



Pension Benefit Guaranty Corporation

Strategic Sustainability Performance Plan

Fiscal Year 2011

I. Agency Policy Statement (optional image)

II. Sustainability and the Agency Mission

PBGC was created by the Employee Retirement Income Security Act of 1974 to encourage the growth of defined benefit pension plans, provide timely and uninterrupted payment of pension benefits, and keep pension insurance premiums at a minimum.

PBGC's strategic goals include 1) protecting the federal pension insurance system, 2) providing exceptional service to customers and stakeholders, and 3) exercising effective and efficient stewardship of resources. While the agency is committed to conserving resources and improving productivity, the focus of the agency's funding is in the area of the first two strategic goals.

It is within the third strategic goal – stewardship of resources - that PBGC aims to reduce its environmental footprint through various internal programs and activities. PBGC has been a very proactive in addressing environmental and energy conservation issues. We have worked closely with building owners and property managers toward common goals. We have established priorities and worked with our limited budget to stage activities and awareness campaigns, making us successful in achieving goals.

When reviewing PBGC's Sustainability Program, it is important to note:

In Section 2 of this Plan, *Performance Review and Annual Update*, we have outlined accomplishments to date.

Size and Scope of Operations

Size and Scope of Operations	Number	Comment
Total # Employees	980	
Total Acres Land Managed	0	
Total # Facilities Owned	0	
Total # Facilities Leased (GSA lease)	0	
Total # Facilities Leased (Non-GSA)	11	
Total Facility Gross Square Feet (GSF)	577150	
Operates in # of Locations throughout U.S.	11	
Operates in # of Locations outside of U.S.	0	
Total # Fleet Vehicles Owned	0	
Total # Fleet Vehicles Leased	0	
Total # Exempted-Fleet Vehicles (Tactical, Emergency, etc.)	0	

Size and Scope of Operations	Number	Comment
Total Operating Budget FY 2010 (\$MIL)	464.1	
Total # Contracts Awarded FY 2010	1645	
Total Amount Contracts Awarded FY 2010 (\$MIL)	353.6	
Total Amount Spent on Energy Consumption FY 2010 (\$MIL)	0	
Total BTU Consumed per GSF		
Total Gallons of Water Consumed per GSF	0	
Total Scope 1 & 2 GHG Emissions (Comprehensive) FY 2008 Baseline MMTCO _{2e}	0	
Total Scope 1 & 2 GHG Emissions (Subject to Agency Scope 1 & 2 Reduction Target) FY 2008 Baseline MMTCO _{2e}	0	
Total Scope 3 GHG Emissions (Comprehensive) FY 2008 Baseline MMTCO _{2e}	427.5	
Total Scope 3 GHG Emissions (Subject to Agency Scope 3 Reduction Target) FY 2008 Baseline MMTCO _{2e}	2.9	

II. Sustainability and the Agency Mission (optional image)

III. Greenhouse Gas Reduction Goals

This year PBGC submitted the Greenhouse Gas Inventory and Inventory Management Plan. We were able to determine FY2008 GHG baseline for scope 3 emissions based on limited reporting information. Since PBGC does not own any facilities nor do we purchase power or waste management services directly, we do not have an FY2008 baseline in scopes 1 and 2 emissions. Although we do not pay for these services directly we do plan to obtain electricity data and waste management data for our headquarters facility which comprises over 85% of PBGC's total leased space.

PBGC does have employees who travel in performance of their duties. Many of the business trips are conducted by auditors, accountants and attorneys reviewing records of pension plans that may be in jeopardy or have been assumed by PBGC, or appearing in court hearings. The documents to be reviewed are onsite at the administrative offices of these plans, so there is no option to handle this work in the PBGC offices. There is little that can be done to reduce the number of trips associated with this mission-critical work.

As part of the communication campaign we will ensure that staff are aware of our video conferencing capabilities and we will encourage staff to use methods other than travel to conduct government business, attend conferences and training, etc.

III. Greenhouse Gas Reduction Goals (optional image)

IV. Plan Implementation

The PBGC Facilities and Services Department (FASD) is tasked with coordinating and tracking agency sustainability activities. The Director of the Facilities and Services Department will serve as the Agency’s Senior Sustainability Officer (SSO). The SSO will ensure that PBGC implements the Strategic Sustainability Performance Plan and will evaluate PBGC’s progress against it.

