



# 100 RECOVERY ACT PROJECTS THAT ARE CHANGING AMERICA



SEPTEMBER 2010



When the President signed the Recovery Act in February 2009, every American was feeling the impact of a massive recession. The floor was falling out from under the American economy.

Over the last decade, failed economic policies left unemployment rising dramatically. Clean energy, research and technology projects were starved of working capital and the nation's infrastructure – the roads, rails and bridges that power our economy – were falling into disrepair. Small businesses could not gain access to the credit they needed to grow. American factories closed their doors as more manufacturing moved abroad. The country had no clear path towards recovery.

To proactively address this reality, the President signed the Recovery Act to begin to reverse those failed economic policies and invest in a strong foundation for a 21<sup>st</sup> century economy. It cut taxes for 95 percent of Americans, and business across the country are taking advantage of the tax provisions in the Act, from energy to small business tax credits. Private companies are once again adding jobs; new businesses are opening their doors. Companies are bringing jobs they had shipped overseas back home.

This report shines a spotlight on some of the most innovative and effective projects nationwide that are not only putting people back to work now, but helping transform the American economy for years to come.

Projects like these are helping turn the tide against an economy that was floundering only eighteen months ago, and are creating good middle class jobs—jobs that will last for decades to come. The nonpartisan Congressional Budget Office (CBO), and many independent economists, report that the Recovery Act is putting more than three million people to work. From wind turbine production in Muncie, Indiana to expansion of a tunnel in Oakland, California, millions of Americans are on the job nationwide working on Recovery Act projects like the ones in this report.

Many of these projects also lay the foundation for sustainable economic growth and job creation: traditional infrastructure projects like highway, railroad, and waterway construction and 21<sup>st</sup> century infrastructure projects like the installation of broadband lines and towers.

What's more, whole new industries are springing up on American soil.

In the past eighteen months, we have broken ground on nine electric-car battery plants, which will provide capacity for twenty percent of the world's car batteries—up from two percent when the Recovery Act passed. We have approved work on the world's largest solar plant, we are supporting wind farms, we have weatherized almost 200,000 homes, and we have installed over two million smart meters. We are building improved health facilities for American troops, helping small businesses get loans, and building cutting-edge clean energy technologies in the United States.

And the Administration is not doing it alone.

Recovery Act projects that leverage outside capital are being matched by nearly \$300 billion in other funding, or \$3 of outside capital for every \$1 of government investment. This co-investment — combining the efforts of federal, state, local, and private capital — is re-energizing the American economy.

The projects in this report represent just a small fraction of the tens of thousands of projects the Recovery Act is supporting. But they show how the Recovery Act is starting to reverse the failed policies of the past decade, rebuild a new foundation for our economy that puts the middle class first, and change America to better compete in the 21<sup>st</sup> century.

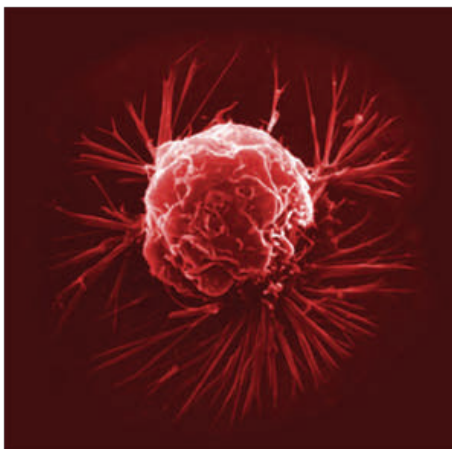
## 1. Support for Injured Veterans at the Warriors In Transition Complex – Fort Bliss, Texas – \$51 million

The Department of Defense is committed to providing high quality support to wounded, ill and injured Soldiers, Sailors, Airmen and Marines. To this end, the Department is using \$100 million of Recovery Act funds to construct two Warrior in Transition (WT) complexes, one of which is located at Fort Bliss, TX. This project, which has created approximately 230 jobs so far, was awarded under two contracts. The first contract was awarded to Sundt Construction on May 1, 2009 and the second was awarded to FPM Remediations, a small business, on June 25, 2009. This 185,000 square foot complex consisting of a 232 person barracks, a Battalion and Company Administrative building, and a Soldier and Family Assistance Center (SFAC) is designed to provide housing, social, legal, counseling, and financial services to injured soldiers as they transition within and out of active duty service. This project is scheduled to be complete in February 2011.



## 2. Advancing the Fight Against Cancer – \$153.5 million

The Recovery Act is supporting The Cancer Genome Atlas project (TCGA), a large-scale collaborative effort involving 15 premier research institutions across the United States to characterize the genetic and genomic changes that occur in human adult cancers. The project involves more than 150 researchers to comprehensively characterize the genomic alterations and molecular pathways involved in the development of human adult cancers. The increase in number of cancers being studied, combined with the emergence of powerful new technologies to sequence and analyze cancer genomes, could fundamentally change cancer research and, ultimately, cancer treatment. For example, TCGA data and insights gained from other Recovery Act-funded research could substantially shorten the time and reduce the costs involved in drug development. The information on genomes generated as a result of this study could eventually allow doctors to identify the genetic subtype of cancer affecting a patient. This means that specific, targeted treatments could be chosen for their efficacy and tailored to the patient in ways never possible before. In addition, this study could help develop preventative measures and ways to target and intervene with cancer long before any tumor develops or symptoms first appear.



### 3. Manufacturing Electric Car Components – Charlotte, North Carolina – \$49 million

Celgard, a company that manufactures battery separator materials which are a key component of lithium-ion batteries for electric drive vehicles, won a \$49 million Recovery Act grant to expand capacity at its manufacturing operations in Charlotte and build a new manufacturing facility in Concord, North Carolina. According to Celgard, their Recovery Act-funded project has supported more than 100 jobs already, and will support more than 250 jobs when the project is complete. Building off of the initial Recovery Act investment, Celgard and its project partners are investing private funding to cover more than half the total project cost.

### 4. Bringing Energy Efficient Appliance Production Back to America – Louisville, Kentucky - \$24 million

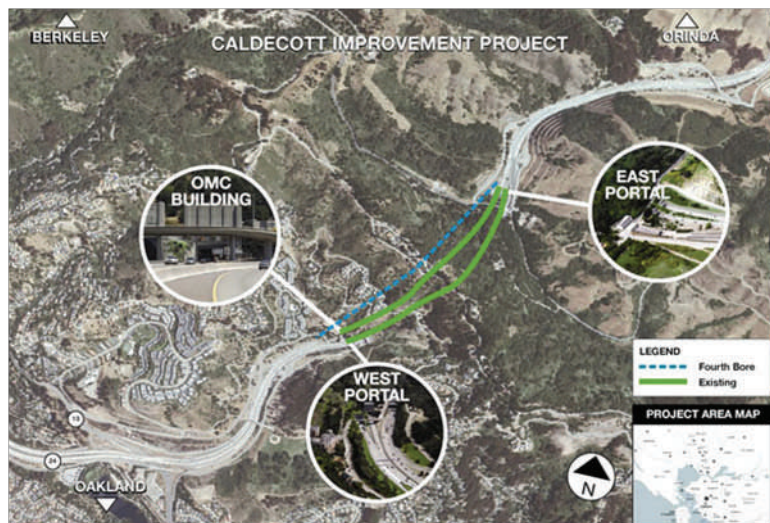
Supported by \$24.8 million in Recovery Act funds through a 48C Advanced Energy Manufacturing Tax



Credit from the Department of Treasury, General Electric is investing \$600 million into its Louisville, Kentucky Appliance Park facility to expand manufacturing of energy efficient home appliances. With these funds, GE will bring the production of one of its lines back from China, as well as plan to add 800 new jobs through 2013. Already, according to GE, more than 135 new employees have been hired – a literal example of “in-sourcing” production.

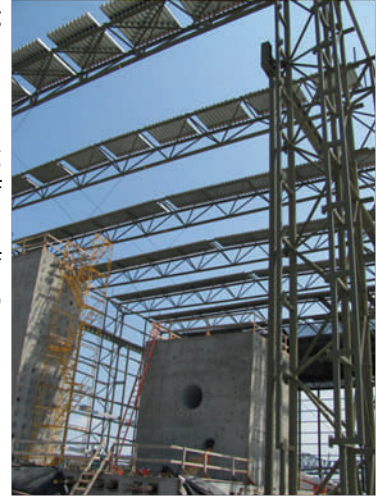
### 5. Expanding the Caldecott Tunnel – Oakland, California – \$198 million

The California Department of Transportation is using \$198 million in Recovery Act funds to expand the Caldecott Tunnel, which connects the Contra Costa suburbs to the city of Oakland through the Berkeley Hills. With about 250 workers on the job currently, workers continue to be hired for the project, while tunnel boring is underway on both sides of the mountain. The additional two-lane bore, which will bring the total number of lanes to eight, is expected to alleviate congestion on Highway 24 for approximately 160,000 daily commuters.



## **6. Bringing Large Wind-Turbine Testing to America for the First Time – Boston, Massachusetts - \$24.7 million**

The Massachusetts Clean Energy Center received a \$24.7 million award from the Department of Energy to construct a wind blade testing facility. This facility will be the largest of its kind in the world – capable of testing 3 large wind-turbine blades, up to 90 meters in length. The project is expected to be completed by February 2011, and a number of private blade manufacturers have already agreed to send their blades to Boston for testing. Currently, blades of this size are rarely produced in the United States because the cost of testing them overseas is too high. In addition to employing 60 construction workers, this facility could change the wind turbine manufacturing industry in America.



## **7. Welcoming Development in a Cleaned Up Industrial Park – South Plainfield, New Jersey – \$30 million**

The Cornell Dubilier Electronics site in South Plainfield, New Jersey received \$30 million in Recovery Act funding to accelerate the cleanup of contaminated soil and debris. During its years of operation at the site, Cornell Dubilier Electronics, Inc. manufactured electronic parts and components, including capacitors. The soil is contaminated with semi-volatile organic compounds, metals, and PCBs and is being treated on-site using low temperature thermal desorption or transported off-site for disposal.



Addressing the contaminated soils will allow redevelopment to begin at the industrial park, which is part of a Borough of South Plainfield approved redevelopment plan. Approximately 68 jobs have been created and so far, more than 41,000 tons of soil has been treated. Projected completion is expected in Spring 2011.

## **8. Small Business Success With The Help of the Recovery Act – Albany, Georgia – \$3.2 million**

Equinox Chemicals designs, manufactures and distributes chemical products; primarily organic molecules used in various specialty chemical compounds. In 2009 Equinox Chemicals' export sales doubled, having grown to represent over 40 percent of their total business. To meet the demand for its products, the company obtained a \$3.2 million SBA 504 loan through Southern Georgia Area Development Corporation and Flint Community Bank to finance a major plant expansion. Over \$27,000 in fees were waived since the 20-year loan was made under the Recovery Act. The loan, approved on May 19, 2010, will fund the purchase of additional land and an adjoining building, along with new equipment and other improvements. It will also help create over 20 new jobs over the next 18 months. The 504 loan combined a 50 percent loan from the bank with another 40 percent funded by CDC debentures and guaranteed by SBA. About 10 percent of the expansion costs are being covered by Equinox.

## 9. Lighting Up Manufacturing Growth – Durham, North Carolina – \$39 million

Cree Inc., the leading U.S. manufacturer of solid state lighting, was selected to receive a \$39 million 48C Advanced Energy Manufacturing Tax Credit. With this financial flexibility, Cree has purchased new equipment to add capacity and capability to lower production costs of LED chips and fixtures. As of May 2010, Cree reported having added nearly 375 jobs since the beginning of 2009. Cree has used existing cash to purchase the equipment, and the tax credit will offset Cree's next round of equipment purchases, which will help the company stay ahead of competitors in Korea, China and Japan.



## 10. Improvements to One of Wisconsin's Busiest Roads – Wisconsin – \$94 million

As one of the busiest north-south freeway corridors in Wisconsin, I-94 extends from Milwaukee County south through Racine and Kenosha counties to the Illinois state line and traffic on certain sections is expected to increase by 38 percent in the next 25 years. Thanks to \$94 million in Recovery Act funding, the Wisconsin Department of Transportation is widening – from six to eight lanes – a portion of a 35-mile section of I-94 that runs south of the Mitchell Interchange in Milwaukee to the Illinois state line. The additional lanes also will improve inter-modal access, including access to General Mitchell International Airport in Milwaukee and the Port of Milwaukee. The port represents a regional transportation and distribution center with markets that include Wisconsin, northern and western Illinois, and Minnesota. Currently, 70-100 employees per day are working on the project at one of the two separate work sites in Kenosha and Racine. This project also includes a unique Pre-Apprenticeship Training program which provides local workers in Racine and Kenosha with job training and introductions to prospective employers.

## 11. A New Highway Improves Commercial Access to Appalachia – Nelsonville, Ohio - \$138 million

The Ohio Department of Transportation is using \$138 million in Recovery Act funding for the Nelsonville Bypass project, the largest infusion of Recovery Act funds Ohio has received for a single project. The



project has created nearly 300 jobs in Ohio since breaking ground in the fall of 2009. The new 8.5 mile, four-lane highway will divert freight traffic away from local Nelsonville roads and allow the 620,000 trucks that travel this route every year to do so more quickly and efficiently. The new bypass, which is the final upgrade of the U.S. 33 corridor in southeast Ohio, will also provide much-needed transportation infrastructure to support current and future commerce to Appalachia.

## **12. Intersection Completed, Benefitting an Entire Region – Loveland, Colorado - \$3 million**

On August 12, 2010 the new interchange at Crossroads Boulevard and Interstate 25 in Loveland, Colorado opened, addressing a significant regional transportation problem and providing benefits to the region's residents – benefits that would likely have taken another 10-20 years to materialize without this additional funding. The \$5.5 million project, which combined \$3 million in Recovery Act funds with funds from a metro district maintained by developer McWhinney and funding from local tax funds, features a large roundabout on either side of I-25 and pedestrian walkways below the bridge, and is expected to handle about 24,000 vehicles per day. In the final quarter before completion, this project supported 22 employees.

## **13. Increasing Wind Turbine Production – Muncie, Indiana – \$12.8 million**

Brevini Wind is a wind gear box manufacturer which, by combining over \$12 million in Recovery Act tax credits with over \$60 million in investments of private capital, is building a new plant in the small manufacturing town of Muncie in Central Indiana. The company recently signed a \$100 million agreement with WinWind, a Finnish manufacturer of wind power plants to supply main drives for Win Wind's 3 MW Turbines. The main drive units are one of the most important, complex, and expensive components in wind turbines – and have largely been produced outside the United States at this point. The plant, scheduled to be up and running by late 2010, is expected to employ 450 people building planetary gearboxes, which convert kinetic energy from wind turbines into electricity.

## **14. Connecting Downtown Tampa with the Port of Tampa – Tampa, Florida - \$105 million**

The Recovery Act is contributing \$105 million through a Highway Infrastructure Investment Grant towards a \$653 million project that will link Interstate 4 and the Lee Roy Selmon Crosstown Expressway in Tampa, Florida. The new elevated roadway will include a series of separate ramps that merge into a 12 lane roadway, and provides improved regional movement of traffic near Tampa Bay. More than 12,000 commercial trucks that travel through downtown to and from the Port of Tampa every day will receive a direct access route to the Port of Tampa. Already, the city of Tampa has reported more than 150 jobs created due to the Recovery Act funds.

## **15. Manufacturing Smart Meters for the Smart Grid – West Union, South Carolina – \$5.2 million**

Headquartered in Washington State, Itron, Inc. is a manufacturing and information integration company, as well as a leading technology provider to energy and water industries throughout the world. Itron received a \$5.2 million 48C Advanced Energy Manufacturing Tax Credit under the Recovery Act that will help them re-equip their West Union, South Carolina facility to produce an increased number of OpenWay CENTRON smart meters for smart grid projects around the country. The company has reported significant growth recently with more than 200 new jobs coming as a direct result of the Recovery Act funding as well as the expanded demand created by the Recovery Act's smart grid investments. Itron estimates that one year's production of the meters will be able to reduce electricity use by approximately 1.7 million megawatt hours per year.





## **16. Expanding to Manufacture Solar Energy Materials – Circleville, Ohio - \$50 million**

A \$50 million Recovery Act 48c Advanced Energy Manufacturing Credit, along with \$6 million in state incentives, is helping DuPont fund a \$175 million expansion of its Circleville, Ohio plant as part of a multi-phase capacity expansion to manufacture Tedlar, a thin-film solar application. DuPont applied for the 48C tax credit in parallel with the work with the Ohio Department of Development. The prospect of combined federal and state incentives supported a decision for domestic U.S. manufacturing and the selection of the Circleville site. DuPont employs 1,300 people across Ohio with operations at 15 sites.

## **17. Pushing Innovation in Photovoltaic Solar Panels – Longmont, Colorado and Tipton, Indiana – \$400 million**

The Department of Energy has conditionally committed to provide a \$400 million loan guarantee to Abound Solar Manufacturing, LLC to manufacture state-of-the-art cadmium telluride thin-film solar panels. The project includes two facilities: the capacity expansion of an extant facility in Longmont, Colorado and the construction of a new facility in Tipton, Indiana. When fully operational, the company will produce millions of solar panels annually at a lower cost than some competing technologies due to the use of cutting-edge solar manufacturing technologies. The company anticipates that the project will create approximately 2,000 jobs during construction and 1,500 permanent jobs.

## **18. Spurring Investment in Wind Power - DeKalb County, Missouri -\$107 million**

The 150 megawatt Lost Creek Wind Farm, developed by St Louis based Wind Capital Group (WCG), received a \$107 million 1603 grant-in-lieu-of-tax credit for renewable energy generation award in July of 2010. The project created over 300 jobs on-site while under construction. General Electric supplied 100 of its 1.5 megawatt turbines for the project and the transformers were manufactured by ABB in Jefferson City, Missouri.

## **19. Rehabilitation of the Staten Island Ferry Terminal – Staten Island, New York – \$175 million**

The NYC Department of Transportation (NYCDOT) is using \$175 million in Recovery Act funds to rehabilitate eight vehicular bridges, one pedestrian bridge and one parking field which provide commuter access to the Staten Island Ferry Terminal. With over 120 workers currently on site, the project has provided a significant boost to the local economy. The bridges support pedestrian traffic, MTA bus routes and stations, drop off and pick up taxi service, and other passenger vehicle traffic. The rehabilitation of the St. George Ferry Ramps will restore and preserve the structural integrity of these bridges for another 25 years while completing the makeover of this vital transportation hub.



This hub provides a direct connection for 60,000 riders on a daily basis to and from Manhattan.

## **20. Battery Manufacturing and Electric Drive Component Grants – Livonia, Michigan – \$249 million**

A123 is using its \$249 million Recovery Act award to build battery factories in Livonia, Romulus, and

Brownstown, Michigan. The factories will help America become a leader in battery manufacturing technology while also providing a critical link in the supply chain for other clean energy technologies and products. The company, which received its award on December 3, 2009, has already reported the creation of 90 new jobs, and expects to hire over 3,000 people by 2012. A123 has signed contracts with Navistar and Fisker, and is actively working with several well-known carmakers. The company plans to ship the first battery from its high-volume production line in Livonia this September.

### **21. Financing an Entrepreneurial Veteran in Florida – Jacksonville, Florida - \$1.1 million**

Virginia native Andy Harold served 10 years as a Navy helicopter pilot, then started working for a company that did helicopter training for the Department of Defense using multimedia. As he drew to the end of his contract with that company, Mr. Harold decided to fulfill an entrepreneurial dream and start A. Harold + Associates. To support this dream, Mr. Harold applied for and received two SBA Recovery loans from Regions Bank over the past year. First, in September 2009, he received a Patriot Express loan for \$350,000 to help with general operations. Then, in February 2010, he received a 7(a) loan for \$750,000. Because of the waived fees, he saved over \$33,000 on these two Recovery loans, and he is hiring 10 new people.

### **22. Supporting Businesses that Support Our Troops – Wilmington, Delaware – \$1.6 million**

Masley Enterprises manufactures high-tech gloves that provide protection for American soldiers without restricting their flexibility or movement. In 2009, Masley won a major contract to supply gloves for soldiers in Iraq and Afghanistan. Masley turned to the Small Business Administration for a \$1.6 million Recovery Act 7(a) loan, which, thanks to the Recovery Act, carried a 90 percent government guarantee and saved Masley Enterprises \$55,000 in fees - crucial to the bank's decision to approve the loan. Between the Recovery Act loan and the Army contract, Masley was to rehire some employees who had been laid off during the economic downturn. Today, Masley Enterprises has annual sales of \$2.9 million and manufactures its own products with 44 employees.

### **23. Connecting Communities with Rail Transportation – Dallas, Texas – \$61 million**

Approximately \$61 million in Recovery Act funds helped fund the 14-mile Orange Line rail construction project that will connect Dallas, the thriving Las Colinas Urban Center (LCUC) in the nearby city of Irving, and ultimately Dallas Fort Worth International Airport. This large project has produced over 600 construction jobs with more than 80 contractors based in 14 states. The Orange Line has also generated more than \$4 billion dollars in transit-oriented development within the corridor, including more than 10,000 new housing units, 18,000 new employees added more than 200 area businesses, and a \$135 million Irving Convention Center set to open in 2011.



### **24. Keeping Clean Energy Jobs of the Future in America – Holland, Michigan - \$299 million**

Johnson Controls won a \$299 million grant to build a battery manufacturing facility in Holland, Michigan. Johnson Controls is matching the investment dollar-for-dollar, and will be creating new high-

tech jobs in the automotive industry. The project is already bringing jobs to Holland - Johnson Controls has created or saved at least 100 jobs so far, and expects to create 500 permanent positions when the project is complete. Before the Recovery Act grant, Johnson Controls had considered Asian locations for its first high-volume advanced lithium-ion battery factory. The Recovery Act allowed the company to build in Holland, hire local construction and manufacturing workers, and help create a domestic advanced battery industry. Johnson Controls has already signed contracts with Ford and Azure dynamics, and plans to ship its first battery in September of 2010, only ten months after receiving their grant.

## **25. Transforming the Future of Electric Distribution and Energy Consumption – Houston, Texas – \$200 million**

CenterPoint Energy will accelerate the completion of its current smart meter system by the end of 2012 and install the first phase of its grid hardening and automation called the Intelligent Grid “IG”. The project in Houston, Texas includes two distinct but interdependent parts, including accelerating and completing the installation of 2.2 million smart meters and associated equipment that make up CenterPoint Energy’s advanced metering system. These smart meters will enable residential and commercial customers to more effectively manage and control their electricity usage. The project will also install distribution grid automation equipment and technology, allowing CenterPoint Energy to operate the distribution grid more efficiently, improve system reliability, and create the capability for the grid to “self-heal.” Once completed, CenterPoint Energy's smart grid will serve as an example of an integrated, cyber-secure, scalable, and replicable smart grid. CenterPoint reported supporting nearly 300 jobs last quarter. CenterPoint estimates nearly 2,500 total direct and indirect jobs will be created as part of their smart grid project.

## **26. Highway Repairs Creating 500 Jobs– Cape May County, NJ -- \$70 million**

State Department of Transportation Commissioner Stephen Dilts said the \$251 million project, \$70 million of which is supported by Recovery Act funds, on the Route 52 causeway would bring 500 high-paying jobs to Cape May County over the next three years. ‘This \$251 million phase is an investment in southern New Jersey,’ Dilts said. George Harms Construction completed the first stage of construction six months early. About 40,000 motorists per day cross the causeway in the summer.



## **27. Rehabilitating the Atlantic Avenue Viaduct – Brooklyn, New York – \$77 million**

The massive rehabilitation of the 107-year-old Atlantic Avenue Viaduct will restore this much-traveled and critical stretch of railroad infrastructure to a state of good repair. This \$77 million project is one part of a larger \$400 million Recovery Act transit grant which has supported about 110 direct jobs per quarter in 2010. Rehabilitation includes replacing 86 steel spans as well as installing new employee walkways to improve safety. The Recovery Act funds are being used to make critical structural replacements along the 1.5 mile elevated structure which carries Long Island Railroad (LIRR) customers between Jamaica and Downtown Brooklyn. With more than 25,000 customers each week, and an additional 16,000 on the weekend, the route is a high-traffic segment along the LIRR.

### **28. Keeping Police Officers on the Streets – Toledo, Ohio – \$8.3 million**

The Department of Justice provided approximately \$8.3 million in grants to the Toledo Police force, saving jobs and increasing public safety in the area. The COPS grant funding was used to keep police officers in their job, helping the city re-hire 31 officers. In addition, a Justice Assistance Grant put 36 laid-off officers back on the street.

### **29. A Bridge to the Future – Baltimore, Maryland – \$21.9 million**

The eight-lane I-695 bridge is one of Maryland's top bridge-replacement priorities, and the Department of Transportation provided over \$20 million in Recovery Act funds to replace the bridge. The project broke ground in May 2010, and will create an estimated 200 jobs during the peak of construction. Built in 1961 and widened twice since then, the bridge carries an estimated 210,600 vehicles each day over Liberty Road. With no expected winter construction shutdowns, the new bridge will be completed in late summer 2012, and will accommodate the over 282,000 daily drivers estimated to use the route by 2030 (a 34 percent increase over current traffic).



### **30. Creating Jobs and Growth for Small Businesses – Sonoma, California – \$8.7 million**

Abide International, a small business construction firm based in California, had a significant increase in business through the Recovery Act. Abide received 6 Recovery Act contracts from the Department of Transportation and the Department of the Interior. Their requests range from housing improvements to roadway construction, including a \$4 million contract to repave six miles of Washington Road in California's Nevada County. Abide has hired nine new employees due in part to the Recovery Act funded work, and plans to hire additional employees this year.

### **31. American Batteries for America's New Electric Vehicles –Holland, Michigan – \$151 million**

Compact Power, Inc. received a grant of over \$150 million from the Department of Energy to build a battery cell manufacturing factory in Holland, Michigan. The factory will produce battery cells for the Chevy Volt, amongst other vehicles. According to Compact, approximately 70 construction jobs have been created or saved and they are on-track to hire 300 workers at the peak of construction. In addition, by 2013, Compact estimates 300 workers will be permanently employed at the facility.

### **32. Health Centers Serve More Rural Patients – Faison, North Carolina – \$2.5 million**

Goshen Medical Center (GMC) received Recovery Act funding to increase its health center staffing. As a result of ARRA funding, GMC has provided care to 468 new patients and maintained care for recently uninsured current patients in Duplin County, a rural, economically depressed area. Additionally, 12 new jobs have been created to support these activities. Also, GMC has conducted renovation and

construction on four sites, resulting in expanded physical space to serve patients and has created additional construction jobs. GMC has also implemented an electronic health record system that will be used at all delivery sites.

### **33. Charging Up America’s Clean Energy Industry at ECotality – Phoenix, Arizona – \$114 million**

ECotality in Phoenix, Arizona is helping bring the first electric-drive vehicles and charging stations to cities around the country. The company received a \$114 million dollar grant through the Recovery Act Transportation Electrification program. ECotality and its project partners are matching the federal investment dollar-for-dollar. The award is putting 8,500 electric-drive vehicles on the road, both Nissan Leafs and Chevy Volts, and more than 14,000 chargers in 16 cities around the country. ECotality reported supporting 50 jobs last quarter, and because of the Recovery Act, the company expects to hire 75 more workers. ECotality also estimates an additional 750 indirect jobs will be created over the course of the project.

### **34. Lead and Arsenic Cleanup – Evansville, Indiana – \$6.6 million**

The Recovery Act provided \$6.6 million to an ongoing lead and arsenic cleanup project covering more than 300 residential yards in the Jacobsville Neighborhood of Evansville, Indiana and creating over 25 jobs. Due to the Recovery Act funding, the proposed cleanup is now on an accelerated schedule. The site in this neighborhood is about 250 acres or 45 city blocks. Formerly used by several lead manufacturing companies, this site now houses both residential and commercial properties.

### **35. Solar Lab on Bean Federal Center - Indianapolis, IN - \$35.5 million**

The Emmet J. Bean Solar Lab is one of more than 50 Federal building rooftops across the country upon which GSA is installing solar arrays using Recovery Act funds. In addition to generating clean, renewable energy, GSA's Recovery Act projects are putting people to work in construction and emerging green industries. Indianapolis construction company Shiel Sexton has put more than 60 people to work with GSA’s Recovery Act funds to convert the roof of the Emmet J. Bean Federal Center into a proving ground for solar power technology. Workers are installing approximately 6,000 solar panels on the roof that will generate 1.8 megawatts of renewable energy. A portion of the panels will serve as a “Solar Lab,” where the performance of four different types of solar technology will be researched by GSA and the Department of Energy’s Sandia National Lab to determine which solar panels work best in the Midwestern climate.



### **36. Transforming Denver Union Station – Denver, Colorado – \$28 million**

Thanks in part to a \$28 million Recovery Act grant, the Denver Regional Transportation District and the

Denver Union Station Project Authority are redeveloping the Denver Union Station site as a multimodal transportation center that will accommodate significant additional passenger rail service (FasTracks) now under construction. The nearly half billion dollar project will transform Union Station into the hub of a seamless, interconnected transportation system which provides access to Amtrak, light rail, bus transit, parking and bicycle/pedestrian routes. When completed, the new station will reinvigorate downtown Denver and provide better access to housing, jobs, and commerce, and improve connections for business, education, recreation, tourism, and services. Recovery Act funding has already created more than 110 jobs on the project, which will be completed in 2014.

### **37. Financing Key Infrastructure Project to Seismically Retrofit the San Francisco-Oakland Bay Bridge – California – \$2.8 billion**

The Bay Area Toll Authority (BATA) issued Recovery Act Build America Bonds (BABs) to help finance the San Francisco-Oakland Bay Bridge Seismic Retrofit project. This innovative financing tool gave the Toll Authority access to capital at a time when the traditional tax-exempt market was severely impaired. By issuing BABs, BATA estimates that it saved \$351 million in present value terms over comparable tax-exempt debt. The savings have allowed the Authority to increase project capacity, improve infrastructure and create additional jobs. Currently, the Bay Bridge Project directly employs roughly 1,000 people on-site and another 500 in support roles.

### **38. Broadband Expansion to Rural Communities – Kansas – \$49.5 million**

With the \$51.6 million loan and a \$49.5 million grant provided by the Recovery Act, the Rural Telephone Service Co., Inc. will provide broadband service in an area of western Kansas that is 99.5 percent unserved or underserved, and covers 26 communities and rural areas spanning over 4,600 square miles. Such service will provide the infrastructure required for economic stability, education and healthcare. The company has hired eight of the projected 17 new employees and the three engineering firms and five contractors associated with the project have created a number of jobs.

### **39. Road Construction Jobs Now; Greater Economic Development to Follow – Ocala, Florida – \$3.2 million**

The Economic Development Administration granted approximately \$3.2 million through the Recovery Act for the construction of critical road, water, and wastewater line improvements to facilitate development of a new road segment of NW 44th Avenue in the city of Ocala, Florida. In the short term, the recipient estimates 24 construction jobs will be created, but in the long run these industrial tracts will serve the Ocala community for decades. According to recipient estimates, three companies will create a total of 77 new jobs and invest \$25 million in capital improvements within three years of the initial estimate and several industrial tracts will become more marketable for future development and employment growth.

### **40. Patriot Express Loans for a Family-Owned Company – Cumberland, Rhode Island – \$500,000**

Gorman Roofing, Inc. is a 30-year old family-owned and operated commercial roofing company. The company president, Raymond Gorman, is a service-disabled veteran. Today, Gorman Roofing has 43 employees who are experienced roofing mechanics. SBA introduced Mr. Gorman to Bank Rhode Island and the end result was that the company was able to obtain two SBA 90 percent-guaranteed Patriot Express loans totaling \$500,000. The company saved \$10,425 in guarantee fees but more importantly

the SBA assistance prevented the layoff of 25 employees. Loan proceeds were used to restructure existing debt and secure working capital to keep the company operating during the economic downturn. Mr. Gorman said that the SBA assistance saved his company.

#### **41. Energy Efficient Federal Center – Denver, Colorado – \$39.4 million**

A team of Colorado small businesses has put nearly 40 people to work so far installing 35 acres of solar panels on the roofs and grounds of the Denver Federal Center. The seven megawatt solar Recovery Act project will provide clean, renewable energy to help power the offices of the nearly 6,000 people who work on the campus, saving thousands of dollars in energy costs and preventing thousands of tons of greenhouse gases from entering the atmosphere every year. The Denver solar project is the largest single part of GSA's effort to add 12 megawatts of solar power generation capacity at federal buildings nationwide – increasing solar power capacity by nearly 600% while generating enough renewable electricity to power 1,600 homes -- the equivalent of removing 2,500 cars from the road.



#### **42. Illinois Wind Drives Economic Growth with Treasury's Help – Livingston County, Illinois – \$170 million**

The Streator Cayuga Ridge wind park in Livingston County, Illinois, received \$170 million through the 1603 grants-in-lieu-of-tax-credits program for renewable energy generation. This 150-turbine project will generate 300 megawatts of clean, renewable energy, enough to power the approximate equivalent of over 86,000 typical American homes. In addition, the project is creating jobs and helping to drive local growth. During construction, the wind park created over 300 jobs, while the increased tax revenue has allowed the local government to disburse economic development grants to local businesses. The project has also helped preserve jobs at component factories in Pennsylvania, Wisconsin and North Dakota. When completed in March 2010, it was the largest wind project in Illinois.

#### **43. A Solution to the "Mercer Mess" – Seattle, Washington – \$30 million**

The City of Seattle is using a \$30 million Recovery Act TIGER grant to solve the "Mercer Mess." The Mercer Corridor Redevelopment project will alleviate congestion around the "Mercer Mess," which has long been a major bottleneck hindering access to Seattle's fastest growing neighborhood, South Lake Union. The \$160.7 million project, supported by \$30 million in Recovery Act funds, will transform Mercer Street into a two-way boulevard that links South Lake Union and the Seattle Center to the rest of the Puget Sound region. The project also provides significant bicycle, pedestrian and freight improvements, including 30 blocks of sidewalks, and will relieve severe traffic congestion for the 80,000 vehicles that use it every day. The city of Seattle estimates 1,200 direct construction jobs will be created by the project, which broke ground in September 2010 and



will be completed in Summer 2012.

#### **44. Improving Safety and Saving Jobs in Atlanta – Atlanta, Georgia – \$3.4 million**

Under the Recovery Act Edward Byrne Memorial Grant Program, the City of Atlanta was able to address their near reality of having twenty-three officer positions frozen as a result of its deficit. The Byrne grants provided funds to ensure that the positions were kept, which keeps officers employed while making the city of Atlanta a safer place.

#### **45. Manufacturing Batteries to Power 60,000 vehicles – Midland, Michigan - \$161 million**



In June, Dow Kokam broke ground on a brand new advanced, large-format battery production facility in Midland, Michigan. According to Dow Kokam, they have already supported more than 100 construction jobs, a figure which is expected to rise to 1,000 at the peak of construction. Dow Kokam estimates that the 800,000 square-foot facility will permanently employ nearly 800 workers when complete, and will be able to produce enough affordable lithium-ion batteries to power 60,000 vehicles per year. Dow Kokam and its project partners are matching the grant dollar for dollar.

#### **46. New Instruments Aid Creation of Materials for Energy Efficiency – New Brunswick, New Jersey – \$2 million**

NSF has awarded Rutgers University approximately \$2 million to develop a new kind of scanning transmission electron microscope. Rutgers is collaborating with Nion, a small U.S. business, to develop an electron microscope that is optimized for investigation of materials that are important to energy related applications: more efficient batteries, conversion of light to electricity or to chemical reactions that produce hydrogen, and nanostructured materials that have new properties. The research has supported four jobs for technical personnel at Rutgers and Nion Co. Commercialization of this technology will lead to many important new nano-materials research applications, and produce valuable, high- technology jobs. It will also serve as a tool for educating the public about science and associated issues and help prepare the next generation of advanced materials scientists and engineers to make additional discoveries.

#### **47. Expansion to McCook’s Community Hospital – Nebraska – \$17 million**

The Community Hospital Association secured \$17 million in Recovery Act funding to expand McCook’s Community Hospital to better serve the community needs. This expansion has already created 50 jobs and is expected to create another 200 throughout the course of the construction. McCook’s Community Hospital is a Critical Access Hospital that provides acute inpatient and outpatient care, skilled nursing, emergency medicine, surgery, obstetrics and delivery, diagnostic facilities, pharmacy and





rehabilitation services to eight counties in two states with approximately 30,000 residents. These improvements to McCook's Community Hospital are intended to improve patient care and safety. The Hospital offers two rural health clinics, an outpatient services center, home health and hospice programs, visiting specialists, sleep study and orthopedic clinics. With this project expansion, the hospital has recruited an additional General Surgeon who will join the facility in the summer of 2011. The hospital is also actively recruiting an Orthopedic Surgeon at this time - currently all local orthopedic trauma patients have to be transferred or diverted, at least 70 miles, for treatment. An additional \$15 million Rural Development community facility guaranteed loan was financed through Thayer County Bank of Hebron, Nebraska.

#### **48. Extending Amtrak "Downeaster" Service – Brunswick, ME – \$35 million**

Thanks to a 30 mile service extension made possible by \$35 million Recovery Act grant, the Amtrak Downeaster passenger rail service which currently operates between Boston, MA and Portland, ME will soon add service to two new cities, Freeport and Brunswick, ME. The project will rehabilitate 30 miles of track, construct two new station platforms, upgrade and install new signals along the rail line, as well as improve the roadway-rail grade crossings. The expanded passenger rail service will increase rail ridership, improve connectivity to the region, encourage tourism, and support economic development initiatives in the region. The "Downeaster" extension project broke ground on August 2, and is expected to employ 174 workers during construction. The new line has also spurred private investment in the region, including a new hotel under construction next to the Brunswick station, estimated to provide 150 construction jobs and 30 permanent jobs when completed.

