



stash
ENERGY

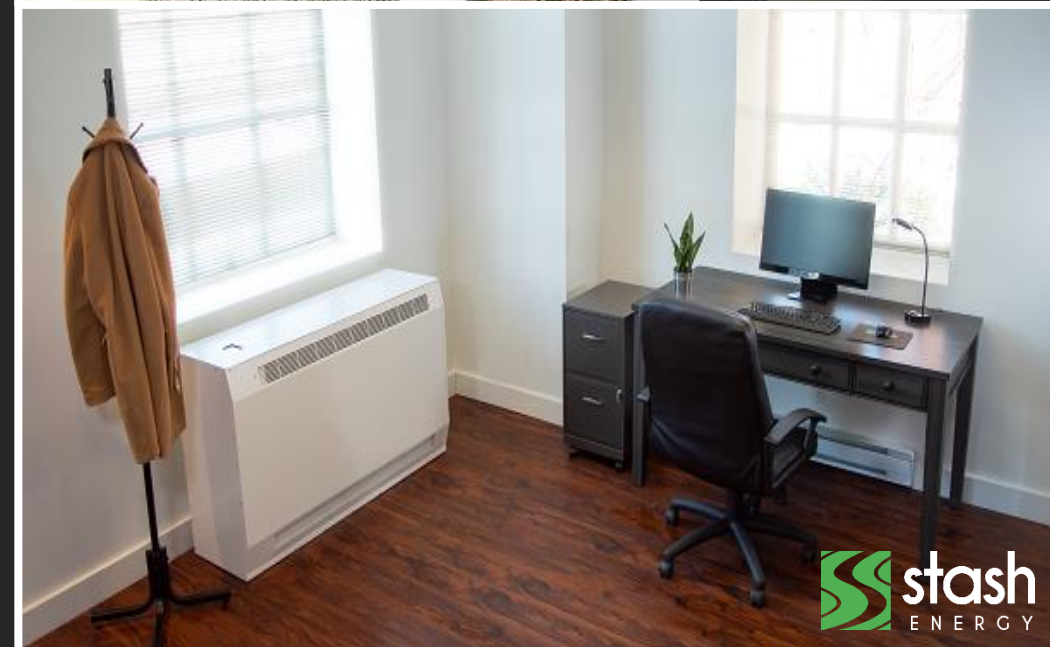
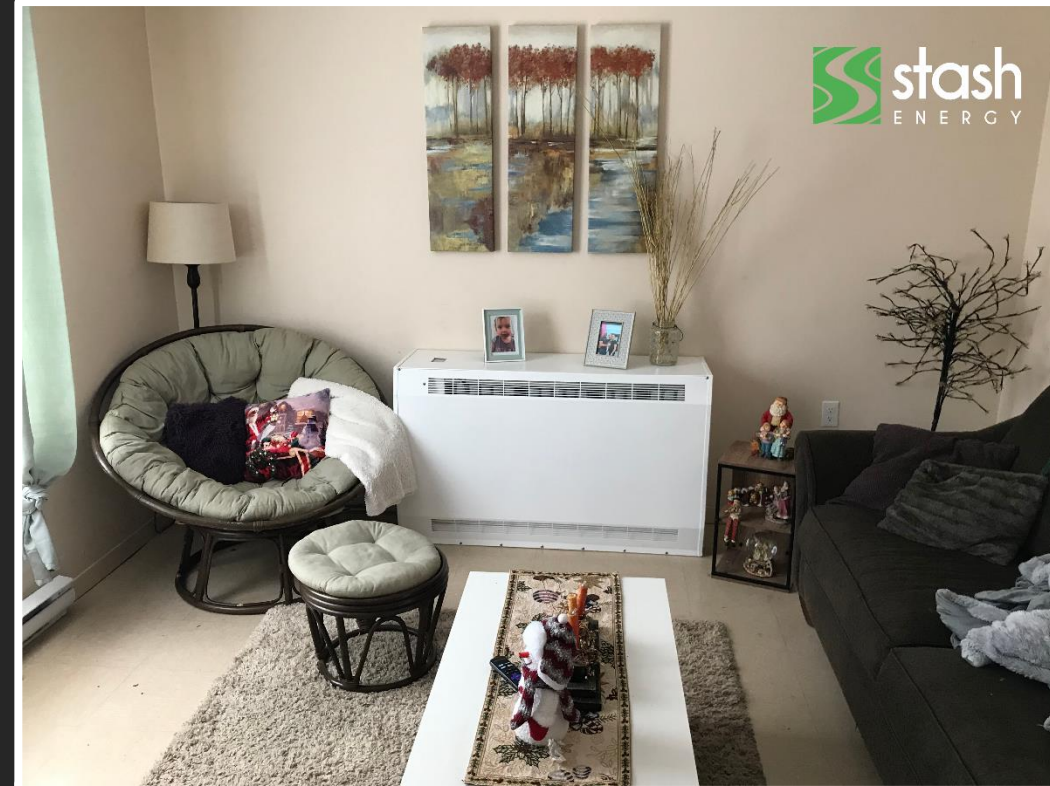
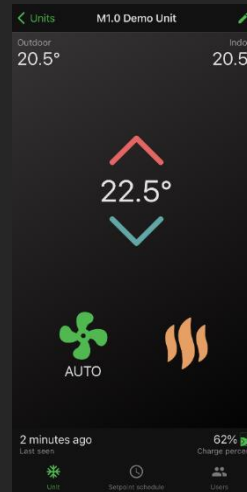
ConEd Building Decarb Summit

