OBAMA-BIDEN TRANSITION PROJECT

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CLIMATE COMMUNITIES

ICLEI Local Governments for Sustainability USA

December 8, 2008

The Honorable Barack Obama
President-Elect
Presidential Transition Office
Washington, DC 20270

Re: ***Empowering Local Government Climate Action: Blueprint for President Obama and 111th Congress***

Dear President-Elect Obama:

We write on behalf of our growing coalition of local elected leaders across America to share with you *Empowering Local Government Climate Action – Blueprint for President Obama and 111th Congress*. Developed by 40 of the nation's top local government climate protection leaders, the Blueprint puts forth a vision for a new federal-local partnership, where federal assistance and investment empowers local governments to play our key role in decreasing America's dependence on foreign oil, creating new green jobs and reducing the greenhouse gases that cause climate change.

Already approximately 350 local elected officials from 39 states have endorsed the Blueprint. We are releasing the Blueprint this week at more than 30 local media events across the country, which will highlight hundreds of ready-to-go local clean energy projects that will create jobs, reduce energy consumption and decrease carbon emissions.

We are extremely pleased that you continue to make investment in energy efficiency, clean energy and green jobs a cornerstone of your incoming Administration's economic recovery strategy. Our coalition of local governments looks forward to playing our part in the "Green Recovery" by working in partnership with your Administration to put people back to work through local building efficiency retrofit programs, installation of community-scale renewable energy projects and investments in local mass transit equipment and infrastructure.

As you know, local governments are at the forefront of the movement to address climate change in the United States. For years, local governments have served as laboratories for innovation, developing new approaches to reduce greenhouse gas emissions, including the conversion of municipal fleets to hybrid vehicles, the design and construction of energy-efficient buildings, the installation of renewable energy, and the development of communities that reduce vehicle miles traveled (VMT).

More than 40 percent of energy consumption and carbon emissions come from residential and commercial buildings and one-third is generated by the transportation sector. Local governments set and enforce building codes, determine transportation and land use policies and provide critical information and incentives that enable businesses and homeowners to implement energy-saving measures. Thus, continued local leadership and action is critical to reducing energy consumption and

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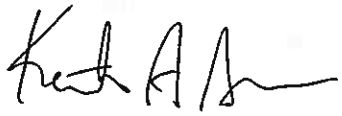
greenhouse gas emissions. Specifically, this Blueprint calls on the federal government to work in partnership with localities to:

- ***Enact an economic recovery policy that creates local green jobs*** by investing $10 billion in Energy Efficiency and Conservation Block Grants for local clean energy projects and providing $18 billion for local transit infrastructure projects;
- ***Enact a national climate policy*** that sets mandatory limits on greenhouse gas emissions with market-based trading, and invests significant proceeds in local actions that reduce emissions through green buildings, transit and VMT reduction strategies, green local fleets and fuels, renewable energy, green infrastructure, and green economic development strategies;
- ***Implement clean energy policies*** that reduce building energy use by establishing national building efficiency targets and providing funding to help local governments meet the targets, and that promote renewable energy through renewable portfolio standards and measures to overcome interconnection and rate barriers to community-scale renewables;
- ***Invest in local climate capacity*** through full federal funding in FY 2010 for the Energy Efficiency and Conservation Block Grants, EPA Local Climate Demonstration Grants, the DOE Clean Cities program, and the Forest Service's Urban and Community Forestry program;
- ***Transform the nation's transportation strategy*** by increasing federal resources for public transit, supporting local initiatives to reduce vehicle-dependence and use, and funding low-emission buses, clean local fleets and local alternative fuels infrastructure.
- ***Create American green jobs and green businesses*** by providing "Climate Prosperity" demonstration grants to support local green economic development strategies, funding the Green Jobs Act of 2007 to prepare workers for emerging green businesses and creating an "Energy Conservation Corps" service program to empower young Americans to be part of new clean energy solutions; and
- ***Build self-reliant communities that are prepared for climate impacts*** by creating a federal interagency task force on Climate Resiliency and Community Preparedness, expanding the FEMA Pre-Disaster Mitigation program to support local initiatives to address climate impacts, enhancing NOAA's climate programs to support local climate adaptation planning and implementation, and supporting local strategies to assist families and populations most vulnerable to climate impacts.

Again, we look forward to developing a partnership with your Administration so that local governments are empowered to do what we do best – implement pragmatic community-based solutions that will reduce create jobs, revitalize the economy and preserve our planet.

Thank you very much for your consideration.

Sincerely,



Ken Brown, Executive Director
Climate Communities

Michelle Wyman, Executive Director
ICLEI USA

CLIMATE COMMUNITIES is a national coalition of local governments seeking national support to empower local climate action (www.climatecommunities.us; 202-261-6011).

ICLEI USA is a membership association of more than 500 cities, towns and counties in the U.S. that provides expertise, technical support, and innovative tools to help local governments advance their emissions reductions and sustainability goals (www.icleiusa.org; 510-844-0699).

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Empowering Local Government Climate Action

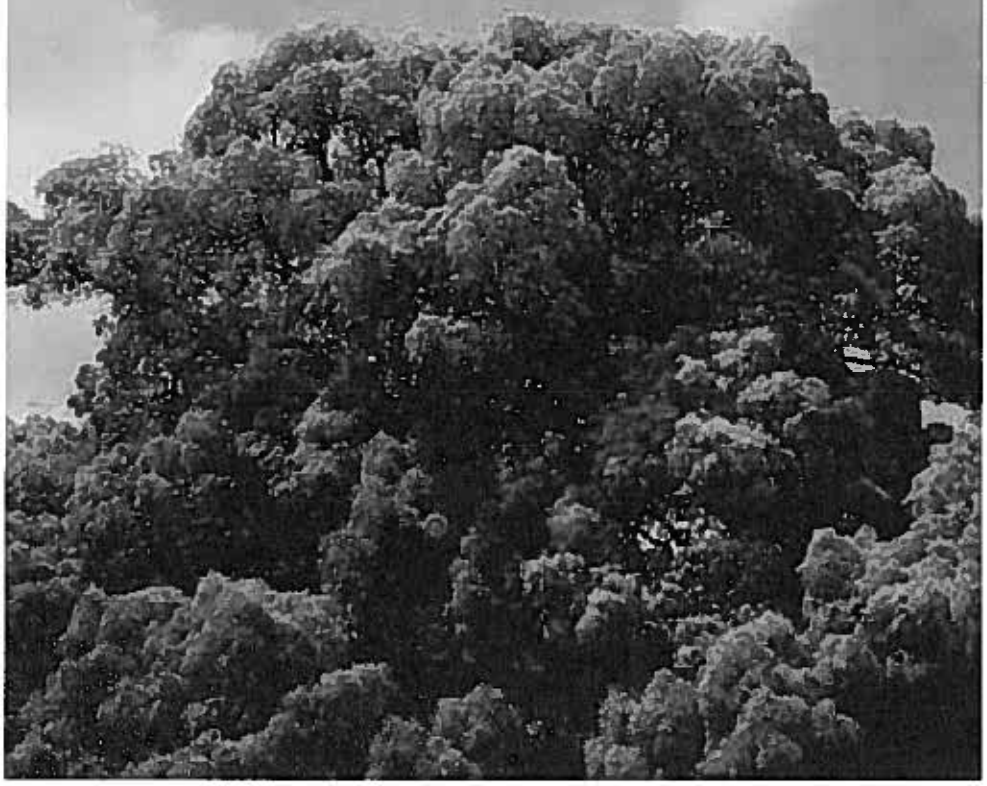
Blueprint for President Obama and 111th Congress

Now is the time for local government officials to sign onto this Climate Action Blueprint. This Blueprint will be officially released with major events in December 2008 and beyond.

Visit our web sites for more information or to sign onto the Blueprint.

www.climatecommunities.us

www.icleiusa.org



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Local government action on climate change is essential for America to achieve energy independence, renew economic prosperity and preserve our planet. Federal policies must empower local governments with the tools and resources to solve the climate challenge.