#### **49. Health Centers for the Underserved –Palmetto/Decatur, Georgia – \$8.2 million**

Palmetto Health Council (PHC) received funding to both increase and expand delivery of primary health care services and to make capital improvements. These efforts are occurring in an economically depressed rural region in central Georgia and 19 jobs have been created to support the activities. To date, creation and expansion of three delivery sites has resulted in 2,065 total new patients being served, of which 1,687 were uninsured. These efforts included dental facility expansion and creation of pharmacy services where none previously existed. In addition, a groundbreaking was held Aug. 31 to begin construction of a 21,300 square foot primary care facility in Palmetto, GA. A local construction company has been secured and will utilize locally supplied building materials and local labor. PHC plans to hire an additional three medical employees to serve 3,800 patients in this new facility.

#### **50. Training Young People for Energy Efficient Building – Bridgeport, Connecticut – \$606,850**

In Bridgeport, Connecticut, Youthbuild participants will have the opportunity to earn the Pre-Apprenticeship Certificate Training (PACT) of the Home Builder's Institute (HBI). Participants who earn a PACT certificate have the skills necessary to secure entry-level employment in their chosen trade (carpentry, electrical, plumbing, landscaping, masonry, and facilities maintenance). Completion of the YouthBuild program will qualify participants to enter an apprenticeship in the Carpenter's Union Local 210 as a second year apprentice. This project, in addition to training more than 50 participants, will create five new project staff positions (Project Manager, Union Liaison, Adult Basic Education Instructor, and two Instructors).

#### **51. Dynamic Energy Pricing Through Smart Meter Deployment – Chattanooga, Tennessee – \$111 million**

The Electric Power Board of Chattanooga is upgrading the current electric system with smart grid technology, which will enable more efficient energy use and better service for customers, including reducing the length of outages. The project will put a smart meter in all 170,000 households in the Tennessee network, in addition to completing fiber extension construction throughout the service area, automating sub-transmission and distribution systems, and enabling customer systems that will provide consumers additional information about their energy use. The Electric Power Board has supported more than 80 jobs with Recovery Act funds.

## **52. Providing Housing Options for Abused Women and Children – Larimer County, Colorado – \$500,000**

This Recovery Act grant partnership at Crossroads Safehouse has provided a bilingual, invigorated coordinated community response of job skill and educational services and life-saving transitional housing for families who have suffered from domestic violence. The funding expanded the program – the only domestic violence shelter in Larimer County – from 15 units to 25 units. Without this funding, many of the battered women and their children who turn to Crossroads in this largely rural county would have had little option but to become homeless or go back to their abusers. Recovery Act funding has been used to provide additional consulting and staff support at over 20 network institutions.

## **53. Improving How We Identify Children with Autism – Ann Arbor, Michigan – \$1.3 million**

The prevalence of autism spectrum disorder (ASD) is increasing at an alarming pace; the most recent reports estimate that an average of 1 in 110 children in the United States have an ASD. To address this serious public health challenge, the National Institutes of Health has awarded approximately \$65 million in Recovery Act funds for innovative research that will lead to better ways to identify, treat and even prevent the disabling symptoms of ASD and to help improve the quality of life for people with an ASD and their families. One exemplary study, led by Catherine Lord, Ph.D., of the University of Michigan, will improve methods for identifying children with an ASD. The goal of the project is to develop a screening interview that will be easier for health care professionals to use and can be administered in less time. As a result, a wider range of healthcare professionals could identify children much more quickly and at a significantly reduced cost to families. Ultimately, the hope would be that children with an ASD would be diagnosed at an earlier age, and therefore, would benefit from earlier interventions to improve their long-term outcomes.

## **54. A Fire Station that Increases Firefighter Safety and Enhances Service -- Navassa, NC – \$1.6 million**

The Navassa Volunteer Fire Department in Brunswick County, North Carolina, received a \$1.6 million grant in Recovery funds to replace its undersized 20-year-old prefab metal building with a larger fire station facility which meets all current codes and standards. The 23-member volunteer fire department provides emergency fire and medical services to a rural community of 1,870. The new station will improve everyday service delivery in addition to providing adequate and secure space for their existing apparatus and equipment; the addition of sleeping quarters; a decontamination area; an isolated area for the breathing air system and turnout gear; a vehicle exhaust removal system and fire alarm and suppression systems; and will also have enough room to serve as an emergency operations center and hurricane shelter during hurricanes. The construction on the facility will create an estimated 40 construction jobs for North Carolinians.

### **55. Healthy Homes and Lead Hazard Control – Malden, Massachusetts – \$3 million**

This Recovery Act project in Malden has protected children and families living in older homes from lead paint and other health and safety hazards. With Recovery Act funding, the Malden Redevelopment Authority was able to retain 5 public service employees who otherwise would have been laid off, added 2 new full-time Rehabilitation Specialist positions and provided additional job opportunities working on lead-based paint hazard control projects for 35 contractor, labor, and trades positions. Due to the increased volume of construction work, an additional 6 full-time labor positions have been added to the payrolls of local contractors.

### **56. Improvements to Inpatient Wards in Veterans' Facilities – Dublin, Georgia – \$2 million**

This Recovery Act project will provide for the renovation of approximately 8,184 square feet on the second floor of the Dublin VA Medical Center. The improvements will allow the function of the floor to change from an information technology administration space to an Inpatient Medical Ward. Upon project completion, thirteen beds of the present inpatient ward on 13B will be relocated across the corridor to 15B, a new thirteen bed inpatient ward.

### **57. Housing Construction for Seniors and the Disabled – Denver, Colorado – \$10 million**

The Housing Authority of the City and County of Denver (DHA) received a 2009 Recovery Act grant award of \$10 million for the construction of a \$21 million tower for the Senior & Disabled to be known as 1099 Osage. This 100-unit public housing/ Low Income Housing Tax Credit Transit Oriented Development ten-story building will utilize scarce, vacant in-fill land located adjacent to an existing light rail station, achieving a density of 108 units per acre. The building will maximize energy efficiency with a possible 50 percent reduction in energy consumption. A Photovoltaic system will offset 10 percent of electrical demand and a geothermal system will provide energy efficient heating and cooling. The building will be oriented to use passive solar/heating and cooling. The housing authority estimates that at least 50 construction/sub-contracting construction jobs will be created.

### **58. Critical Safety Rehabilitation to a St. Louis Bridge – St. Louis, Missouri – \$25 million**

A \$25 million Recovery Act grant will support the rehabilitation of the Historic Eads Bridge that spans the



Missouri River between Missouri and Illinois. With final engineering scheduled to be completed in the next few months and full construction beginning in spring 2011, this project is anticipated to create approximately 875 construction-related jobs over the expected two-year project life. The Eads Bridge is a combined roadway and light rail bridge that was originally constructed in 1874 and is listed as a National Historic Landmark. This project provides much needed safety rehabilitation to the bridge superstructure and piers, extending the life of the bridge for several decades and bringing the bridge back to a state of good repair. The bridge serves as the backbone of the MetroLink Light Rail System, and this

project would not be possible without Recovery Act funding.

### **59. Public Housing for Senior Citizens – Chicago, Illinois – \$18.3 million**

The Pomeroy, an 87-year old 9-story brick building on the north side of Chicago, was closed in June 2006 because the aging mechanical systems were failing and the cost of on-going repairs had become prohibitive. Recovery Act funding will enable the Chicago Housing Authority (CHA) to substantially rehabilitate the property and reconfigure the interior floor plans to create 104 new one-bedroom apartments for senior citizen public housing. The building will undergo a complete renovation including new mechanical, electrical and plumbing systems, new elevators, new kitchen and bathroom cabinets, fixtures, and appliances. The Pomeroy Apartments project is part of CHA's ambitious plan to facilitate transformational energy efficiency and "green" retrofits in order to substantively increase building efficiency and environmental performance of public housing properties and thereby reduce energy costs, generate resident and CHA energy savings, and reduce green house gas emissions attributable to energy consumption. The project will have a green (vegetated) roof which provides insulation for the building, reducing heat loss in winter and cooling costs in the summer. 73 workers will help with interior demolition, and 32 workers will help with various predevelopment activities.

### **60. Cleaning an Urban Tidal Estuary – New Bedford, Massachusetts – \$30 million**

The New Bedford Harbor Superfund site encompasses 18,000 acres of urban estuary stretching from the upper Acushnet River into Buzzards Bay. In 2009, EPA announced that \$25-35 million in new Recovery Act funding would be used to accelerate the hazardous waste clean-up already underway at the site. The swift allocation of Recovery Act funds has helped spur new jobs and economic opportunities in Massachusetts and is accelerating the pace of the harbor cleanup that was scheduled to take almost four decades. The Recovery Act funding could more than triple the amount of PCB-contaminated sediment removed compared to recent years. The progress anticipated this year will significantly expedite the timetable to return a clean harbor back to the community. More than 100,000 people, individuals and families, live in the area and will directly benefit from the project acceleration. This project has created more than 80 jobs.



### **61. Improvements to Wastewater Treatment Plant – Batesville, Arkansas – \$10 million**

The city of Batesville is using \$10 million of Recovery Act funds to replace the existing wastewater mains to their treatment facility with a 3,100 linear foot gravity sewer. The project will provide effective wastewater treatment and will save 62 percent of energy, or about 700,000 kW hours/year, over the minimum 40 year life of the tunnel. Meanwhile, the project has also created over 40 jobs. This two phase project which began in February 2010 continues on schedule.

### **62. Acceleration of Hazardous Waste Cleanup – Waukegan, Illinois – \$18.5 million**

More than \$18.5 million in Recovery Act funding is accelerating hazardous waste clean-up actions

already underway at the Outboard Marine Corp (OMC) site that may have otherwise taken a decade to complete. Funding also allowed for the demolition of an abandoned 625,000 square foot PCB-contaminated facility as well as removal of PCB-contaminated soil and sediment. The cleanup efforts have put more than 40 people to work, and will leave a 60-acre lakefront parcel pristine enough to be targeted for residential redevelopment.

