



Federal Green Challenge

Federal Agencies Leading by Example
in Sustainable Operations



epa.gov/fgc



Presidio Trust, San Francisco



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



Webinar Panelists

- [George Johnson](#) – Environmental Compliance Officer, Minneapolis VA Health Care System, Minneapolis, MN, Speaker
- [Molly Hatfield](#) - Sustainability Program Analyst, DOE, Bonneville Power Administration, Portland, OR, Speaker
- [Theresa Blaine](#) – Federal Green Challenge Regional Coordinator, USEPA Pacific Northwest and Alaska Region, Seattle WA, Speaker
- [Marlene RedDoor](#) – Federal Green Challenge National Coordinator, USEPA HQ Office of Resource Conservation and Recovery, Washington, DC, Moderator/Speaker

<https://www.epa.gov/fgc>



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



Overview

- What is the Federal Green Challenge?
- How to participate.
- Benefits.
- What you can do.



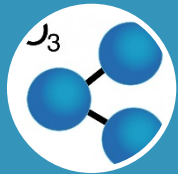
CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW

EPA mission:

To protect human health and the environment.



EPA's first Administrator, William Ruckelshaus



1971-2016: Cut air pollutants by 70%



93% compliance with drinking water standards.



>9 million tons of virgin materials avoided.





US Federal Footprint Data

We can make a difference!

The Federal Government:

- Nation's largest vehicle fleet operator.
- One of the largest IT purchasers.
- Largest purchaser of goods and services in the U.S.
- Controls a real estate portfolio of more than 330,000 buildings.



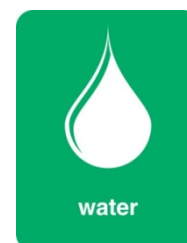
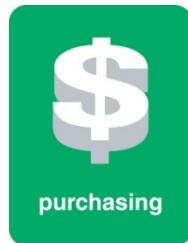
Rethink

CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



What is the Federal Green Challenge?

- The federal component of EPA's Sustainable Materials Management Program.
- Challenges federal facilities to commit to a minimum 5% annual sustainability improvement in two of the six target areas (at least one must be waste, purchasing or electronics):



Rethink

CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW

Poll Question

- Select the areas of sustainability your facility is engaged in:
 - Electronics
 - Energy and/or Water
 - Purchasing
 - Transportation
 - Waste/materials



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



Who can Join?



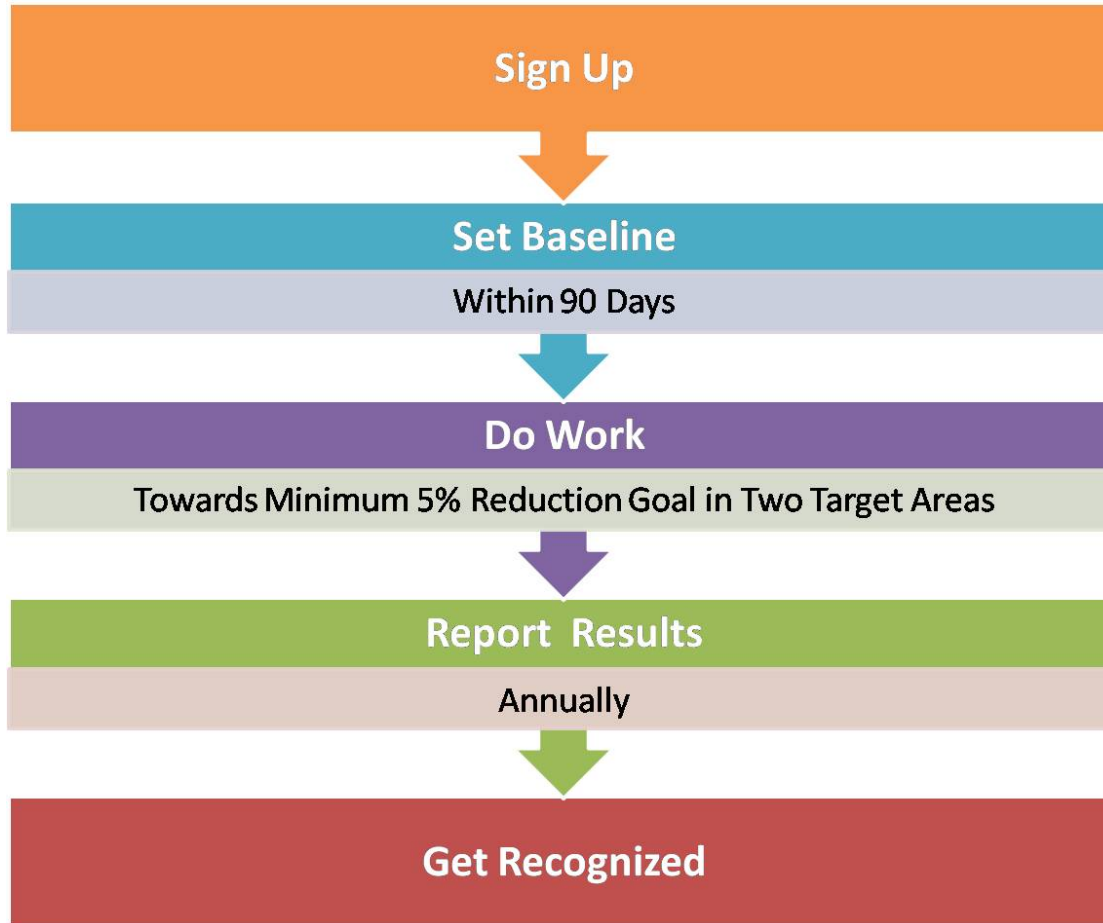
- ✓ Any federal entity or location
- ✓ An office or a floor of a building
- ✓ Multiple offices or floors in a building (i.e. green team)
- ✓ A building or facility
- ✓ A campus/base with multiple buildings/facilities
- ✓ A region
- ✓ An agency