Local government leadership and action is critical to addressing the climate change challenge. Localities are in the best position to foster the innovation and new practices that will achieve building efficiency, cleaner transportation choices, new green jobs and businesses, green infrastructure and more sustainable communities. America's local governments have been at the forefront of the movement to address climate change. Our citizens are demanding action, and continued leadership from localities is essential to solving the issue. Here's why:

- More than 40 percent of greenhouse gas emissions comes from commercial and residential **buildings**. Local governments are best suited to improve building codes, foster community-scale renewable energy, and create other programs and incentives to increase efficiency and reduce energy use in buildings and houses.
- One third of GHG emissions comes from the **transportation** sector. We must improve public transit and engage in more effective land use and transportation planning to reduce gasoline use and emissions. Localities must lead in the transit and smart growth initiatives needed to reduce vehicle use.
- Localities are the **first responders** who must deal with the impacts of climate change including drought, heat waves, water shortages, wildfires, flooding, rising sea levels, changes in weather patterns, public health threats, and economic shifts.
- Local governments can promote the deployment of **green infrastructure** that reduces carbon emissions including community forestry, green roofs, and parks and open space.
- Local governments are uniquely positioned to drive new economic development strategies that create homegrown **green businesses and green jobs** to help America transform our economy and compete in the world.

Addressing climate change from the ground-up with local solutions will help our nation:

- Achieve **energy independence** and **improve national security**;
- Create **new jobs, technology innovation and business opportunities** for a vibrant American economy;
- Build **livable, sustainable local communities**;
- Prepare for and **avoid the costly potential impacts** of climate change; and
- **Preserve our planet** for future generations.

But the local government role in combating climate change and building a green economy cannot be fulfilled without strong national leadership from the President and Congress. The nation must recognize that the climate solution cannot be achieved without local governments. We need a strong federal-local-state partnership on climate change. Federal policies must provide resources to empower local communities across America to play our part in solving the climate challenge.

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Blueprint

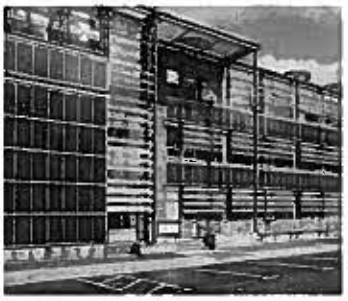
The world's leading scientists say that we must begin now to reduce U.S. greenhouse gas emissions by 80 percent by 2050 to turn the tide on climate change. Local governments are ready to play our part in reducing emissions and leading the world toward climate solutions, but the President and Congress must take the following steps if we are to achieve these important targets:

Enact a national climate policy that:

- Sets mandatory limits on greenhouse gas emissions with market-based trading;
- Invests the proceeds from carbon trading into local government actions that reduce emissions through green buildings; transit, smart growth and other VMT reduction strategies; green local fleets and fuels; renewable energy; green infrastructure; and green jobs and businesses; and
- Allows regulated emitters to invest through carbon offsets in local green infrastructure that reduces greenhouse gases, including community forestry, green roofs, and open space and farmland preservation.

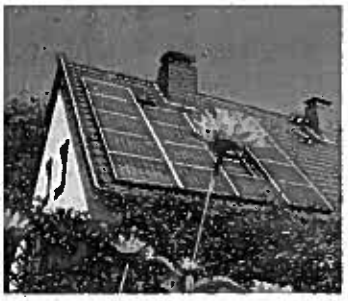
Enact an economic recovery policy that creates green jobs by:

- Providing $10 billion in Energy Efficiency and Conservation Block Grants for local governments; and
- Providing $18 billion for local transit infrastructure projects.



Implement clean energy policies that:

- Reduce building energy use by 30 percent by 2025 by establishing national building efficiency targets and providing annual funding to help local governments meet or exceed the national targets; and
- Produce 25 percent of the nation's power from renewable energy by 2025 through renewable portfolio standards, and measures to overcome interconnection and rate barriers to community-scale renewables.



Invest in local climate capacity through annual federal appropriations that:

- Fully fund the Energy Efficiency and Conservation Block Grants at $2 billion annually;
- Provide $250 million annually for EPA Local Climate Demonstration Grants;
- Provide $400 million annually for the DOE Clean Cities program to support low emission vehicles and cleaner fuels including alternative fuels infrastructure and plug-in hybrid vehicles; and
- Provide $100 million annually for the Forest Service's Urban and Community Forestry program.

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Blueprint

Transform the nation's transportation strategy by:

- Substantially increasing federal resources for public transit;
- Supporting local initiatives to reduce vehicle-dependence and use including resources for smart growth and transit-oriented development, VMT reduction planning and implementation, walkability programs, bikeways and greenways, infill and brownfields revitalization, and reuse of historic and existing buildings; and
- Funding low-emission busses, clean local fleets, and local alternative fuels infrastructure.

Create American green jobs and green businesses by:

- Creating a $500 million "Climate Prosperity" demonstration grant program that directs Economic Development Administration, HUD, Small Business Administration, and USDA Rural Development funding to support local economic development strategies that produce green businesses and green jobs;
- Fully funding the Green Jobs Act of 2007 at $125 million annually to support worker training in emerging manufacturing and hi-tech sectors; and
- Creating an "Energy Conservation Corps" service program to empower young Americans to be part of new clean energy solutions.

Build self-reliant communities that are prepared for climate impacts by:

- Creating a federal interagency task force on Climate Resiliency and Community Preparedness to produce a federal action plan for (a) national research and development; (b) local technical assistance; and (c) new protocols for intergovernmental collaboration at local, state, regional and federal levels;
- Expanding the FEMA Pre-Disaster Mitigation program to $500 million annually to support local government initiatives to address climate impacts;
- Expanding NOAA's Coastal Zone Management Act and climate programs to directly support local climate adaptation planning and implementation; and
- Fostering and funding local efforts to support families and populations most vulnerable to climate impacts.

CLIMATE COMMUNITIES

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Join the Nation's Local Government Climate Protection Leaders and Endorse the Climate Action Blueprint for President Obama and Congress

Climate Communities and ICLEI USA are seeking the endorsement of local elected leaders from across America for the "Empowering Local Government Climate Action" Blueprint for President Obama and Congress. The Blueprint will be released the second week of December 2008 at a series of local media events across the country. Climate Communities members will convene in Washington, DC in mid-February 2009 to meet with leaders of President Obama's climate change team and the incoming Congress to discuss the Blueprint recommendations.

Elected officials and staff from these Founding Communities helped to develop the Blueprint:

Sacramento Area Council of Governments, CA
Sacramento County, CA
Santa Ana, CA
Sonoma County, CA
Stamford, CT
Washington, DC
Boynton Beach, FL
Broward County, FL
Charlotte County, FL
Gainesville, FL
Leon County, FL
Miami-Dade County, FL
St. Petersburg, FL
Savannah, GA
Dubuque, IA
Story County, IA
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Montgomery County, MD
Washtenaw County, MI
Wyandotte, MI
Blue Earth County, MN
High Point, NC
Winston-Salem, NC
Keene, NH
Nassau County, NY
Westchester County, NY
Hamilton County, OH
Greenville, SC
Austin, TX
El Paso County, TX
James City County, VA
Loudoun County, VA
New Kent County, VA
King County, WA
Snohomish County, WA
Soos Creek Water and Sewer District, WA
Tacoma, WA
Whatcom County, WA

To endorse the Blueprint and see the complete list of endorsers, visit www.climatecommunities.us/endorseblueprint.html or www.icleiusa.org/blueprint

CLIMATE COMMUNITIES

Climate Communities is a national coalition of local governments seeking national support for local climate action.

ICLEI Local Governments for Sustainability USA

ICLEI USA provides expertise, technical support, and innovative tools to help local governments advance their emissions reductions and sustainability goals.

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[illegible]ayor Pro Tem
[illegible]que, Iowa

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George Leventhal
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Takoma Park, Maryland

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Diane Dillon
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Pacific Grove, California

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EMPOWERING LOCAL GOVERNMENT CLIMATE ACTION

Blueprint for President Obama and 111th Congress

359 Local Elected Leader Endorsers (as of 12/8/08)

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Calhoun County, Alabama

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Mayor
Anchorage, Alaska

Bruce Botelho
Mayor
Juneau, Alaska

Jeffrey Bush
Deputy Mayor
Juneau, Alaska

Dr. Ron Aames
Councilmember
Peoria, Arizona

Dan Coody
Mayor
Fayetteville, Arkansas

Mark Stodola
Mayor
Little Rock, Arkansas

Robert Lieber
Mayor
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Vice Mayor
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Mark Wheetley
Mayor
Arcata, California

Elizabeth Patterson
Mayor
Benicia, California

John Gioia
Supervisor
Contra Costa County, California

Don Saylor
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Davis, California

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El Cerrito, California

Gary Davis
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Mayor
Waltham, Massachusetts

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Minneapolis, Minnesota

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Councilmember
Kansas City, Missouri

Ed Ford
Councilmember
Kansas City, Missouri

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Deb Hermann
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Councilmember
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Mitchell Greenwald
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Pamela Russell Slack
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Manchester, New Hampshire

Victor DeLuca
Vice Mayor
Maplewood, New Jersey

Fred Profeta, Jr.
Deputy Mayor
Maplewood, New Jersey

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Freeholder
Monmouth County, New Jersey

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CAPABILITIES AND SUCCESS: THE ESSENTIAL ROLE OF LOCAL GOVERNMENTS IN ADDRESSING CLIMATE CHANGE AND REDUCING ENERGY USE

Local governments are at the forefront of the movement to address climate change in the United States. For years, local governments have served as laboratories for innovation, measuring their carbon footprint and developing new approaches to reduce energy use and cut greenhouse gas emissions. The pro-active efforts of thousands of cities, counties, towns, regional metropolitan organizations and public utilities across America to implement projects that reduce greenhouse gas emissions demonstrate the critical impact local governments can have in solving the climate challenge.

LEADING THE GREEN ECONOMIC RECOVERY

Local government can play a key role in stimulating the economy through the creation of green jobs, if there is adequate federal support.

- Economists from the University of Massachusetts Amherst say that a $100 billion green recovery program that invests in building retrofits, mass transit and freight rail, improving the electric grid, wind and solar power, and biofuels would create two million jobs over a two year period. (*Green Recovery: A Program to Create Good Jobs and Start Building a Low-Carbon Economy*, Robert Pollin, Heidi Garrett-Peltier, James Heintz, Helen Scharber, September 2008)
- The U.S. Conference of Mayors recently released the first part of a nationwide survey of local governments, citing approximately 1,600 ready-to-go clean energy and transit projects that could stimulate nearly 120,000 jobs – in just 427 cities that participated in the survey. (http://www.usmayors.org/mainstreetstimulus/)
- The American Solar Energy Society estimates that in 2006 alone, renewable energy and energy efficiency were responsible for $970 billion in industry revenues and 8.5 million jobs. As America's commitment to sustainability continues to grow, green jobs will grow accordingly at every skill and wage level.

The following are examples of the thousands of local government ready-to-go clean energy projects that could be implemented with federal economic recovery assistance. All of these projects would help achieve three critical national objectives -- create new jobs, reduce our dependence on foreign oil, and decrease greenhouse gas emissions.

- With economic recovery assistance, **Montgomery County, MD** would establish a Home Retrofit Revolving Fund to provide energy audits and low interest loans for residential energy retrofits. This program would reduce consumer energy costs, increase home values, and produce significant new green jobs in the construction and building trades. In Montgomery County, a $35 million annual investment would result in $47 million in energy savings benefits to consumers. In addition, a 30 percent participation rate has the potential to reduce nearly 200,000 tons of CO_2 emissions annually.
- With economic recovery assistance, the **City of El Paso, TX** would provide energy retrofits at 53 facilities and at more than 600 intersections. The retrofit project will save more than 10,000

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kilowatts per year, save an estimated $1.743 million annually in energy costs, and reduce annual emissions by 11,300 tons. It will cost an estimated $15 million. The energy retrofits include heating and cooling system replacements, installation of energy efficient lighting systems, and other projects.

- With federal green recovery assistance, the **City of Gainesville, FL** would launch a new Low income Energy Efficiency Program (LEEP) that will assist 336 low income customers in upgrading their homes with energy efficiency measures to reduce energy use, improve comfort, and save money. The proposed project will save 537,936 kWh per year and will eliminate 457 metric tons of CO_2 annually. Job creation will include three full time employees and increased demand for contractors, i.e., HVAC, insulators, electricians, plumbers and general contractors. The project will cost $1 million annually.

- With federal assistance **Westchester County, NY** would install photovoltaic systems in four county office facilities and use the renewable energy generated to run each complex. The proposed project would cost $3.5 million, save 989,000 kwhr per year and $150k annually in energy costs, cut greenhouse gas emissions by 415 tons per year, and create 20 new construction jobs.

- With federal assistance, **Loudoun County, VA** would build the Brambleton Geothermal Fire Station. The new facility will incorporate the latest renewable energy design features such as a 30,000 gallon cistern on site to store rainwater, geothermal wells, ground source heat pumps, and many others at a cost of $7.2 million. It will save 1,179,806 gallons of water per year from rainwater collection, 86,400 gallons of water per year from water efficient fixtures, and will reduce energy consumption by 30 percent annually. The project will employ 20 full time employees when completed and require multiple construction personnel during construction.

- With federal recovery assistance, the **City of Spokane, WA** would implement SmartRoutes, an $11 million transportation plan to make road and trail improvements to facilitate bike and pedestrian travel. When completed, the project will reduce vehicle miles traveled by 91 million miles annually, reduce CO_2 emissions by 58,000 tons a year, and create hundreds of new jobs.

REDUCING ENERGY CONSUMPTION IN BUILDINGS

- According to the U.S. Energy Information Administration, buildings account for almost half (48 percent) of all GHG emissions annually and consume seventy-six percent of all electricity generated by US power plants.
- Experts estimate that three-fourths of America's built environment, both residential and commercial structures, will be replaced or renovated by 2038. Decisions today will impact America's building stock, energy consumption, and GHG emissions for decades.
- EPA estimates that well-designed building codes implemented and enforced in conjunction with appliance standards can lock in cost-effective energy savings of 30 to 40 percent at the time of building construction compared to standard practices.

Local governments are best suited to improve and enforce building codes and create other programs to reduce energy use in commercial buildings and homes. Following are examples of local innovative energy-smart building approaches that could be supported and replicated with national leadership and resources.

- **Nassau County, NY** launched its "Green Levittown" initiative, a public-private partnership to help the 17,000 households of America's first suburb conduct home energy audits, replace old boilers, and make other home energy savings improvements. The project goal is to reduce

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carbon emissions by 10 percent; Thousands of households are participating and the changes being made are resulting in a significant reduction in GHG emissions.

- **Santa Barbara, CA** passed an ordinance in 2007 to become the nation's first city to adopt the 2030 Challenge for all buildings within the city limits. The ordinance seeks to reduce the fossil fuel standard for all new buildings in order to accomplish carbon neutrality by 2030 by enacting building regulations exceeding state standards for energy use among other measures.
- **Montgomery County, MD** recently passed legislation that promotes energy efficiency in new buildings. The bill requires most new commercial, multi-family residential and single family residential buildings to meet certain Energy Star standards, and requires a building owner to pay an Environmental Sustainability Fee if the building does not comply with the energy efficiency and environmental design standards. The legislation also requires the Director of the County Department of Public Works and Transportation to develop an energy baseline, energy unit savings plan, and energy cost savings plan for each County building.

REDUCING CARBON EMISSIONS FROM TRANSPORTATION

- The U.S. transportation sector accounts for a third of all CO_2 emissions and within this share, 60 percent of these emissions come from personal vehicle use.
- While cleaner vehicles and fuels standards are important, increases in vehicle fuel efficiency have not been and are not predicted to be sufficient to keep pace with increases in driving associated with more sprawling development patterns and lack of adequate public transit.
- Numerous studies show that given the option to live in a less automobile dependent location, people will indeed drive less. According to the recent book *Growing Cooler*: *The Evidence on Urban Development and Climate Change,* residents of more compact neighborhoods drive 20-40 percent less on average.

Local governments are best suited to implement programs to increase transit use and reduce vehicle miles traveled (VMT). For example:

- **Sacramento County, CA** and the **Sacramento Area Council of Governments, CA** have established a blueprint for the metropolitan region that links transportation investments to a vision of sustainable future growth and development served by public transit, walkability measures and other approaches to reduce VMT in the region by 27 percent by 2050.
- **Envision Utah** is a collaboration of several public-private stakeholders in the **Salt Lake City/ Greater Wasatch Area** focused on protecting the environment and maintaining economic vitality and quality of life as they accommodate anticipated growth in the region. The collaboration focuses on several key strategies to reduce emissions, addressing VMT though creating more walkable communities; preserving critical lands and park space; developing a region-wide transit system; and fostering transit-oriented development.
- **Stamford, CT** is undertaking a 20-year initiative to improve regional transportation and promote smart growth and economic development through multi-modal transportation investments and transit-oriented development. The initiative encompasses everything from expanding the hub of their transportation infrastructure (the Stamford Transportation Center), building a new multimodal center, and connecting these transportation centers to the new Stamford Urban Transitway, to construction of an urban light rail loop to connect key urban locations through public transit.
- In 2007, **King County, WA** committed to purchase 500 new hybrid buses manufactured by New Flyer and General Motors over a five year period. The buses will be added to a fleet that already has over 200 hybrid buses in service. Hybrid buses use considerably less fuel and reduce some

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exhaust emissions by up to 90 percent. There are currently over 2,000 hybrid buses in use nationwide.