The Division Manager of the Facility Services Division, FASD, will have overall responsibility for:

The Director of the Procurement Department will have overall responsibility for tracking and reporting annual “green” purchasing. Specific activities will be agreed upon over the next fiscal year, but may include:

Executive Order 13514 was issued in October, 2009. Because of the budgeting cycle for this agency, it was too late to incorporate the planning activities required of this EO into our FY2011 budget. This year, we did incorporate Sustainability planning into our FY2013 budget submission. The SSO will work closely with the Operations Integration Management Team, as well as the Budget Planning Integration Team (BPIT) and senior executives to ensure that PBGC develops appropriate policies and procedures to support the plan and will request adequate budget to fund identified activities in future planning years.

IV. Plan Implementation (optional image)

Table 1: Critical Planning Coordination

Originating Report / Plan	Scope 1 & 2 GHG Reduction	Scope 3 GHG Reduction	Develop and Maintain Agency Comprehensive GHG Inventory	High-Performance Sustainable Design/Green Buildings	Regional and Local Planning	Water Use Efficiency and Management	Pollution Prevention and Waste Elimination	Sustainable Acquisition	Electronic Stewardship and Data Centers	Agency Specific Innovation
GPRA Strategic Plan	N/A	No	No	No	No	No	No	No	No	No

Originating Report / Plan	Scope 1 & 2 GHG Reduction	Scope 3 GHG Reduction	Develop and Maintain Agency Comprehensive GHG Inventory	High-Performance Sustainable Design/Green Buildings	Regional and Local Planning	Water Use Efficiency and Management	Pollution Prevention and Waste Elimination	Sustainable Acquisition	Electronic Stewardship and Data Centers	Agency Specific Innovation
Agency Capital Plan	N/A	No	No	No	No	No	No	No	No	No
A-11 300s	N/A	No	No	No	No	No	No	No	No	No
Annual GHG Inventory and Energy Data Report	N/A	Yes	No	No	No	No	No	No	No	No
EISA Section 432 Facility Evaluations/Project Reporting/Benchmarking(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Budget(b)	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Asset Management Plan / 3 Year Timeline	N/A	No	No	No	No	No	No	No	No	No
Circular A-11 Exhibit 53s	N/A	No	No	No	No	No	No	No	No	No
OMB Scorecards	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DOE's Annual Federal Fleet Report to Congress and the President	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Data Center Consolidation Plan	N/A	Yes	No	No	No	No	No	No	Yes	No

Originating Report / Plan	Scope 1 & 2 GHG Reduction	Scope 3 GHG Reduction	Develop and Maintain Agency Comprehensive GHG Inventory	High-Performance Sustainable Design/Green Buildings	Regional and Local Planning	Water Use Efficiency and Management	Pollution Prevention and Waste Elimination	Sustainable Acquisition	Electronic Stewardship and Data Centers	Agency Specific Innovation
Environmental Management System	N/A	No	No	No	No	No	No	No	No	No
Instructions for Implementing Climate Change Adaptation Planning	N/A	No	No	No	No	No	No	No	No	No
Other (reports, policies, plans, etc.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

V. Evaluating Return on Investment

PBGC has an operational governance process through which all investment and funding requests must be vetted. The Budget Planning and Integration Team, the Operations Integration Meeting, and the Executive Management Committee review all proposed major projects, investments and funding requests and approve funding for only those investments where they believe there is a significant return. Those returns do not necessarily translate into dollars. Often PBGC invests in programs to realize cost savings, mitigate risks, improve customer service, and ensure the agency's mission and strategic priorities are met.

V. Evaluating Return on Investment (optional image)

VI. Transparency

This plan will be communicated to all PBGC employees and contractors and will be accessible on the PBGC intranet for review and comment.

VI. Transparency (optional image)

Section 2: Performance Review & Annual Update (Update and Submit Annually)

I. Summary of Accomplishments

PBGC's accomplishments for FY2011 include:

Submitting the Greenhouse Gas Inventory and Inventory Management Plan. We were able to determine FY2008 GHG baseline for scope 3 emissions based on limited reporting information. Since PBGC does not own any facilities nor do we purchase power or waste management services directly, we do not have an FY2008 baseline in scopes 1 and 2 emissions. Although we do not pay for these services directly we can obtain electricity data and waste management data from our headquarters facility which is over 85% of PBGC's total leased space.