Rethink

CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



How to participate in FGC



epa.gov/fgc

epa.gov/fgc



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



Baseline Form

Waste/Materials Target Area

Waste/Materials

Baseline Year:

(The recommended baseline year is the year of Federal Green Challenge registration. If data is not available for the registration year, an earlier baseline year may be used. A recent baseline year is preferred.)

Reuse

Please select a material in the drop-down box below and then click "Add"

	SOURCE	ACTIVITY	MATERIAL	AMOUNT	UNIT	TONS	MEASUREMENT METHODOL OGY	COMMENTS /ACTIVITY DESCRIPTI ON	NEXT YEAR'S GOAL (% INCREASE)	
1	Select <input type="text"/>	Select <input type="text"/>	Select <input type="text"/>	<input type="text"/>	Select <input type="text"/>	<input type="text"/>	Select <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="REMOVE"/>



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



Awards & Recognition



Data Driven and Narrative Awards

- Data Driven – at **National Level** and **Regional Level** for greatest improvement in each of the 6 target areas.
- Narrative – 3 Awards at the Regional Level for
 1. Education and Outreach
 2. Leadership
 3. Innovation



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



FGC Benefits

Federal Green Challenge

Share Contact



What's New

- [EPA Recognizes 290 Federal Facilities](#)
- [Executive Order 13693: Federal Leadership on Climate Change and Environmental Sustainability](#)
- [Pollinator Habitat Enhancement Metric](#)

- Maximize resources & improve efficiencies; potentially save \$\$.
- Measurement system for achieving your sustainability goals.
- EPA technical assistance and resources:
 - Online toolkits, webinars, peer networking.
- Get recognized!

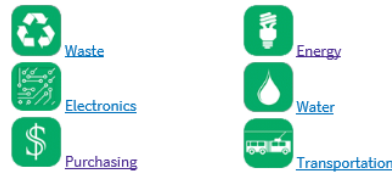
About the Federal Green Challenge (FGC)

The Federal Green Challenge, a national effort under the EPA's Sustainable Materials Management Program, challenges EPA and other federal agencies throughout the country to lead by example in reducing the federal government's environmental impact.

- [Learn About the FGC](#)
 - [Executive Order 13693: Planning for Federal Sustainability in the Next Decade](#)
- [Join Now](#)
 - [Steps to Join the FGC](#)

FGC Target Areas

Federal agencies are challenged to make improvements in these areas:



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



What can you do?

