

US EPA ARCHIVE DOCUMENT



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Performance Track Sixth Annual Progress Report

Program Highlights

What is Performance Track?

EPA's National Environmental Performance Track program (Performance Track) is a public-private partnership that encourages continuous environmental improvement through environmental management systems, community outreach, and measurable results. Performance Track recognizes and drives environmental excellence by encouraging facilities with strong environmental records to go above and beyond their legal requirements. In partnership with EPA, members voluntarily commit to typically four public, measurable goals to improve the quality of our nation's air, water, and land. Members include major corporations, small businesses, and public facilities that are steering a course toward environmental excellence—and setting an example for others to follow.

For more information on Performance Track and its members, please visit www.epa.gov/performance-track.

Performance Track continues to grow as an important voluntary approach that recognizes and drives environmental excellence among private and public facilities. The program welcomed 110 new members in 2007, increasing the membership base to nearly 500 and expanding into three new states—Alaska, Hawaii, and North Dakota. There are now Performance Track members in 49 states and Puerto Rico, representing every major industrial sector. In addition, a record 92 percent of the 177 Performance Track facilities whose memberships expired in 2007 submitted renewal applications.

Many of the program's new members are in the public sector, including a U.S. Veteran's Administration facility, several U.S. Air Force bases, a number of U.S. Postal Service facilities, and a municipal wastewater treatment facility. New private-sector facilities include those from large companies such as Coca-Cola, Baxter Healthcare, 3M, and Covanta.

In addition to attracting new members, Performance Track added new goals in 2007 to encourage greater environmental progress. Working with the Wildlife Habitat Council, Performance Track implemented a new challenge goal for members that encourages more habitat

restoration in local communities. For renewing members, the program added the option of alternate goals to promote “outside the box” innovation and achievement. More than two dozen renewing members in 2007 chose to set alternate goals.

Performance Track also continued to foster public-private collaboration to meet environmental needs. In 2007, the state of Colorado approved an effort initiated by Performance Track member Kodak Colorado Division to work in partnership with state and local entities to improve water quality monitoring of the Cache la Poudre River near Greeley, Colorado.

To date, the combined environmental effort of all Performance Track member facilities has resulted in cumulative reported reductions in water use by 3.66 billion gallons, greenhouse gas reductions of 309,780 metric tons of carbon dioxide equivalent, and conservation of 16,809 acres of habitat. Many of the members' achievements address issues that are vital to the health of our planet but are not covered by current regulations.

Performance Track takes a holistic approach to environmental improvement.

Rather than focusing on just one specific pollutant or environmental issue, Performance Track works with members to improve performance among a variety of environmental indicators, throughout the product lifecycle. The figure at right displays the indicators around which members set ambitious “stretch” goals, challenging them to innovate and develop new practices. Members’ cumulative results are displayed next to each indicator.

The results highlighted here cover the period 2000-2006 for members that have completed at least one three-year term in the program. Detailed results for all indicators, calculation methodology, and results caveats are available at www.epa.gov/performance-track/results.

UPSTREAM



Material Procurement

Hazardous/Toxic Components N/A

Recycled Content **+493 tons** ✓



Suppliers’ Environmental Performance

N/A

INPUTS



Material Use

Materials Used +20,940 tons

Hazardous Materials Used +60,728 tons

Ozone-Depleting Substances N/A

Packaging Materials Used **-2,256 tons** ✓

Use of Reused-Recycled Materials **+559,991 tons** ✓



Water Use

Total Water Used **-3,661,797,686 gallons** ✓



Energy Use

Non-Transportation Energy Use **-4,257,059 MMBtu** ✓

Transportation Energy Use N/A



Land and Habitat

Land and Habitat Conservation **+16,809 acres** ✓



CUMULATIVE IMPROVEMENTS
in perspective



Energy savings to power **46,000 homes** for one year



Greenhouse gas reductions to offset the emissions of **57,000 cars** for one year



Solid waste reductions equivalent to the amount produced by **553,000 households** for one year

Members' Results 2000-2006

NONPRODUCT OUTPUTS



Air Emissions

Greenhouse Gases	-309,780 metric tons of CO ₂ equivalent	✓
VOCs	-3,004 tons	✓
Air Toxics	-722 tons	✓
Carbon Monoxide	NA	
NOx	-12,826 tons	✓
Ozone-Depleting Gases	NA	
PM-10	+63 tons	
SOx	-43,083 tons	✓
Radiation	NA	



Waste

Non-Hazardous Waste Generation	-1,211,766 tons	✓
Hazardous Waste Generation	-52,266 tons	✓



Discharges to Water

Discharges of BOD, COD, TSS, Nutrients, Sediments	-33,286 tons	✓
Discharges of Toxics	-2,995 tons	✓



Noise

N/A

DOWNSTREAM



Products

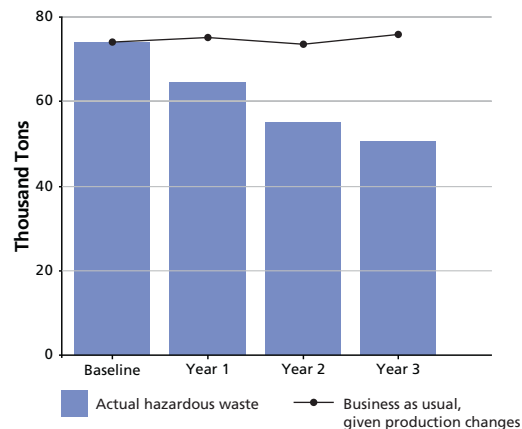
Expected Lifetime Waste from Product Use	N/A
Waste to Air, Water, Land from Disposal or Recovery	N/A

Key

- + Cumulative increase from baseline
- Cumulative decrease from baseline
- ✓ Improvement in performance
- N/A Either no data or very limited data were reported on this indicator by Performance Track members.

