

EPA'S GREEN POWER PARTNERSHIP

Driving the U.S. Renewable Energy Supply



FOR MANY COMPANIES, electricity usage is the primary source of their greenhouse gas emissions. To dramatically reduce these emissions and fight climate change, a growing number of organizations are switching to green power, which is generated from eligible renewable energy sources, such as solar photovoltaics, wind, and low-impact hydropower. Since 2001, the U.S. Environmental Protection Agency's (EPA) Green Power Partnership has been working with organizations to help them make this change.

The Partnership is designed to drive U.S. renewable energy supply by increasing demand of green power among leading U.S. organizations. By partnering with EPA, a company can benefit from EPA's credibility, technical assistance, recognition, and up-to-date market information. Today, nearly 1,300 organizations are Green Power Partners, including many Fortune 500[®] companies, small and medium-sized businesses, local, state, and federal governments, and colleges and universities. Overall, Partners are using 18 billion kilowatt-hours of green power annually.

By using green power, an organization not only can dramatically reduce its carbon footprint but it may also be able to save money, stand out from competitors, and meet corporate environmental goals, which is of growing importance to stakeholder groups such as customers, Wall Street analysts, shareholders, and employees. Partners have found by taking advantage of EPA's assistance, they can save time, effort, and cost in buying green power, better estimate the environmental benefits of switching to green power, and better promote their green power commitment to media and others.

EPA recognizes the actions of its leading Partners through the program's national- and sector-focused Top Partner Rankings. EPA's National Top 50 list recognizes the 50 largest green power purchasers in the program and receives wide media attention. This list is currently led by Intel, Kohl's Department Stores, Whole Foods Market, the City of Houston, and Dell.

Green Power Partners represent virtually every sector of the economy and purchase green power for a variety of reasons. Two companies in particular—Kohl's Department Stores and Wal-Mart—provide useful case studies for the many ways in which Partners are working to address climate change.

Kohl's Department Stores is one of the world's largest retail solar hosts, with solar panels at stores and distribution centers in California, New Jersey, Wisconsin, and Connecticut. The company recently activated its 100th solar system in New Jersey in September 2010. Kohl's has been reaping the economic benefits of on-site solar generation since 2007 when it first entered into an innovative procurement model known as the Solar Power Purchase Agreement (SPPA). Through this financial arrangement, a third-party developer owns, operates, and maintains the solar photovoltaic system while a host customer agrees to site the system on its roof or elsewhere on its property and purchases the system's electric output from the provider for a predetermined period. The agreement allows the host customer to receive stable, and sometimes lower cost electricity, while the solar services provider acquires valuable financial benefits such as income generated from the sale of electricity to the host customer. A growing number of Green Power Partners, such as Staples and Kohl's, have taken advantage of this approach.

Wal-Mart has steadily invested in green power as part of its long-term goal of being supplied by 100 percent renewable energy. In September 2010, the company announced plans to add solar systems to another 20 to 30 Wal-Mart stores, Sam's Club locations, and distribution centers in California and Arizona, and the majority of these locations will feature solar thin film solar technology.

For its Texas stores and facilities, Wal-Mart began purchasing wind power in April 2009 as part of a four-year wind power purchase agreement with a Duke Energy wind farm in Texas. This farm generates roughly 226 million kilowatt-hours of renewable energy annually, which supplies up to 15 percent of the electricity demand for Wal-Mart's Texas stores and facilities.

Collectively, Wal-Mart's annual on-site green power production and purchased wind power totals more than 260 million kilowatt-hours.

Learn more about the Green Power Partnership and Partners at epa.gov/greenpower.



EPA's National Top 50 List

EPA's National Top 50 List recognizes the 50 largest green power purchasers in the Green Power Partnership. Below is a snapshot of the 25 leading Partners that appear on the list. To view the complete list and learn about the Partners' green power usage, go to www.epa.gov/greenpower.

RANK PARTNER	ANNUAL GREEN POWER USAGE (MWh):
1. Intel Corporation	1,433,200
2. Kohl's Department Stores	1,367,376
3. Whole Foods Market	817,657
4. City of Houston, TX	438,000
5. Dell Inc.	431,058
6. Johnson & Johnson	416,510
7. Cisco Systems, Inc.	400,996
8. Commonwealth of Pennsylvania	400,000
9. U.S. Air Force	339,660
10. City of Dallas, TX	333,659
11. HSBC North America	300,000
12. Wal-Mart Stores, Inc./ CA & TX Facilities	263,533
13. U.S. EPA	262,262
14. District of Columbia	244,267
15. TD Bank, N.A.	240,333
16. Starbucks	237,000
17. BNY Mellon	229,500
18. City of Chicago, IL	215,000
19. BD	200,631
20. University of Pennsylvania	200,000
21. U.S. DOE	188,599
22. Kimberly-Clark Corp.	176,533
23. State of Illinois	176,000
24. Wells Fargo & Co.	175,000
25. Montgomery County Clean Energy Buyers Group	161,790

As of July 2010

OUR LOGO IS GREEN. AND THAT'S JUST THE BEGINNING.

