



Putting Federal Stimulus Dollars to Work

Appropriations-related Incentives

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AGENDA

- ARRA Components
- DOE Programs & Funding Status
- Hydropower's Share
- Significance of the ARRA Surge to Hydropower
- Helpful Links

American Recovery and Reinvestment Act

“Putting Americans to work, building a clean energy economy, accelerating energy innovation, and reducing our dependence on oil”

*Matt Rogers, Senior Advisor to the Secretary of Energy,
March 4, 2010*

The Recovery Act Came in Three Pieces

- Tax Cuts
- Emergency Relief
- **Investments in the
infrastructure and technology**

Infrastructure and Technology/ DOE's Part

1. *Work w/Treasury to support \$5 billion in clean energy manufacturing tax credits and generation tax grants*
2. **\$36.7 billion in appropriations to DOE (and \$6.5 billion in PMA borrowing authority)**

How \$36.7 billion was spent

1. Office of Science/Office of Environmental projects - *\$6.8 billion obligated out of \$7.5 billion*
2. Grants to States, counties, cities, territories and tribes- *\$10.6 billion obligated out of \$11.2 billion*

How \$36.7 billion was spent (cont.)

3. Loans and Borrowing Authority

4. Support to Treasury in allocating \$2.3 billion in renewable energy manufacturing tax credits

5. Competitive Grants - \$8 billion obligated out of \$14 billion*

Select ARRA-Funded Results

As of 3/4/2010

- Working w/**3,500** Award recipients
- Awarding **\$31.4B** in DOE-funded **contract and grant funds**
 - Obligated **\$25.7** bill in funds awarded
 - Supported Treas in awarding **\$4.9 billion** in tax credits and payments in lieu of tax credits)
- Paying out **\$2.5 billion** to recipients of **DOE's Appropriated ARRA funds**
 - w/Treas providing an added **\$2.6B in Sec 1603** payments in –lieu of tax credits
 - **\$25B** matching private funds

Factors Affecting Projects

- Davis-Bacon requirements
- NEPA
- NHPA
- Buy American Provisions
- Newness of Programs
- Staff Capacity
- State, Local, Tribal Issues

What's it all mean for Hydropower and Related Activities?



ARRA Breakdown

→ **Infrastructure and Electricity Delivery - \$36.7B**

→ **DOE's Part**

Ofc of Science/Envir Mgt - \$7.5B

DOE Competitive Grants - \$14B

Taxes/Grants - \$2.3B

States/Counties/Tribes - \$11.2 B

→ **EE/RE Programs at DOE**

→ **Hydropower Programs**

EE/RE Programs

ARRA Law 2/18/2009

- **16.8B** for DOE's EE/RE Programs
- **\$4.5B** for DOE Electricity Delivery & Energy Reliability Programs, incl energy storage
- **\$6B** for Renewable Loan Guarantees
- **\$4.6B** for Corps of Engineers, additional \$2 billion for construction, including upgrades to hydro projects



EE/RE Funding Announcement *June 2009*

\$32 million in ARRA Funding to:

“modernize the existing hydropower infrastructure, increase efficiency and reduce environment impacts”

Hydro Compared to Other Renewables

- \$800 million for the [Biomass Program](#)
- \$400 million for the [Geothermal Technologies Program](#)
- \$115 million for the [Solar Technologies Program](#)
- \$93 million for [Wind energy projects](#)
- \$32 million for [Modernizing existing U.S. hydropower infrastructure](#)

Hydropower Programs \$30.6 million to 7 Hydro Projects *11/4/2009*

- Alcoa, Inc - \$13 million
- Alabama Power Company - \$6 million
- City of Tacoma - \$4.67 million
- City of Boulder, CO - \$1.18
- Energy Northwest - \$800,000
- Incorporated County of Los Alamos - \$4.56
- North Little Rock Electric Dept - \$450,000

Along the way, DOE uses annual appropriations to...

- Select national laboratory-led projects to develop Advanced Water Power Technologies- \$11 million

8/27/2009

And

- Award up to \$14.6 million to support Advanced Water Power Technologies *9/15/2009*

Back to ARRA- Funded Activities

DOE listed FOA to fund up to **\$15.36M** for “Marine and Hydrokinetic Kinetic Technology Readiness Advancement Initiative” (4/20/2010)

*Go to FedConnect.com, Ref # DE-FOA-0000293
Applications Due: 6/7/2001*

Sec. Chu announced \$200 Million for Solar & Water Power Technologies *4/22/2010*

Marine and Hydrokinetic Technologies (MHK) - *up to \$39 million over four years*

DOE will accelerate the technological advancement and commercial readiness of emerging water power technologies that harness the energy of waves, currents, tides, and free-flowing rivers, or energy stored in ocean thermal gradients. .

Applications are due June 7, 2010.

Significance of ARRA Funding to Hydropower Funding

- Industry's work over last 5 years in tax and appropriations areas provided the framework to add ARRA funds to hydro activities
- Stronger relationship w/DOE
- Shows Fed that hydro is ramped-up and ready to go!

“There’s no one solution to the energy crisis, but hydropower is clearly part of the solution and represents a major opportunity to create more clean energy jobs,”

U.S. Secretary of Energy Stephen Chu when he announced \$32 million initiative to expand hydropower using ARRA funds, June 30, 2010

Helpful Links

To view DOE's Wind and Hydropower program funding opportunities:

<http://www1.eere.energy.gov/windandhydro/financial.html>

To view all funding opportunities:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

To view incentives for energy efficiency and renewable energy projects for the home, business, industry, utilities, and government:

<http://www1.eere.energy.gov/financing/index.html>

To view DOE awards for small businesses for renewable energy research and development projects:

[Small Business Innovation Research and Small Business Technology Transfer Web site](#) to apply for grants.



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