

# GOVERNMENT OF THE DISTRICT OF COLUMBIA

## District Department of the Environment



### GBAC Strategic Planning Meeting January 9, 2013

#### Agenda

- Welcome, Introductions, Purpose of Meeting (10 minutes)
- Discussion of Sustainable DC Goals and Actions working draft (15 minutes)
- Other Key Items for Green Building Landscape (15 minutes):
  - Green Building Act
  - Climate Action Plan
  - Comprehensive Energy Plan (in planning process)
  - Green Building Codes (out for public comment)
  - District 5-year Economic Plan
- Key Questions for GBAC (60 minutes):
  - What is the role of GBAC in relation to activities in the District (i.e. continue to be more of a watchdog or move to a more visionary role?)
  - What activities would GBAC like to undertake (public outreach, community forums, or behind the scenes policy guidance)?
  - What should the work plan look like?
- *Time permitting (may shift to February GBAC meeting)* Green Building Report
  - Does the existing structure work?
  - What types of data analysis do we want to see in the report, and how do we access the data?
    - USGBC's Green Building Information Gateway
    - Benchmarking
    - WDCEP Report

## Sustainable DC Goals & Actions

**Built Environment Vision:** We will attract and retain 250,000 new residents and improve quality of life for existing residents in transit-oriented, walkable, and affordable communities. All new buildings will produce as much or more energy as they consume; existing buildings be retrofitted to use half as much energy and water.

**Goal 1: Increase urban density to accommodate future population growth within the District's existing urban area.**

*Target: Increase the District population by net of 250,000 residents.*

*Key Performance Indicator: How many people can be accommodated in the new dwellings constructed in the District each year, from now until 2032?*

1.1 Increase affordable housing in the District.

1.2 Expand brownfield redevelopment incentives and certification programs.

1.3 Reduce **required** parking minimums and restrict surface parking for large developments.

1.4 Modify zoning regulations to allow accessory dwellings **such as apartments over garages or in basements.**

**Goal 2: Develop active and vibrant neighborhoods to create opportunity and support a high quality of life.**

*Target: By 2032, provide a variety of amenities and services within a 20-minute walk of all residents.*

*Key Performance Indicator: What percentage of D.C. residents can access amenities and services within a 20-minute walk of their home?*

2.1 Ease permitting requirements for temporary arts, community and business uses.

2.2 Create a government-backed revolving loan fund to support new businesses **with a priority for those developed by District residents.**

2.3 Convert five vacant buildings into permanent cultural or business incubation centers.

2.4 Triple the number of Live Near Your Work grants.

2.5 Locate new affordable housing in walkable neighborhoods.

2.6 Implement the Southwest Ecodistrict and Maryland Avenue Small Area Plans.

**Goal 3: Improve the sustainability performance of existing buildings.**

*Target: By 2032, retrofit 100% of existing commercial and multi-family buildings to achieve 'net zero' energy standards.*

*Key Performance Indicator: What percentage of commercial and multi-family buildings in DC are achieving net-zero energy use, each year from now until 2032?*

3.1 Rehabilitate all public housing to be green, healthy, and capable of meeting net-zero energy standards.

3.2 Eliminate environmental health threats such as mold, lead, and carbon monoxide in at least 50% of the District's affordable housing.

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3.3 Expand existing programs to train 100 District residents in the latest green construction skills.
3.4 Build public-private partnerships to expand best practice building operations and maintenance.
3.5 Retrofit and modernize all public buildings to at least LEED Gold Standard or equivalent green building certification.
<b>Goal 4: Ensure the highest standards of green building design for new construction.</b>
<i>Target: By 2032, all new construction projects will meet net-zero energy use standards.</i>
<i>Key Performance Indicator: What percentage of buildings constructed in DC are achieving net-zero energy use, each year from now until 2032?</i>
4.1 Update the Green Building Act to require higher levels of LEED certification.
4.2 Provide incentives for new building projects to achieve at least LEED Gold standard certification or equivalent.
4.3 Incorporate best practice sustainability principles into neighborhood planning.
4.4 Adopt the latest green construction codes for all new construction and major renovations.
4.5 Require all new buildings to be net-zero or net-positive.

