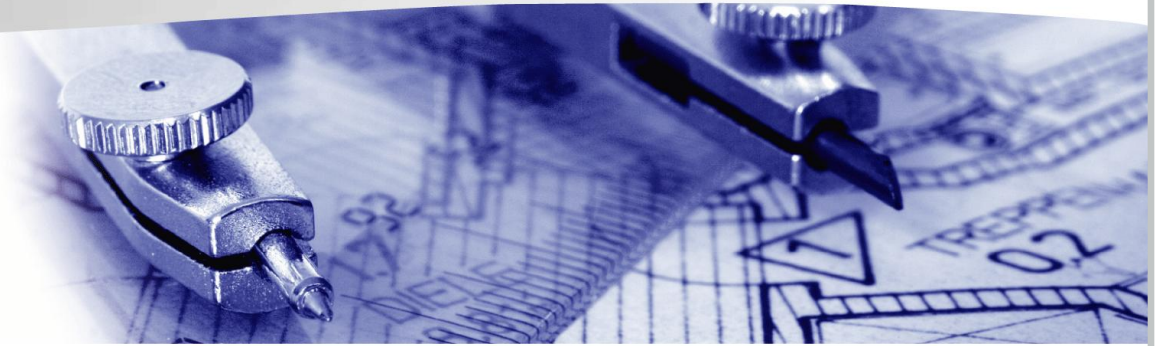




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Economic Architecture Practice:
Growing Economies

***The American Recovery and
Reinvestment Act***

April 7, 2009



Overview of the American Recovery and Reinvestment Act (ARRA)

- The ARRA provides \$787 billion over the next 10 years
- Most of the spending will occur over the next two years
- The ARRA includes
 - \$48 billion for job training and education
 - \$100 billion for transportation and infrastructure
 - \$20 billion in tax incentives for renewable energy
 - \$41 billion for energy-related projects



What is the purpose of the ARRA?

- The ARRA was created to achieve five overall purposes
 1. To preserve and create jobs and promote economic recovery
 2. To provide investments needed to increase economic efficiency by spurring technological advances in science and health
 3. To stabilize state and local government budgets
 4. To help those most impacted by the recession
 5. To invest in transportation, environmental protection and other infrastructure that will provide long-term economic benefits



How will ARRA funds be disbursed?

- ARRA funds will be disbursed in five ways
 1. By formula
 2. By competition through requests for proposals
 3. By demand from eligible individuals and entities
 4. By one-time disbursement, usually to individuals
 5. Through agency operating and spending plans



Transparency

- The two best resources to see what is going on:
 - <http://www.recovery.gov/>
 - Has links to all agency information and ability to sign up for alerts
 - <http://www.recovery.ct.gov>
 - Can sign up for alerts



Register Your Organization

- In order to register, your organization must have a DUNS Number provided by Dun and Bradstreet and a tax identification number.
- If you do not have a DUNS number, one can be received within 24 hours through the following website,
<http://fedgov.dnb.com/webform/displayHomePage.do;jsessionid=97DB7CD28ECB9D466ECE22DA1474A8CB>.
- After receiving a DUNS number, you must register with the Central Contract Registry (CCR) at <http://www.ccr.gov> by supplying some statistical information about your organization. Once CCR registration is approved, you can create a username and password with Operational Research Consultants (OCR), Grants.gov's credential service provider. A username and password can be created at <http://apply07.grants.gov/apply/OrcRegister>.
- You can now enter and open an account at www.grants.gov using the username and password received from OCR.



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Increasing your chances

- Think innovatively about how to achieve your goals
- Use strategic partnerships whenever you can
- Think regionally
- Consider the competition when applying for funding
- Federal grants are national in scope. How can the benefits of your project be replicated elsewhere?



Energy Efficiency and Renewable Energy

Program	Funding	Uses	Notes
U.S. Department of Energy	\$16.8 billion in competitive grants to private sector, state and local governments, national labs and universities	Investments in state run programs and direct applied research	<ul style="list-style-type: none">•Weatherization - \$5.0B•State Energy Program - \$3.1B•Advanced Batteries Manufacturing \$2.0B•Energy Efficiency & Renewable Energy - \$6.7B
For more information see: US Department of Energy www.energy.gov			



Energy Efficiency and Sustainability

Program	Funding	Uses	Notes
Energy Efficiency and Conservation Block Grants Department of Energy	\$3.2 Billion Formula grants to local governments, states and Indian tribes. Local governments may provide subgrants to nongovernmental organizations, up to the greater of 20% of funds or \$250,000	Developing and implementing an energy efficiency and conservation strategy Conducting residential and commercial building energy audits Grants to non-profits and government organizations to perform energy efficiency retrofits Other	Each state is defining the approach for deploying these funds.