Achieving **LEED Gold and Energy Star** certification for our headquarters facility. Announcing an initiative to help federal employees and contractors identify others interested in establishing carpools. Establishing telework pilot programs in 2 of our departments - Human Resources Department (HRD) and Benefit and Administration Planning Department (BAPD). Approximately 287 staff between the 2 departments telework 2-3 days per week.

That is **29.5%** of the overall PBGC staff population. Establishing an account with UPS Ground for shipping freight. UPS has the smallest carbon footprint of all shipping services through the utilization of trains. Relinquished 11,382 SF of real estate. Chose not to renew the lease contract for the agency vehicle.

During the FY13 budgeting cycle PBGC requested funding that will help us focus on establishing obtainable goals and identifying resources to address the required calculations, establish metrics and goals, and enhance the agency Sustainability Program. Availability of adequate funds for this program will depend on other agency priorities and investments.

PBGC has provided more detail on the initiatives and accomplishments related to each of the required goal areas as delineated in the CEQ and OMB template tool.

I. Goal Performance Review:

At this time, PBGC is not in a position to estimate its environmental impact and establish related goals. Establishing data collection tools and resources, calculations, metrics, and a methodology for assessing success will be developed as part of the future planning activities. As this program matures, more detailed information will become available.

During the FY13 budgeting cycle PBGC requested funding that will help us focus on this issue and identify resources to address the required calculations, establish metrics and goals, and enhance programming.

In the meantime, PBGC has provided a discussion and highlighted initiatives and accomplishments related to each of the required goal areas as delineated in the CEQ and OMB template tool.

Goal 1: Scope 1 & 2 Greenhouse Gas Reduction (Basic Performance Discussion, A - H)

a. Buildings

1) PBGC leases office space and thus has no control over the waste and electricity services for any of the facilities we occupy. In our FY2010 Sustainability Plan submission, we described the PBGC project to install occupancy sensors and replace all of the lighting with high reflection components to reduce energy consumption. This project was instrumental in the building owner obtaining LEED EB Gold certification for our headquarters facility.

2) In FY11, we will obtain electric and waste services invoices from the owner/operator of our headquarters facility to enter into the Inventory Data Call Template.

3) PBGC’s headquarters owner/operator has the following recycling/waste disposal initiatives in place:

- i. The building has a recycling program in place for the building, garage, and occupant trash
- ii. Mercury- containing lamps (fluorescents, HID) are recycled
- iii. The building has a “green cleaning” program in place compliant with LEED EB requirements

b. Fleet [i]

1) PBGC does not maintain a vehicle fleet. As of April 1, 2011 the lease for the single agency vehicle was discontinued. After conducting a cost benefit analysis on the use of the agency vehicle, it was determined that maintaining the lease for the vehicle was not cost-effective.

Based on these two categories, Scope 1 and 2 greenhouse gas reduction targets do not apply to our agency.

Goal 1: Scope 1 & 2 Greenhouse Gas Reduction (Planning Table)

.	SCOPE 1&2 GHG TARGET	Unit	FY10	FY11	FY12	FY13	FY14	FY15	...	FY20
Build-ings										
Build-ings										

.	SCOPE 1&2 GHG TARGET	Unit	FY10	FY11	FY12	FY13	FY14	FY15	...	FY20
Buildings	Energy Intensity Reduction Goals (BTU/SF reduced from FY03 base year)	%	15	18	21	24	27	30		
Buildings	Planned Energy Intensity Reduction (BTU/SF reduced from FY03 base year)	%							...	
Buildings	Renewable Electricity Goals (Percent of electricity from renewable sources)	%	5	5	5	7.5				
Buildings	Planned Renewable Electricity Use (Percent of electricity from renewable sources)	%							...	
Fleet	Petroleum Use Reduction Targets (Percent reduction from FY05 base year)	%	10	12	14	16	18	20		30
Fleet	Planned Petroleum Use Reduction (Percent reduction from FY05 base year)	%							...	
Fleet	Alternative Fuel Use in Fleet AFV Target (Percent increase from FY05 base year)	%	61	77	95	114	136	159		
Fleet	Planned Alternative Fuel Use in Fleet AFV (Percent increase from FY05 base year)	%							...	
Fleet	Senior Executive Fleet Replaced with Low-GHG, High Efficiency Vehicles (Percent replaced from FY08 base year)	%							...	
.	Other as defined by agency								...	
.	Total Scope 1 & 2 GHG Emissions (Comprehensive)	MMTCO2e							...	
.	Total Scope 1 & 2 GHG Emissions (Subject to Agency Scope 1 & 2 GHG Reduction Target)	MMTCO2e							...	