**Energy Vision:** Reduce energy consumption by 50% and increase the use of renewable energy to 50%.

**Goal 1: Improve the efficiency of energy use to reduce overall consumption.**

*Target: By 2032, cut citywide energy use by 50%, over a 2010 baseline of 185 trillion Btu.*

*Key Performance Indicator: What is the percentage difference between annual citywide energy use, versus 2010 total consumption?*

1.1 Require building energy audits and disclosure of energy performance.
1.2 Establish Minimum Energy Performance Standard for buildings, phased in by building size.
1.3 Replace all street and public lighting with high-efficiency fixtures.
1.4 Fund \$500 million of renewable energy and efficiency retrofits.
1.5 Complete a Comprehensive Energy Plan by 2014.
1.6 Launch a citywide educational campaign to lower citywide energy use.

**Goal 2: Increase the proportion of energy sourced from clean and renewable supplies.**

*Target: By 2032, increase the use of renewable energy to make up 50% of the District's energy supply.*

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*Key Performance Indicator: What proportion of the District's energy supply is sourced from renewable energy, each year from now until 2032?*

- 2.1 Introduce legislation to reduce fossil fuel-based power use.
- 2.2 Complete a feasibility study to identify opportunities for neighborhood-scale renewable energy systems.
- 2.3 Build 1,000 residential and commercial renewable energy projects.
- 2.4 Allow community solar and renewable energy systems through legislation.
- 2.5 Develop a ~~regional~~ wind farm **in the region** to power District government and private facilities.

**Goal 3: Modernize energy infrastructure for improved efficiency and reliability.**

*Target: By 2032, reduce annual power outages to between 0-2 events of less than 100 minutes per year.*

*Key Performance Indicator: How many power outages affected DC residents each year, until 2032? How many of these outages lasted longer than 100 minutes?*

- 3.1 Develop a plan for citywide rollout of smart meters and smart grid infrastructure.
- 3.2 Work with utility companies to improve the reliability of energy transmission and distribution.
- 3.3 Modernize electricity infrastructure to enable expansion of local energy generation projects.
- 3.4 Work with local educational and workforce development institutions to train District residents for work in the renewable energy and energy efficiency industry.

**Water Vision:** Make the Anacostia River, Rock Creek, Potomac River, and all District waterways fishable and swimmable, and 75% of the city's landscape able to naturally filter or capture rainwater for reuse.

**Goal 1: Improve the quality of waterways to standards suitable for fishing and swimming.**

*Target: By 2032, make 100% of District waterways fishable and swimmable.*

*Key Performance Indicator: What percentage of DC's waterways meet the quality standards required for fishing and swimming, each year until 2032?*

- 1.1 Field test innovative technologies to improve river water quality.
- 1.2 Restrict the use of cosmetic pesticides and chemical fertilizers.
- 1.3 Restrict the use of harmful salts on roads in winter.
- 1.4 Study the feasibility of implementing nutrient and water quality trading programs.

**Goal 2: Relieve pressure on stormwater infrastructure and reduce long-term flood risk.**

*Target: By 2032, 75% of the landscape to capture rainwater for filtration or reuse.*

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*Key Performance Indicator: What percentage of the District's land area is capable of capturing rainwater for filtration or reuse, each year until 2032?*

2.1 Install 2 million square feet of green roofs in the District.

2.2 Increase the use of green infrastructure along public rights of way.

2.3 Double the number of homes participating in the RiverSmart Homes program.

2.4 Build 25 miles of green alleys.

2.5 Establish pervious surface minimums for targeted zoning districts.

**Goal 3: Reduce demands for potable water and increase rainwater reuse.**

*By 2032, decrease total water use throughout the District by 40%.*

*Key Performance Indicator: What percentage of the District's total water use is derived from rainwater or greywater, each year until 2032? OR What is the percentage difference between annual citywide water use, versus 2012 total consumption, each year until 2032?*

