

Fan Energy Index - Efficiency Awareness

Alexis Muench
Program Manager, NEEA



Who is NEEA?



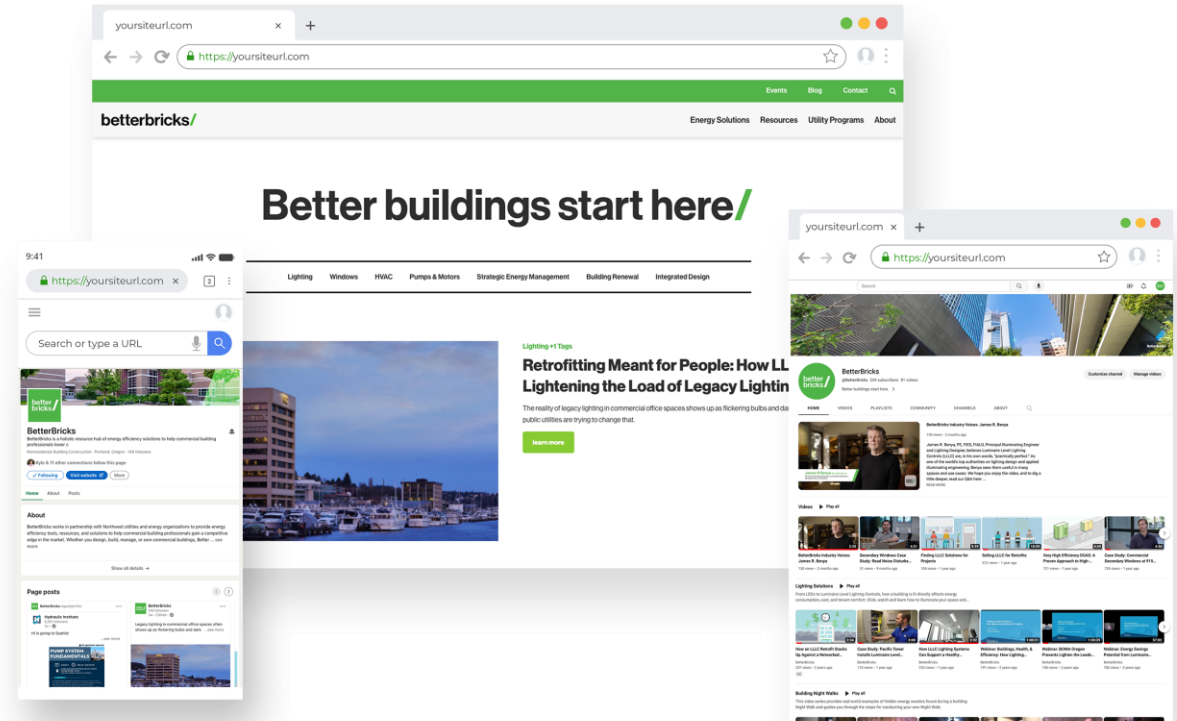
Who is BetterBricks?



What is BetterBricks?

Working in partnership with Northwest utilities and energy organizations to provide energy efficiency tools, resources, and solutions to help commercial building professionals gain a competitive edge in the market.

- ▶ **betterbricks.com**
- ▶ **LinkedIn/YouTube: @BetterBricks**



Efficient Fans



The Efficient Fans program works upstream with manufacturers to produce and promote efficient fans and fan system components.

By promoting reliable energy metrics such as Fan Energy Index that allow manufacturers to differentiate products, and by focusing on energy efficiency in the fan selection process, NEEA's goal is to improve the overall market efficiency of fans.

