



Remarks to GridWeek

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Our Purpose: Putting More People Back to Work And More Money in the Pockets of those Who Are Working

American Jobs Act

Address to Joint Session of Congress



Fueling Innovation & Entrepreneurship

- #1: Boosting Access to Capital for High Growth Companies
- #2: Turning Job Seekers to Job Creators
- #3: Unleashing Mobile Broadband Revolution
- #4: Modernizing 35,000+ Schools, NextGen Air Traffic System
- #5: Making Government Services Transparent to Job Creators

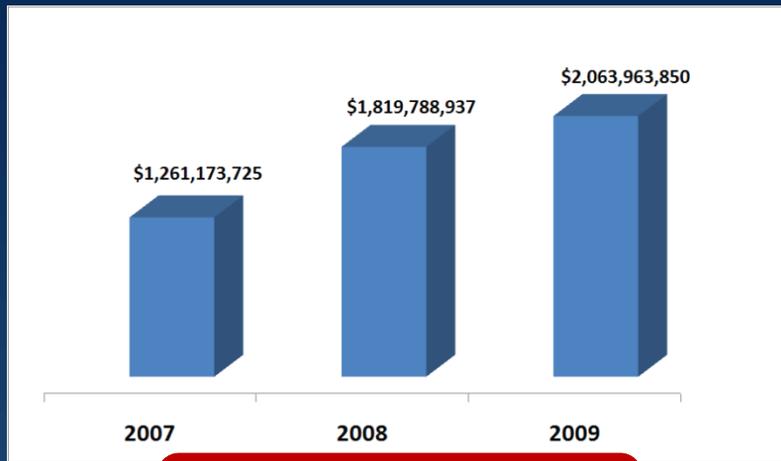
“This task, of making America more competitive for the long haul, is a job for all of us.... All of us will have to up our game.” –President Obama, 09/08/11



“Make Locally and Sell Globally”

Clean Energy Exports a Contributor to Jobs

Renewable Energy Export Initiative



**Welcome, Indian
Smart Grid Delegation**

Powering Green Energy Exports
Federal Resources for U.S. Firms in the Renewable Energy and Energy Efficiency (RE&EE) Sectors

Growth Firms Winning the Future



Lighting Science Group partners with Dixon on \$15 60 watt-equivalent LED bulb for Indian market; prototyping a “smart blub”

Tendril partners with Australia’s Origin Energy on consumer engagement



Enable Cost-Effective Investments

Early Insights from ARRA to Help Scale What Works

The screenshot shows the SMARTGRID.GOV website. At the top, there are navigation tabs: "What is the Smart Grid?", "Recovery Act Smart Grid Programs", "Federal Smart Grid Initiatives", and "Smart Grid Information Clearinghouse". Below the tabs is the SMARTGRID.GOV logo and a search bar. A red callout box on the left contains a collage of images related to smart grids and a text box that reads: "Example: NETL Wind Integration tests three 'apps' – data portal to match generation to load; synchrophasors for reliability; TX community 'test bed'". A green callout box on the right contains the text: "Importance of inventorying 'active ingredients' of success". The website content includes sections for "What is the Smart Grid?", "Recovery Act Smart Grid Programs", "Federal Smart Grid Initiatives", and "Smart Grid Information Clearinghouse".

What is the Smart Grid? | Recovery Act Smart Grid Programs | Federal Smart Grid Initiatives | Smart Grid Information Clearinghouse

SMARTGRID.GOV

Home | About | Glossary | News | Contact

SmartGrid.gov is the gateway to information on federal initiatives that support the development of technologies, policies and projects transforming the electric power industry.

Example: NETL Wind Integration tests three "apps" – data portal to match generation to load; synchrophasors for reliability; TX community "test bed"

What is the Smart Grid?
Information for Consumers

Recovery Act Smart Grid Programs
Program Progress and Results

Federal Smart Grid Initiatives
Policies and P

Smart Grid Information Clearinghouse

Importance of inventorying "active ingredients" of success



Unlock the Potential of Innovation

ARPA-E Investments, NIST Standards Activities Spur Creativity

Advanced Electronics

Grid Modernization



	Frequency	Mass	Volume
Today	60 Hz	8,160 lb	4.80m³
Tomorrow	50 kHz	100 lb	0.14m³

Early-stage firm, GeneSiC, leads the way in designing a miniaturized grid transformer

NIST Standards Collaboration

Governance: 600+ private sector participants endorse, develop consensus standards; example: PAP10 "Energy Use"



Secure the Grid

Obama Cybersecurity Proposal Emphasizes Critical Infrastructure

The White House Blog

Subscribe

The Administration Unveils its Cybersecurity Legislative Proposal

Posted by Howard A. Schmidt on May 12, 2011 at 02:00 PM EDT

Today I am happy to announce that the Administration has transmitted its Cybersecurity Legislative Proposal to Capitol Hill in response to Congress' call for assistance on how best to protect our Nation. This is a milestone in our national effort to ensure secure and resilient networks for our citizens, businesses, and government; fundamentally, this proposal strikes a balance between protecting our country with the capacity to innovate and providing a robust framework to protect our critical infrastructure.