3.1 Adopt water-efficiency standards in District building codes.

3.2 Revise building codes to allow the use of alternative water systems.

3.3 Expand use of neighborhood-scale water collection networks.

3.4 Develop incentives for water-efficiency measures in landscaping and building design.

3.5 Expand the use of water monitoring technologies.

# FY12-13 Work Plan

This chapter needs to be developed further in future Green Building Reports, but is included in this report to establish the framework for near- and medium-term plans to align with the green building vision for the District. The work plan below is organized into six-month increments, and is provided for informational purposes. The work plan should be: informed by a green building vision for the city (which is under development as part of the Sustainable DC effort), developed by the GBAC and District agencies, and approved by the GBAC. The items included in the work plan should be measurable action items, and could include District agency Key Performance Indicators or other accountability mechanisms. At the beginning of 2012, the GBAC should develop the work plan for FY12-13. This work plan does not necessarily include all of the District’s operational requirements to implement the GBA.

**Table 5: Proposed Work Plan Format for FY12-13**

		GBAC	District of Columbia
FY12	Apr to Sep -12	<ul style="list-style-type: none"> <li>Attend 3 GBAC meetings</li> <li>Participate in Sustainable DC green building vision development</li> <li>Approve 2007-2011 Green Building Report</li> <li>Adopt FY12-13 work plan, based on green building vision for the District</li> <li>Comment on proposed FY12 Green Building Fund uses</li> <li>Track and report on CCCB approval of green construction code adoption</li> <li>Identify areas for incentives development</li> <li>Identify priority areas for education and training</li> </ul>	<ul style="list-style-type: none"> <li>Mayor and Council to reappoint GBAC</li> <li>Coordinate and host 3 GBAC meetings</li> <li>Agencies to confirm list of outstanding regulations and develop a plan for completion with feedback from GBAC</li> <li>Develop a common green building tracking protocol</li> <li>Propose FY12 uses for the Green Building Fund</li> <li>Finalize the list of agencies and instrumentalities subject to the GBA requirements for District-owned buildings</li> <li>Determine green building data needed for analysis and collect/analyze such data</li> <li>Propose FY13 uses for the Green Building Fund</li> </ul>
	Oct -12 to Mar -13	<ul style="list-style-type: none"> <li>Attend 3 GBAC meetings</li> </ul>	<ul style="list-style-type: none"> <li>Coordinate and host 3 GBAC meetings</li> <li>Publish 2012 Green Building Report</li> <li>Report mid-year green building activity</li> <li>Implement regulations development plan</li> </ul>
FY13	Mar to Oct -13	<ul style="list-style-type: none"> <li>Attend 3 GBAC meetings</li> <li>Develop and approve priorities and work plan for FY14-15</li> </ul>	<ul style="list-style-type: none"> <li>Coordinate and host 3 GBAC meetings</li> <li>Report District’s annual green building activity</li> <li>Implement regulations development plan</li> </ul>

## Climate Action Plan Measures

(Caveat: For discussion only--these have not yet been officially approved.)

