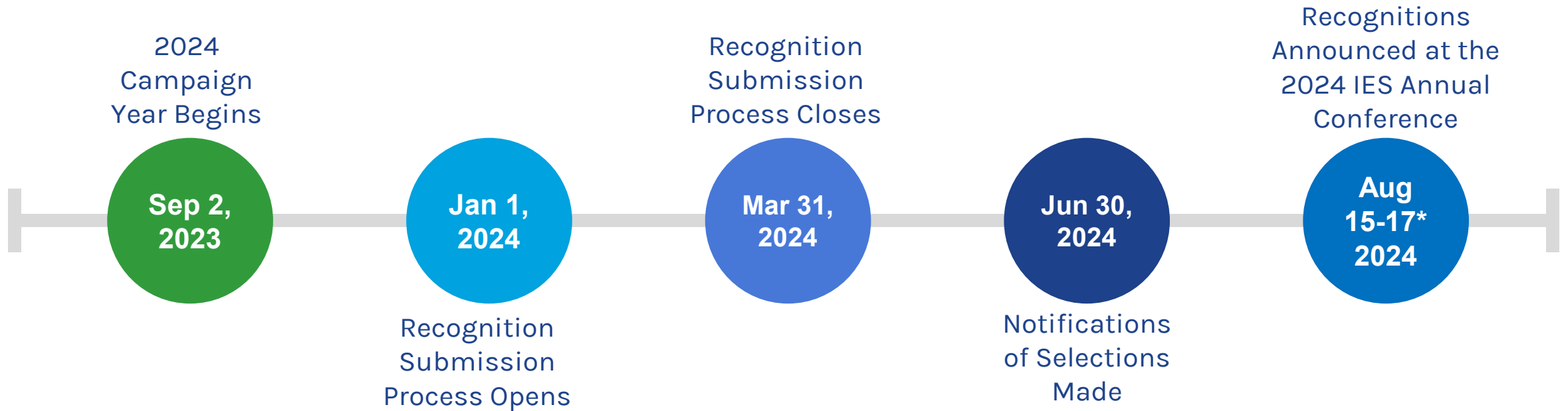
- Energy Savings
- Cost savings from reduced energy use
- Carbon emissions
- Non-Energy Benefits
- Other Measured or Perceived Benefits

Is this a small building or installation (under 50,000 square feet in size)?

Integrated lighting controls and lighting systems are not one-size-fits all. If your building or installation is small, if there is no building automation system or no facility manager, tell us how your small project has incorporated an energy-efficient and innovative integrated lighting system that works for the space and occupants.

Please describe.

Campaign Timeline



*Exact date of the Recognition Ceremony is TBD. We'll announce it as soon as we know!

Discussion and Q&A

Discussion questions (enter your responses into Slido):

- What else would you like to see from ILC?
- What would help you submit for ILC recognition?
- What would make being recognized more valuable?

Questions and Answers

- Enter questions into Slido

Other Questions or Comments?

Email us at
IntegratedLighting@pnnl.gov

Get involved: <https://integratedlightingcampaign.energy.gov>



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