

THE HOME DEPOT

Optimizing Solar Energy Usage for the Long Term

How DSD helped The Home Depot significantly expand its rooftop solar energy program across the east coast.

11.425 MW
total rooftop solar

33,000
solar panels

13,438,000 kWh
produced annually

The Challenge

When The Home Depot decided to expand its renewable energy program, they set the bar high. Their goal was to broaden their solar energy usage across the east coast: starting with 20 installations in New Jersey, as well as seven additional stores in Connecticut, Maryland and Washington, DC.

To do it right, they needed an equally ambitious partner. DSD was selected to spearhead project implementation plans, site selection, financing and incentive capture for all store locations. As the project began to unfold, DSD and The Home Depot forged a strong partnership that would prove necessary to achieve their sustainability and energy cost-savings goals over the long-term.

**Not just
changing;
transforming.**

Founded more than 40 years ago, The Home Depot is built on eight guiding principles which define its culture and have helped to build its business. These values include Doing the Right Thing, Giving Back, and Creating Shareholder Value. So, when The Home Depot looked to expand its solar energy program – including the enhanced autonomy and self-reliance that comes with increased energy independence – DSD stepped in as a trusted partner to help them achieve their goals.



#TransformingEnergy



The Outcome

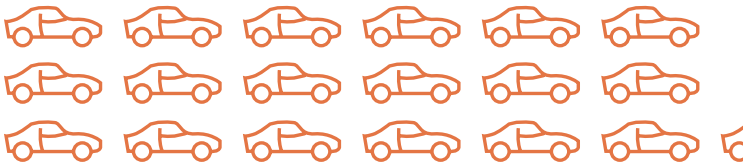
The need to gather data about local grid interaction and onsite plant production, as well as detailed weather tracking sensor data, were imperative to optimizing energy usage over the long-term across multiple locations. DSD installed a 11,425 megawatt (MW) portfolio deployed over 30,000 rooftop solar panels. This reduced electricity grid demand by an estimated 30 to 35 percent annually across all 27 retail locations.

In addition, during initial assessments, DSD identified numerous opportunities for improvement within the existing sites' infrastructure that were unrelated to the solar installation. These insights unveiled highly impactful operational upgrades — as part of a comprehensive, holistic approach — that had implications not just to the solar energy program, but to operations more broadly.



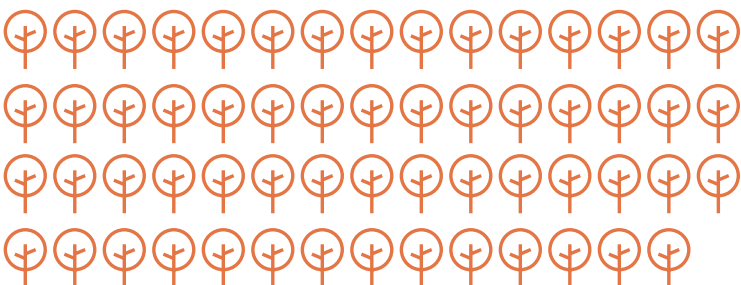
Home Depot's energy reduction is equivalent to:

Taking 1,815 cars off the road each year



Each icon represents 100 cars

Planting almost 6M trees



Each icon represents 100,000 trees

The Home Depot's solar solution reduces electricity grid demand by 30-35% annually across 27 retail locations.

“DSD evolved our operations efforts with a beautiful solution — designed specifically for our needs — that dramatically lowered our energy costs and reduced our carbon emissions.”

David Hawkins

VP Labor and Operations
The Home Depot

“The Home Depot needed a partner to help them build a path toward a new era of energy. We're proud to be that partner.”

Eric Pollock

Chief Commercial Officer
Distributed Solar Development (DSD)

To learn about clean-energy opportunities for your organization, please visit dsdrenewables.com/contact