### Government Operations Measures

<b>Table ES.2 Government Operations Measures Summary</b>		
<b>Category</b>	<b>Measure Name</b>	<b>Description</b>
Streetlights	Street Lighting Retrofits	Conversion of all alley and street lights (not covered by federal highway regulations) to high efficiency lightemitting diode fixtures (LEDs)
Building Energy	School Facilities Modernization	Over 5-8 years, the District Government will systematically update all District Public School facilities to meet US Green Building Council Leadership in Energy and Environmental Design (LEED) Silver standard or higher.
Building Energy	Renewable Electricity Contract	The District Government will continue to purchase electricity from renewable sources and will increase the renewable energy share.
Building Energy	Public Housing Retrofits	The District Housing Authority will continue efforts to improve energy and water efficiency of public housing through heating and air conditioning upgrades, window restorations/replacements, and building envelope improvements.
Building Energy	Staff Education & Training to Reduce Plug Load	District Government agencies will increase education efforts and commit to more consistent enforcement of limits on personal electronic items in workspaces.
Building Energy	Leased Space Efficiency Improvements	The Department of Real Estate Services is managing a significant turnover of leased space that will reduce the number of leased facilities, reduce energy consumption, and simplify administration.
Building Energy	Server Consolidation	The Office of the Chief Technology Officer will migrate equipment to new high efficiency servers that are approximately 30% more efficient than conventional servers. District Government specifications require purchase of ENERGY STAR computers and government wide software will allow central control and shutdown of an increasing number of units.
Building Energy	Computer Workstation Efficiency Projects	Beginning in 2007, new computers purchased by the district were required to be ENERGY STAR rated. These computers save substantial amounts of energy as compared to standard units while in use.

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Waste	Recycling in District Government Facilities	District Government agencies will improve recycling rates to meet and exceed the 45% diversion requirement.
Wastewater Treatment	Blue Plains Fine Bubble Diffuser Retrofit	DC Water will install more efficient diffusers or use in its aerated wastewater treatment processes at Blue Plains.
Wastewater Treatment	Blue Plains Anaerobic Digester Project	DC Water will convert sewage organic matter to methane and generate an estimated 10 megawatts of electricity, offsetting its purchase from outside electric suppliers.
Wastewater Treatment	Tidal Gate Improvements District Government	DC Water will install more efficient diffusers for use in its aerated wastewater treatment processes at the Blue Plains wastewater treatment facility.
Employee Commute	Employee Commute Benefit	The District Government will support use of alternative transportation modes and flexible work schedules among its employees to reduce vehicle miles traveled.
Vehicle Fleet	District Government Employee Car Sharing Program	District Government agencies will increase car sharing use, visibility, convenience, and availability to District Government employees.
Vehicle Fleet	Electric Vehicle Usage	The District Department of Transportation and other agencies will begin pilots with commercially available electric vehicles and develop electric vehicle charging infrastructure.
Vehicle Fleet	Metropolitan Police Department CruiserFleet Right-Sizing	The Metropolitan Police Department will downsize its cruiser fleet from V8-powered Ford Crown Victorias to more efficient V6-powered sedans and increase alternative vehicle use.



**Community Measures**

<b>Table ES.3 Summary Descriptions of Community Measures</b>		
<b>Sector</b>	<b>Measure Name</b>	<b>Measure Description</b>
Building Energy	Green Building Act	Starting in 2012, the Green Building Act will require all buildings over 50,000 square feet to meet the US Green Building Council Leadership in Energy and Environmental Design (LEED) Certified standard.
Building Energy	Sustainable Energy Utility	The Clean and Affordable Energy Act of 2008 redirects utility assessment fees to finance a new Sustainable Energy Utility to promote efficiency and demand reduction projects throughout the city.
Building Energy	Renewable Portfolio Standard	The Clean and Affordable Energy Act of 2008 requires all suppliers selling electric power into the District to use renewable sources in an amount that will increase to 20% in 2020.
Building Energy	Greening the Building Code	The District has adopted the latest international energy efficiency codes for commercial buildings and a requirement that residential properties be 30% more efficient than base codes.
Building Energy	Property Assessed Clean Energy (PACE)	The District will offer long-term loans to property owners, to be repaid on their property tax bills, to finance energy efficiency retrofits of residential, multi-family, and commercial properties citywide.
Building Energy	Office and Residential Energy Efficiency Retrofits and Weatherization	The District Department of the Environment plans to offer ongoing programs that promote energy savings in homes through retrofits and weatherization.
Building Energy	Energy Efficiency Improvements for Federal Buildings	President Obama’s Executive Order 13514 requires all federal agencies to set energy efficiency and greenhouse gas reduction goals. This requirement will affect millions of square feet of office space in the District.
Building Energy	Green Building and Energy “Challenges” to Key Sectors	The District will promote lead-by-example competition within key sectors (e.g. universities, international institutions, federal agencies) through challenges that catalyze large scale efficiency improvements.