April 2024

Stash Thermal Storage System

Current Product:

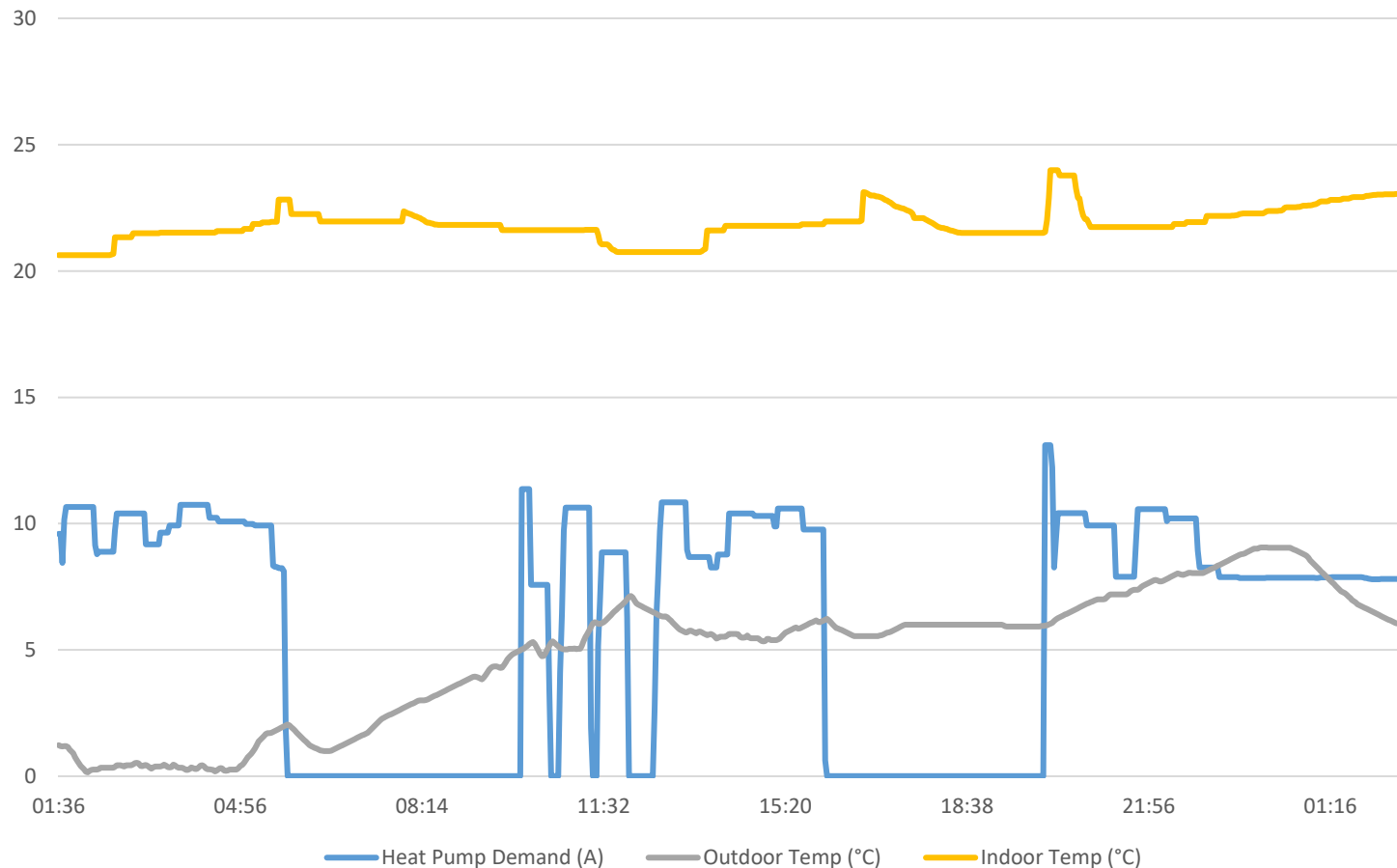
- 5 kWh Integrated Energy Storage
 - 2kW Demand Reduction for ~4 hours
- Smart Thermostat & Smart Grid End-Point (REST API)
- Patent Filed in North America and Europe
- Sold With High-Quality Cold-Climate Heat Pump