.	SCOPE 1&2 GHG TARGET	Unit	FY10	FY11	FY12	FY13	FY14	FY15	...	FY20
.	Overall Agency Scope 1 & 2 Reduction (reduced from FY08 base year)	%							...	

Goal 1: Scope 1 & 2 Greenhouse Gas Reduction (Goal-Specific Items)

Goal 1 (optional image)

Goal 2: Scope 3 Greenhouse Gas Reduction & Develop and Maintain Agency Comprehensive Greenhouse Gas Inventory (Basic Performance Discussion, A - H)

Waste disposal and purchased energy are handled entirely by the owners of buildings leased by PBGC. Because in all but our headquarters facility, we are in multi-tenant space, and the square footage that we lease is minimal, we have little to no impact on the decision-making of the building owners. Therefore, we have limited control over contributors to Scope 3 greenhouse gas emissions.

PBGC does rely on employee travel. Most of the trips are done by auditors, accountants and attorneys to review records of pension plans that may be in jeopardy or have been assumed by PBGC, or to appear for court hearings.

The documents which need to be reviewed on the pension plan are located at located onsite in the administrative offices of the plans. PBGC has limited control over the amount of travel that is required to meet the mission of the agency. PBGC employees’ travel activities are tracked to minimize travel related contributions to scope 3 greenhouse gases.

The most significant impact to this Scope 3 reduction is PBGC’s Mass Transit Subsidy Program. Over the past couple of years, PBGC has made some important changes to our program including:

- Increasing the amount of the mass transit monthly subsidy
- Increasing the awareness of the availability of public transportation options
- Increasing the subsidy offered to car pool participants.

These activities have contributed to the reduction of vehicle congestion and gasoline consumption by PBGC employees. PBGC has a total of 974 federal employees. At present, there are 830 PBGC employees receiving mass transit subsidies and utilizing public transportation. In addition, PBGC provides a parking subsidy to staff participating in carpools. We currently subsidize 26 carpools covering 54 staff. This represents **90.7%** of the PBGC federal staff.

While we intend to continue to promote participation in this program, we believe we have far surpassed any goal or metric on use of public transportation.

In addition to the Mass Transit Program, PBGC also announced this year an initiative to help federal employees and contractors identify others interested in establishing carools. This was established through the use of a centralized bulletin board in the Agency’s employee breakroom.

Because PBGC is a small agency, has limited control over greenhouse gas contributions, it is not feasible to develop and manage an inventory of greenhouse gases. We believe that in the single area where we track emissions, we have already made a significant effort. We will continue to assess whether there would be any gain from conducting a commuting survey, to include agency contract staff.

Goal 2: Scope 3 Greenhouse Gas Reduction & Develop and Maintain Agency Comprehensive Greenhouse Gas Inventory (Planning Table)

SCOPE 3 GHG TARGET	Units	FY10	FY11	FY12	FY13	FY14	FY15	...	FY20
Total Scope 3 GHG Emissions (Comprehensive)	MMTCO ₂ e	0	0	0	0	0	0	0	0
Total Scope 3 GHG Emissions (Subject to Agency Scope 3 GHG Reduction Target)	MMTCO ₂ e	3	3	3	3	3	3	3	3
Overall Agency Scope 3 Reduction (reduced from FY08 base year)	%	5	5	5	5	5	5	5	5
Other, as defined by agency	%	0	0	0	0	0	0	0	0

Goal 2: Scope 3 Greenhouse Gas Reduction & Develop and Maintain Agency Comprehensive Greenhouse Gas Inventory (Goal-Specific Items)

Goal 2 (optional image)