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Building Energy	“District” Heating and Energy Systems	The District has a number of “district”, or centralized, heating and energy systems that service major institutions and the government. Energy savings could be achieved by increasing the efficiency of these central power plants or expanding their service areas.
Building Energy	Solar Co-ops and other Micro-Utilities	Solar cooperatives have already helped expand the use of renewable energy (particularly solar) in the District. Using and expanding the cooperative model will promote installation of renewable energy on rooftops, parking, yards, parks, rights of way, streets, and other space.
Building Energy	Power Purchase Agreements (PPAs)	Renewable energy providers are using PPAs to fund installation of on-site generation (particularly solar photovoltaic systems) on roofs and other space “rented” from private parties. PPA agreements give consumers fixed rate power and, after the term of the agreement, ownership of the renewable energy system.
Building Energy	Purchase of Renewable Power	Consumers in the District already have the choice to purchase up to 100% renewable-source electric power. Education and cooperative purchasing can promote expanded renewable purchasing by residents, businesses and institutions.
Building Energy	Green and Reflective “Cool” Roofing	Use of green and reflective “cool roofs” can greatly reduce the energy used to cool buildings and make the buildings more comfortable for users at a relatively low cost. Cool roofs can also help combat the urban heat island effect, which keeps the inner city hotter than other areas throughout the year.
Building Energy	Industrial Scale Renewable Co-Generation	As older, dirtier power plants in the District go off-line, there is an opportunity to develop facilities as clean power sources using a combination of renewable power sources, natural gas, or other options.
Building Energy	Federal Light Bulb Efficiency Standards	The Energy Independence and Security Act of 2007 mandates that all light bulbs use 25% to 30% less energy by 2012 to 2014. The phase-in will start with 100-watt bulbs in January 2012 and end with 40-watt bulbs in January 2014. By 2020, bulbs must be 70% more efficient.

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Transportation	Bus Rapid Transit Expansion	Continued expansion of bus-rapid-transit routes will service more residents in the coming years, reducing the energy consumed by vehicles.
Transportation	Streetcar Project	The District Department of Transportation is now installing the Anacostia and Benning Road Streetcar lines and will expand this system in phases to provide rail mass transit service to neighborhoods not served by Metro.
Transportation	Bike Share Program Expansion	Continued expansion of the Capital Bikeshare system will provide convenient bike transit options to residents and visitors and reduce vehicle miles traveled.
Transportation	Bicycle Master Plan Implementation	Continued expansion of cycling facilities and bike lanes under the Bicycle Master Plan will increase the percent of commuters bicycling and reduce vehicle miles traveled.
Transportation	Performance Based Parking	Increasing the cost of parking in high demand areas reduces congestion and encourages drivers to use mass transit, bicycling, or walking.
Transportation	Incentives for Hybrid Vehicles	The District's incentives for hybrid vehicles have and will continue to speed adoption of hybrid vehicles and improve the collective fuel economy of cars in the city.
Transportation	Electric Vehicle Plug-In Stations	Installation of infrastructure to support electric vehicle charging at businesses, institutions, and homes will facilitate adoption of plug-in electric vehicles.
Transportation	Promotion of Car Sharing Programs	Car-sharing is already well established in the District and further efforts by businesses, institutions, and individuals can reduce reliance on cars and reduce vehicle miles traveled.
Transportation	Federal CAFE Standards	New federal combined average fuel economy (CAFE) standards will increase the overall fuel economy of vehicles in the District and reduce vehicle emissions.
Land Use	Land Use Patterns That Increase Transportation Choices	The District of Columbia's Comprehensive Plan supports compact, transit oriented development. Efficient land use policies bring residents closer to their destinations and transit opportunities, therefore increasing opportunities for walking, biking, and public transit trips to replace motor vehicle trips.

