



Phase 1 rollout of Turntide smart motors accelerates progress towards aggressive emissions goals by **reducing energy consumption by 67% and saving \$2.3M**



In 2019, a leading Big Box Retailer implemented the Turntide Smart Motor System™, a simple, drop-in energy conservation measure that reduces HVAC energy use in rooftop units (RTUs) found in its store locations. Turntide moved from a successful pilot to a phase 1 rollout across over 300 stores.

Phase 1 Rollout Scope

321

Store locations

1,816

Turntide Smart Motors

3 years running starting in 2019 at a pilot store location

Phase 1 Rollout Results

\$2.3M

Energy Cost Savings

67%

Average Motor Energy Savings

17.7M

kWh in Energy Savings

2.55

Year payback period

\$2M+

Technology Incentives Received

Accelerating ESG Goals While Achieving Higher Profitability

With a Turntide motor replacing an induction motor on 321 rooftops, Turntide has reduced motor energy use by an average of 67%.

By installing Turntide motors on store rooftops, this leading big box retailer has done its part to preserve its community for future generations, all while adding \$2.3M to its balance sheet. Additionally, in the Ontario province, they received \$2M+ in technology incentives for installing Turntide smart motors, which further reduced the project's payback period. It is further proof that straightforward equipment retrofits equals a synergistic solution for the retailer and our environment.

Phase 1 Turntide Motor Rollout:

Real-World Impact On Greenhouse Gas Emissions Per Year



2,741 tons
CO2e reduced



280,000
fewer gallons of gas used



3,000
acres of forest planted



95,000
LED light upgrades

TURNTIDE TECHNOLOGY FOR SUSTAINABLE OPERATIONS

Our breakthrough technologies accelerate electrification and sustainable operations for energy-intensive industries.