



# **AEP Ohio**

Energy Efficiency and Peak Demand Response  
Research & Development

Julie Volpe Walker  
Principal Engineer  
[javolpe-walker@aep.com](mailto:javolpe-walker@aep.com)



## EE/PDR Research & Development

---

- 2017-2020 Energy Efficiency/Peak Demand Reduction Action Plan
  - annual budget ~ \$2.5 million
- Two employees in R & D
- Typically outsource implementation and evaluation
- Opportunities
  - New Technologies
  - Program Managers
  - Customers
  - Collaborative members
  - Conferences



# AEP Ohio MarketPlace

- **58%** of visitors have a more favorable opinion of AEP Ohio
- **5,246 MWh** gross energy savings for non-rebated products
- Reached **241,627** unique visitors

[www.aepohiomarketplace.com](http://www.aepohiomarketplace.com)

The screenshot shows the AEP Ohio MarketPlace website interface. At the top, there is a search bar with the text "Search by type, brand, model..." and a magnifying glass icon. Below the search bar, there are filters for "1,850 Refrigerators" and a price range of "\$500 - \$5,000". A "Track Prices" button is visible in the top right corner. The main content area features a bar chart showing the distribution of search results based on their Eneerave Score, ranging from 0 to 100. Below the chart, there is a section titled "How efficient are your search results?" with a subtext: "The Eneerave Score translates product performance and energy usage into a clear 0-100 score." The product listings are arranged in a grid, showing six items with their respective prices and energy efficiency scores:

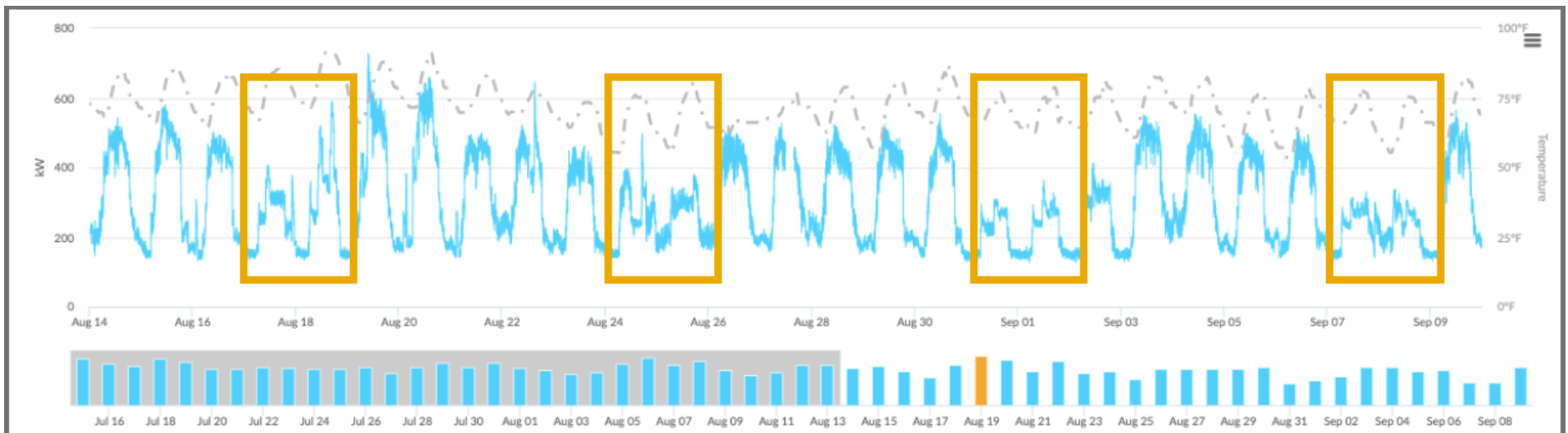
Product Name	Price	Energy Efficiency Score
Whirlpool WRR56X18FW Whirlpool - 17.8 Cu. Ft. Refrigerator - White	\$849	95
Gladiator GARF30FDGB Gladiator 31 Inch All-Refrigerator	\$1,200	96
Liebherr MRB2400 Liebherr MRB2400	\$4,999	96
Danby DAR110A1BSLDD Danby DAR110A1BSLDD	\$585	93
Frigidaire FGRU19RQF Frigidaire - Gallery 19.0 Cu. Ft.	\$1,704	93
Danby DAR110A2LLDB Danby - Contemporary Classic 11 Cu. Ft.	\$628	93



An AEP Company

## Real Time Data Pilot

- Captures AMI meter data in 1 minute intervals and displays via a web interface.
- Monitor and diagnose equipment issues.
- Provides alerts and coaching support for customers to understand and better manage their energy usage.
- Supports benchmarking of multiple locations.



- ***Example of weekends having inconsistent setback schedules.***



**Thank you!**

Julie Volpe Walker  
Principal Engineer  
[javolpe-walker@aep.com](mailto:javolpe-walker@aep.com)