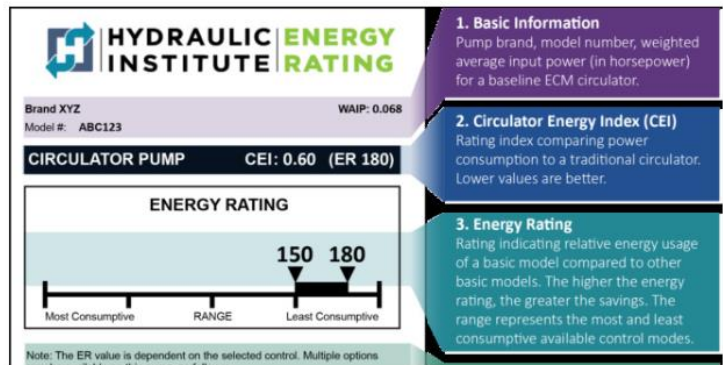
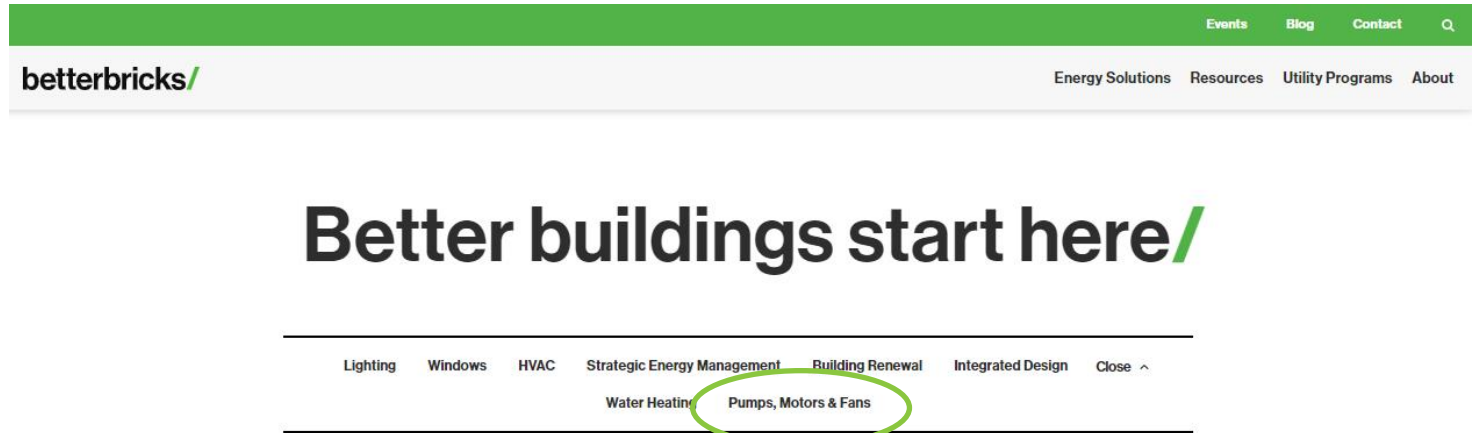
Efficient Fans on betterbricks.com



betterbricks.com home

Select 'Pumps, Motors and Fans' on the home page.

[betterbricks.com](https://www.betterbricks.com)



Pumps, Motors & Fans +1 Tags

A Closer Look: Hydraulic Institute's Circulator Pump Energy Rating Label

Circulator pumps operate in a range of methods and modes, meaning they can be configured to meet the needed pump head and flow for many applications. This flexibility of use makes it easier for installers to keep them on hand or in their service vehicles, install them, and complete the project. But how does an installer know which circulator pump is the right model for the project?

[learn more](#)

Pumps, Motors and Fans

Select 'Efficient Fans' from the 'Pumps, Motors and Fans' page.