- Since 2001, **Keene, NH** has powered their municipal fleet of 68 vehicles and other city owned equipment with B-20 biodiesel. City operators have stated that the headaches they would get from operating equipment with 100 percent diesel have gone away while operating equipment with B-20.

Increasing the Use of Renewable Energy

- Large, utility-scale renewable projects like wind farms and solar plants are critical to America's energy future, but community-scale renewables are vital as well.
- Solar photovoltaic panels on elementary schools, biomass generation at local landfills and sewer plants, wind turbines powering targeted neighborhoods, town halls heated and cooled with non-polluting geothermal energy and other projects help localities become self-reliant and better able to manage the risks of increasing energy costs, blackouts, and other challenges.

The following local government renewable energy projects demonstrate the kinds of innovation that could be spurred across the nation with federal assistance and incentives.

- **Wyandotte Municipal Utilities, MI** is installing the first-in-the-nation utility-scale wind power project on an urban brownfield. Wyandotte is also considering renewable energy projects including woody biomass generation, river hydrokinetic power systems, combined photovoltaic-concentrated solar technologies, hybrid public utility fleets, and green roofs infrastructure to reduce emissions in a community that has historically relied on petrochemical manufacturing and coal-fired power to fuel the local economy.
- The Department of Energy and the U.S. Environmental Protection Agency are now working with the **City of Stamford, CT** on an innovative wastewater-to-energy project that will convert dried sewage sludge into clean, renewable energy. This first-ever application of biomass gasification technology is free of air and carbon emissions and will use a renewable resource available in nearly every locality. If deployed nationally, this waste-to-energy technology could produce 100 times the electric energy needed to serve U.S. domestic demand, and could reduce 1.1 billion metric tons of greenhouse gases by 2030.
- In 1999, **Story County, IA** constructed Iowa's first county-owned building to use a geothermal heating and cooling system. The geothermal system reduces energy consumption by 40 percent, costs less to maintain, and cuts air-borne pollutants. The County is currently converting other buildings to geothermal energy.
- **Sacramento County, CA** plans to install 16 megawatts (MW) of solar community-wide each year for the next nine years so that two percent of the community's energy would come from solar by 2017. This residential incentive program would supplement existing federal tax credits and utility incentives in order to help transform the solar market and assist Sacramento County in achieving its goal. The project would save 80 million KWh and $8 million per year. GHG emissions would be cut by 25,000 metric tons per year. Meeting the state goal of adding 16 MW per year of solar in Sacramento County would create 600 direct permanent jobs and three to four times as many indirect jobs per the U.S. Department of Energy.

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Local Government Green Economic Recovery Projects

The projects listed below are just a small sampling of the many thousands of ready-to-go clean energy projects that local governments could implement with federal green recovery dollars. This list includes a variety of projects, including building energy retrofits, construction of new green buildings, community-scale renewable energy projects, improvements in mass transit infrastructure and equipment, and projects to reduce vehicle use. While they differ in scope and cost, all of the projects would meet three critical national objectives: create new jobs, save energy and reduce greenhouse gas emissions.

CA	Sacramento County	With federal economic recover assistance, Sacramento County would install 16 MW of solar community-wide each year for the next 9 years so that 2% of the community's energy would come from solar by 2017. This residential incentive program would supplement existing Federal tax credits and utility incentives in order to help transform the solar market and assist Sacramento County in achieving its goal. The cost would be $40 million in additional incentives over the next 4 years. The project would save 80 million KWh and $8 million per year. GHG emissions would be cut by 25,000 metric tons per year. Meeting the State goal of adding 16 MW per year of solar in Sacramento County would create 600 direct permanent jobs would create 3 to 4 times as many indirect jobs per U.S. Department of Energy.
CA	Sacramento County	The county would embark on a street light conversion from High Pressure Sodium to Induction technology which will save 5,200,000 kilowatt-hours annually and create 6.5 jobs per year. The project cost is estimated to be $6.25 million.
CA	Sacramento County	The county would save 672,786 kilowatt-hours annually by converting traffic signals from incandescent lamps to Light Emitting Diodes. The total cost of this project would be $320,000 and it would create 1 new job for a year.
CA	Sacramento County	The projects described below incorporate smart growth principles that will greatly reduce vehicle miles travelled. The investment in these programs will also create a healthier and more livable community while reducing VMT's. With federal investment, many of these projects and programs can be implemented quickly and the benefits can be realized immediately.
CA	Sacramento County	Sacramento's 2007 Los Rios Community College Bicycle and Pedestrian Access Study demonstrates there are many opportunities to improve bicycle connections to transit and bike and pedestrian connections to community colleges. The county would implement the study's findings by significantly upgrading the existing bike path system. The total cost of all Individual projects equals $15 million.
CA	Sacramento County	The Watt Avenue Railroad Undercrossing currently serves as an impediment to the county's bike path infrastructure. A plan is being developed to address both short and long term solutions to this adverse condition for pedestrians and bicyclists. The project will cost $4 million in the short term and $25 million in the long term.

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CA	Sacramento County	The county would make various improvements along Fair Oaks Boulevard to enhance safety and mobility for all travel modes in the corridor. Proposed improvements include installation of landscaping, improvements for Americans with Disabilities Act (ADA) compliance, transit access improvements, bicycle and pedestrian facilities, and signal modifications at select locations. The project will cost $18 million and be completed in phases.
CA	Sacramento County	The county would enhance bicycle and pedestrian mobility along Arden Way by building new sidewalks, constructing Class II bike lane improvements, and adding planter strips, shade trees, and a traffic signal with bicycle and pedestrian detectors. The total project cost is $1.8 million.
CA	Sacramento County	The county would provide pedestrian facilities and improvements all along El Camino Ave including construction on existing corridors to enhance pedestrian safety and mobility. Proposed changes include sidewalk and walkway upgrades, pedestrian signal installation, and improvements to existing signalized and non-signalized intersections and pedestrian crossings. The project's total cost will be $6 million.
CA	Sacramento County	The county would complete Phase III of the Countywide Sidewalk Continuity Project by constructing sidewalks in up to ten locations where pedestrian volumes and adjacent vehicle volumes are relatively high, and where it is unlikely that property development or redevelopment will occur. The estimated cost of this project is $3.15 million.
CA	Sacramento County	The county new enclosed facility at NARS to turn green & wood waste into biomass. The project is moving through the engineering stage and has a shortfall of $2-3 million (total $4-5 million). If funding were available, the project could be completed sooner.
CA	City of Sacramento	Federal recovery assistance would enable the City of Sacramento to implement energy efficiency projects in 80 City owned buildings plus traffic signals and street lighting. Cost effective energy efficiency projects include heating and cooling system replacements, lighting retrofits, motor and pump replacements and other projects. The project would cost $5 million and would save 5 million kWh per year of electricity and 50,000 therms per year of natural gas. The project would save $400,000 per year, cut GHG emissions by 2,000 metric tons per year (60,000 tons over 30 years), and create 25 new construction jobs.
CA	City of Sacramento	The City would install 5 MW of solar at 16 City sites by the end of 2010, which will nearly triple the amount of solar power located within the City. Additional scope is to assist local electric utility (SMUD) achieve goal of 125 MW added by 2017 through community awareness. This project would cost $40 mil before tax credits, reduce energy consumption by 7 million kWh per year, save the City $700k annually, cut GHG emissions by 2,200 metric tons per year and create 200 construction jobs.
CA	City of Sacramento	Sacramento would install geographic positioning systems (GPS) hardware on 1,500 City fleet vehicles and contract with provider to develop monthly reports on usage of those fleet vehicles; report is to include idle time and other vehicle performance indicators. Project cost is $1.4 million, projected energy savings is 200,000 gallons per year of diesel and gasoline, and the project would cut GHG emissions by 1,700 metric tons per year.
CA	Sonoma County	There are over 200 wineries in Sonoma County and the Sonoma County Water Agency recently instituted a program to lower the industry's yearly greenhouse gas assessment and raise awareness of the winery's individual footprint and energy use. Federal green recovery assistance would allow expansion of the program, which involves contacting each winery with the offer to go through the initial hurdle of analyzing their operational carbon footprint through an online greenhouse gas calculation tool.