Enables voluntary technical assistance and information sharing with DHS to address threats, with robust privacy oversight

Smart Grid approach emphasizes transparency to help market forces ensure that critical-infrastructure operators are accountable for their cybersecurity

When President Obama signed the Cyberspace Policy Review (pdf) almost two years ago, he declared cyberspace as vital to the United States and its security just as vital. This legislative proposal is the latest step in the progress we are making in securing cyberspace and completes another key recommendation from the Cyberspace Policy Review.

Additional Note on Privacy: Administration calls for "online privacy bill of rights" emphasizing enforceable codes of conduct

The Administration proposal helps safeguard your personal data and privacy. If your information has been compromised. In addition to educating you on how to protect your information through the Think. Connect. campaign, we believe organizations should inform you if your information may have been compromised. This notice not only helps you to protect your information but also incentivizes organizations to have better data security in the fragmented patchwork of 47 state notification laws. Our proposal simplifies and streamlines these laws.



Empower Consumers and Enable Better Decisions

Data.gov Model for “Computer-Friendly” Access, Importance of Privacy

Energy.Data.gov

Welcome to Energy.Data.gov

where data and insight are combined to facilitate public discussion and awareness of our Nation's energy activities. Whether you are interested in alternative fuels, managing buildings to be more energy efficient, or trying to manage energy in your own home, we have something for you. Look at the data, use the apps, join the conversation.

Special Features

America's Home Energy Education Challenge

NSTA National Science Teachers Association

U.S. DEPARTMENT OF ENERGY

VIEW MORE

Home Data/Tools Apps Challenges Resources Blogs Forums

Data.gov > All Communities

Welcome

Energy Data Features

Challenges

“To the extent practicable ...publish information online in an open format (machine readable) without restrictions that would impede..re-use...”*

Empowerment Case Studies

Report Option

Report Type: Daily Usage (15 min intervals)

Start Date: 10/01/2009 End Date: 10/30/2009

Daily Usage (each 15 minutes) - Kilowatt Hours for 10/01/2009

Use of Electricity Each 15 Minutes

Start Time	End Time	Usage (kWh)
12:00 am	12:15 am	66.23KWH
12:15 am	12:30 am	20.3KWH
12:30 am	12:45 am	77.92KWH
12:45 am	01:00 am	43.37KWH
01:00 am	01:15 am	97.7KWH
01:15 am	01:30 am	42.9KWH
01:30 am	01:45 am	16.9KWH
01:45 am	02:00 am	16.9KWH
02:00 am	02:15 am	16.9KWH
02:15 am	02:30 am	16.9KWH

Dashboard

Updated on: March 3, 2010 12:46:31 PM MST

Electricity Consuming Plan

Program: QA Energy Pricing Plan

Current price per kWh: \$0.68

Estimated bill: \$239.91

Today's cost: \$3.56

Yesterday's cost: \$7.45

Last hour usage: 3.60 kWh

ARRA grants to Reliant, CenterPoint, NSTAR, others enhance open access to usage data



“Click a Simple Blue Button and Download” Data President’s Open Government Agenda Defaults to Transparency

“Blue Button” in Brief

Scaling What Works

The screenshot shows the VA health.mil website interface. On the left, there's a navigation menu with a 'Blue Button' icon. The main content area displays a user's personal health information, including authentication status, facility ID, and demographic details like name, gender, and date of birth. A portrait of a man in a suit is overlaid on the right side of the screenshot.

The screenshot shows the Blue Button website. At the top, there's a navigation bar with 'About', 'How To', 'Commit', and 'Advocate' links. The main content area features a large blue button with a download icon and the text 'a simple concept with transformative potential'. Below this, there's a quote from Anesh Chopra, White House Chief Technology Officer, and a 'commit now' button. A green callout box is overlaid on the bottom right of the screenshot.

President challenges VA to deliver simple health download from PHR on 08/10; delivered 10/10 and has >400,000 users to date

Aetna, United, Walgreens, PatientsLikeMe and dozens of others pledge to offer service to millions of Americans



A Challenge – Design a “Green Button”

Open Collaboration Principles Can Empower Consumers, Quickly

A Challenge to Industry: How can we safely and securely provide customers electronic access to their energy information, thereby supporting the continuing development of innovative new products and services in the energy sector?

Key Principles

- Use SGIP standards
- Open, Collaborative
- Multi-Stakeholder
- “Lean Startup”
- Easy-to-use



“There’s Never Been a Better Time to Innovate”

EA Sports Accesses NASA Imagery to Boost Choices in SSX



Data Sets Released Publicly

 **21**
Tools

 **512**
Geodata Catalogs

 **3**
Raw Catalogs

 **17**
Earth Science
Data Directories

 **11**
Space Science
Data Directories

 **3**
Data For Educators
Data Directories

 **3**
Desktop Data Tools

 **2**
NASA HR
Data Directories

