

Sustainable DC Climate Working Group | Goals and Actions DRAFT

New ID#	Goal	New ID#	Actions	Responsible Agency – performance indicator
Goal 1A	<i>DC adopts a CO2 reduction goal of 1% by 2015, 10% by 2020, 50% by 2025 and 80% by 2040 (from the 2006 baseline) to guide level of effort associated with energy economy transformation and the related energy, building, and transportation sectors.</i>	Action 1A.1	Strengthen and expand role of SEU to reduce CO ₂ by 1) establishing a sheltered account for SEU funds so that they cannot be used elsewhere and 2) modifying SEU performance metrics to prioritize carbon reduction.	DDOE (accountability) – Percent CO ₂ e reduction per dollar invested
		Action 1A.2	Set higher renewable portfolio standard (RPS) thresholds: 35% renewable by 2025 and 65% renewable by 2050.	Requires legislation
		Action 1A.3	Create a fee-and-dividend style carbon tax to capture the true costs of products and services.	Requires legislation; OTR or DDOE administers
		Action 1A.4	Incorporate multicycle cogeneration & district systems (heating, cooling & electricity) into design of suitably sized developments and District facilities as appropriate.	DCRA/Dept. General Services/Housing Authority – BTU heating/cooling & kW/hrs derived from cogeneration
		Action 1A.5	Put geothermal into recreation/school fields and other sites for neighborhood district systems where feasible.	DGS – Capacity & output from geothermal
		Action 1A.6	Implement Power Purchase Agreements at DCPS facilities in order to facilitate solar photovoltaic financing and installation.	DGS – Capacity & output from PPAs
Goal 1B	<i>DC will ensure that all sectors contribute to emission reductions by setting sector-specific targets and engaging in climate-focused decision-making.*</i>	Action 1B.1	Establish emission reduction targets for each 1) sector of the economy or 2) emissions source type, depending on individual GHG inventory.	
		Action 1B.2	Maintain trend in the increase of mode share for bike, walk and transit trips through incentives and improved infrastructure, and advance policies to discourage single occupancy use of automobiles powered by fossil fuels.	DOT/DMV/DC Council/Mayor - Transportation mode share, % no/low emission vehicles in DC
		Action 1B.3	Expand Green Building Act of 2006 to smaller development and redevelopment (residential as well as commercial), and establish higher performance thresholds for all development. Require new buildings and substantial renovations over X sq. ft. to be carbon neutral.	Requires legislation; DCRA
		Action 1B.4	Provide incentives, financing mechanisms, or subsidies for retrofitting older, inefficient residential and commercial buildings to improve energy efficiency.	Indicator: Number of buildings and square footage retrofitted; energy use saved
		Action 1B.5	Implement sector-specific recycling goals to advance carbon reduction.	DPW (enforcement); DDOE (policy) – Percentage recycling by sector
		Action 1B.6	Establish a carbon benefit program to fund climate mitigation and adaptation programs.	
		Action 1B.7	Increase the District’s acreage for urban agriculture (without decreasing	

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			the acreage of forest or parks) and establish local food production targets in order to reduce emissions associated with transporting food.	
		Action 1B.9	Encourage climate-focused decision-making by providing incentives to businesses that hire graduates of DC Green Jobs training programs.	Indicator: Number or % of Green Jobs training graduates hired
		Action 1B.10	Optimize a Sustainable DC through vibrant urban design with transit-oriented, bike/pedestrian-friendly, compact, mixed use development and foster livability and community through a world-class education system, crime prevention programs, arts and culture, diversified housing choices, reducing poverty, etc.	
Goal 2	<i>The District will implement a means for accountability and oversight to measure performance and progress toward meeting CO2e reduction goals by the end of 2012.</i>	Action 2.1	District Government adopts Climate Action Plan (CAP) goals.	DDOE/Mayor/DC Council – Action successful or not
		Action 2.2	Within six months of the adoption of the CAP, the District adopts annual CO2e emission reduction goals based on reports submitted by each department describing the specific measures they will take, including changes to existing policies, programs and activities, to help the District achieve the relevant CAP goals.	All DC Agencies/Mayor/City Administrator - Action Implemented or not
		Action 2.3	The Council incorporates CO2e reduction oversight into budget hearings to ascertain the level of support being dedicated to meeting CO2e reduction goals.	DC Council/OCFO/ All DC Agencies/Mayor/City Administrator - Action Implemented or not
		Action 2.4	DDOE monitors and reports to Council annually on progress by each agency in achieving climate protection goals, including CO2e emissions reductions achieved and activities implemented	DC Council/OCFO/ All DC Agencies/Mayor/City Administrator - Action Implemented or not
		Action 2.5	The District adopts a system of rewards for departments that exceed their CO2e emissions reduction goals.	All DC Agencies/Mayor/City Administrator - Action Implemented or not
		Action 2.6	The District’s performance on CO2e level and reductions (absolute and relative to other municipalities) is reported to the public annually.	DDOE; All DC Agencies/Mayor/City Administrator - Action Implemented or not
		Action 2.7	Point-of-sale energy and GHG audits for all residential and commercial properties are initiated by 2014.	DCRA; DC Council - Action Implemented or not
		Action 2.7	Perform a Scope 3 emissions inventory.	
Goal 3A	<i>Prioritize climate data transparency and accessibility in order to empower citizens,</i>	Action 3A.1	Require annual reporting and public disclosure on GHG emissions data for scopes 1, 2, and 3 for all private organizations and businesses occupying more than 25,000 square feet.	DDOE, DCRA, legislation? – Reports & disclosures