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CA	Sonoma County	With federal funding, Sonoma County's Energy Independence Program would begin to finance energy efficiency and renewable energy improvements on private properties.
CA	Sonoma County	As part of their Regional Geoexchange Energy Efficiency Project, Sonoma County would develop a geoexchange piping system through a local business park and use treated recycled water running through the ground to heat and cool buildings.
CA	Sonoma County	Sonoma County Water Agency is assessing locations and the financial viability of a network of anaerobic methane digesters that would take advantage of the area's large dairy industry and provide a local, renewable source of electricity.
CA	Fairfax	With federal recovery dollars, the City of Fairfax would implement Bicycle and Pedestrian Master Plan recommendations including new and improved bicycle lanes, paths, signage, and sidewalks to encourage less time in vehicles. Estimated Cost: $1,400,000
CA	Fairfax	The City would Install accessible sidewalks along transit routes to enable residents improved access to public transit – Estimated Cost: $450,000
CA	Fremont	With federal recovery dollars, the city would contract with BART to add the Irvington BART station to the Warm Springs extension project. The cost of the project is $100 million.
CA	Fremont	The city would install intersection ramps at intersections where they do not exist to support bike and pedestrian traffic. The cost of the project is $750,000.
CA	Fremont	With federal recovery dollars, the city would design, build and upgrade its 1,800 streetlights from HPS to LED lamps, reducing energy consumption by 50% or 3.5 million kwh annually for $400,000 savings plus reduced costs of maintenance. The cost of the project is $1.2 million.
CA	Fremont	The city would design and build a 16,000 square foot senior center designed to be reach LEED Gold to serve seniors in the underserved north end of town. The cost of the project is $15 million.
CA	Fremont	The city would design, build and install a 425kW photovoltaic (PV) solar power plant to offset 25% of the current usage of 2 million kwh annually of electricity costing $270k with peak demand loads of 400kW, based on EnvisionSolar Trees of San Diego and 100 stalls permeable surface parking
CA	Fremont	With federal recovery dollars, the city would replace vehicles currently due for replacement with cleaner higher mileage vehicles. The cost of the project is $2.8 million.
CA	Fremont	The city would design, build and replace the police building's existing tar & gravel roof with white singleply membrane cool roof and add solar power (10,000 sf). The cost of the project is $1.5 million.
CA	Fremont	The city would design, build and replace the development center's existing coated roof with white singleply membrane cool roof and seismic retrofit roof framing and sheathing. The cost of the project is $2 million.
CA	Fremont	The city would design and build a 31kw solar power system on top of Fire Station #2's apparatus bay (at 45 feet x 70 feet = 3150 square feet of the roof) for a greener fire station (LEED rated). The cost of the project is $500,000.
CA	Fremont	With federal recovery dollars, the city would design and build a 170kw solar power system on 8000 square feet of Fire Station 11's roof to make the building a netzero energy facility. The cost of the project is $1.1 million.
CA	Fremont	The city would design and build a 100kw solar power system on 8000 square feet of Fire Station #7's roof to make the building a netzero energy facility. The cost of the project is $1.04 million.
CA	Fremont	The city would install a 44 kW Photovoltaic (PV) Solar power plant at Fire Station # 10 Storage (3400 SF roof). The cost of the project is $450,000.
CA	Fremont	The city would design and build a 50ksf cool roof to replace exist tar and gravel roof at the public library. The cost of the project is $1.3 million.

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CA	Fremont	The city would design and build a 500kw solar power system on 40,000 square feet of the public library's roof to make the building a netzero energy facility. The cost of the project is $6 million.
CA	Fremont	The city would improve sidewalks for pedestrian traffic at Palm Avenue Park, Los Cerritos Park, Deep Creek Neighborhood Park, Northgate Park, Sylvester Harvey Park. The cost of the project is $2.6 million.
CA	Fremont	The city would make sidewalk improvements in the historic district - Washington Boulevard curb gutter and sidewalk, Ellsworth to Mission Boulevard, and pedestrian linkage to Historic Mission San Jose. The cost of the project is $200,000.
CA	Fremont	The city would develop a cool roof at a 16,000 square foot community center which currently has leaks and tar/gravel roof. The cost of the project is $450,000.
CA	Fremont	The city would develop a multi use trail from Grimmer Boulevard to Fremont Central Park. Addition of bike lanes pedestrian trail and landscaping between Fremont Boulevard and Paseo Padre Parkway. Improve Paseo Intersection for bikes and pedestrians. The cost of the project is $4.5 million.
CA	Fremont	The city would add a 195kw solar power on a maintenance center's roof and LEED certification plus convert existing HPS yard lamps to LED lamps. The cost of the project is $7.45 million.
CO	Denver metro	The Denver-metro area's multi-jurisdictional transit project, FasTracks, is a 12-year comprehensive plan to build and operate high-speed rail lines and expand and improve bus service and park-n-Rides throughout the region. Scheduled for completion in 2017, FasTracks will create six new commuter rail and light rail corridors, extend three existing corridors, build 18 miles of Bus Rapid Transit, add 21,000 new parking spaces, redevelop Denver Union Station and expand bus service across the entire eight-county District. The project will cost $4.7 billion which will be paid by a combination of local, state and federal funds. Federal green recovery funding would speed up the project and create hundreds of new jobs.
CT	Stamford	The City of Stamford would complete their plans to build a 10-megawatt power plant fueled by gasified sewage sludge, at a cost of $50,000,000. This first-in-the-nation facility will produce enough clean, renewable, carbon-free electricity to power the entire sewage treatment plant and supply power back to the grid. The project will create 75 new green jobs.
CT	Stamford	To further enhance energy efficiency in City buildings, $4,000,000 would fund a fuel cell absorption chiller in the Stamford Government Center. This facility will take the building off of the overtaxed power grid and demonstrate that this technology is a viable and energy efficient alternative to buying power from the utility companies. In conjunction with this project, the City is developing an "Energy Improvement District" downtown, to be fueled by combined heat and power generation and renewable power. Should local businesses agree to participate, the district will improve power quality and reliability, attract more businesses by providing competitive advantage, and improve overall energy efficiency. The project will create 8 new jobs.
CT	Stamford	Habitat restoration along the downtown portion of the Mill River will provide flood mitigation, promote walking from the Transportation Center, and supply space for active recreation. The project cost is $10,000,000. The project will create 100 new jobs.
CT	Stamford	For $5,000,000, the City can convert street lighting and traffic lights citywide to low wattage fixtures and lamps. 500 lamp upgrades result in $10,000 annual savings. The project will create 17 new jobs.