Goal 3: High-Performance Sustainable Design/Green Buildings & Regional and Local Planning (Basic Performance Discussion, A - H)

PBGC’s headquarters facility at 1200 K Street, Washington, DC has achieved **LEED Gold** . In FY2010, PBGC collaborated with the owners of our headquarters facility at 1200 K Street, Washington, DC to gain LEED certification. Brookfield Properties (BP) agreed to partner with PBGC to convert the headquarters building infrastructure to an energy efficient, environmentally-conscious operating system. To that end, PBGC shared funding for this over-arching initiative. PBGC worked collaboratively with BP to seek the Leadership in Energy and Environmental Design (LEED) certification for the building. LEED, developed by the U.S. Green Building Council (USGBC), provides a range of standards for environmentally sustainable construction. LEED certification

provides independent, third party verification that a building is environmentally responsible, profitable, and, overall, a healthy place for employees to work.

The **LEED** rating system addresses six major areas:

- Sustainable sites
- Water efficiency
- Energy and atmosphere
- Materials and resources
- Indoor environmental quality
- Innovation and design process

PBGC and BP acknowledged that this initiative would require an initial investment in design and construction, however, we also recognized that these initial costs would be offset by the overall savings incurred over time due to lower operational costs typical of a LEED certified building. Although not measurable, we also recognized the potential for additional payback in the form of higher employee productivity as a result of working in a healthier environment. The details of this initiative were presented to the PBGC BPIT and the Executive Management Committee for review and approval. Funding was approved for work to take place in FY2010.

Working toward the LEED certification goal, one of the first areas addressed was energy efficiency. Brookfield Properties identified a lighting contractor to upgrade the lighting system throughout the building. This work included the following two components :

- **Lighting Retrofit** - consists of replacing parts in the existing lighting system with more energy efficient counterparts including lower intensity bulbs.
- **Occupancy Sensor Installation** – small, ceiling mounted motion detectors which turn lights on or off based on whether the area is occupied or not. This installation will occur in all private offices, kitchenettes, elevator lobbies and main corridors off of the elevator lobbies, and the garage.

This project resulted in a large rebate in energy costs in FY10, with additional decreases in operating expenses and energy usage for years to come.

In FY11, PBGC also achieved the following:

- PBGC's headquarters facility achieved the prestigious **Energy Star** certification.
- PBGC relinquished 11,382 SF of our overall real estate footprint. A **1.94% decrease** in PBGC's real estate footprint.

In addition to achievements listed above, and as funding becomes available for this effort, PBGC will work towards the following goals:

Goal 3: High-Performance Sustainable Design/Green Buildings & Regional and Local Planning (Planning Table)

GOAL 3 Targets	Units	FY10	FY11	FY12	FY13	FY14	FY15	...	FY20
Owned Buildings	%	0	0	0	0	0	0	0	0
FRPP-Reported Leased Buildings	%	0	5	7	10	12	15	15	15
Total Buildings	%	0	5	7	10	12	15	15	15
Other (Buildings), as defined by agency	0	0	0	0	0	0	0	0	0
Other (Reg/Local Planning), as defined by agency	0	0	0	0	0	0	0	0	0

Goal 3: High-Performance Sustainable Design/Green Buildings & Regional and Local Planning (Goal-Specific Items)

Goal 3 (optional image)

GOAL 4: Water Use Efficiency and Management (Basic Performance Discussion, A - H)

One component of LEED certification deals with water use efficiency. As mentioned in Goal 3 above, PBGC’s headquarters facility achieved **LEED GOLD** certification during this reporting period. In support of this initiative the building engineers:

- Retrofitted all restroom sink nozzles to reduce the flow of water.
- Replaced all toilets (approximately 130 units) with low flow flushing mechanisms.

In addition, the property owner/operator of PBGC’s headquarters facility benchmarks the building’s water use using the Energy Star Portfolio Manager tool.

PBGC continues to promote increased hygiene during the flu season to help mitigate the potential risk of a pandemic event. Part of this communication plan calls for frequent washing of hands. It appears that this program – promoted by the Office of Personnel Management, Health and Human Services, and the Federal Emergency Management Agency – is in conflict with this water use reduction requirement. PBGC will revisit our current initiative and determine an appropriate plan to coordinate these efforts.