Waste/Materials (reduce, reuse, recycle)

- Increase the amount and what materials or products are recycled, such as organics.
- Create and distribute documents electronically
- Sustainable Management of Food - FGC Waste Focus Area for 2017-18

Purchasing (products and services)

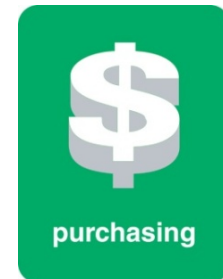
- Expand green purchasing and cleaning policy
- Plant pollinator habitat



Photo: USDA



Photo: U.S. Forest Service



 **Rethink**

CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW

The White House, EPA & USDA:



[NATION'S FIRST-EVER FOOD WASTE GOAL]

CUT FOOD WASTE IN HALF BY 2030

www.epa.gov/sustainable-management-food/united-states-2030-food-loss-and-waste-reduction-goal



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW

Poll Question

- Select the sustainable management of food activities at your facility:
 - Measurement and tracking of excess food
 - Source reduction (food waste prevention)
 - Surplus food donation
 - Food scraps to animals
 - Anaerobic digestion and/or composting



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



The federal government is a significant purchaser, server, and contractor of food and food services

- Military (Dining Hall/General Messes), Exchange Food Services, MWR, Hospital Food Service (including VA Medical Centers). Exchange Vending – including Veterans Canteen Services (43,354 outlets, \$4.42 billion).
- Non-Military Federal: DOJ, DOI, DOL, GSA, Amtrak, Smithsonian, Architect of the Capitol (House, Senate, Visitor Center) (1,040 outlets, \$1.23 billion).
- Total: 49,006 outlets, and \$5.653 billion in volume.
- Does not include all agencies, nor USDA's food service support programs, FEMA disaster relief, and other additional programs.

Figures from: Fiscal Year 2015, from *Government Food Service*, October 2016





Legal Basis for Food Donation

- Bill Emerson Good Samaritan Act of 1996 - Encourages individuals or businesses to donate food to nonprofits by minimizing liability.
- Federal Food Donation Act of 2008 - Encourages donation of surplus food to nonprofit organizations that provide assistance to food-insecure people in the U.S. in contracts entered into by executive agencies for the provision, service, or sale of food.
- Under existing U.S. Tax Code (Section 170) - Special rule for contributions of food inventory - corporations are able to deduct wholesome food donations from their tax liability. (applicable to contractors)





What can you do to sustainably manage food?

- Identify and define types of food services provided by your facility.
- Do a food waste audit for your food service areas.
- Establish policies and guidelines for food recovery.
- Use Food Service Contract clauses to support food recovery.
- Establish ties with [local food banks and other community food services](#)
- [Use the Food Service Guidelines for Federal Facilities.](#)
- Measure your food recovery.
- Contact EPA – HQ or Regions for more information (through the [Federal Green Challenge](#) or [Food Recovery Challenge](#)).
- Tune in to [EPA SMM Webinars](#) – on food recovery infrastructure, organizations and success stories, etc.



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



Report your food recovery efforts in the FGC reporting system:

Reduce amount of food going to landfill by:

- Reuse:
 1. Feeding People (Food Donation)
 2. Feeding Animals (Food Donation)
- Sell for reuse or recycling (fats, oils, greases)
- Composting



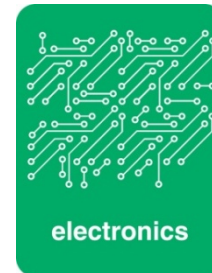
CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



What can you do?

Electronics (equipment and practices)

- Purchase greener electronics (EPEAT.net).
- Recycle electronics through 3rd party certified recyclers.



Energy (facility and tenant practices)

- Install Energy Star-labeled lighting and appliances.
- Set equipment to on-demand operation.



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



What can you do?

Transportation (travel, vehicles and commuting)

- Encourage bicycling, mass transit, and carpools.
- Reduce fleet miles traveled.



Water (use and equipment)

- Detect and repair leaks as soon as possible
- Install WaterSense-labeled fixtures



 **Rethink**

CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW

Poll Question

- Select the areas of sustainability your facility would like to improve on:
 - Electronics
 - Energy/Water
 - Purchasing
 - Transportation
 - Waste/materials



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW

EPA Announces Federal Green Challenge 2017 Awards for 2016 Performance

WASHINGTON – Today the U.S. Environmental Protection Agency (EPA) recognizes the efforts of federal facilities that took steps to improve efficiency, save resources and reduce costs as part of the [Federal Green Challenge](#) (FGC).