For more information see: Energy Efficiency and Renewable Energy: Program Area: Energy Efficiency and Conservation Block Grants: http://apps1.eere.energy.gov/wip/block_grants.cfm



Energy Efficiency and Sustainability

Program	Funding	Uses	Notes
<p>State Energy Program</p> <p>Department of Energy</p>	<p>\$3.1 Billion</p> <p>Formula grants to states.</p> <p>States must prioritize grants toward funding energy efficiency and renewable energy programs</p>	<p>States may use funds for a wide range of activities and programs that promote energy efficiency, including residential, commercial and government building energy-efficiency retrofits.</p>	<p>Funds cannot be used to purchase real estate, for building construction, research or demonstration of non-commercially available technology, transit subsidies, utility rate demonstrations or state tax credits for energy conservation.</p>
<p>For more information see: Energy Efficiency and Renewable Energy: Program Area: State Energy Program http://apps1.eere.energy.gov/wip/sep.cfm</p>			



Energy Efficiency and Sustainability

Program	Funding	Uses	Notes
<p>Smart Grid Investment Program, including Worker Training</p> <p>Department of Energy</p>	<p>\$4.5 Billion, including \$100 million for worker training for Smart Grid projects</p> <p>Includes a regional demonstration initiative and a matching grant program for Smart Grid investments</p>	<p>Research and development and pilot projects to meet the goal of a modern electric grid, enhance security and reliability of energy infrastructure and facilitate recovery from disruptions to the energy supply</p>	<p>Smart Grid is focused on operating the nation's electricity distribution system using advanced digital technology to save energy and cost</p>

For more information see: Department of Energy: Office of Electric Delivery and Energy Reliability: <http://www.doe.energy.gov/smartgrid.htm>



Industrial carbon capture and energy efficiency improvement projects

Program	Funding	Uses	Notes
Department of Energy	\$1.52 billion in competitive grants	Grants will be made to make current carbon capture technology more cost efficient at such a large scale	Guidelines are currently not available.

For more information see: US Department of Energy www.energy.gov



Biomass Program

Program	Funding	Uses	Notes
U.S. Department of Energy Energy Efficiency and Renewable Energy	\$800 million in competitive grants	For research, development and demonstration for converting biomass resources to biofuels	
For more information see: US Department of Energy www.energy.gov Energy Efficiency and Renewable Energy Program www.eere.energy.gov			



Geothermal Technologies Program

Program	Funding	Uses	Notes
U.S. Department of Energy Energy Efficiency and Renewable Energy	\$400 million to be dedicated for geothermal activities and projects in competitive grants	Research, development and demonstration efforts that emphasize the advancement of enhanced geothermal systems	
For more information see: US Department of Energy www.energy.gov Energy Efficiency and Renewable Energy Program www.eere.energy.gov			



Alternative Fueled Vehicle Pilot Grant Program

Program	Funding	Uses	Notes
U.S. Department of Energy Energy Efficiency and Renewable Energy	\$300 million is available in competitive grants to state governments, local governments, metropolitan transportation authorities, air pollution control districts and private or nonprofit entities	Funds will be used for the acquisition of alternative fueled vehicles, fuel cell vehicles or hybrid vehicles, including buses for public transportation and ground support at public airports.	The installation or acquisition of infrastructure necessary to directly support an alternative fueled vehicle, fuel cell vehicle, or hybrid vehicle project funded by the grant also eligible.

For more information see: US Department of Energy www.energy.gov
Energy Efficiency and Renewable Energy Program www.eere.energy.gov



Fossil Energy Research and Development Program

Program	Funding	Uses	Notes
U.S. Department of Energy Office of Fossil Energy	\$3.4 billion in competitive grants and contracts	Research and Development programs include pollution control innovations for traditional power plants and creation of a portfolio of technologies that can capture and permanently store greenhouse gases.	Pollution control innovations include mercury reduction, improved gasification technologies, advanced combustion systems, development of stationary power fuel cells, improved turbines for future coal based combined cycle plants

For more information see: www.fossil.energy.gov
 Energy Efficiency and Renewable Energy Program www.eere.energy.gov



Physics Research Science Program

Program	Funding	Uses	Notes
U.S. Department of Energy Office of Science	\$1.6 billion available in competitive grants for universities, companies and national laboratories	Grants will be primarily awarded for research in high-energy physics, nuclear physics and fusion energy sciences	\$277 million for Energy Frontier research and \$90 million for other core research \$400 million to be defined

For more information see: US Department of Energy www.energy.gov



Innovative Technology Loan

Program	Funding	Uses	Notes
Department of Energy	\$6 billion in loan guarantees to eligible applicants	Loan guarantees for renewable technologies and transmission technologies	DOE to guarantee loans that support early commercial use of advanced technologies, if "there is reasonable prospect of repayment of the principal and interest on the obligation by the borrower." Loan guarantees will be another tool that DOE will use to promote commercial use of innovative technologies. This tool is targeted at early commercial use only, not energy research, development, and demonstration programs.

For more information see: US Department of Energy <http://www.lgprogram.energy.gov/features.html>



Energy Efficiency and Sustainability

Program	Funding	Uses	Notes
<p>Neighborhood Stabilization Program Grants</p> <p>Housing and Urban Development</p>	<p>\$2 Billion</p> <p>Competitive grants to states, local government and non-profits</p> <p>HUD must establish criteria for grants within 75 days</p> <p>Applications due within 150 days</p>	<p>To assist state and local governments to acquire and redevelop foreclosed properties that might otherwise become sources of abandonment and blight.</p>	<p>Green building and energy efficiency can be incorporated into all rehabilitation and redevelopment projects. Green redevelopment and rehabilitation projects can be linked to workforce development initiatives.</p>

For more information see: Department of Housing and Urban Development:
<http://www.hud.gov/offices/cpd/communitydevelopment/programs/neighborhoodspg/>



Economic Development Assistance

Program	Funding	Uses	Notes
Department of Commerce Economic Development Administration	\$150 million	Funds for economically distressed areas to generate private sector jobs.	Priority consideration will be given to those areas that have experienced sudden and severe economic dislocation and job loss due to corporate restructuring.

For more information see: Department of Commerce www.commerce.gov
Economic Development Administration www.eda.gov

See this link for the notice of funding availability:
<http://www.eda.gov/PDF/FY09%20ARRA%20FFO%20-%20FINAL.pdf>



Broadband Technology Opportunities Program

Program	Funding	Uses	Notes
<p>Broadband Technology Opportunities Program</p> <p>National Telecommunications and Information Administration (NTIA) is administering</p>	<p>\$4.7 Billion</p>	<p>\$250 million will be available for innovative programs that encourage sustainable adoption of broadband services; at least \$200 million will be available to upgrade technology and capacity at public computing centers, including community colleges and public libraries. Up to \$350 million of the BTOP funding is designated for the development and maintenance of statewide broadband inventory maps.</p>	<p>The NTIA just concluded regional hearings to guide the development of guidelines.</p> <p>Each state will designate an implementing entity.</p>
<p>For more information: http://www.ntia.doc.gov/broadbandgrants/</p>			



Rural Community Facilities

Program	Funding	Uses	Notes
U.S. Department of Agriculture State Rural Development Office	\$130 million available through competitive grants Available to public entities, non-profit corporations and tribal governments for up to 75% of costs.	Funds to support grants and loans to rural areas for critical community facilities, such as for healthcare, education, fire and rescue, day care, community centers, and libraries.	Grants are to assist in the development of essential community facilities in rural areas and towns of up to 20,000 in population. Preference is given to small communities with low populations and low incomes.

For more information see: U.S. Department of Agriculture www.usda.gov
 State Rural Development Office www.rurdev.usda.gov



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Education and Training

Program	Funding	Uses	Notes
Green Jobs: Energy Efficiency and Renewable Energy Worker Training Department of Labor	\$500 Million Competitive grants. Eligible applicants are not specified but likely include nonprofits and state and local government agencies Funds available now through June 30, 2010	Research, labor exchange and job training projects that prepare workers for careers in energy efficiency and renewable energy industries including: <ul style="list-style-type: none">•Building energy efficiency•Renewable energy industry•Energy efficient drive train industry•Biofuels industry•Deconstruction and materials reuse industry•Energy efficient assessment industry•Manufacturers that produce sustainable products	This program requires grant seekers to comply with the Green Jobs Act of 2007 as it relates to eligible industries and target group priorities.

For more information see: US Department of Labor: Education and Training Administration:
<http://www.dol.gov/recovery/implement.htm>



Education and Training

Program	Funding	Uses	Notes
Workforce Investment Act (WIA) – Adult Program Department of Labor	\$500 Million Formula grants to states. States must allocate 85% of funds to Workforce Investment Boards (WIBs.) Funds available now through June 30, 2010	The purpose of these funds are to improve the quality of the workforce and provide workforce investment activities that increase the employment, retention and earnings of participants through employment and training assistance.	WIBs may use recovery funds to contract directly with IHEs to facilitate the training of multiple people in high demand occupations.

For more information see: Department of Labor: <http://www.dol.gov/>,
 Education and Training Administration: <http://www.dol.gov/recovery/implement.htm>



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ARRA Panelists

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