GOAL 4: Water Use Efficiency and Management (Planning Table)

Water Use Efficiency & MGMT	Units	FY10	FY11	FY12	FY13	FY14	FY15	...	FY20
Potable Water Reduction Targets (gal/SF reduced from FY07 base year)	%								
Planned Potable Water Reduction (gal/SF reduced from FY07 base year)	%								
Industrial, Landscaping, and Agricultural Water Reduction Targets (gal reduced from FY10 base year)	%								
Planned Industrial, Landscaping, and Agricultural Water Reduction (gal reduced from FY10 base year)	%								
Other, as defined by agency									

GOAL 4: Water Use Efficiency and Management (Goal-Specific Items)

Goal 4 (optional image)

GOAL 5: Pollution Prevention and Waste Reduction (Basic Performance Discussion, A - H)

PBGC has several accomplishments in this category:

- In FY10, we procured single multi-functional devices, consolidating print/copier functions. We expect that this effort will reduce the amount of paper and toner used and also reduce costs of maintaining our existing fleet of copiers and printers.
- PBGC also strongly encourages recycling of plastic, cans, glass, and paper products through its recycling program. We have a very proactive communication and marketing plan reminding staff, have installed specialized recycle bins in our breakroom areas, have conducted special lobby awareness events, and have assigned recycling “captains” on each floor.
- In addition to recycling, PBGC excesses unused furniture and office equipment to the U.S. Department of Agriculture to ensure that excess items do not go to waste.
- PBGC’s headquarters facility property owner/operator ensures that janitorial staff use cleaning products that are free of hazardous chemicals. In addition, we have worked with construction contractors to ensure that all paint products are low VOC certified, again ensuring a reduction in the use of toxic and hazardous chemicals and materials.

PBGC's headquarters facility property owner/operator recycles all mercury containing lamps (fluorescents, HID)

GOAL 5: Pollution Prevention and Waste Reduction (Planning Table)

Pollution Prevention & Waste Reduction	Units	FY10	FY11	FY12	FY13	FY14	FY15	...	FY20
Non-Hazardous Solid Waste Diversion Targets (Non-C & D)	%	0	0	0	0	0	0	0	0
C & D Material & Debris Diversion Targets	%	0	0	0	0	0	0	0	0
If agency uses on-site or off-site waste-to-energy, estimated total weight of materials managed through waste-to-energy	Tons or Pounds	0	0	0	0	0	0	0	0
Number of sites or facilities with on-site composting programs	#	0	0	0	0	0	0	0	0
Number of sites or facilities recycling through off-site composting programs	#	0	0	0	0	0	0	0	0
If agency has on-site or off-site composting programs, estimated total weight of materials diverted to composting	Tons or pounds	0	0	0	0	0	0	0	0
% of agency-operated offices/sites with a recycling program	%	0	0	0	0	0	0	0	0
If agency offices located in multi-tenant buildings, % of those buildings with a recycling program	%	0	0	0	0	0	0	0	0
% of agency-operated residential housing with recycling programs	%	0	0	0	0	0	0	0	0
Other, as defined by agency								...	

GOAL 5: Pollution Prevention and Waste Reduction (Goal-Specific Items)

Goal 5 (optional image)

GOAL 6: Sustainable Acquisitions (Basic Performance Discussion, A - H)

Agency procurement procedures require that buyers comply with FAR Part 8 – Required Sources of Supply which places priority on Government supply sources such as *Federal Supply Schedules* and *Supplies which are on the*

Procurement List maintained by the Committee for Purchase From People Who are Blind or Severely Disabled, i.e. AbilityOne. GSA solicitation provisions require prospective contract suppliers to certify they are in compliance with Federal sustainability statutes and regulations. GSA contracts for paper, office chemicals and electronic equipment are certified compliant suppliers. Many of the products offered by AbilityOne are made using materials that are environmentally preferable, having a lesser effect on the environment. PBGC considers environmental factors in purchasing decisions and gives preference to those products and services designated by or recommended in federal green purchasing preference programs.

During the next reporting period, the PBGC Procurement Department will develop a process for tracking success in green purchasing, including establishing an acquisition baseline for green purchasing, establishing acquisition metrics, and establishing achievable goals.