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Land Use	Small Area Plans	Small Area Plans guide development in more climate friendly patterns. Increasing the number and diversity of end-uses in a small area with compact and mixed-use buildings increases opportunities for district heating systems and co-generation.
Land Use	Increase Tree Canopy in the District	Urban trees save energy and reduce emissions by shading buildings and reducing stormwater that would require treatment at the Blue Plains wastewater treatment plant.
Land Use	Green and Sustainable Land Use Patterns and Development Practices	The District actively supports the use of green building methods, like green roofs, in new construction and rehabilitation projects, as well as public realm designs that favor tree boxes, planting areas on public sidewalks, and reduction of impervious surfaces.
Land Use	Sustainable Zoning	The Office of Planning has recommended changes to the zoning code to increase considerations of climate change; energy conservation and renewable energy production; integrating land use and mobility; water conservation and greywater; slopes, streams, stormwater and hydrology; food production/security and community health; and sustainable business and green jobs.
Waste	Increase Commercial Recycling	The Department of Public Works will expand programs for property managers and tenants to improve commercial recycling rates and reduce emissions.
Waste	Increase Residential Recycling	The District plans to increase residential recycling through outreach and expansion of programs that make residential recycling more appealing.
Waste	Organic Waste Composting	Increasing the amount of leaf matter, yard waste, and food waste collected for composting reduces greenhouse gas (methane) emissions from landfills.
Waste	Waste to Energy	Currently the District sends much of its waste to a waste to energy facility where it is incinerated. The climate benefit of this current practice is fleeting as grid energy becomes cleaner.

## Documents from Green Building Fund Discussion

### Attachment 1: Table of Agency Green Building Act Responsibilities

DDOE	Section 3	Report on ENERGY STAR Portfolio Manager benchmarking of District buildings
	Section 4	Issue rules, implement, and enforce the ENERGY STAR Portfolio Manager benchmarking requirements for private buildings
	Section 8	Fulfill the purpose and use of the Green Building Fund: --improve sustainability performance outcomes --build capacity in green building skills and knowledge --institutionalize innovation --overcome barriers to achieving high performance buildings --continuously support the sustainability of green building practices
	Section 10	Coordinate meetings and activities of the Green Building Advisory Council and publication of the annual Green Building Report
	Section 11	Issue rules on exemption requests under the Act
		Determine the applicability of the Act to projects pursuing exemptions
	Section 12	Draft rules to adopt rating systems other than LEED or Green Communities
		Update LEED or Green Communities standards to new editions (by reference in a Notice of Intent to take rulemaking action)
Section 13	Chair the Green Technical Advisory Group and serve as a voting member on the Construction Codes Coordinating Board	
DCRA	Section 3	Penalty levied upon a District-financed or District-instrumentality-financed project
	Section 4	Privately-owned buildings obligations under GBA
	Section 5	Compliance review of private and public buildings
	Section 6	Financial Security
	Section 8	Collect funds for the Green Building Fund
		Fulfill the purpose and use of the Green Building Fund: --streamline administrative green building processes --build capacity in green building skills and knowledge --provide technical assistance, plan review, and inspection and monitoring of green buildings
	Section 11	Decide extensions for green building verifications
Section 13	Incorporation of green building practices into the Construction Codes	
DGS, DCPL, DCHA, DC Water	Section 3	ENERGY STAR Portfolio Manager benchmarking of District buildings
DGS	Section 14	Rules for priority consideration of LEED buildings for District government facilities