“Federal agencies across the country are doing their part to minimize their environmental impact, in doing so saving American taxpayers millions of dollars,” EPA Administrator Pruitt said. “Their efforts resulted in an estimated cost savings of \$17 million across the federal government.”

Through their involvement, FGC participants reduced the federal government’s environmental impact by reducing fuel oil consumption by more than 500,000 gallons, sending 310 tons of end-of-life electronics to third-party certified recyclers, saving 9.2 million gallons of industrial water, and diverting over 336,000 tons of waste from landfills.

Federal Green Challenge

National 2016 Results
Participating Agencies:

- Diverted over 336K tons of waste from landfills, saving \$16.7 million.
- Saved 9.2 million gallons of industrial water, saving more than \$36K.
- Reduced fuel oil consumption by more than 500K gallons, saving nearly \$700K.
- Sent 310 tons of end of life electronics to third party certified recyclers

These combined efforts resulted in an estimated cost savings of more than \$17 million to U.S. taxpayers

Rethink

CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



EPA 2017 Federal Green Challenge National Awards

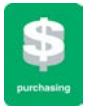
<https://www.epa.gov/newsroom>



- **Waste: The Department of Defense, Vermont Army National Guard (Jericho, Vermont)** increased its composting efforts by 2,217 percent from the previous year, saving nearly \$4,000 in tipping fees.



- **Electronics: The Department of Energy, East Tennessee Technology Park (Oak Ridge, Tennessee)** increased its Electronic Product Environmental Assessment Tool (EPEAT)-registered equipment by 1,328 percent and sent 11.6 tons of used electronics to third-party certified recyclers.



- **Purchasing: The Department of Veterans Affairs, Minneapolis Health Care System (Minneapolis, Minnesota)** decreased its printer and copier paper purchased by 44 percent from the previous year, saving \$125,600.



- **Energy: The Department of Veterans Affairs, Connecticut Health Care System (West Haven Campus, West Haven, Connecticut)** reduced the amount of fuel oil it consumed by 58 percent, saving \$59,456.



- **Water: The Department of Energy, East Tennessee Technology Park (Oak Ridge, Tennessee)** reduced its potable water consumption by almost 94 million gallons, saving \$375,412.



- **Transportation: The Department of Veterans Affairs, The James E. Van Zandt Veterans Affairs Medical Center (Altoona, Pennsylvania)** increased its hybrid vehicle fleet size by 125 percent.

Rethink

CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW



FGC Contacts

New England (Region 1) <u>Robert Guillemín</u> Guillemín.Robert@epa.gov (617) 918-1814 <u>Anne Fenn</u> Fenn.Anne@epa.gov (617) 918-1805	NJ, NY, Puerto Rico, US Virgin Islands (Region 2) <u>Joseph Malki</u> Malki.Joseph@epa.gov (212) 637-4101
Mid-Atlantic (Region 3) <u>David Iacono</u> iacono.david@epa.gov (215) 814-3231	Southeast (Region 4) <u>Robin Billings</u> Billings.Robin@epa.gov (404) 562-8515
Great Lakes (Region 5) <u>Chris Newman</u> newman.christopherm@epa.gov (312) 353-8402 <u>Briana Bill</u> , bill.Brianna@epa.gov (312) 353-6646	South Central (Region 6) <u>Joyce Stubblefield</u> stubblefield.joyce@epa.gov (214) 665-6430 <u>Diana Greiner</u> greiner.diana@epa.gov (214) 665-6492
Midwest (Region 7) <u>Marcus Rivas</u> Rivas.Marcus@epa.gov (913) 551-7669	Mountains & Plains (Region 8) <u>Amanda Hong</u> hong.amanda@epa.gov (303) 312-6221
Pacific Southwest (Region 9) <u>Jessica Counts-Arnold</u> counts-arnold.jessica@epa.gov (415) 972-3288 <u>André Villaseñor</u> villasenor.andre@epa.gov (213) 244-1813	Pacific Northwest & Alaska (Region 10) <u>Theresa Blaine</u> blaine.theresa@epa.gov (206) 553-8509 <u>Marlene Reddoor</u> (EPA HQ) – reddoor.marlene@epa.gov (703) 308-7276



www.epa.gov/fgc

 **Rethink**

CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW