



Building a Future for Technological Innovation

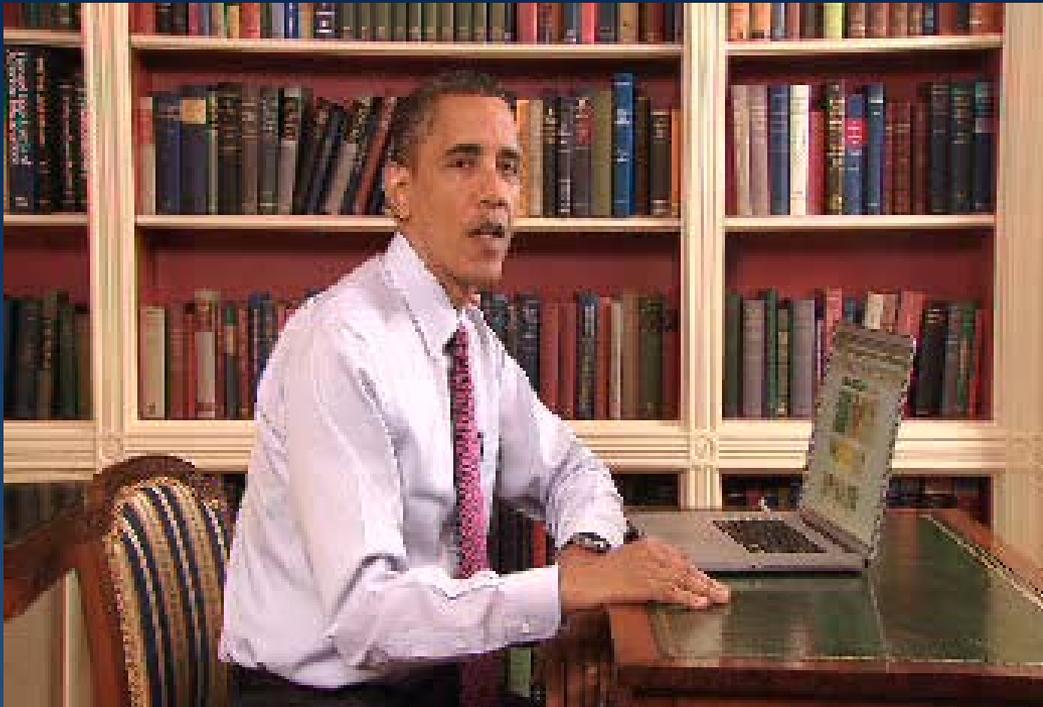
August 17th, 2010

Aneesh Chopra

U.S. Chief Technology Officer & Associate Director for Technology
White House Office of Science & Technology Policy

A Presidential Commitment to Technology

Healthcare.gov a Model for Simplifying Access to Information

A screenshot of the Healthcare.gov website. The page features a search bar, navigation links for 'Find Insurance Options' and 'Learn About Prevention', and a section titled '7 Options for You'. A green callout box is overlaid on the right side of the page, containing text about the version 2.0 launch. Below the callout, a table lists insurance plans with columns for Plan, Services Covered & Excluded, Provider Network, Drug Coverage, More Information, and Price Estimates.

Health care is getting better. So is HealthCare.gov. Help us improve by adding your comments where you see

HealthCare.gov
Take health care into your own hands

Newsroom | Implementation Center

Home | Email Update | Font Size

Find Insurance Options | Learn About Prevention

Find Insurance Options
See which public, private and community

7 Options for You
Enter Your Info > Your Options

Based on the info you provided, Change Options

1. Coverage for Young Adults Under Age 26
[Click here for 5 quick tips for picking a plan (101).]

2. Special Enrollment in Spouse's Job-based Health Plan
[Not sure how to decide? Read 5 Important tips for Picking Plans]

3. COBRA Coverage

4. Health Insurance Plans for Individuals & Families

Individual Health Anthem Health
[Click here for 5 quick tips for picking a plan (101).]

Not sure how to decide? Read 5 Important tips for Picking Plans

Plan	Services Covered & Excluded	Provider Network	Drug Coverage	More Information	Price Estimates
Virginia Advantage	View Plan Benefits	Correct Link Not Provided	No Link Provided	1-800-304-0372 Visit Website	Price estimates available Oct. 2010 (TOOD: details_link)
Individual Basic BlueCare	View Plan	Correct Link Not	No Link	1-800-304-0372	Price estimates available Oct. 2010 (TOOD: details_link)

“My Administration is committed to creating an unprecedented level of openness in Government...and establish a system of transparency, public participation, and collaboration.”