**Attachment 2: Descriptions of Green Building Fund Agency Staff Positions**

- Green Building Coordinator (DDOE)
  - Serve as an interagency coordinator of green building activities in the District (in particular for the affordable housing agencies)
  - Track data on implementation and performance of green building projects
  - Manage community outreach for green building and manage grants to community organizations to support green building implementation
  - Serve as an ambassador to developers to move projects through the permitting process at DDOE and sister agencies
  - Coordinate response to Planning/Zoning requests for comments on PUDs and large tract reviews, requests for public project review, and private sector development inquiries on major projects
  
- ENERGY STAR Benchmarking Coordinator (DDOE)
  - Implement ENERGY STAR benchmarking program for the 1,800 privately-owned commercial and residential buildings that will be covered under the Act
  - Manage databases and conduct QA/QC for public and private building benchmarking data and the representation of the data via District website
  - Coordinate with DGS, DCPL, DCHA, DC Water, UDC, and other District agencies to meet the requirements to measure and disclose data for publicly-owned buildings
  - Conduct outreach, education and training for agencies, contractors, and stakeholders
  - Track compliance and manage enforcement for privately-owned buildings
  
- Green Building and Sustainability Coordinator (DCRA)
  - DCRA's subject matter expert in Green / Sustainable Building practices, providing support to the Permit Operations Division and Inspections and Compliance Administration on issues involving Green Building and Sustainability.
  - Participates in Green Preliminary Design Review Meetings (PDRM) and confers with architects, builders and engineers, advising them regarding code requirements related to Green Building and Sustainable design elements.
  - Reviews architect/engineer's submitted drawings and specifications for new construction and additions and renovations to existing structures for conformance with accepted practices and with applicable District of Columbia construction codes and DCRA administrative procedures.
  - Represents DCRA on Construction Code Coordinating Board (CCCB) & Technical Advisory Groups (TAG) and GBAC in matters concerning green building design & construction and energy conservation
  - Provides code interpretation and responds to inquiries from design professionals, contractors, other District agency representatives and the general public.
  - Work with construction industry, building owner, utility, and District government representatives to advance the District of Columbia's sustainability plan
  - Performs extensive outreach activities, including engagement with other industry groups, non-governmental organizations (NGOs) and other organizations. Provide content concerning Green Building and Sustainability for DCRA's website.

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- Represents DCRA at industry, academic, government, and NGO- sponsored meetings and conferences on sustainability.
- Supervises Green Compliance Reviewers and Green Inspectors
- Green Building Program Analyst (DCRA)
  - Assist in developing agency policy and provide support to the Permit Operations Division and Inspections and Compliance Administration on issues involving Green Building and Sustainability.
  - Assist with seminars and training sessions for agency staff, other District government agency staff involved in construction and economic development, building industry members, advocates and the public.
  - Develop and maintain a data collection and aggregation program to track Green Building projects in the District from PDRM to final commissioning.
  - Assist in designing budget for green building program.
  - Assist with developing building commissioning and reporting program for agency.
- Green Building Inspector (DCRA)
  - Inspects building construction sites and projects to insure compliance with applicable codes, regulations, and approved building permits, plans, and specifications, paying particular attention to IGCC, IECC and the District Green Building Act.
  - Prepares written and electronic inspection reports. Issues Notices of Correction and Notices of Violation. May also issues Stop Work Orders when appropriate.
  - Reviews required inspection reports and performs quality control field audits on green building projects.
  - Conducts discussions with architects, engineers, contractors, subcontractors, permit staff (DCRA), and the public to assist in obtaining compliance with applicable construction codes during the construction process.
  - Provides testimony, as necessary, during court hearings and other tribunals regarding inspections/investigations personally conducted or witnessed. May testify as an expert witness in various D.C. enforcement proceedings.
- Technical plan reviewer (Mechanical/Green Building) (DCRA)
  - Reviews architect/engineer's submitted drawings and specifications for new construction and additions and renovations to existing structures for conformance with accepted practices and with applicable District of Columbia construction codes and DCRA administrative procedures.
  - Participates in Preliminary Design Review Meetings (PDRM) and confers with architects, builders and engineers, advising them regarding code requirements related to Green Building design elements, as well as mechanical design and installation.
  - Examines and correlates mechanical, plumbing, and architectural plans including LEED and Green building compliance documents to assure that the design and layout of the mechanical and plumbing systems are adequate making complex technical analyses and determinations. Examines and approves complex shop drawings and detailed changes and revisions developed during construction and installation stages.
  - Provides code interpretation and analysis and responds to inquiries from design professionals, contractors, other District agency representatives and the general public

