

ID #	City Name	Plan/Policy Title	Description	Responsible Agency	Budget	Timeline	External Link
GREENHOUSE GAS EMISSIONS							
1	Irvine, CA	Reducing carbon emissions	Involve 100% of the city's residents, businesses in reducing carbon emissions and energy consumption.	Community Development Department			
2	Chicago	Decrease GHG's	City does track greenhouse gas emissions but does not trade, seeking to retire or save them. Cities major goals: 1. Conserving, protecting, and restoring natural resources. 2. Encouraging healthy environmental practices. 3. Leading by example.	Office of the Mayor			
RENEWABLE ENERGY							
1	Irvine, CA	Transition buildings to renewable energy	Transition new buildings Citywide to renewable energy, such as, solar panels, solar water heating and small wind turbine.	Community Development Department			http://www.cityofirvine.us/assets/downloads/CityofirvineEnergyPlan20080624.pdf
2	Philadelphia	Purchase and generate renewable/alternative energy	Purchase and generate 20% of city energy consumption from renewable or alternative energy sources.	Office of Sustainability			http://www.phila.gov/green/greenworks/pdf/Greenworks_OnlinePDF_FINAL.pdf
3	Austin	RPS to lower energy costs	Austin created a renewable energy protfolio (RPS) in order to reduce energy costs and electricity supply risk costs. The city goal is to achieve 20% RPS by 2020 and to be 15% more energy efficient by 2020.	Agreement with municipal energy provider		2020	http://rmc.sierraclub.org/energy/library/sustainablecities.pdf
4	Chicago	Rebate programs	Energy efficiency rebate programs were successful because they targeted one industry at a time. Cost/benefit analysis showed companies predicted savings from different types of retrofits. Then, the city offered 0% interest loans for companies who performed energy saving projects or purchased power from renewable energy services, which created a market for renewables and incentivized companies to become more efficient.	Office of the Mayor with municipal energy provider.	Much of the cost of these programs was sourced from a settlement agreement with energy provider.		http://rmc.sierraclub.org/energy/library/sustainablecities.pdf
5	Chicago	Set ambitious goal for producing renewable energy	One of Chicago's goal is to produce 10 MW of renewable energy by 2010.	Office of the Mayor		2010 (Initiative started in 2005)	http://rmc.sierraclub.org/energy/library/sustainablecities.pdf
6	Chicago	Upgrade energy plants	Upgrade power plant: including 21 IL facilities and raise efficiency standards for new and existing plants.	Climate Change Task Force			http://www.chicagoclimateaction.org/filebin/pdf/finalreport/CCAPREPORTFINALv2.pdf
7	Chicago	Renewable energy for residential	Procure enough renewable energy for city residents to lower energy emissions by 20%.	Climate Change Task Force			http://www.chicagoclimateaction.org/filebin/pdf/finalreport/CCAPREPORTFINALv2.pdf
8	Chicago	Distributed generation and combined heat and power	Increase distributed generation and combined heat and power to repower sites with on-site produced energy and double household scale power generation.	Climate Change Task Force			http://www.chicagoclimateaction.org/filebin/pdf/finalreport/CCAPREPORTFINALv2.pdf