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CT	Stamford	The existing #41 bus service currently operates with two buses to provide transporation between Stamford and Norwalk. The system could be upgraded to Bus Rapid Transit (BRT) by increasing the fleet by four hybrid/alternative fuel buses. BRT provides an easy and attractive alternative to the car, while the current system is mostly used by citizens without cars. The project will create 10 new jobs.
FL	Alachua County	Community Weatherization and Revitalization: $23 million for a weatherization initiative effecting 10,000 low-income residents in substandard housing
FL	Alachua County	County Government Renewable Power Investment: $8.5 million investment towards a one megawatt solar photovoltaic system for County Government facilities.
FL	Alachua County	Waste to Wealth Resource Recovery Park: $53 million resource recovery park and material reuse facility which would help reach the County goal of 75% waste diversion by 2020 and create a green collar job center.
FL	Boynton Beach	The City plans to build a new fire house and make it LEED Silver certified.
FL	Gainesville	With federal green recovery assistance the city of Gainesville would launch a new Low income Energy Efficiency Program (LEEP) that will assist 336 low income customers (as defined by HUD poverty guidelines) in upgrading their homes with energy efficiency measures to reduce energy use, improve comfort and save money. The proposed project will save 537,936 kWh pre year and will eliminate 457 metric tons of CO2 annually. Job creation will include three full time employees and increase the demand and supply of jobs for contractors, i.e., HVAC, insulators, electricians, plumbers and general contractors. The project will cost $1 million annually.
FL	Miami-Dade County	Miami-Dade County would expand chilled water production capacity at the County's downtown newest thermal storage (ice) plant, and connect that plant to a second loop nearby that is served by an older, less cost-effective electric chiller plant. The resulting combined district cooling loop will reduce energy cooling costs by 30%, shift 50% of the electricity consumption to off-peak periods, and provide redundancy to critical infrastructure. This project would cost $20 million, save 11,460,000 kWh annually, cut energy costs by $1,031,726, reduce CO2 emissions by 6,556 tons per year, and create 125 new construction jobs.
FL	Miami-Dade County	The County would install smart meters for building-level monitoring of both grid sourced electricity and building cooling provided through a chilled water loop (flow meters) at 150+ facilities. This retrofit would be a fundamental first step in providing real-time energy monitoring and feedback for employees so as to facilitate and track progress associated with energy conservation practices ranging from operations and maintenance to behavior changes to equipment retrofits. The project would cost $4 million and create 20 installation jobs and 10 energy management technician jobs.
FL	Miami-Dade County	Miami-Dade County would install solar-thermal units in 1000 homes as part of a pilot program. The project will include 3rd party installation vendor partnership management and integration into County water billing. The project would cost $1,500,000 and create 4 trainer jobs, 2 management jobs, 40 installation jobs and 10 maintenance jobs over the course of a 1 year pilot period.
FL	Miami-Dade County	The County would install a large commercial solar system on a portion of the airport terminal roof. The project would cost $4 million and create 5construction jobs.
FL	Miami-Dade County	The County would install a green roof at the General Service Administration Children's Courthouse Roof. The project would cost $300,000 and create 15 construction jobs.
IA	Dubuque	The City would create a national green model of urban adaptive reuse and historic preservation. Estimated cost: $30 million.

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IA	Story County	With federal green recovery assistance, Story County would build on the success of early geothermal projects by retrofitting their Community Life Program building to use geothermal energy rather than conventional sources of energy. Story County currently has three completed geothermal buildings, which have yielded 40% annual energy savings for each building, reduced building maintenance and insurance costs, and achieved total cost savings of $726,000.
IN	Fort Wayne	The City would construct a Green Technology Center. Estimated cost: $2.5 million. Would create 50 construction jobs and 5 permanent jobs.
IN	Fort Wayne	The City would provide weatherization grants ($2 million annually), which would generate 15 jobs.
IN	Fort Wayne	The City would develop a solar program and purchase wind turbines (80 6 x 6 panels and 1 20kw turbine and 1 500kw turbine). The project would create 5 jobs.
MA	Waltham	Waltham has been working with the surrounding towns (Weston, Lincoln and Lexington) to establish a multi-modal center on Interstate 95. The goals would be to reduce the use of single-occupancy vehicles, provide transportation to transit stations and increase access to employment locations. Interstate 95 is a very congested highway, and without global planning there will be a huge negative impact on the quality of life of adjacent neighborhoods in the city and towns and decrease marketability of existing and proposed office complexes. Estimated cost: $2-3 million.
MA	Waltham	The city would retrofit it high school with efficient heating, cooling, lights and windows. Built in 1969, it is the last of the city's schools to be renovated. It needs to change the mechanical systems, windows, doors, technology, science labs to decrease energy consumption and greenhouse gas emissions. Estimated cost: $10 million.
MA	Waltham	Waltham joined EPA's Energy Efficiency Program and has been making some energy changes to its municipal buildings, including gas, light bulbs. With economic recovery funds, the city would make changes to the mechanical systems, windows, and doors; energy efficient technology is needed to decrease energy consumption and greenhouse gas emissions. Estimated cost: $7-10 million.
MD	Annapolis	Federal green recovery assistance would enable Annapolis to implement a program to offer tax-exempt, low-interest loans to property owners who install energy-efficient equipment, with payments on those loans placed directly on property tax bills. Property owners will be able to finance energy improvements such as a high-efficiency HVAC system, energy-efficient windows or rooftop solar panels, and hundreds of new jobs will be created in the energy-retrofit sector.
MD	Montgomery County	With economic recovery funds, Montgomery County would establish a Home Retrofit Revolving Fund to provide lending for residential energy retrofits. This program would include a combination of energy audits that identify cost effective measures; low cost financing and the unique ability of local governments to tie the loan to the property through the property tax bill. A link to the property ensures that the repayment responsibility is with the house and not the homeowner. This program would reduce consumer energy costs, increase home values, and produce significant new green jobs in the construction and building trades. In Montgomery County, a $35 million annual investment would result in $47 million in energy savings benefits to consumers. In addition, a 30% participation rate has the potential to reduce nearly 200,000 tons of CO2 emissions annually.

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MI	Ann Arbor	Ann Arbor has launched a LED Streetlight Replacement Program that will significantly reduce energy consumption by city streetlights. With federal assistance, the completed project would reduce their energy consumption by 50% and eliminate 3,300 tons of carbon emissions per year. To complete the project will cost $3.84 million and generate energy cost savings of $700,000. The project will create 6 new construction jobs, plus unknown permanent jobs in the LED industry.
MN	Blue Earth County	With $7.4 million in federal green recovery assistance, Blue Earth County would repair and upgrade the Rapidan Dam, a renewable energy production facility on the Blue Earth River that generates enough power to supply between 2,000 and 3,000 residences with electricity using hydropower.
NJ	Monmouth County	The County plans to launch a wind and solar application for three municipalities and two school districts - powering water treatment plants and other major infrastructure.
NY	Nassau County	With federal economic recovery dollars the County would install high efficiency sewage pumps, outfall pumps, aeration blowers, motors, lighting, sludge treatment equipment and various electrical improvements at the County's Cedar Creek Water Pollution Control Facility. The project would create 25 jobs and cost $4.2 million, save 7.9 million kWh and over $1 million annually, and reduce CO2 emissions by 4,620 tons annually.
NY	Nassau County	The County would install high efficiency sewage pumps, outfall pumps, aeration blowers, motors, lighting, sludge treatment equipment, screened effluent pumps and various electrical improvements at the County's Bay Park Water Pollution Control Facility. The project would create an estimated 30 jobs and cost $5 million, save over 4 million kWh and over $544,000 annually, and reduce CO2 emissions by 2,365 tons annually.
NY	Nassau County	The County would install high efficiency equipment and various electrical improvements at the County's Glen Cove Water Pollution Control Facility. The project would create an estimated 25 jobs and cost $4 million, save over 3 million kWh and over $500,000 annually, and reduce CO2 emissions by 1,800 tons annually.
NY	Nassau County	The County would install 400,000 square feet of solar panels at the County's Cedar Creek and Bay Park Water Pollution Control Facilities. The project would create an estimated 30 jobs and cost $22 million, generate 2.6 million kWh of clean renewable energy, save over $468,000 annually in energy costs and reduce CO2 emissions by 1,540 tons annually.
NY	Nassau County	The County would replace existing traffic signal light bulbs with new energy efficient LED (Liquid Energy Diode) red, yellow, and green displays. Replacing conventional light bulbs with LED displays will significantly reduce the amount of energy used per traffic signal. This project would create an estimated 20 jobs and cost $10 million, save over 7 million kWh and $1.23 million annually, and reduce CO2 emissions by 4,125 tons annually.
NY	Nassau County	The County would replace its oldest heavy duty diesel trucks with 50 new compressed natural gas heavy duty trucks. The project would create an estimated 35 jobs and cost $8 million and reduce CO2 emissions by 450 tons annually.
NY	Nassau County	The County would install a new compressed natural gas fueling station to support a new fleet of 50 CNG heavy duty trucks. The project would create an estimated 30 jobs and cost $2 million.
NY	Nassau County	The County would install new sidewalks, brick work, benches, Victorian style lights, and trash receptacles in the downtown business district on Franklin Avenue in Hempstead. This project will create new pedestrian connections and attract more customers to the downtown business district thus benefiting the local economy and reducing vehicle miles traveled, fuel usage and carbon emissions. The project would create an estimated 15 jobs and cost $3 million.