### **63. Grand Canyon Park Upgrades – Arizona – \$13.7 million**

Grand Canyon National Park has received nearly \$14 million in Recovery funds to make a myriad of repairs to their park facilities. This includes \$550,000 to reconstruct the popular South Kaibab Trail. Reconstruction will include trail resurfacing; rebuilding steps; stabilizing and preventative maintenance treatments to retaining walls including replacing those that have been lost to floods, slides, or erosion; and repairing and aligning damaged water features. The reconstruction project will significantly improve conditions for the over 200,000 annual visitors that use the trail.



Also included in this funding are two other projects which is improving housing for the Havasupai tribe at Supai Camp, the tribe's ancestral home at the Grand Canyon. One project will improve housing and living conditions for tribal members by rehabilitating six communal buildings. This includes replacing roofing and windows, repainting, improving interior walls, and

installing fire sprinkler systems. In addition, the National Park Service will build six new housing units for use by the tribe. The Park Service has a long-standing legal agreement with the tribe for recognition and occupancy at Supai Camp, and upgrades to their housing were long overdue.

### **64. A Fire Station that Increases Responsiveness – Meridianville, Alabama – \$700,000**

The Meridianville Volunteer Fire Department in Madison County, Alabama, received a \$700,000 loan backed by Recovery funds to replace its small 20-year-old fire station with a larger and more centrally located facility. The 25-member volunteer fire department provides emergency fire and medical services to a rural community of 5,000. The new facility will provide adequate and secure storage for their existing fire trucks and equipment and provide a community room for first-responder training and public education services for community residents. The new location will have room for expansion as the community's need for emergency services increase.

### **66. Research to Avert Disaster: Understanding Earthquakes in the Pacific Northwest - Oregon, Washington, Northern California - \$10 million**

NSF awarded \$10 million to Columbia University, IRIS, Scripps Institution of Oceanography, UNAVCO, and Woods Hole Oceanographic Institution to improve earthquake monitoring and advance our under-

standing of earthquakes, volcanoes, and other geological processes operating in a geologically active region off the coasts of northern California, Oregon, and Washington. Research activities include upgrading GPS instruments on land, installing more on-shore earthquake monitoring instruments, and deployment and recovery of 60 ocean-bottom sensors for an integrated land and sea experiment to understand the threats posed in this important region.

#### **65. Electric Vehicles Made in the U.S.A – Kansas City, Missouri – \$32 million**

As part of the Recovery Act's commitment to helping American companies develop the best vehicle technologies in the world, Smith Electric in Kansas City, Missouri received a \$32 million grant to build and deploy up to 510 all-electric trucks. Smith is selling trucks to Coca Cola Enterprises, AT&T, FritoLay and Staples, plus utilities Pacific Gas & Electric and Kansas City Power & Light. Smith and its customers will test vehicle performance in California, Georgia, Maryland, Michigan, Missouri, New York, North Carolina, and Texas. According to Smith, they recently hired their 50th worker at the Kansas City facility, with plans to expand to 70 workers. At the project's peak, Smith estimates it will support more than 220 direct and indirect jobs.



#### **67. Fueling America's Exports: Lithium-Ion Battery Manufacturing – Indiana – \$118 million**

EnerDel makes advanced lithium-ion batteries for electric vehicles in Indiana. A \$118 million Recovery Act grant is helping the company expand production at its current facilities in Noblesville and Indianapolis –as well as build a new facility in Mt. Comfort. The grant has helped EnerDel support nearly 80 jobs through July 2010, and the company expects to grow from roughly 150 workers in the state today to over 1,400 by 2014. The company forecasts that exports will represent as much as 75 percent of near-term sales. EnerDel has signed a contract with Norwegian carmaker Think and will be shipping batteries produced in Indiana to Europe within the month.

#### **68. Smart Meters Aid Residents in Adjusting Energy Usage – Naperville, Illinois – \$11 million**

The City of Naperville, Illinois was awarded an \$11 million Smart Grid Investment Grant from the Department of Energy to deploy more than 57,000 smart meters and install the infrastructure and software necessary to support and integrate various smart grid functions and the two-way flow of information between the utility and its customers. The project will complete the automation of the city's electric grid, providing automatic, computerized meter readings in real-time, enabling streamlined customer billing and increased billing accuracy. The smart meters will provide residents and businesses more information about their energy use, allowing them to analyze and adjust their energy use patterns, save energy and manage their electric bills. The city estimates it will create over 70 jobs over the life of the project.

#### **69. Electric Vehicle Component Supplier Gets Boost from Recovery Act – Longmont, Colorado – \$45 million**

UQM Technologies, a developer of electric vehicle propulsion systems, is building a new electric vehicle propulsion plant that will be four times the size of their original facility. UQM used a portion of its \$45

million Recovery Act grant through the Department of Energy's Vehicle Technologies Program to pay for the \$7.5 million facility in Longmont, Colorado. When the new facility is fully operational, it is expected to produce 80 propulsion systems a day. UQM will also be using Recovery Act funding to advance research and production of electric and hybrid-electric vehicle propulsion systems. The company expects to add 230 jobs by next year, growing its workforce from 70 to 300. Recently underway, the project reported supporting 9 jobs last quarter.



### **70. Public Housing for Senior Citizens – Toledo, Ohio – \$3.4 million**

Toledo Community Development Corporation (TCDC), in partnership with PIRHL Developers, LLC (PIRHL), is developing Englewood Senior Housing, a newly constructed senior mid-rise community on Monroe Street in Toledo's central city neighborhood. Three unsightly, vacant commercial and residential structures, as well as a decaying parking lot, have been demolished to make room for a new 38 unit 3-story apartment building on an intimate 1.15-acre site off this main neighborhood thoroughfare. The development proposal is an overdue solution to project co-sponsor TCDC's long-held concerns about the increasing need for high-quality, safe senior housing for the central city neighborhoods. The project is expected to be completed and turned over for lease up by the end of October.

### **71. Construction and Rehabilitation on Ellis Island – New York/New Jersey – \$29 million**

During the summer of 2010, three major construction projects funded by the Recovery Act and totaling



\$29.1 million are underway at Ellis Island in New York Harbor. A \$20.9 million project will complete the stabilization of over 6,700 feet of seawall that surrounds and protects Ellis Island. Built in various phases from 1913 to 1934, recent surface and marine surveys verified that portions of the walls are seriously deteriorated. A \$1.5 million project will provide enhanced power and communications infrastructure for both Liberty and Ellis Islands. These enhancements will in turn enable

the installation of improved perimeter protection systems to help ensure that these globally significant cultural resources and the 3.7 million annual visitors are safe. A third project for \$6.7 million will begin in mid-June on the north side of Ellis Island to stabilize and remove hazardous materials from the 120,000 square foot Baggage and Dormitory Building built in 1908. The work will ensure the structure is stabilized from the elements and made safe enough for future exterior and interior rehabilitation and is estimated to create over 70 jobs.

### **72. Oregon Community Health Information Network, o-HITEC Regional Extension Center –**

## **Oregon – \$13.2 million**

Oregon Community Health Information Network, one of the nation's cutting edge health information technology and service organizations, has established the o-Health Information Technology Extension Center (o-HITEC) to improve use of electronic health records (EHR) by medical providers across the state. In Oregon, over 65 percent of providers already use an EHR system, and the Oregon Community Health Information Network currently supports an advanced level of health information exchange. O-HITEC will leverage this experience to help providers across the state supplement their current technology, implement new technology and focus on advanced tools to improve patient outcomes. Oregon will serve as a model of how advanced use of health information technology can be leveraged to reduce costs and improve patient satisfaction and clinical outcomes. This Recovery Act grant will employ Oregonians in highly skilled jobs to create a more effective and efficient health care system.

## **73. Bringing Broadband Access to More Americans – New York – \$39.7 million**

ION HoldCo, LLC was awarded \$39.7 million in Recovery Act Funds to implement a rural broadband infrastructure project. ION will build 10 new segments of fiber optic middle mile broadband infrastructure serving more than 70 rural communities in upstate New York and parts of Pennsylvania and Vermont. The project will enable wired and wireless last mile service providers to make broadband more readily available to 250,000 households and 38,000 businesses, and extend middle mile infrastructure to low-income rural areas with higher than average unemployment. This project will go a long way toward making American businesses more competitive, and connecting Americans to the opportunities and resources available with broadband.

## **74. Deploying Electric Vehicle Stations in Eight States – San Jose, California - \$15 million**

Coulomb Technologies is a California-based company that manufactures electric vehicle charging stations. Based in the Bay Area in Campbell, California, the company manufactures the charging stations at CTS in San José, California. Coulomb is launching ChargePoint America, a \$37 million investment in the deployment of electric vehicle charging stations. This nationwide program covers nine cities in six states and the District of Columbia and will install 4,600 stations in total.

## **75. Boat Manufacturer Expands Into Wind Energy – Holland, Michigan - \$ 1.9 million**



Tiara Yachts makes fiber composite structures for boats. Now the Holland, Michigan-based company is transforming part of its factory and using its 30 years of expertise in composites to establish a new company - Energetx Composites - that will produce commercial-sized wind turbine blades. The Recovery Act provided Energetx with a \$1.9 million 48C Advanced Energy Manufacturing Tax Credit as well as \$3.5 million through the Department of Energy's State Energy Program. The \$7 million project will retool portions of Tiara's existing plant to manufacture utility-scale wind turbine blades.

Energetx has already begun hiring more employees and training them for wind blade manufacturing.



The company currently has 23 employees but expects to grow and add more than 140 additional jobs by the summer of 2011.