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9	New York	Smaller energy generation for point sources	Encourage clean, reliable energy sources in smaller scale installations that feed the larger grid, such as wind, solar, biogas, hydroelectric, cogeneration, waste to gas grid.	City Government			http://nytelecom.vo.llnwd.net/o15/agencies/planyc2030/pdf/planyc_2011_energy.pdf
10	New York	Clean energy supply investments	Increase responsible energy planning by encouraging clean energy supply investments and effective incentive programs.	Office of Long Term Planning and Sustainability (OLTPS), Department of Environmental Protection (DEP)	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
11	New York	Streamline processes for permitting	Streamline processes to secure permits and applications in collaboration with developers, authorities and gas and power companies to efficiently accommodate the installation of distributed energy.	DEP, DCAS	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
12	New York	Catalyze distributed energy	Explore cost effective rate payer incentives for catalyzing distributed energy.	DEP, OLTPS	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
13	New York	Build market for renewables	Foster market for clean, renewable energy.	DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
14	New York	Pool purchasing power for local renewable energy	Work with stakeholders to explore ways to pool consumer purchasing power and demand for locally produced renewable energy.	DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
15	New York	GHG accounting and energy credits	Greenhouse gas accounting for purchases of Renewable Energy Credits.	DEP /OLTPS	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
16	New York	Solar PV map to monitor performance	Develop an online solar map and a solar PV performance monitoring network to promote market growth and improve integration with utility planning.	DEP with Con Edison	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
17	New York	Website for permits, applications for renewable energy sources	Create comprehensive one stop website for permits, applications, information pertaining to joining, initiating and purchasing renewable energy sources, district energy or distributed generation.	DEP with Con Edison	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
18	New York	Partnerships for utility scale solar projects	Create public-private partnerships to install utility scale solar energy on nearby landfills.	DEP with Con Edison	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
19	New York	Support off shore wind projects	Make state and federal regulators support cost-effective proposals for both public and private offshore wind projects.	DEP with Con Edison	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
20	New York	Support appropriate hydroelectric projects in upstate reservoirs	Explore small scale hydroelectric projects at upstate reservoirs and in water and wastewater distribution systems in a cost-effective and environmentally sensitive manner.	DEP with Con Edison	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
21	New York	Waste Gas to Grid and cogeneration projects	Undertake waste-gas-to-grid and cogeneration projects at City-owned buildings and infrastructure sites.	DEP with Con Edison	Private funding		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml

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22	New York	Recycle digester gases into energy to power facilities	Recycle at least 60% of digester gases from wastewater treatment systems into electricity by 2017.	DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
DATABASING AND AUTOMATION							
1	New York	Database for funding sources for efficiency projects	Create a database or information center that clearly lists tax incentives, grants and incentives for energy efficiency projects.	OLTPS, DEP, DCAS	Federal stimulus/private funding		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
2	New York	Database of energy efficient contractors	Develop database and certification process for contractors that can promote or build energy efficiency, including electricians, plumbers, carpenters, construction workers.	DOB	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
3	New York	Database for energy efficient programs worldwide	Work with academic institution to develop database on energy efficiency information and showcase best new building strategies.	OLTPS	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
EQUIPMENT AND DISTRIBUTION							
1	New York	Modernize transmission lines	Modernize transmission and distribution service.	DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
2	New York	Improve gas transmission and distribution	Increase natural gas transmission and distribution capacity to improve reliability and encourage conversion from highly polluting fuels: cooperate with developers to find appropriate placement of transmission lines, identify areas where natural gas will better serve energy needs and reduce residential consumption, advocate for safety regulations.	DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
3	New York	Secure power delivery	Ensure the reliability of New York City power delivery: encourage buildings to use less during peak hours, facilitate research of other potential sources of energy for city.	DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
4	New York	Smart, clean utility grid	Develop a smarter and cleaner electric utility grid for New York City: smart metering and monitoring of larger buildings, wireless monitoring of power and gas customers, encourage participation in commercial and industrial customers to reduce usage during peak periods.	DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
5	New York	Streamline processes for large scale efficiency projects	Explore distributed generation and streamline processes in coordination with utility companies and developers in larger block scale projects.	DEP/DCAS	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
6	Baltimore, MD	Funding for energy efficiency	Leverage state and federal funds to pursue energy efficiency and conservation.	Office of Sustainability, BEO	Neutral	Short	http://www.baltimoresustainability.org/conservation/energyUse.aspx
FINANCING AND EDUCATION							
1	New York	Loan programs for efficiency initiatives	Discover/create financing and loan programs for efficiency initiatives.	OLTPS, DEP	Federal stimulus/private funding		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml

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2	New York	Training in energy efficiency trades	Create energy efficiency workforce through training programs, educational events, seminars and educational centers.	OLTPS	State funding		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
3	New York	Licensing and certificates for energy professionals	Incorporate Energy Code training in licensing and continuing education for electricians and other relevant professionals.	OLTPS	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
4	New York	National standards for energy professionals	Adopt national standards for energy professions.	OLTPS, DOB	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
5	New York	Academic curriculum to train next generation of energy efficient professionals	Work with local academic institution to create an energy efficiency/building science curriculum or academic degree type program.	DCAS, OLTPS, DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
6	New York	Energy terms in lease agreements	Incorporate energy terms and language in lease agreements with City or through property city rents.	DCAS	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
7	New York	Energy utility non-profit	Create a non-profit that is responsible for energy efficiency financing (NYSEE).	OLTPS, DEP, Department of Citywide Services (DCAS)	Federal stimulus/private funding		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
8	Austin	Incentives for each watt of renewable energy saved	In order to add solar to energy options, offer \$5/watt for private installations of PV, which offsets 50 to 80% of startup costs (Austin Energy offers \$6.25/watt for PV manufactured in Austin as a way to incentivize local economic development in renewable energy industry). Also offers GreenChoice program, whereby customers can choose wind as an option for their energy source.	Agreement with municipal energy provider		2020	http://rmc.sierraclub.org/energy/library/sustainablecities.pdf
BUILDINGS AND CONSERVATION							
1	Irvine, CA	Reducing building energy use	Reduce energy use in buildings by 30% through increasing the energy efficiency of buildings in order to lessen Baltimore's energy consumption by 15% by 2015.	Community Development Department		2015	http://www.cityofirvine.us/assets/downloads/CityofIrvineEnergyPlan20080624.pdf
2	New York	Upgrade government buildings	Lead by example with government buildings retrofitted/upgraded for efficiency, through piloting new buildings, technologies and creating board review of new building strategies.	DCAS, OLTPS, DDC, DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
3	New York	Net zero buildings	Initiate net zero energy building construction and deep energy retrofits to set an example of city supported projects.	DCAS	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml

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4	New York	Replace inefficient energy plants	Provide cleaner, more reliable, more affordable energy: replace or repower most costly, inefficient plants.	NYISO/FERC	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
5	New York	Manage and collect reliable data on energy usage, needs, etc.	Base energy planning on shared data collection and management and coordinated energy forecasting.	OLTPS, DCAS, DEP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
6	New York	Energy efficient buildings	Increase energy efficiency and cleaner, greener buildings.	OLTPS, Department of Buildings (DOB), Department of City Planning (DCP)	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
7	New York	Update codes and regulations for buildings	Improve codes and regulations to promote energy efficiency and use of renewable sources, such as siting of energy generating systems on buildings and removing zoning code barriers to energy efficiency.	OLTPS, DCP	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
8	New York	Monitor building compliance with codes	Track and monitor compliance with energy codes and develop database/information center for tracking progress of green buildings being developed in the city.	OLTPS, DOB	City operating funds		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
9	New York	Energy efficient small buildings	Pursue energy efficiency in smaller buildings and build community buyin through educational programs.	OLTPS, CAU	Private funding		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
10	New York	Energy efficient historic buildings	Work with preservationists to create green building codes that also satisfy treatments for historic buildings.	OLTPS, Local Development Corporation (LDC)	Federal stimulus/private funding		http://www.nyc.gov/html/planyc2030/html/theplan/introduction.shtml
11	Baltimore, MD	Energy standards for Green Building Codes	Pursue aggressive energy standards for Baltimore Green Building Codes and improve energy efficiency of existing buildings.	Office of Sustainability (BOS), Housing and Community Development (HCD), Green Building Consulting Team	Neutral	Short	http://www.baltimoresustainability.org/conservation/energyUse.aspx
12	Baltimore, MD	Energy Conservation	Increase energy conservation by residents, government, businesses and institutions and increase renewable energy generation in Baltimore.	BOS, Baltimore Energy Office (BEO), Baltimore Gas and Electric	City, State, Federal Funds, Private Sector, Grants	Short	http://www.baltimoresustainability.org/conservation/energyUse.aspx
13	Baltimore, MD	Mandate efficiency upgrades	Consider mandating efficiency upgrades at point of sale.	BCS, Mayor's Office, Commission for Historical and Architectural Preservation (CHAP), Live Baltimore, Real Estate Orgs.	Unknown	Mid	http://www.baltimoresustainability.org/conservation/energyUse.aspx

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14	Baltimore, MD	Turn off power	Explore "Lights Out" policy for appropriate parts of the city.	BOS, BEO, Downtown Partnership, Real Estate Orgs, Local Institutions	Neutral to Cost Saving	Short	http://www.baltimoresustainability.org/conservation/energyUse.aspx
15	Philadelphia	Reduce energy consumption	Lower city government energy consumption by 30%.	Office of Sustainability		2015	http://www.phila.gov/green/greenworks/pdf/Greenworks_OnlinePDF_FINAL.pdf
16	Philadelphia	Reduce energy consumption	Lower citywide energy consumption by 10%.	Office of Sustainability			http://www.phila.gov/green/greenworks/pdf/Greenworks_OnlinePDF_FINAL.pdf