—President Barack Obama, Jan 21st, 2009



A Focus on Strengthening Global Competitiveness

Harnessing Technology, Data, Innovation for Growth, Empowerment

Innovation Trend

Rank	Country	Change Score (1999-2009)
1	China	19.5
2	Singapore	19.0
3	Lithuania	14.9
4	Estonia	14.7
5	Denmark	14.6
6	Luxembourg	14.5
7	Slovenia	16.7
▶ 40	U.S.	2.7

2010 UN Index rankings jumped from fourth (in 2008) to second

E-Government

Rank	Country	Percent Change (2005-2008)
1	China	21%
2	Spain	20%
3	France	16%
4	Russia	15%
5	EU-10	14%
6	S. Korea	13%
7	Japan	12%
▶ 22	U.S.	-7%

American Graduation Initiative calls for return to #1 by 2020

Higher Education

Rank	Country	Percent Change (1999-2005)
1	Poland	117%
2	S. Korea	46%
3	Ireland	41%
4	Australia	31%
5	UK	30%
6	EU-25	27%
7	France	26%
▶ 15	U.S.	3%



President's Strategy for American Innovation

Tech Role in Innovation for Sustainable Growth and Quality Jobs

Open Government Initiative focused on empowering everyday Americans

Catalyze Breakthroughs for National Priorities

- Unleash a clean energy revolution
- Support advanced vehicle technology
- Drive breakthroughs in health IT
- Address scientific "grand challenges"

Smart Grid and Health IT Apps innovation efforts underway

Promote Competitive Markets that Spur Productive Entrepreneurship

- Promote American exports
- Support open capital markets that allocate resources to the most promising ideas
- Encourage high-growth and innovation-based entrepreneurship
- Improve public sector innovation and support community innovation

Cloud Computing and Mobility as platforms for growth

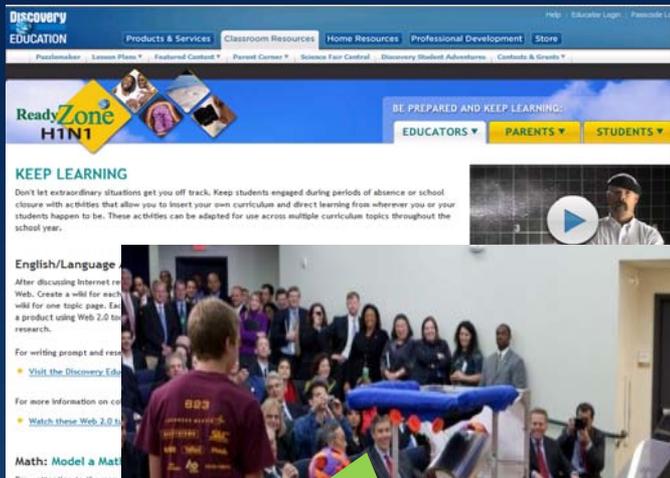
Invest in the Building Blocks of American Innovation

- Restore American leadership in fundamental research
- Educate the next generation with 21st century knowledge and skills; create a world-class workforce
- Build a leading physical infrastructure
- Develop an advanced information technology ecosystem



“From Compliance to Innovation”

Delivering Platforms for Educational Innovation Every 90 Days



STEM education a critical priority across portfolio

Visit 49 highest-rated finalists; consider, by September 8th, to offer help on match

“To meet the President’s goals -- to reach the finish line -- we need transformational change. The islands of excellence that now exist in school districts have to become the norm...In a word, America’s schools need innovation.”
- Secretary Arne Duncan, Aug 20, 2009

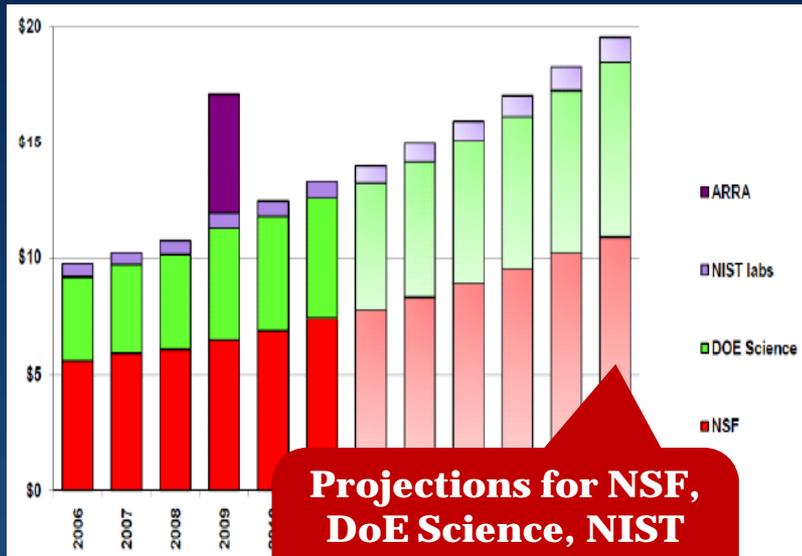


Investments in R&D Spur Jobs of the Future

PITAC Inaugural Meeting on Innovations in the “Golden Triangle”