betterbricks.com/solutions/pumps-motors-fans

The screenshot shows the Betterbricks website interface. At the top, there is a green navigation bar with links for 'Events', 'Blog', 'Contact', and a search icon. Below this is a white header with the 'betterbricks/' logo on the left and a menu with 'Energy Solutions', 'Resources', 'Utility Programs', and 'About' on the right. The main content area is titled 'Pumps, Motors & Fans' and includes a sub-header: 'Learn how to identify, improve and measure the efficiency of motor driven products, such as pumps, fans, and compressors, to achieve significant savings potential.' Below the sub-header is a horizontal navigation bar with two tabs: 'Pumps & Motors' and 'Efficient Fans'. The 'Efficient Fans' tab is circled in green. Underneath is a 'Featured Downloads' section with two cards. The first card features an image of a smart pump and is titled 'Smart Pumps: The Future of Efficient and Reliable Pump Control'. The second card features an image of a large industrial fan and is titled 'Fan Efficiencies and Energy Regulations 101'. Both cards include a short introductory paragraph and a green 'learn more' button.

Efficient Fans

Find helpful resources and information related to efficient fans such as fact sheets, articles, blogs and more!

betterbricks.com/solutions/efficient-fans

Efficient Fans

New energy codes and regulations around fans is starting to take effect, including a shift in the way fan efficiency is measured. The new Fan Energy Index (FEI) addresses both the fan model's efficiency *and* how a specific fan will perform based on its application, which stands to deliver significant energy savings potential for commercial and industrial buildings.



[Pumps, Motors & Fans +1 Tags](#)

Getting Up to Speed on Fan Efficiency Regulations

Get up to speed on all things ASHRAE 90.1, Fan Efficiency Grade metric, and Fan Energy Index (FEI)—including the benefits FEI offers engineers in selecting fans that will reduce energy consumption—in this two-part blog post from Greenheck.

[Blog](#)



[Pumps, Motors & Fans +1 Tags](#)

California Commercial and Industrial Fans and Blowers Regulations Pave the Way for Northwest

New energy codes and regulations around fan efficiency is starting to take effect in states across the country, including in Montana, Oregon, and Washington. With these changes comes a shift in the way fan efficiency is measured. Download this fact sheet from the California Appliance Efficiency Regulations (Title 20) to get a glimpse of what's coming soon for fan codes and regulations in the Northwest.

[Blog](#)



[Pumps, Motors & Fans +1 Tags](#)

Fan Efficiencies and Energy Regulations 101

In the past five years, manufacturers and regulators have adopted the new FEI metric to characterize fan efficiency, which offers a simpler and more versatile approach to fan selection and compliance verification. Learn how energy codes and regulations have recently shifted and what to know and expect from the roll-out of ASHRAE 90.1-2022 and the new FEI metric.

[learn more](#)

betterbricks.com event page

Check out the events page for future events related to Efficient Fans.

Sign up for the BetterBricks newsletter at the bottom of the page.

betterbricks.com/events



December 6, 10:00 AM - 2:30 PM 2023

Ecotrust Building - Billy Franks Jr. Room

Portland Fan Energy Index Efficiency Symposium

In this half-day session, attendees will learn about the Fan Energy Index (FEI), explore system effect, and understand how to select air distribution equipment for maximum FEI value.

register free

Sign up for the newsletter to keep up with BetterBricks tips and guides.

enter email here

sign up

Utility Resources



Utility Resources:

Seattle:

- Puget Sound Energy: [PSE | Custom Retrofit Grants](#) (see installation of VFDs on fans)
- Tacoma Power – Custom Projects: [Custom Projects - Tacoma Public Utilities](#)
- Snohomish PUD – VFDs on Air Handling Unit Fans: [All Business Rebates - Snohomish County PUD](#)

Portland:

- Clark Public Utilities – Custom Projects: [Custom Projects - Clark Public Utilities](#)
- Energy Trust of Oregon: [Industry: Fans - Energy Trust of Oregon](#)

Find out more about utility programs by zip code [here](#).

The background of the slide is a photograph of a modern building with a glass facade and a tree in the foreground. The building is a multi-story structure with a grid of windows. The tree has green leaves and is in the foreground, partially obscuring the building. The sky is blue and clear. The overall scene is bright and sunny.

Thank you!

Alexis Muench

Program Manager

NEEA

amuench@neea.org