

STORIES BEHIND THE BATTLE



TOMS RIVER VERIZON WIRELESS

Verizon Wireless
Toms River, N.J.

RECOGNITION:

#3 overall winner
#1 winner, retail category
20% energy use reduction

SAVINGS:

43% energy savings
\$7,400 estimated cost savings
56 MtCO₂e greenhouse gas emissions prevented

BUILDING STATS:

Type: Retail
Ending EUI: 226 kBtu/Sq. Ft.

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"Team up with other energy champions in your company. At Verizon Wireless, we take energy conservation seriously and have a group of dedicated people nationwide who help improve efficiency. Don't worry if you have to start small; doing the right thing tends to gain momentum!"

Shine brighter for less with LED technology

During the conversion remodel performed in November 2011, Verizon Wireless replaced several lighting components within this project. The team greatly reduced the watts being consumed at this location by replacing a total of 90 fixtures that once used 7,050 watts daily. These heavy consumption fixtures were replaced with a total of 142 LED-based fixtures that now only use 1,700 watts on a daily basis. Furthermore, Verizon Wireless replaced three exterior neon signs with LED versions that saved an additional 3,800 watts on a daily basis. This location is now consuming, on average, over 9,000 fewer watts per day, which is mainly due to installing these LED, energy-efficient lighting fixtures.

Keep heat in during the winter and out during the summer

In addition to replacing the lighting fixtures within the space, the team added two inches of drivet / foam along 40 feet of the south side of the building, which has increased the overall insulation value of the space. Finally, they've installed 1,550 linear feet of solar control window film (3M PR 70), which has assisted in keeping the heat loads down within the building. By reducing the demand on the mechanical units, the team has achieved an even greater energy reduction.

Automate savings with an EMS and motion sensors

The Hooper Avenue location in Toms River New Jersey has had several "green initiatives" put in place to cut energy costs at this large facility. One of these initiatives is an energy management system (EMS) that controls lighting and HVAC for the building. The EMS system allows Verizon Wireless to automatically turn interior lighting on and off based on the operating hours of the business. The exterior building lights and signage incorporate both lumen sensors for activation in the evening and a timing circuit for middle of the night deactivation. In addition to the EMS system, the team has set up motion sensors in private offices, closets, restrooms, the break room, and the conference room, so lighting is only on when these spaces are occupied.