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NY	Nassau County	The County would install new sidewalks, brick work, benches, Victorian style lights, and trash receptacles in the downtown business district in Elmont. This project will create new pedestrian connections and attract more customers to the downtown business district thus benefiting the local economy and reducing vehicle miles traveled, fuel usage and carbon emissions. The project would create an estimated 15 jobs and cost $2.9 million.
NY	Nassau County	The County would assist in development of a bus rapid transit system for an area known as the Nassau Hub - the geographic, economic, and cultural center of Nassau County. The Nassau Hub, with its large green spaces, two universities, major retail establishments, the Nassau Coliseum and Museum Row, includes limited mass transit options and very few pedestrian-friendly features. This project includes intersection improvements along the proposed bus route at six locations, signage and striping, ten new bus stops and stations, and six enhanced bus service vehicles. The project would create an estimated 100 jobs and cost $23.4 million and is anticipated to significantly reduce vehicle miles traveled, fuel usage and carbon emissions.
NY	Westchester County	With federal assistance Westchester County would engage in an extensive lighting replacement program for the parking garages in the Michaelian Office Building complex and the Department of Corrections complex to remove the 20-30 year old light fixtures and replace them with energy efficient L.E.D. fixtures. The proposed project would cost $2.0 million, save 495,000 kwhr and $75,000 in energy costs per year, reduce greenhouse gas emissions by 208 metric tons per year and create 10 new construction jobs.
NY	Westchester County	The County would install Variable Frequency Drives to operate the process blowers at the Peekskill Wastewater Treatment Plant. This project would cost $4.1 million, save 765,000 kwhr and $116,000 in energy costs per year, reduce CO2 emissions by 321 metric tons annually and create 15 new construction jobs.
NY	Westchester County	Westchester County would install a new Anaerobic Digester Gas Fueled Engine Generator in the Yonkers Joint Wastewater Treatment Plant and use the digester gas to run a new 1400 KW Engine Generator. The proposed project would cost $6.2 million, save 4,189,000 kwhr per year, save $635k annually in energy costs and create 25 new construction jobs.
NY	Westchester County	The County would replace obsolete rooftop HV units with modern HV systems, replace boilers, and upgrade the lighting system in a county building. The proposed project would cost $4.4 million, save 1,161,000 kwhr per year, cut energy costs by $176k annually, reduce CO2 emissions by 487 tons and create 15 new construction jobs.
NY	Westchester County	Westchester County would increase energy efficiency by installing computerized energy management systems in various county buildings. The proposed project would cost $8 million and create 25 new construction jobs, while saving $800k annually in energy costs.
NY	Westchester County	With federal assistance, the County would replace existing lights in various county buildings with a new lighting system (replacing T-12's with T-5's) and installing occupant sensors that would turn off lights when nobody is in the room. The project would cost $200,000, save 99,000 kwhr per year, create 10 new construction jobs.

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NY	Westchester County	Westchester County would see tremendous energy savings by making several energy efficiency modifications to the County Center. Upgrades would include replacing oil-fired boilers with new Energy Star rated dual fuel burners, replacing HVAC units with newer energy efficient models, and upgrading temperature control systems. The proposed project would cost $1.5 million, create 10 new construction jobs and save $162k in energy costs annually.
NY	Westchester County	The County would install photovoltaic systems in the Low-rise Building, the DES Equipment Signage Facility, the 375 Executive Boulevard building and Hilltop Hanover Farm and use the renewable energy generated to run each office complex. The proposed project would cost $3.5 million, save 989,000 kwhr per year and $150k annually in energy costs, cut greenhouse gas emissions by 415 tons per year and create 20 new construction jobs.
NY	Westchester County	With federal assistance the County would install a wind generator on Hilltop Hanover Farm to power the classroom and associated buildings. The proposed project would cost $200,000, save 66,000 kwhr per year, reduce GHG emissions by 27 tons CO2 per year and create 10 new construction jobs.
NY	Westchester County	Westchester County would upgrade the Thermal Ice Storage Unit in the Michaelian Office Building complex by replacing parts, motors, etc. with high energy efficient units and updating the computerized control systems. The proposed project would cost $500,000, save 330,000 kwhr per year, reduce GHG emissions by 138 tons CO2 annually and create 10 new construction jobs.
NY	Westchester County	The County would initiate a lighting upgrade project at Playland Park, replacing T-12 fluorescent bulbs with T-5s in the office and shop areas and replacing the fixtures on the rides with L.E.D. lights. The project would cost $500,000, save 396,000 kwhr per year, reduce emissions by 166 tons CO2 per year, save $60k in energy costs annually and create 10 new construction jobs.
NY	Westchester County	Westchester County would replace all windows in the Michaelian Office Building complex with thermal pane-double glazed. The project would cost $6.0 Million, save $300k annually in energy costs and create 20 new construction jobs.
NY	Westchester County	The County would replace 30-40 year old boilers (oil fired) with new Energy Star Rated boilers with computerized temperature control systems at various park facilities throughout the county. The project would cost $300,000, save 10,000 gallons of fuel oil per year, cut emissions by 102 tons of CO2 annually and create 10 new construction jobs.
NY	Brighton	The town would replace the town hall's 20+ year-old roof with a green roof system. The estimated cost is $475,000. The project would save 20% of the heating/cooling costs ($4,000 per year), and produce 10 construction jobs.
NC	Fayetteville	With federal recovery dollars, Fayetteville would Install computerized energy management system for lighting and HVAC control in the regional airport terminal building and add window shades on the west window-wall. The project would cost $55,000 and save $50k annually. The project would cut airport energy consumption by 22%, reduce GHG emissions by 369 tons of CO2 per year and create 1 job.
NC	Fayetteville	The City would replace airport terminal windows with energy saving models at a cost of $2 million. The project would generate a 10% energy savings, save $70k in energy costs annually and create 10 construction jobs.
NC	Fayetteville	Fayetteville would repair/resurface downtown streets and implement streetscape improvements to spur residential and commercial economic development in the central city. The project would cost $2.5 million, cut vehicle miles traveled and create 15 construction jobs as well as 100 or more permanent office and retail jobs.

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NC	Fayetteville	A $5 million sidewalk installation project would reduce vehicle miles traveled and create 20 construction jobs.
NC	Fayetteville	A $6.5 million street and sidewalk improvement project would facilitate pedestrian traffic and reduce fossil fuel use while creating 25 construction jobs.
NC	Fayetteville	Fayetteville would retrofit the City fire stations including installing Energy Star appliances, lighting and window upgrades, insulation and plumbing upgrades and solar panel installation to provide hot water. The project would cost $4.5 million, cut energy consumption by 40%, save $400k annually and reduce GHG emissions by 60 tons per year.
NC	Fayetteville	The City would also build two new energy-efficient fire stations and replace a fire training drill tower and purchase 7 hybrid fire prevention vehicles. The total cost for these projects is $3.8 million, would cut energy costs by approximately 40%, save $70k annually and create 80 construction and 15 firefighter jobs.
NC	Fayetteville	Fayetteville's Parks and Recreation Department would implement 3 garden and trail projects and build a park visitors/ training center. Total cost of these projects is $4.5 million, they would save approximately 45% in energy consumption, improve air quality, eliminate 80 tons per year of GHG emissions and create new construction jobs.
NC	Fayetteville	Fayetteville would retrofit its solid waste office facility by upgrading windows and HVAC units and adding insulation. The project would cost $95,000, cut energy use by 35%, cut 130.3 metric tons of GHG emissions and create 2 jobs.
NC	Fayetteville	The City would replace general fleet vehicles (pickup trucks, utility vehicles, sedans for inspectors, surveyors, engineers, parks employees, fire chiefs, street maintenance employees, etc.) with hybrid/electric/alternative fuel vehicles when they reach 5 years or 75,000 miles. The cost would be $3 million, fuel consumption would be cut 25%, carbon dioxide emissions would be reduced by 176 metric tons and jobs in the automotive industry would be created.
NC	Fayetteville	The City would also invest $4.5 million to purchase 8 hybrid buses, which would save 1.5 gal of diesel per mile/bus; save $63,500 annually and create automotive jobs.
NC	Fayetteville	With federal recovery funding, the City would replace 18,696 traditional streetlights with more energy efficient LED lights on residential streets and thoroughfares. The total cost of the project would be $18.7 million. Energy savings are estimated at 5.2 kilowatt-hours annually, and energy cost savings would amount to $1.26 million (60% reduction). The project would create 6 jobs.
NC	Raleigh	The City seeks to completely upfit an existing 31,000 sf. police facility building with new mechanical and electrical systems and new exterior windows and doors. Sustainable and renewable materials to be used where cost effective. The project would save 80,000 kWh per year. Estimate cost: $5.2 million.

