

# Eco-Conscious Sprouts Farmers Market Elevates its Sustainability Program with Upgrades to Rooftop Motor Units

## The Challenge

Sprouts' commitment to the community goes well beyond offering fresh, natural products at reasonable prices. It also focuses on ensuring its operations are good for the environment. Their zero waste program includes multiple measures to ensure that no food goes to waste. They also keep a keen eye on their facilities to lead the industry in store efficiency and sustainability.

Sprouts incorporates eco-friendly building materials wherever possible and constantly looks for ways to conserve energy and water. They've implemented features like night curtains, natural lighting, and LED lighting in their stores, and have achieved EPA Green-Chill certification for 76 of their stores, receiving the EPA's Store Certification Excellence Award as a result. They have even begun successfully implementing Second Nature™ CO2 Ejection refrigeration technology, the most energy-efficient and environmentally-friendly refrigeration system available in the industry. Now they are working on gaining efficiencies in another of their biggest energy users - HVAC electric motors.

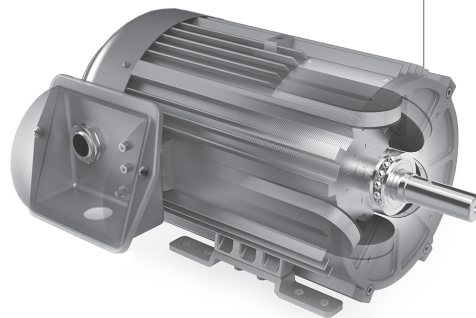
## The Solution

Sprouts turned to the Turntide Smart Motor System—the LED of Motors®—to help them gain efficiencies and intelligence in their HVAC systems. Selecting a pilot site in Sunnyvale, CA, Sprouts and Turntide developed a baseline using four weeks of monitoring and verification data. The existing motors in five RTUs were then swapped for Turntide Motor systems: three V03s, one V02, and one V01.

## Results

Results were evident almost immediately. The Turntide Motor Systems enabled Sprouts to add HVAC motors to their already impressive sustainability and efficiency measures. In addition, they now have real-time visibility of the efficacy of their system and an accurate picture of the significant energy savings they are realizing.

Based on these results, Sprouts is moving forward with a roll out of multiple stores in California.



## Profile

An up-and-coming natural grocer that has sustainability built into the business model. Focusing on farm-fresh produce and other healthy items, Sprouts has grown to over 300 stores across the United States



### **BUILDING SIZE**

35,000 sq. ft.



### **PROJECT TYPE**

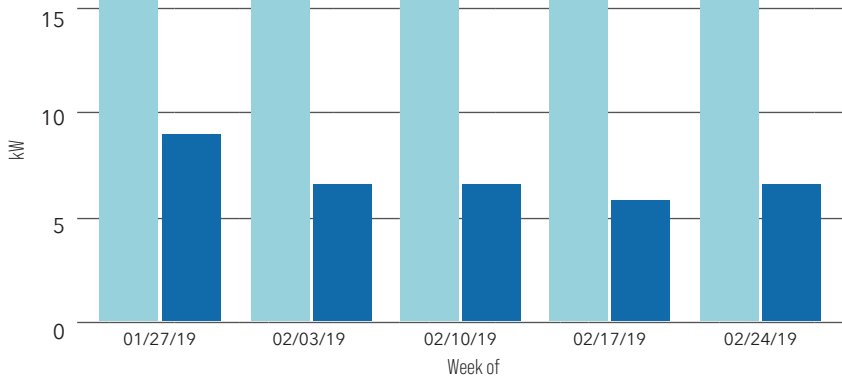
5 RTU HVAC System Motor Replacements



### **SMART MOTOR SYSTEM SIZES**

(3) 10HP, (1) 5 HP  
(1) 3 HP

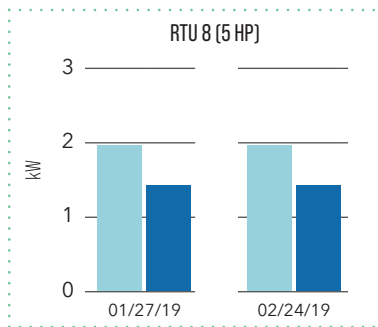
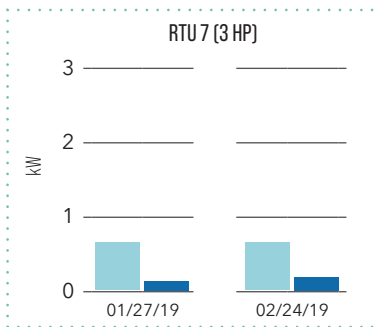
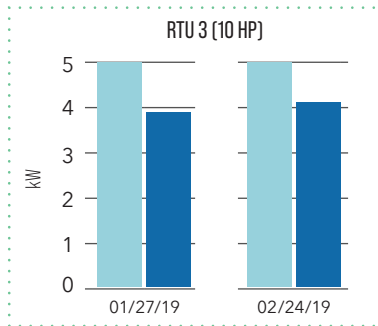
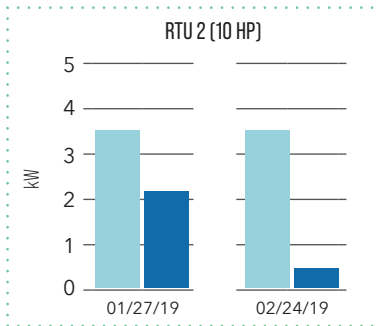
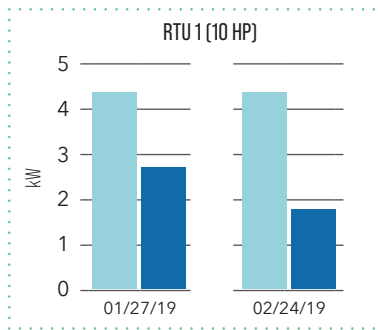
## TURNTIDE POWER DRAW VS. BASELINE



## Power draw comparison by motor

(01/27/19 : 02/24/19)

● Baseline  
● Turntide



\$7.6K

Combined annual savings gained by installing optimal efficiency motors

39%

Annual kWh savings from combined retrofits of the five RTUs

1.37

Years to return on investment



Turntide Technologies (formerly Software Motor Company) has developed the world's most efficient and intelligent electric motor system. The revolutionary Smart Motor System is based on proven switched reluctance technology, now managed with advanced cloud software and connected to precise controls via IoT. Turntide's vision is to eliminate the 25% of global electricity consumption that is wasted by legacy motors, thus accelerating the world's transition from fossil fuels. Turntide is based in Sunnyvale, Calif., with offices in San Francisco; Arlington, Wash.; and Kennesaw, Ga. Turntide has installed Smart Motor Systems with dozens of customers, reducing their motor electricity consumption by an average of 64%, and is powering the systems of leading OEMs. For further information, visit [www.turntide.com](http://www.turntide.com).

**POWER IS VALUABLE. USE IT INTELLIGENTLY.**

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