



DRAFT



For more information, contact: Ann Brown for Climate Communities, 202-478-6135, abrown@annbrowncommunications.com, or Annie Strickler at ICLEI USA, 510-844-0699 x328, annie.strickler@icleiusa.org

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.



- 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.
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
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	Stamford could implement five major projects in the next 12 months if federal funds are made available, including a \$50,000,000 investment in the first-in-the-nation system to gasify processed sewage sludge into enough clean, renewable, carbon-free electricity to power critical urban infrastructure; \$4,000,000 to install a fuel cell absorption chiller in the Stamford Government Center, which would take the building off of the overtaxed power grid and demonstrate that the technology is a viable alternative to buying power from the utility companies; \$5,000,000 to convert street lighting and traffic lights citywide to low wattage fixtures and lamps; \$10,000,000 for habitat restoration along the downtown portion of the Mill River to provide flood mitigation and promote walking from the Transportation Center and active recreation; and \$2,400,000 to upgrade bus service to Bus Rapid Transit by increasing the fleet by four hybrid/alternative fuel buses. Altogether, the City estimates that these programs would create 210 jobs and considerably reduce greenhouse gas emissions by 2010.



- 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 5 construction 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 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.
- 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.
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.
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.
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.
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.
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.
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.
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	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	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.
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	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.
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.
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 Rodefild 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).