TD Bank is committed to environmental responsibility.

- As an EPA Green Power Partner, we help reduce the environmental impact of our electricity use by purchasing renewable energy
- On February 18, 2010, TD Bank became the largest US-based bank to go carbon neutral
- TD Bank is the first company to have a North American, closed-loop recycling system which diverts 1,500 metric tons of paper from landfills to the production of recycled office paper
- TD Bank is purchasing renewable energy for 100 percent of the electricity consumed annually by all 1,100 Stores, corporate operations and network of 2,700 ATMs from Maine to Florida



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GREEN STATE OF MIND, GREEN STATE OF ACTION

TD Bank Takes Reins on Environmental Stewardship



STOP IN ANY OF THE MORE

than 1,100 TD Bank locations from Maine to Florida and you'll see TD customers enjoying the legendary service and unparalleled banking experience synonymous with America's Most Convenient Bank®. What you might not notice, at least not at first, are the steps TD Bank is taking to become America's Greenest Bank.

From the newly-built Leadership in Energy and Environmental Design (LEED) stores and 60,000 square foot, state-of-the-art Call Center in Auburn, Maine, to the use of renewable energy and efforts to reduce the bank's carbon footprint, TD Bank has committed itself to embracing the role of environmental steward in the communities it serves.

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"There's a high level of commitment to being an environmental leader at TD Bank," says Karen Clarke-Whistler, Chief Environment Officer, TD. "As members of the communities in which our stores are located, we believe we have a responsibility to ensure that we are not only mindful of the needs of our customers today, but of the future of our communities and neighborhoods tomorrow."

In February 2010, TD Bank announced that it is the largest U.S.-based bank to become carbon neutral — a substantial commitment toward reducing the environmental impact of its business operations. As a carbon neutral U.S.-based bank, TD calculates its total greenhouse gas emissions on an annual basis, and takes steps to reduce and offset the impact of these emissions on the atmosphere. TD Bank has committed to a three-part strategy to reduce its carbon footprint: Reducing the bank's energy consumption, generating and purchasing energy from renewable sources including solar, wind and hydro power, and finally, developing and investing in innovative voluntary carbon offsets.

TD Bank has committed itself to meeting these standards across their entire business, incorporating green practices throughout its more than 1,100 locations and offices. But to see the future of green banking in action, look


no further than the Queens Village and Copley Square branches in New York and Boston, respectively. In both cases, the stores are in the process of being LEED-certified — providing customers with the banking experience they've come to expect from TD Bank, while also serving the needs of the local environment. In Queens Village, nearly 20 percent of the store's energy is produced via roof-mounted solar panels. Green building design elements result in a 50 percent reduction of energy consumption compared to traditional store designs. Meanwhile, the Copley Square location uses occupancy sensors to turn off compact fluorescent and LED lighting when not needed as well as controls that improve the efficiency of the store's heating and cooling systems — further reducing its environmental footprint. According to Scott Hite, Chief Architect, this reduced environmental footprint is the first step in a more green direction.

"We're incredibly proud of the Queens Village and Copley Square stores as they symbolize our goal of embracing a more sustainable future," says Hite. "Our goal is to use energy wisely and to make smart choices as to where it comes from. From these decisions, we'll be in a position to better serve the environment and our customers."

But the improvements aren't limited only to the interiors of the stores, as greener practices can now be seen in the landscaping and exterior maintenance at TD Bank branches as well. Among these improvements, landscapes are

being designed with drought-tolerant plants and shrubs that do not need to be watered regularly, helping TD Bank conserve resources while creating an appealing environment for those entering the stores.

Among TD Bank's other green initiatives, highlights include a closed-loop paper recycling system. Working with paper manufacturer Boise Inc.'s Closed Loop System™, at least 1,500 metric tons of paper from TD's North American operations is diverted from landfills and used in the production of recycled office paper. TD then purchases the recycled paper for use in its operations, making TD Bank the first company to have a North American-wide closed-loop recycling system in place. In fact, TD's closed-loop recycling system will save nearly 43,000 trees each year* — the equivalent of 300 million sheets of paper.

While these improvements are currently being undertaken throughout TD Bank, the TD Bank family recognizes that to truly be a leader in environmental stewardship they must not become complacent in the steps they've taken to-date. Said Scott Hite, Chief Architect, "We realize our goal is ambitious, but we are committed to this path for the benefit of our employees, their families, their communities and for the health of our planet for many years to come." 

**Environmental impact estimates were made using the Environmental Defense Fund Paper Calculator. For more information visit <http://www.edf.org/papercalculator>*



TD Bank is committed to using renewable energy sources such as solar, wind and hydro power.

AS SEEN IN



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