Hazardous Waste

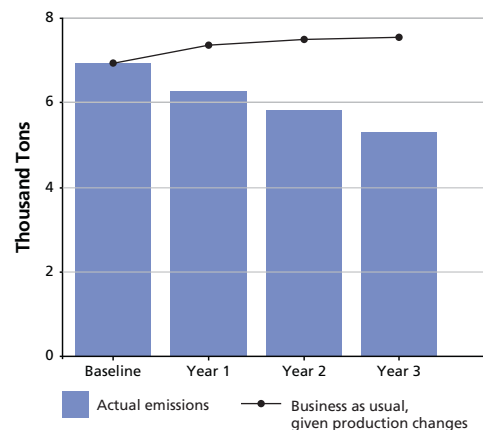
Together, 137 Performance Track members reduced their hazardous waste by **52,266 tons**.



Results cover the years 2000-2006 and include only members that set a goal for this indicator and completed at least one three-year membership term.

Volatile Organic Compounds (VOCs)

Together, 61 Performance Track members reduced their use of VOCs by **3,004 tons**.



Results cover the years 2000-2006 and include only members that set a goal for this indicator and completed at least one three-year membership term.

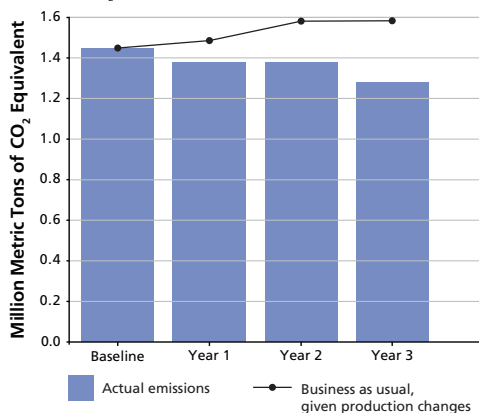
Performance Track and Climate Change

Climate change has become one of the nation's leading environmental priorities. To help address this challenge, Performance Track and its members are working together to reduce greenhouse gas emissions at the facility and community levels. EPA headquarters and regional offices have created Performance Track challenge goals for energy conservation and greenhouse gas emission reductions. The program encourages renewing members to set alternate goals—such as energy-efficient building design and community emission reduction projects—on this important issue. Members are taking the lead and employing new technologies such as solar energy installations, energy-efficient lighting, and variable speed motors.

Reducing greenhouse gases is one of the most common air emissions goals

Greenhouse Gas Emissions

Together, 61 Performance Track members reduced their emissions of greenhouse gases by 309,780 metric tons of CO₂ equivalent.



Results cover the years 2000-2006 and include only members that set a goal for this indicator and completed at least one three-year membership term. The business as usual line shows what emissions would have been if these members had not worked toward their Performance Track goals.

set by Performance Track members. To date, 61 facilities have completed greenhouse gas emission reduction goals, leading to 309,780 metric tons of carbon dioxide equivalent savings (the annual emissions of 57,000 cars). Many energy- and waste-related goals also aid in members' push to reduce emissions. All told, more than 500 member goals address climate change either directly or indirectly.

Selected Reductions Achieved and Planned by Performance Track Members

- Achieved carbon neutrality through purchasing carbon offsets and installed a natural gas cogeneration unit to decrease greenhouse gas emissions per unit of power. *Johnson & Johnson Pharmaceutical Research and Development, San Diego, California.*
- Encouraged behavioral changes and converted to more efficient technologies that led to a 28 percent reduction in energy use and a 21 percent reduction in energy-related greenhouse gas emissions generation. *Robm and Haas, Kankakee, Illinois.*
- Reduced greenhouse gas emissions by 34 percent by participating in EPA's Green Power Partnership, using a system to control lighting and heating, installing compact fluorescent lights, and other energy efficiency improvements. *PerkinElmer Optoelectronics, Salem, Massachusetts.*
- Employed energy conservation practices and technologies to achieve a 26 percent reduction in non-transportation energy use. *U.S. Department of Energy, West Valley Demonstration Project, West Valley, New York.*

Performance Track Challenge Goals

- EPA Regions 1 and 10 offer a greenhouse gas reduction challenge goal. In order to receive credit, a facility must set a goal to reduce greenhouse gases by at least 5 percent (Region 1) or 10 percent (Region 10). ***Twenty-five members have accepted this challenge.***
- EPA's Office of Air and Radiation offers an energy use reduction challenge goal for non-transportation energy use. In order to receive credit, a Performance Track facility must set a goal to reduce its energy use by at least 10 percent. All 10 regions are participating, and many are making transportation energy reduction goals as well. ***Thirty members have accepted this challenge.***

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U.S. EPA, Office of Policy, Economics, and Innovation (MC 1807-T)
www.epa.gov/performance-track
 1-888-339-PTRK (1-888-339-7875)



Power from the Sun

The Global Pharmaceutical Supply Group, in Vacaville, California, a member of the Johnson & Johnson family of companies, constructed one of the state's largest privately owned commercial solar energy systems of its kind. The 1-Megawatt solar array will provide approximately one-third of the facility's peak power demand, saving the facility roughly \$300,000 in energy costs per year, creating enough electricity to run 250 homes, and reducing CO₂ emissions from the facility by 1.4 million pounds annually. The Vacaville array is Johnson & Johnson's ninth solar installation in the United States, bringing the company's total installed capacity to 3.5 Megawatts.