“Doubling” R&D Commitment

PITAC Public Hearing



Projections for NSF, DoE Science, NIST labs as noted in FY11 budget

President's Council of Advisors on Science and Technology
Executive Office of the President

Golden Triangle Workshop

President's Council of Advisors on Science and Technology (PITAC)
President's Innovation Advisory Committee (PIAC)
Golden Triangle Workshop

Tuesday, June 22, 2010
10:00am - 2:30pm

[CLICK HERE TO VIEW THE AGENDA](#)

SUBMIT A PUBLIC COMMENT

Email Facebook

“What are the critical infrastructures that only government can help provide that are needed to enable creation of new bio, nano, and IT products and innovations that will lead to new jobs and greater GDP?”

“...support R&D in advanced manufacturing to strengthen U.S. leadership in the areas of robotics, cyber-physical systems, and flexible manufacturing.”

—OMB-OSTP FY 12 Budget Memo, 7/21/10



Unleashing a Mobile Broadband Revolution

Presidential Commitment to (Nearly) Double Available Spectrum

Spectrum Initiative in Brief

- #1: Identify and plan for the release of 500 MHz of spectrum
- #2: Provide new tools and new incentives to free up spectrum
- #3: Redeploy the spectrum to high-value uses
- #4: Use the auction proceeds to promote public safety and job-creating infrastructure investment

Commerce Dept report due by 10/10 on timetable for freeing up spectrum for exclusive or shared use; CTO focus on advanced sharing technologies



She's one smart mom
She's got **text4baby**

Text BABY to 511411
Get **FREE** messages on your cell phone to help you through your pregnancy and your baby's first year