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**Attachment 3: FY 2013 and FY 2014 Spending Plan**

	<b>FY 2013</b>		<b>FY 2014</b>	
DCRA Salary & Benefits (FTEs)	\$ 317,000	Green Building Coordinator (12 months)	\$ 422,030	Green Building Coordinator (12 months)
		Green Compliance Reviewer (12 months)		Green Compliance Reviewer (12 months)
		Green Compliance Inspector (12 months)		Green Compliance Inspector (12 months)
				Green Compliance Inspector (12 months)
DDOE Salary & Benefits (FTEs)	\$ 122,500	Green Building Coordinator (9 months in FY13)	\$ 212,000	Green Building Coordinator (12 months)
		Energy Star Benchmarking Coordinator (6 months in FY13)		Energy Star Benchmarking Coordinator (12 months)
DCRA Professional Services	\$ 100,000	Green Building Mechanical / Plumbing Plans Review		
Training & Outreach	\$ 61,500	Government and private sector training, including green building and codes training for DCRA and other District agencies. FY13 training will primarily focus on green codes implementation.	\$ 48,000	Government and private sector training, including green building and codes training for DCRA and other District agencies.
Agency Proposed Projects	\$ 90,030	Energy Star start-up software for tracking, monitoring, and reporting of public and private building results (DDOE)	\$ 9,000	Ongoing Energy Star benchmarking software and reporting (DDOE)
DCRA Supplies	\$ 5,000	GBA and Green Code support	\$ 5,000	GBA and Green Code support
DDOE Supplies	\$ 5,000	GBA, GBAC, Green Building Report, and Energy Star support	\$ 5,000	GBA, GBAC, Green Building Report, and Energy Star support
<b>BASE SPENDING AUTHORITY</b>	<b>\$ 701,030</b>		<b>\$ 701,030</b>	
DCRA FTE or Professional Services			\$ 100,000	Green Building Mechanical /Plumbing Plans Reviewer



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Agency Proposed Projects	\$ 15,000	Green Code/LEED Comparison Tool	\$ 80,000	Agencies projects TBD
	\$ 15,000	Greensources--online green directory		
	\$ 60,000	Public building benchmarking support		
	\$ 71,000	Additional funding for Energy Star start-up software for tracking, monitoring, and reporting of public and private building results (DDOE)	\$ 7,000	Additional funding for ongoing Energy Star benchmarking software and reporting (DDOE)
Training & Outreach	\$ 45,000	Government sector training including green building and codes training for DCRA and other District agencies. FY13 training will primarily focus on green codes implementation.	\$ 20,000	Government sector training including green building and codes training for DCRA and other District agencies.
Community Grants	\$ 94,000	Competitive call for innovative green building projects to be administered by DDOE (or DCRA if they develop capacity).	\$ 93,000	Competitive call for innovative green building projects to be administered by DDOE (or DCRA if they develop capacity).
<b>PRIOR YEAR SURPLUS SPENDING CONTINGENT ON BUDGET AUTHORITY</b>	<b>\$ 300,000</b>		<b>\$ 300,000**</b>	
<b>TOTAL PROPOSED SPENDING</b>	<b>\$ 1,001,030</b>		<b>\$ 1,001,030</b>	

\*\*Estimates of surplus are based on the FY 2012 surplus. If additional revenue is certified, the spending plan will be revised.