#### **76. Dormitory Built for Service Members – Keesler Air Force Base, Mississippi – \$14.9 million**

The Department of Defense is using Recovery Act funds to build new housing facilities for single service members. A dormitory is being constructed at Keesler AFB, Mississippi that will contain approximately 144 room and two older existing dormitories will be demolished. As of June 30, 2010, 24 jobs had been reported as supported by Recovery Act funds, and construction continues.

#### **77. Creating Jobs, Saving Money, and Reducing Greenhouse Gas Emissions in Kansas – Johnson County, Kansas – \$18 million**

Local, state and federal officials broke ground May 18, 2009 at the largest green infrastructure project in the State of Kansas to be funded by Recovery Act – an \$18 million series of improvements to Johnson County’s Douglas L. Smith Middle Basin Treatment Plant. The Recovery Act is expected to lead to 270 jobs, result in almost \$600,000 in annual costs savings for utility rate payers and reduce annual greenhouse gas emissions by more than 9,700 metric tons. Improvements include construction of a new anaerobic digester, a fats, oils and grease station to more efficiently treat greases and oils from restaurants and industries, and a cogeneration system to produce virtually all of the plant’s annual operating energy from captured biogases. The project is expected to be completed by March 2011.

#### **78. Joint Forces Headquarters/Armed Forces Reserve Center – Raleigh, North Carolina – \$24.9 million**

The Department of Defense is using \$24.9 million of Recovery Act funds to construct a new 236,234 square foot Joint Forces Headquarters building to relieve space shortfalls for National Guard command sections. This facility will also consolidate the Army National Guard, the Air National Guard, the State Emergency Operations Center, the North Carolina Department of Transportation Emergency Operations Center, and the State Highway Patrol Command. In addition, 122 jobs have been supported through the construction of this new facility. The estimated completion date for this project is June 2011.

#### **79. Watershed and Flood Prevention Operations – San Jose, California – \$19 million**

The Lower Silver Creek Recovery Act project will support an estimated 400 jobs in San Jose, California. Flood control work has already been completed on the first stretch of the project, an area that extends from Lake Cunningham west to downtown San Jose. Through support of Recovery Act funding, the project will grow to include an additional two-and-a-half mile stretch of the creek. When complete, this project will protect from flooding nearly 16,000 people, as well as businesses, schools, major highways, bridges and other infrastructure used by 250,000 people. The project will also improve wetlands and wildlife habitat.



#### **80. Renovating Eighty-Year-Old Subway Stations – Philadelphia, Pennsylvania - \$25 million**

SEPTA is renovating two eighty-year-old subway stations, Girard and Spring Garden, using \$25 million in

Recovery Act funds – their largest Recovery Act project. Together, these projects represent the first modernization for the stations since original construction in the late 1920's. The work includes new elevators, stairs, cashier lines, and concrete restoration, and will also include lighting, signage and fire alarm systems. The two stations are the busiest stations on the Broad Street Subway, and combined, serve more than 10,000 riders each day. The revitalized stations will help fuel development on North Broad Street. More than 200 jobs are being created by the project, including nearly 100 in construction, and more than 100 support positions with contractors and suppliers.

### **81. Large-Scale Clean Up of Radiologically Contaminated Soil – Camden, New Jersey - \$28 million**

The Welsbach/General Gas Mantle Contamination site received Recovery Act funding during 2009 for both Remedial Design and Remedial Action activities, totaling \$28 million. Of the \$28 million, \$22 million was allotted to fund a remedial action at this site used to clean up the radiologically contaminated soils around the former General Gas Mantle facility in Camden. Nearly 20,000 cubic yards of contaminated soil have been excavated from the General Gas Mantle area as of June 2010, putting more than 50 people to work. Demolition of that facility occurred in July, with large-scale excavation beginning in August. The area also received \$6 million in Recovery Act funds to be used for remedial design activities associated with the remainder of construction work necessary at the overall Welsbach & General Gas Mantle site. These funds will be spent by December 2010.

### **82. Automotive Supplier Diversifies into Renewable Energy – Saginaw, Michigan - \$22 million**

Merrill Technologies Group will invest \$73 million in advanced manufacturing equipment to support the production of nacelles (housing for generating components) for Northern Power's new 2.2 megawatt utility-scale wind turbine in Saginaw, Michigan. The company received a \$22 million 48C Advanced Energy Manufacturing Tax Credit from the Recovery Act to expand production facilities. Merrill is also using \$3 million awarded through the U.S. Department of Energy's State Energy Program under the Recovery to purchase equipment for manufacturing commercial-sized wind turbine systems. According to Merrill, they have already been able to recall laid-off employees and hire some new employees – about 40 in total. The company estimates about 125 employees will need to be brought on when production ramps up in 2011.

### **83. Wind Project Allows Hawaii to Reduce Reliance on Imported Oil – Kahuku, Hawaii – \$117 million loan guarantee**

The Department of Energy has closed a \$117 million loan guarantee for First Wind's Kahuku Wind Power project in Hawaii. The project includes the development of an innovative 30 megawatt wind power plant that incorporates a 10 megawatt battery energy storage system that will modulate and smooth fluctuations in power output caused by changes in wind levels. The project will supply electricity to approximately 7,700 households per year and reduce Hawaii's reliance on imported oil. Having recently broken ground, it is estimated that the project will create over 200 jobs on the island of Oahu.

### **84. Enabling Customers to Manage their Energy Use – Las Vegas, Nevada – \$137.9 million**

The Department of Energy awarded a Smart Grid Investment Grant to NV Energy for a comprehensive smart grid project that will integrate multiple smart grid technologies, including 1.3 million smart meters, dynamic pricing, customer communications and in-home networks, grid monitoring, distribution automation, distributed renewables, and electric vehicles. This will help NV Energy manage its electric

system more efficiently and enable customers to more actively manage their energy use. Headquartered in Las Vegas, Nevada, NV Energy serves 2.4 million Nevadans -- as well as a state tourist population of approximately 40 million annually. Additionally, the company serves more than 46,000 electric customers in the Lake Tahoe-area of California. 15 Nevadans have been employed by this grant and NV Energy estimates that the project will create 400-500 temporary and 45 permanent jobs.

**85. Flywheel Project Will Improve the Stability and Reliability of New York Electric Grid – Stephentown, NY and Tyngsboro, Massachusetts – \$43 million loan guarantee**



The Department of Energy has finalized a \$43 million loan guarantee for Beacon Power Corporation's 20 megawatt innovative flywheel energy storage plant in Stephentown, New York. The plant will help improve the stability and

reliability of the state's electric grid and Beacon estimates it will create 20 construction jobs in New York and 40 permanent jobs in Massachusetts. Beacon Power is an energy storage company headquartered in Tyngsboro, Massachusetts. Having already broken ground on the project, Beacon estimates that a 20 megawatt flywheel-based frequency regulation plant will reduce carbon dioxide emissions up to 82 percent over its 20-year life compared to a coal, gas or pumped hydro plant. The flywheel plant also does not emit air pollutants such as nitrogen dioxide or sulfur dioxide.

**86. Repairing Passenger Rail Cars – Beech Grove, Indiana - \$32 million**

With \$32 million in Recovery Act funding, Amtrak is rehabilitating and returning to service 21 passenger cars and 15 diesel locomotives that have long been in storage due to damage and lack of funding for necessary repairs. Once returned to service, many of the cars and locomotives will be used to alleviate capacity constraints on heavily-traveled trains, while others may be made available for new State-supported Amtrak services. The cars and locomotives are being repaired at Amtrak's maintenance of equipment facility in Beech Grove, Indiana. Work is underway at the facility, and an estimated 108 new jobs were created at the facility because of the Recovery Act funds.



**87. Increasing Safety at Baltimore-Washington Thurgood Marshall International Airport (BWI) – Maryland - \$15 million**

At \$15 million, this grant is one of the largest grants awarded by the Federal Aviation Administration under Recovery Act funding. The Recovery Act grant is a portion of a larger \$36.7 million apron rehabilitation project. The rehabilitation of the 30-year-old, 66,000 square yard terminal apron will provide increased safety and more efficient movement of larger aircrafts and service vehicles. In addition, the project will improve power and IT communications and environmental controls to contain and recycle deicing fluids. The project currently supports about 50 workers on site each day, jobs that would have been lost without Recovery Act funding.

### **88. Cleaning Up Contaminated Soil – Cherokee County, Kansas- \$14.6 million**

The Recovery Act funding for the Cherokee County site will aid in the remediation of non-residential mining wastes. The work will address approximately 2.4 million cubic yards of wastes located on 400 acres. With these funds, EPA has been able to initiate and fund two years of a three year cleanup at the two Badger and Lawton subsites and provide the final two years of funding for an ongoing cleanup at the Baxter Springs and Treece subsites. Four Cherokee County subsites have benefited from the receipt of Recovery Act funds. Approximately 690,000 cubic yards of wastes have been remediated as of June 2010. With approximately 60 people working on the four subsites, the cleanups continue.

### **89. Affordable Housing Conversion – Kansas City, Missouri - \$3 million**

\$3 million in Recovery Act funds are being utilized to assist in the conversion of the old federal courthouse in downtown Kansas City, Missouri, into 176 units of affordable housing. The building is a major historic landmark downtown, and its renovation and re-use will be monumental. The overall project will create 68 construction jobs in addition to 4 non-construction jobs.

### **90. Keeping Air Travel Safer with Imaging Technologies – Bedford, Massachusetts - \$78 million**

Reveal Imaging Technologies, based in Bedford, Massachusetts has received almost \$80 million in awards to produce new explosive detection systems that are used in airports as security screening devices. This technology, which quickly scans checked through bags (as opposed to carry-on) and analyzes the contents for explosives, will be distributed nationwide to 87 airports, making air travel safer. With these funds, Reveal has supported over 200 jobs in the Supply Chain Management and Manufacturing Departments in both their own company, as well as their downstream suppliers, and is also able to support additional Customer Service employees as well.

