



Smart Home Energy Management Systems (SHEMS) NEWSLETTER

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News & Announcements

Utility Partners Shaping the Future of Energy Efficiency in the Home

The EPA's ENERGY STAR Smart Home Energy Management Systems (SHEMS) program has established a utility roundtable designed to help advance smart home energy management systems. The roundtable is comprised of 65 utility experts in a variety of areas that can benefit from these solutions including but not limited to energy efficiency, consumer engagement, new homes and builder programs, distributed energy resource management, and demand response.

The group is currently working on case studies and best practices that will be presented at the annual ENERGY STAR Products Partner Meeting alongside a technology showcase of smart home energy management systems. Learn more about the in-person technology showcase opportunity [here](#). Learn more about the utility roundtable [here](#).

Checklist

If you offer the 10 things on this list, your system is a good candidate for ENERGY STAR certification. [Click here for the complete check list for certification.](#)

Can Your System...

1. Control an ENERGY STAR certified Smart Thermostat?
2. Control either a smart light switch (standby power ≤ 0.5 W) that can report energy, or an ENERGY STAR certified smart lighting product?
3. Connect to a smart plug, outlet, power strip, home energy monitor, smart breaker panel, or other device (standby power ≤ 1.0 W) that controls miscellaneous loads or reports circuit-level energy use data?

4. Control an ENERGY STAR certified connected water heater or smart water heater add-on controller?
5. Detect room, apartment, or home occupancy based on a non-battery-powered occupancy sensor (may be integrated in other devices)?
6. Control devices remotely, provide energy saving tips, and produce energy savings with system automated actions?
7. Report estimated or actual energy use of connected devices in a dwelling to the user?
8. Perform a demand response event on at least one smart device?
9. Allow a user to integrate with a utility time of use program?
10. Aggregate 6 months of system data from at least 30 installations with devices from questions 1-3?

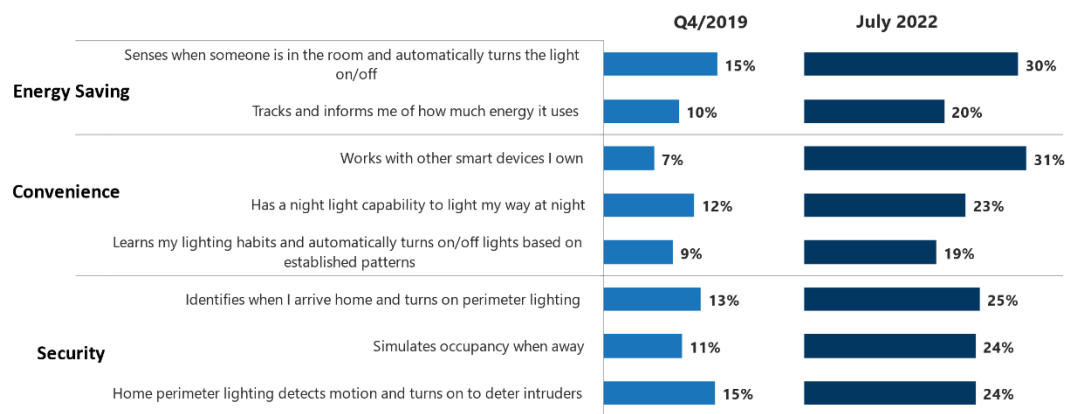
News You Can Use

Research shows consumers have increased interest in smart systems that offer features aligning with the ENERGY STAR SHEMS criteria – things like occupancy information, patterns and automatic control for energy savings.

Interoperability, Efficiency, & Presence Awareness



Important Features for Smart Lighting Device Purchase



% Ranked as Top 3
Among Smart Lighting Bulb/Control System Owners or Intenders | © 2024 Parks Associates

#SmartEnergy24

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ENERGY STAR SHEMS On the Road

Upcoming

ENERGY STAR[®]
PRODUCTS PARTNER MEETING

September 17– 19, 2024 Minneapolis, MN

The ENERGY STAR Smart Home Energy Management Systems (SHEMS) Showcase at the Annual ENERGY STAR Products Partner Meeting

The U.S. Environmental Protection Agency (EPA) is pleased to announce the 2024 ENERGY STAR Products Partner Meeting on Tuesday, September 17 – Thursday, September 19, 2024, in Minneapolis, Minnesota. This annual meeting of energy efficiency stakeholders brings together product manufacturers, retailers, utilities, utility program implementers, state energy officials, and more to network and collaborate on our shared goals of advancing adoption of ENERGY STAR certified products and best practices in consumer engagement.

On Thursday, September 19th, we will be holding a showcase for stakeholders to discuss how smart home energy management systems help meet utility program goals, learn about programs around the country and ENERGY STAR certified SHEMS offerings. We will present the work products from the ENERGY STAR SHEMS Utility Roundtable and offer a technology showcase for companies who have completed or are close to completing ENERGY STAR certification of their smart home energy management systems.

This event will provide an opportunity for utilities to share their program plans and industry solutions providers to showcase their technology and connect with one another on business opportunities. If you would like to showcase your smart home management solution, contact Amanda Warwood, Amanda.Warwood@ICF.com.

2024 ENERGY STAR Products Partner Meeting | ENERGY STAR

Past



[DISTRIBUTECH International® 2024: The leading T&D Event: Taylor Jantz-Sell, U.S. EPA and Juliet Shavit, SmartMark Communications spoke about ENERGY STAR SHEMS at DISTRIBUTECH 2024:](#)

Advancements in Smart Energy Devices: Pioneering a Greener Home – Panelists discussed the latest advancements in smart energy devices that are transforming residential energy management. They discussed cutting-edge technologies such as smart thermostats, energy monitors, and connected appliances that provide real-time energy consumption data, enable remote control, and facilitate intelligent energy optimization. Participants learned how these devices empower homeowners to make informed decisions, reduce energy waste, and contribute to a greener future.

Taylor was joined by Google, SmartThings, vipHomeLink and Universal Electronics in this session.

[ENERGY STAR SHEMS 101: Benefits of Certifying Smart Home Systems](#)

Tuesday, February 20, 2024

The future of smart energy management is in the home!

The ENERGY STAR Smart Home Energy Management Systems (SHEMS) team recently presented on how receiving SHEMS certification could help your company position itself as an industry leader and drive adoption of your products and solutions. They discussed what utilities are doing at the “grid-edge” with smart home and the role smart home technology is playing in next generation energy management. This session walked through what it takes to get certified and showcased some examples of successful certification in market. Missed the webinar? [Access the slides here.](#)

Optimize the products in your home for energy savings

with ENERGY STAR certified
Smart Home Energy Management Systems



SHEMS RESOURCES

[SHEMS Partners Page](#)

[SHEMS Certification Checklist Tool](#)

[SHEMS Key Product Criteria](#)

[SHEMS Utility Roundtable Page](#)

RECOGNIZED SHEMS CERTIFICATION BODIES

UL Verification Services:

Nelson Costa at Nelson.Costa@ul.com

Learn more about certifying a smart home platform on the resources on the SHEMS for Partners [page](#). Looking forward to helping our future get energy smart together! Have SHEMS insights to share from a pilot or research? Please contact Taylor Jantz-Sell, Jantz-Sell.Taylor@EPA.Gov.

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