



Center for Sustainable Landscapes | Pittsburgh, PA Photo: Paul G. Wiegman

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New Buildings Institute

Our vision: a built environment that equitably delivers community benefits and climate solutions

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What is New Buildings Institute?

- 501(c)(3) nonprofit
- 25+ year history
- **Mission:** We advance best practices, codes, and policies through market leadership, research, guidance, and technical advocacy toward a built environment that equitably delivers community benefits and climate solutions.

www.newbuildings.org



NBI headquarters office at PAE Living Building, Portland, OR Photo by Portland Drone

GRIDOPTIMAL[®]

BUILDINGS INITIATIVE

- Launched mid-2018, ongoing
 - *New building-grid interaction metrics*
 - Metrics published ([blog](#), [white paper](#))
 - Design and Operations Guidance [Fact Sheets](#)
 - [LEED Credit](#): GridOptimal Building ACP (& soon, v5)
 - Utility program guidance ([memo](#), [dashboard](#))
 - [ASHRAE](#) Grid Integrated Buildings Resource Guide
 - Codes, standards, and policy deployments

newbuildings.org/gridoptimal

A Joint Initiative Of:

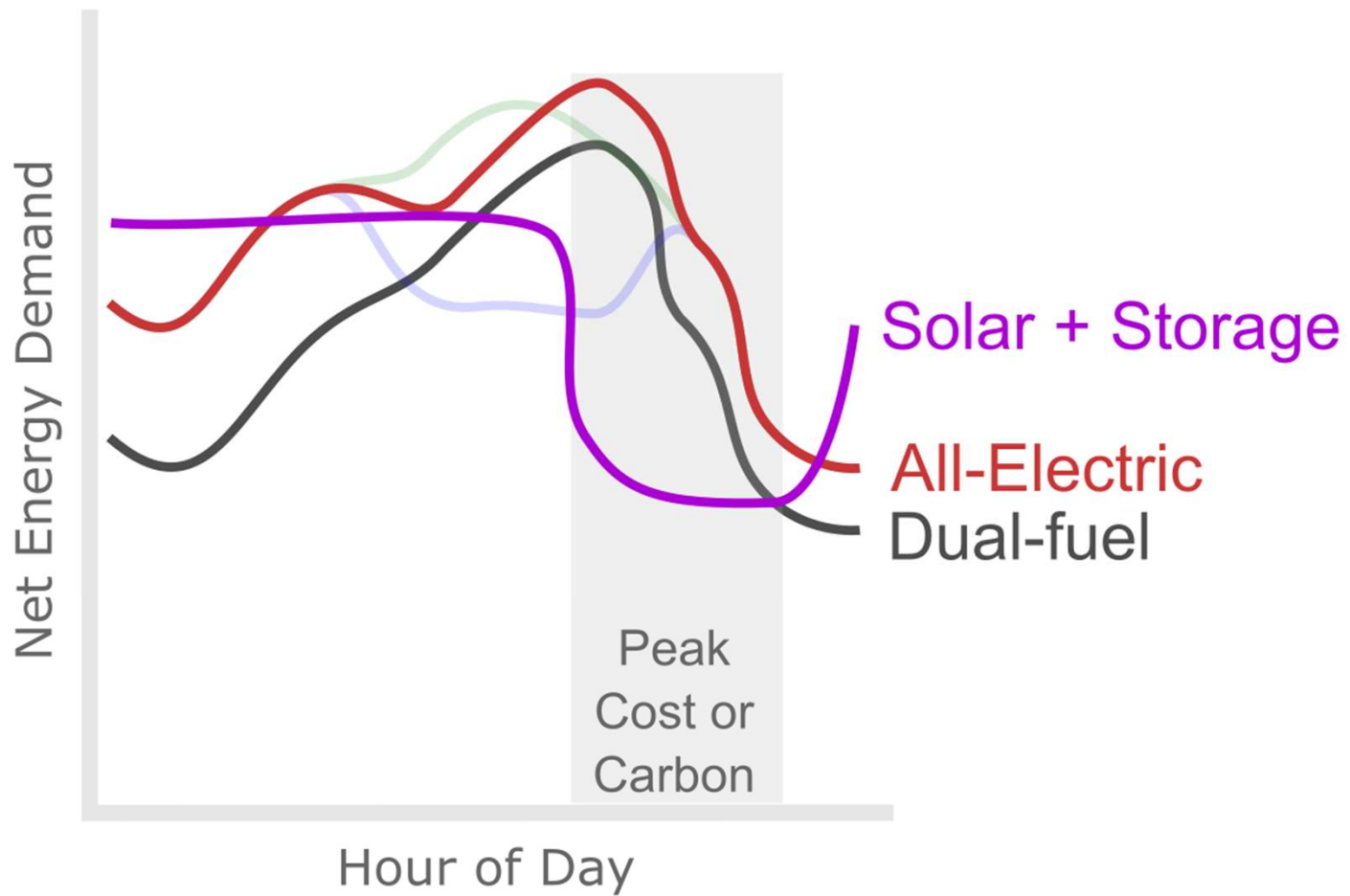
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Supporting Members:



Grid-Interactive Building Demand Management



GridOptimal Metrics Calculator Demo



LEED BD+C: New Construction • v4.1 - LEED v4.1

GridOptimal Building ACP

Pilot credits

EApC152 | Possible 3 Points

Share on

Language Guide Addenda Resources and tips Courses Forum

← All credits

Intent

To encourage building designers and operators to evaluate the relationship between building energy use and load shape and the electricity grid that supplies the building and to enact strategies that optimize building peak load factor, energy time of use, demand flexibility and resilience capabilities.

Requirements

For LEED v4 BD+C projects, this pilot ACP is available as an alternative to LEED v4 EA credit Demand Response. Project teams may earn up to 2 points plus one exemplary performance point depending on the Option pursued.

For LEED v4.1 BD+C projects, this pilot ACP is available as an alternative to LEED v4.1 EA credit Grid Harmonization. Project teams may earn up to 2 points plus one exemplary performance point depending on the Option pursued.

Language Guide Addenda Resources and tips Courses Forum

← All credits



LEED v4.1 Grid Harmonization
GridOptimal ACP Accompanying...

Guidance • PDF



GridOptimal Building Pilot ACP
Calculator

Calculators • Excel Doc



SAMPLE DOCUMENTATION –
LEED GridOptimal Building Pilot...

Tables • Excel Doc

↑
Blank Sheet

↑
Sample

<https://www.usgbc.org/credits/gridoptimal-152-v4.1>

Questions?

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