GOAL 6: Sustainable Acquisitions (Planning Table)

Sustainable Acquisition	Units	FY10(c)	FY11(c)	FY12	FY13	FY14	FY15	...	FY20
New Contract Actions Meeting Sustainable Acquisition Requirements	%								
Energy Efficient Products (Energy Star, FEMP-designated, and low standby power devices)	%								
Water Efficient Products	%								
Biobased Products	%								
Recycled Content Products	%								
Environmentally Preferable Products/Services (excluding EPEAT - EPEAT in included in Goal 7)	%								
SNAP/non-ozone depleting substances	%								
Other, as defined by agency									

GOAL 6: Sustainable Acquisition Contract Review

SUSTAINABLE ACQUISITION CONTRACT REVIEW	1st QTR FY 11	2nd QTR FY 11	3rd QTR FY 11 (planned)	4th QTR FY 11 (planned)
Total # Agency Contracts	18	20	20 (e)	100 (e)
Total # Contracts Eligible for Review	1	2	1 (e)	1 (e)

SUSTAINABLE ACQUISITION CONTRACT REVIEW	1st QTR FY 11	2nd QTR FY 11	3rd QTR FY 11 (planned)	4th QTR FY 11 (planned)
Total Contracts Eligible Contract Reviewed (i.e., 5% or more eligible based on previous OMB guidance)	1	1	1 (e)	1 (e)
# of Compliant Contracts	1	1	1 (e)	1 (e)
Total % of Compliant Contracts	100	100	100 (e)	100 (e)

GOAL 6: Sustainable Acquisitions Contract Review(d)

GOAL 6: Sustainable Acquisitions (Goal-Specific Items)

Goal 6 (optional image)

GOAL 7: Electronic Stewardship and Data Centers (Basic Performance Discussion, A - H)

As mentioned earlier, PBGC has plans to consolidate printers and copiers by procuring multi-functional devices.

PBGC currently has a robust directive on excessing furniture and electronic equipment. We currently ensure that all excess electronic equipment is catalogued and sent through the Department of Agriculture surplus programs.

Additional goals include:

- a. Establish and implement policy and guidance to ensure use of power management, duplex printing, and other energy efficient or environmentally preferred options and features on all eligible agency electronic products.
- b. Update agency policy to ensure implementation of best management practices for energy efficient management of servers and Federal data centers

The PBGC Office of Information Technology drafted PBGC's Federal Data Center Consolidation Initiative – Initial Data Center Consolidation Plan in the 3rd quarter of FY2010. A copy of PBGC's consolidation plan can be found in Appendix 5 of this Plan.

For 2011 and 2012, the OIT department has established the following goals:

1. Interim steps being taken to increase energy efficiency:
 - a. Continue implementation of hot aisle/cold aisle environment; currently @ 50% is in effect.
 - b. Investigate data center insulation capability and effect correction as necessary
 - c. Continue removal of all rack-mounted UPS devices in the data center
 - d. Continue removal of unused power and data cables from under the raised floor to increase cold air flow.
 - e. Investigate temperature data loggers for real time reporting and temperature history
 - f. Install blanking panels on server/router racks to facilitate the rise of cold air to the tops of server racks, allowing lower temperature settings
 - g. Continue reduction of the number of physical servers via utilization
 - h. Modify temperature set points and humidity set points, as appropriate
 - i. Raise energy awareness among data center and IT staff
2. Install power usage metering to measure effectiveness of energy savings activities, encouraging additional energy savings ideas.
3. Replace aging air conditioning units, when required, with energy efficient units.

GOAL 7: Electronic Stewardship and Data Centers (Planning Table)

ELECTRONIC STEWARDHIP & DATA CENTERS	Units	FY10	FY11	FY12	FY13	FY14	FY15
% of electronic product acquisition covered by current Energy Star specifications that must be energy-star qualified							
% of covered electronic product acquisitions that are EPEAT-registered							
% of covered electronic product acquisitions that are FEMP-designated							
% of agency, eligible PC, Laptops, and Monitors with power management actively implemented and in use							
% of agency, eligible electronic printing products with duplexing features in use	0	0	0	0	0	0	0