### **91. Revitalizing a Cleveland Neighborhood with Improved Transportation - Cleveland, Ohio - \$4.4 million**

The City of Cleveland will leverage \$4.4 million of Recovery Act funds from the Department of Transportation to create a transit center connected to the “Euclid Corridor” in Cleveland. The Stephanie Tubbs Jones Transit Center—named in honor of former Congresswoman Stephanie Tubbs Jones—will be positioned at East 22nd and Prospect Street, right next to the campus of Cleveland State University. Groundbreaking took place on September 10, 2009 and the project is scheduled for completion in October 2010. The facility will include a staging area and 16 bus bays that are expected to serve more than 500 buses and thousands of customers daily. The new transportation services are intended to provide efficient transportation access to jobs in downtown Cleveland for residents in the Euclid neighborhood. The construction of the transit center is part of a \$32.7 million Recovery Act grant to the Greater Cleveland Regional Transit Authority. The transit center project has reported more than 200 construction jobs over the past 10 months.

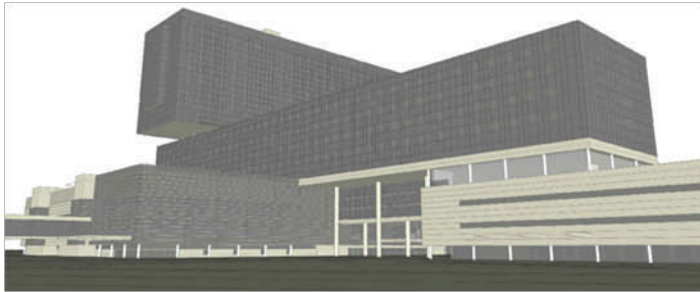
### **92. Leveraging Capital to Open a Factory – Genoa, Nebraska -- \$22 million**

Preferred Sands of Genoa, Nebraska received a \$22 million loan guaranteed by the USDA Rural Development Business and Industry Loan Program. The loan is leveraging \$10.1 million from Preferred Sands and \$7 million from a General Electric loan. The sand mined at the facility is used in the natural gas and oil industry to keep wells working efficiently. Preferred Sands bought the plant while it was

having financial difficulties, hoping to turn it around. Then, the oil and gas industry collapsed, making their job harder. Then, due to the recession, they were unable to find any financing to help them grow. They then found the USDA Rural Development Business and Industry Loan Program. USDA used Recovery Act funds to provide financing for Preferred Sands. In the few years since Preferred Sands bought the Genoa plant, production has increased by 30 times, going from 2,000 tons of sand per month to last month's production of 55,000 tons and 60,000 tons this month. The loan support will help the company preserve 50 jobs at Preferred Sands. An additional 50 new jobs for local residents are expected to be created in the next two years.

### **93. Saving Taxpayer Dollars while Constructing a New Hospital – Dallas, Texas - \$680 million**

The Dallas County Hospital District issued \$680 million in Build America Bonds to support the



construction of the new Parkland Hospital campus. Because of the lowered interest rate, using BABs saved taxpayers an estimated \$120 million over the course of the project. The new campus will have 862 beds, a 380,000 square-foot outpatient center, and costs \$1.27 billion in total. The new 1.9 million-square-foot Parkland hospital will replace the existing 55-year old facility, and

when complete, will be the largest public hospital building in the nation built in one phase.

### **94. New Facilities for High Concentrating Solar Panels – Las Vegas, Nevada and Phoenix, Arizona - \$9 million**

Amonix makes large high-concentrating solar panels the size of tractors. Their systems use less water, utilize land better, and produce more energy per acre than other solar technologies. The company is commercializing solar technologies first developed for space. Amonix is receiving more than \$9.5 million under the 48C Advanced Energy Manufacturing Tax Credit program. Amonix high-efficiency panels have the potential to achieve 30 percent system efficiency, compared to 20 percent or less for most of today's solar panels. Amonix has a small manufacturing facility at their headquarters in Seal Beach, California. The Recovery Act is supporting two new Amonix factories in Las Vegas, Nevada and Phoenix, Arizona. When completed in the first half of 2011, the Nevada facility is expected to create about 270 new jobs.

### **95. Downstream Impact: Transportation Upgrades Inspire Factory – Youngstown, Ohio – \$17 million**

DOT's commitment of \$17 million toward the transportation infrastructure in Youngstown, Ohio encouraged V&M Star, a steel manufacturer, to green-light a \$650 million expansion. V&M plans to invest \$650 million to build a new mill next to its existing plant in Youngstown, Ohio. The plant will be in the heart of the old steel corridor where a lot of people never thought they would see this kind of in-



vestment again. The new mill, totaling more than one million square feet of space, will initially produce 350,000 tons of steel tubing per year for the drilling of shale gas in the U.S. The investment could make the Youngstown-area even more attractive for the burgeoning shale-derived natural gas industry and spur the company and organizations to transform the old industrial area along U.S. Route 422 to a green industrial zone that will be a model for industrial developments. The project will create 400 construction jobs during the building phase and 350 manufacturing jobs thereafter. Construction will take around 18 months, with production slated to begin in the fourth quarter of 2011. The mill should be fully running by the end of 2012.

#### **96. Putting Law Enforcement to Work – Kansas - \$4.7 million**

The Kansas Highway Patrol used Recovery Act Assistance to Rural Law Enforcement to Combat Crime and Drugs funding to hire a class of 22 new recruit troopers that began basic training at the training academy on March 24, 2010. Recruit graduation was held on August 19, 2010 at the Kansas Highway Patrol Training Academy in Salina, KS. In addition, the Recovery Act funds the twenty-member Domestic Highway Enforcement Team (DHET). In December 2009, and less than a month into the Recovery Act DHET program, a trooper seized the single largest roadside seizure of ecstasy (270 lbs) in U.S. history. Information from the suspect resulted in an additional 26 lbs of ecstasy seized in Texas and 110 lbs of marijuana in Washington State. In January and February 2010, these teams were involved in drug/currency seizures resulting in 251 felony drug arrests; recorded 2200 public contacts; made 6 DUI arrests; and seized 2460 lbs of marijuana, 18 lbs of meth, 84.6 lbs of cocaine, \$1,232,950 in currency, and seven vehicles.

#### **97. Supplies from Indiana and Texas Support a Pennsylvania Project – Philadelphia, Pennsylvania - \$20 million**

The Recovery Act is funding \$20 million of a \$24 million transportation project that will be replacing four deficient bridges, and removing one, in the Philadelphia area. Eighty-nine construction jobs were created in the Gustine Lake Interchange Project, and supplies were ordered from all over the country. In addition to over \$1.4 million in concrete beams, concrete, and reinforced steel being ordered from various Pennsylvania suppliers, Interstate Structures in Jeffersonville, Indiana filled an order for half a million dollars worth of fabricated steel sign structures; and Star Pipe Products in Houston, Texas made \$650,000 on an order for ductile iron pipes and valves.

#### **98. Upgrades to an Old Wharf Create Jobs Today and Global Commerce Tomorrow – Albany, New York - \$5 million**

Updating the nation's infrastructure is a key purpose of the Recovery Act, and the dollars devoted to these improvements not only create jobs today, but create a more competitive country for tomorrow. Sixty construction jobs are supported and made possible by this project, funded entirely by the Recovery Act, to upgrade the old wharf at the Port of Albany. Once the project is complete, 50 permanent, new, private-sector jobs will be created, handling the new business that the upgrades will generate. The port itself already supporting



more than 4,500 jobs across the state, from operators and maintenance people, to railroad and trucking workers and merchandise vendors. Once the project is done, the port will be able to handle “heavy-lift” cargo that’s important for increasing the long term business the port can support. For instance, the port will be able to handle the huge windmill parts coming from a GE plant in Schenectady, New York. While the construction workers are put to work immediately, the finished product will be a key link in the entire economy of the region.

### **99. An Iconic Market Gets Much Needed Renovations – Seattle, Washington - \$40 million**

After years of planning, public meetings, assessing the needs of Pike Place Market's aging buildings, and receiving a decisive voice of support by Seattle voters in 2008, the Pike Place Market Renovation project



began in April 2009. The project includes three phases, one of which was officially completed with the opening of the recently renovated Market Hillclimb on the Market’s August 17th anniversary. Phase I was financed with the help of a non-Recovery Act New Market Tax Credit (NMTTC) and Phase II is being funded with the help of both Recovery Act and non-Recovery Act NMTTCs. Phase I of construction created 50 new jobs, 30 direct construction jobs and 20 new market jobs – and Recovery Act funding for Phase II will not only help keep those construction workers on

the job, but also help the 250 small businesses at the Market continue to stay open during construction, protecting the jobs of the 2,500 people the Market employs. This is just one example of how Recovery Act tax credits are creating jobs and building public/private partnerships to finance improvements to aging infrastructure and spur new economic development.

### **100. Restoring a Critical Dam to Provide Water in Eastern Oklahoma – Adair County, Oklahoma - \$4 million**

Earth Buildings, Inc. of Decatur, Texas won the contract to restore the Sallisaw Creek dam, located in Adair County in eastern Oklahoma. The Sallisaw Creek dam is one of the largest flood control structures in the region and is currently in dangerous condition, due to aging. Flooding is acutely dangerous in this area, due to the close proximity of residences to the creek, and the sloped and narrow nature of the watershed. With Recovery Act support, the dam will be brought up to current safety standards. Once restored, the dam will protect homes, agricultural land, and public works from flooding and prevent dam failure. The area protected by the project is characterized by high poverty rates and includes a significant Cherokee Tribal population. The project also protects Interstate 40, a major economic catalyst for the region. The project reservoir behind the dam will provide water for 20,000 people, including the community of Stilwell, Oklahoma.