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	<i>organizations, businesses, government agencies, and communities to make informed decisions.</i>	Action 3A.2	Provide a tax incentive to manufacturers and retailers for making available “climate nutrition facts” that disclose GHG emissions information for products and foods sold in the District.	Requires legislation
		Action 3A.3	Create a GHG emissions footprint calculator tailored to local conditions in order to increase residents' awareness of the climate-related effects of their lifestyle choices and thereby enable them to make more informed decisions.	DDOE
		Action 3A.4	Provide an online portal for organizations, businesses, and communities to upload, organize, and view GHG emissions data for scopes 1, 2, and 3.	DDOE
		Action 3A.5 [formerly Action 4.2]	Implement a city-wide campaign to publicize the efforts to make DC the most sustainable city in the country and to reduce CO2e emissions, and to inform the public of its role.	DDOE/DCPS/DCRA/Mayor/City Administrator - Action Implemented or not
Goal 3B	<i>Ensure all District residents have access to climate education (in mitigation, adaptation, and climate science) and that all public and charter school students in the District demonstrate climate competency before graduating primary school.</i>	Action 3B.1	Include local and global climate education and experiential learning opportunities for DC public and charter school students.	DCPS, environmental educators, nonprofits
		Action 3B.2	Provide ongoing professional development for DC public and charter school teachers to support the integration of climate education into curriculum.	DCPS, environmental educators, nonprofits
		Action 3B.3	Ensure that the DC Environmental Literacy Plan, developed pursuant to the DC Healthy Schools Act, includes provisions to address climate education.	DCPS, environmental educators, nonprofits
		Action 3B.4	Give businesses incentives to include environmental education in job training and orientations to help ensure a climate competent public.	BIDs, Commerce?
Goal 4	<i>Create and implement an Adaptation/Hazard Mitigation Plan by 2014 to ensure that natural, built, and social systems are resilient to all disasters, including conditions that are increasing with climate change such as heat waves, downpours, sea level rise (in the tidal Potomac), and stronger coastal storms. The plan should include a comprehensive Vulnerability</i>	Action 4.1	The District’s Comprehensive Plan and all development plans (Small Area Plans, PUDs, etc) will use the best available science to consider the future climate change impacts on buildings and developments, such as increased inland flooding and sea level rise. These plans will restrict building in vulnerable areas and incentives will be developed for resilient design practices. Proof of insurance that Includes climate impact risk will be required.	OP, DC Council?
		Action 4.2	Capitalize on nature’s buffering capacity by employing nature-based green infrastructure such as tree canopy, rain gardens, wetlands, open space, and green roofs to reduce urban heat island effect, and subsequently energy costs; manage stormwater and flooding; and improve air quality.	DDOE, DDOT, DPR

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	<i>Assessment, and prioritize no/low-regrets actions with greenhouse gas reduction co-benefits.</i>	Action 4.3	Design transportation systems to be resilient to extreme weather events and other weather/climate impacts (such as heat waves, storms, sea level rise, flooding) by incorporating margins of safety in materials design, maintenance and operations, emergency response, and infrastructure design/location.	DDOT, Metro
		Action 4.4	The DC Climate Adaptation plan should assess and enhance the resiliency of vulnerable populations to heat waves, flooding, sea level rise and other disasters and extreme weather events, by implementing education, outreach and supportive programs.	DOH
		Action 4.5	Strengthen the District’s heat emergency response plan to ensure adequate cooling for all citizens, including accessible cooling centers, etc	DOH, Homeland Security
		Action 4.6	Stormwater management facilities should be based on a design storm with 25% higher volume than historic levels due to climate change (similar to NCPC and Alexandria design recommendations).	DDOE, DC Water, DDOT
		Action 4.7	DC Water should plan for higher demand during heat waves due to climate change, and enhance resiliency through conservation and reuse programs.	DC Water
		Action 4.8	Ameliorate climate change/extreme weather impacts on natural systems such as through proper tree species choice and maintenance, adequate invasive species management, considering sea level rise/subsidence in the placement of wetland restoration sites, and allow for wetland migration as needed.	DDOE, DDOT, DPR
		Action 4.9	Provide incentives for private actors to adapt homes and buildings to extreme weather events (through the increased use of LID?).	DDOE

* There were also several goals we categorized under #1 originally that we thought made more sense as principles or criteria to go into the text of the climate chapter of the plan. There were also a few new principles to add. These included: Use market interventions to internalize externalities (#15), Implement all Sustainable DC climate goals and actions city-wide to ensure fair and equitable access and impact for all residents (#11), Evaluate progress based on mitigation *and* adaptation (new principle added in Mar 5 meeting).