ELECTRONIC STEWARDHIP & DATA CENTERS	Units	FY10	FY11	FY12	FY13	FY14	FY15
% of electronic assets covered by sound disposition practices	0	0	100	100	100	100	100
% of agency data centers independently metered, advanced metered, or sub-metered to determine monthly (or more frequently) Power Utilization Effectiveness (PUE)	0	0	0	50	50	50	50
Reduction in the number of agency data centers	0	0	0	0	0	0	0
% of agency data centers operating with an average CPU utilization greater than 65%	0	0	0	0	0	0	0
Maximum annual weighted average Power Utilization Effectiveness (PUE) for agency.	0	0	2.5	0	0	0	0

GOAL 7: Electronic Stewardship and Data Centers (Goal-Specific Items)

Goal 7 (optional image)

GOAL 8: (New) Agency Innovation & Government-Wide Support (Basic Performance Discussion, A - H)

All activities, goals, initiatives, and accomplishments have been described elsewhere in this Plan.

GOAL 8: (New) Agency Innovation & Government-Wide Support (Planning Table)

AGENCY INNOVATION & Government-Wide Support	Units	FY10	FY11	FY12	FY13	FY14	FY15	...	FY20
Programs, Projects, Initiatives that support Gov-wide efforts	0	0	0	0	0	0	0	0	0
Other, as defined by agency	0	0	0	0	0	0	0	0	0

GOAL 8: (New) Agency Innovation & Government-Wide Support (Goal-Specific Items)

Goal 8 (optional image)

Section 3: Agency Self Evaluation

Agency Self Evaluation

Agency Self Evaluation	Answer
Does your Sustainability Plan incorporate and align sustainability goals, GHG targets and overarching objectives for sustainability with the Agency Strategic Plan?	No
Does it provide annual targets, strategies and approaches for achieving the 2015 and 2020 goals?	No
Is the Sustainability Plan consistent with the FY2012 President's Budget?	No
Does the Sustainability Plan integrate all statutory and Executive Order requirements into a single implementation framework for advancing sustainability goals along with existing mission and management goals, making the best use of existing and available resources?	No
Does your plan include methods for obtaining data needed to measure progress, evaluate results, and improve performance?	No

Explanations & Other Key Questions for 2011

Future anticipated tasks, if funding becomes available for this effort:

- Continued monitoring of our excellent mass transit program participation rate
- Continue to promote conservation activities and efforts
- Ensure publication of the PBGC Sustainability Plan to the PBGC intranet
- Annual review and update of the Sustainability Plan, and
- Coordination with building owners and property managers to identify joint projects that will contribute to the overall goals and targets.
- Establish and implement policy and guidance to ensure use of power management, duplex printing, and other energy efficient or environmentally preferred options and features on all eligible agency electronic products.
- Review agency directive on property management to reflect environmentally sound practices for disposition of all agency excess or surplus electronic products.
- Identify goals that determine how the agency intends to meet technology energy consumption reduction in the data center

- Develop activities and data gathering that will help guide the agency's plan to meet energy reduction goals in the data center. PBGC has a single data center, with redundancy in our alternative COOP site. Both of these facilities will be reviewed for opportunities for energy efficiencies.

- PBGC currently uses sound disposition practices – utilizing the USDA excess program. PBGC will look to identify tracking methods to document compliance with these practices.

- PBGC will conduct an in-depth review of “Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings” to ensure that we are positioned to meet our compliance targets.

- By FY2015 at least 15% of the agency's existing building leases meet the Guiding Principles.

- By FY 2013 will have a mechanism in place to track conformance with Guiding Principles and by FY2018 will be 100% in compliance for all leased facilities.

- By FY2013 will demonstrate use of cost-effective, innovative building strategies to minimize energy, water and materials consumption

- By FY2013 will manage existing building systems to reduce energy, water and materials consumption in a manner that achieves a net reduction in agency deferred maintenance costs.

Endnotes

- (a) Not applicable to PBGC. PBGC does not pay for utility costs directly; these services are provided through our lease operating expenses by the building owners.
- (b) Integrated into the FY2013 budget formulation.
- (c) No tracking mechanism in place.
- (d) Copier paper and copiers (MFDs) are the only eligible supplies that were purchased. Although only the minimum was reviewed for eligibility, all contracts were (will be) compliant. The planned and estimated amounts are based on 2010 figures.
- (e) These numbers are forecasts based on 2010 data.

Resource/Investment Allocation by Goal