Energy Peak Management



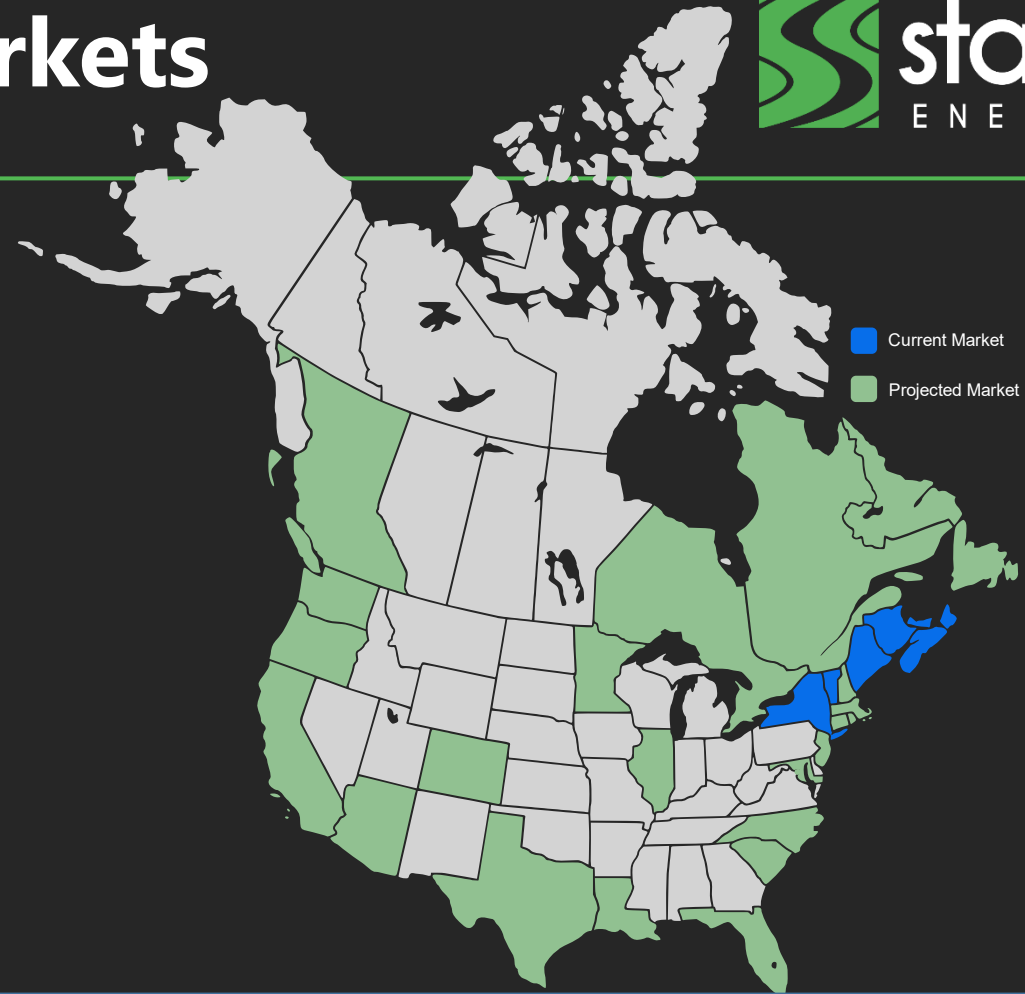
M1.1 Demand Response (2 DR Calls)



Example in Atlantic Canada:

- 2 Demand Response calls from utility
 - Morning
 - Evening
- No indoor temperature drop-off
- Controllable peak from "charging" the PCM
- Significant homeowner savings under this utility's rate structure

Traction and Target Markets



■ Current Market
■ Projected Market

Utility Demonstration Projects

- Focus on markets with significant and growing electric heating demand



NY Demonstration Project



Background:

- NextGen HVAC PON
- 50 Stash Energy Mini-Split Heat Pumps
 - Installations begin Fall 2024

3rd Party Measurement and Verification Partners:

- Smart Grid Innovation Network

Project Goals:

- Simulate Winter and Summer demand response effectiveness
- Measure GHG-reduction potential of the Stash Heat Pumps
- Measure the \$\$ savings potential in NY

Next Steps:

Identify Partners & Test Sites:

- Low-rise apartment buildings





Thank You!

Dan Curwin
VP of Market Development
dcurwin@stash.energy