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NC	Raleigh	With federal recovery assistance, the City would begin construction of an energy-efficient public safety center, which would house an Emergency Communication Center (911 Call Center), an Emergency Operations Center, Police Administration, Fire Administration, the City Information Technology Data Center and Administrative Offices, the Facilities and Operations Division, andthe Traffic Control Center. Several operations in the building function 24 hours per day and require very reliable/redundant building systems. Conservatively, energy savings would be approximately 15% of current ASHRAE or code minimums or about 8,200,000 kWh savings per year (approximately $600,000 per year). Estimated cost: $226 million. The project supports the normal growth in the number of city employees to provide required services, or approximately 200 people by the year 2017. Construction of the facility will sustain or create approximately 300 jobs over the approximately 3 year construction period.
OR	Ashland	Federal recovery dollars would enable Ashland to implement 3 sidewalk projects that would facilitate safe pedestrian travel and reduce vehicle miles traveled. The projects would cost $1 million and create several construction jobs.
TX	El Paso	The City would implement a street light conversion initiative. Estimated cost: $5 million. Would create 110 jobs.
TX	El Paso	The City would install gas collection and electrical generation systems at the City-owned landfill. Estimated cost: $6.25 million. Would create 138 jobs
TX	El Paso	El Paso is launching a Citywide Energy Retrofit Project. With federal green recovery assistance, the project would provide energy retrofits at 53 facilities and at more than 600 intersections. The retrofit project will save more than 10,000 kilowatts per year, save an estimated $1.743 million annually in energy costs, reduce annual pollutants by 11,300 tons. It will cost an estimated $15 million. The energy retrofits include heating and cooling system replacements, installation of energy efficient lighting systems, and other projects.
VA	Albemarle County	With federal recovery assistance Albemarle County would replace the windows in its McIntire Rd. County Office Building to further county goals of reducing government energy consumption by 30% by 2012. Total project cost is estimated to be $1,260,000.
VA	Alexandria	The City has a goal of achieving LEED Gold certification at its new police facility, with a target of reducing energy consumption by 22%. The project has been designed to achieve Gold status but will likely be scaled back to Silver if pending upcoming negotiations don't meet the budget. The project would reduce carbon emissions by 375 metric tons. Estimate cost: $800,000.
VA	Alexandria	The City has a goal to meet LEED Silver standards at Fire Station 210, but could achieve Gold status with additional funding to improve energy performance. The project would reduce carbon emissions by 128 metric tons. Estimate cost: $650,000.
VA	Charlottesville	Federal green recovery assistance would fund forty-two individual HVAC projects, replacing and upgrading 258 pieces of equipment. Advances in technology in the years since the installation of existing equipment provide the opportunity to increase the energy efficiency of every piece of equipment, resulting in direct and lasting cost savings to operating budgets, as well as significant reductions in greenhouse gas emissions. The project cost is $1,400,000.

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VA	Charlottesville	The City would implement Block-by-Block, modeled on a Portland, OR program of weatherizing low income housing. The initiative's goal is to weatherize every low income home within City limits that needs it. The City will work in conjunction with DOE's WAP, LIHEAP, and other NPO's to get this done. The first step is to perform a study to map out properties involved and come up with a plan to enact the program. Cost for study: $20,000. Cost for program: $150,000 yearly until completed.
VA	Charlottesville	The City would make a large number of Home Energy Audits available for local residents at a free or discounted cost. These audits would include a visual inspection and basic energy efficiency education, but not blower door testing. The point is to reach a large number homeowners to show them how simple, effective weatherization or efficiency measures can be done inexpensively. The program would work in conjunction with the Green Job Training program: individuals in that program would be trained to perform the audits. Cost: $100,000 yearly and funded for 3 years.
VA	Charlottesville	The City would develop a program that works with disadvantaged or displaced workers to help them develop job skills that both serve the community and provide them with opportunities for good paying employment. Cost: $200,000.
VA	Loudoun County	With the assistance of federal economic recovery dollars Loudoun County could build a project such as the Brambleton Geothermal Fire Station. This facility will incorporate the latest renewable energy design features such as a 30,000 gallon cistern on site to store rainwater; geothermal wells and ground source heat pumps; pervious concrete paving to reduce the building's heat island reflect; and low flow shower heads and urinals. The project will cost $7.2 million and will save 1,179,806 gallons of water per year from rainwater collection, 86,400 gallons of water per year from water efficient fixtures, and will reduce energy consumption by 30% annually. The project will employ 20 full time employees when completed and require multiple construction personnel during construction.
WA	King County	With federal support, the County would install two energy efficient blowers as replacements to existing centrifugal preaeration blowers at its wastewater treatment facility. Energy cost savings per blower: $12,000 annually. Estimated project cost: $285,000.
WA	King County	The County seeks to purchase 40 50ft hybrid buses to expand and replace its diesel bus fleet. Funding would cover the incremental cost difference between standard diesel coaches and hybrids. Estimated cost: $10 million.
WA	Spokane	As part of a prioritized active transportation plan called SmartRoutes, Spokane would like to build five new transportation projects in 2009 that when completed will reduce vehicle miles traveled by 91 million miles annually, reduce CO2 emissions by 58,000 tons and create hundreds of new jobs. Projects are described below.
WA	Spokane	As part of their Phase II Fish Lake Trail, Spokane would construct 4.4 miles of trail including the rehabilitation of 4 railroad bridges, a trail head, informational kiosk, signage, and benches located along the trail at view points. The project will cost an estimated $2 million.
WA	Spokane	The City of Spokane would make several improvements to their downtown area to make it easier for bicycle traffic. Improvements include striping and signing bike lanes, the addition of a shared use bicycle pedestrian path, and construction of bike parking facilities in the downtown core. The project's estimated cost is $719,000.
WA	Spokane	Spokane is making improvements to the Historic Iron Bridge to use it as a trail extension of the 37 mile long Centennial Trail. The project includes building a new deck, providing minor repairs, installing safety rail, new paint, improved lighting, and approach grading/paving -- at a cost of $1,180,000.

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WA	Spokane	The City would establish a trail link between Liberty Park, the University District and downtown Spokane by building the new Ben Burr Trail. Total project cost is estimated to be $350,000.
WA	Spokane	Spokane is reconstructing a 5-Mile Roadway between Ash Street and Lincoln Road to current Arterial Street Standards. Improvements include complete street items such as separated sidewalks, climbing bike lane, and shared use lanes for bikes and plantings. The project's total cost estimate is $6,868,000.
WA	Tacoma	The City's wastewater treatment division seeks to generate green energy from waste products. The ultimate goal of this initiative is to generate power at the treatment plant, while at the same time minimizing the power required and the greenhouse gas emissions associated with current waste disposal practices. The initiative would also reduce waste treatment costs of participating businesses.
WI	Dane County	Federal green recovery assistance would help Dane County to construct a large scale community manure handling facility that would generate 29,600 KWH/day of electricity and capture 203 tons per year of phosphorous pentoxide.
WI	Dane County	Dane County would install a solar hot water system to provide 75% of daily hot water for the city-county building at a cost of $187,300.
WI	Dane County	The county would develop new bike and pedestrian trails that would improve navigation and flow on the Yahara River, encourage pedestrian travel and reduce vehicle miles traveled. The projects would cost $5.4 million.
WI	Dane County	Federal assistance will also help Dane County implement an aggressive Energy Independence and Sustainability Initiative with a goal of reducing current energy use by at least 10% by 2010 and 25% by 2025 through energy efficiency improvements and use of renewable resources. The following projects would be implemented in 2009, creating jobs and helping the County reach its ambitious energy reduction goals:
WI	Dane County	Zoo Administration Building energy efficiency improvements ($100,000);
WI	Dane County	Build a gas to energy recovery system for the Rodefeld landfill ($250,000);
WI	Dane County	Application of bio-reactor technology to increase solid waste facility life creating potential additional revenue of $5,000,000 ($500,000);
WI	Dane County	Build a solid waste transfer station to transfer out construction and demolition material in order to slow down filling rate and control landfilling price ($4,000,000);
WI	Dane County	Funding to implement a geothermal heating and cooling system, install solar hot water system and construct "green" roof for the Badger Prairie Health Care Center ($100,000);
WI	Dane County	Funding for departments to implement energy efficiency, alternative energy, and sustainability initiatives recommended by feasibility studies to increase the county's energy independence, save tax dollars and reduce pollution ($100,000).

OBAMA-BIDEN TRANSITION PROJECT

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