4baby
baby.org

Innovations: Text4baby partnership serves 60,000+ moms since 02/10 launch

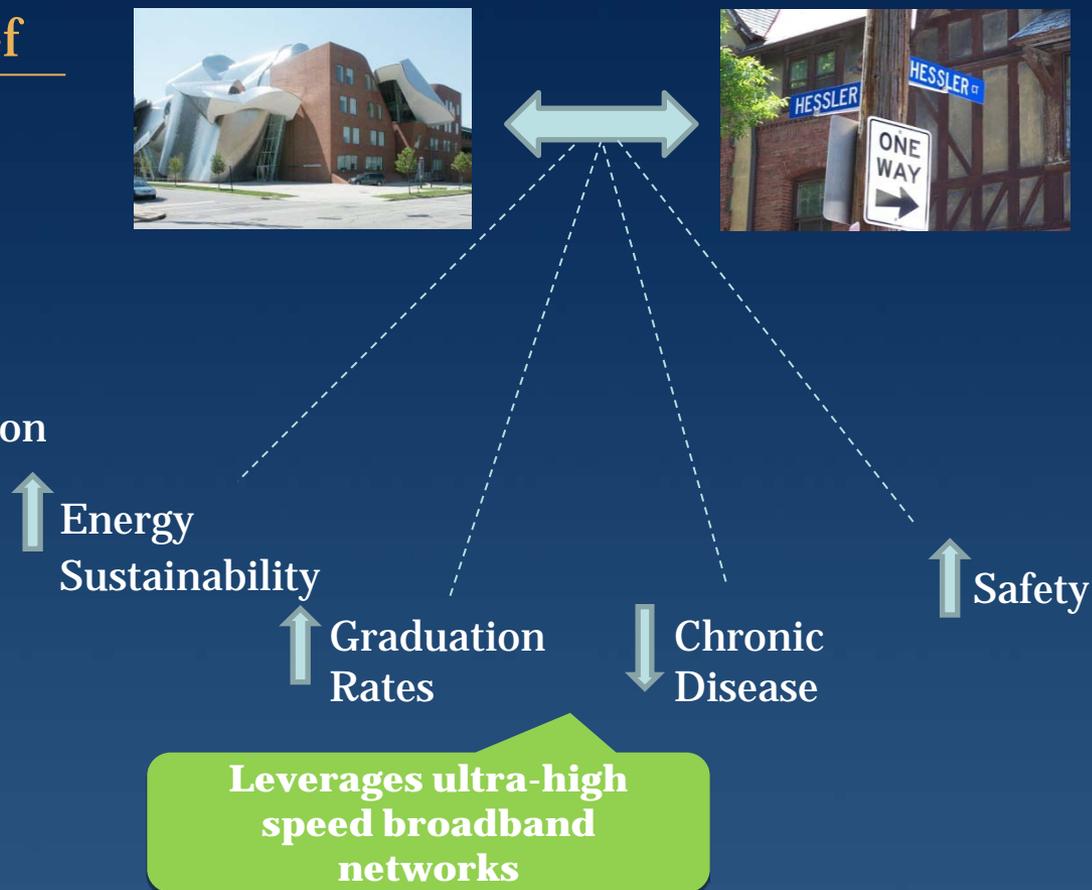


“Beta Block” R&D Initiative to Connect Neighbors

Internally Funded Effort to Deliver 1 Gbs to Poorest Homes

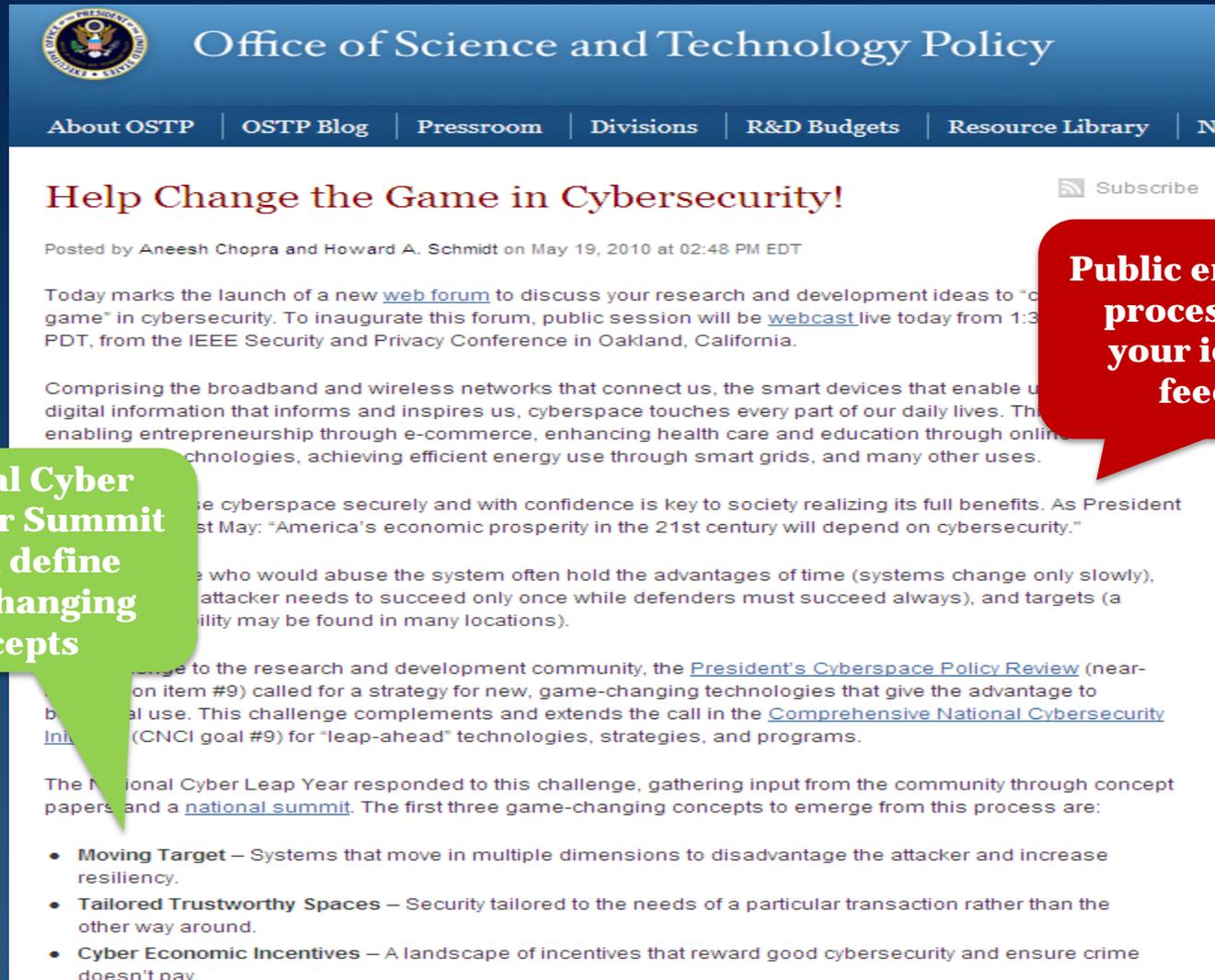
Case Western Project in Brief

- Launched in November 2009
- Case Western Reserve University collaborative includes 40+ partners, 100+ household gigabit network
- R&D effort, with private sector stakeholder support, to spur innovation in poor communities “next door”
- Program metrics and goals set to measure changes related to:
 - Neighborhood Safety
 - Health and Wellness
 - STEM Education
 - Energy Sustainability



In Pursuit of “Game Changers” in Cybersecurity

Public Input Key to Moving “Leap-Ahead” Technologies Forward



The screenshot shows a blog post from the Office of Science and Technology Policy (OSTP). The header includes the OSTP logo and navigation links: About OSTP, OSTP Blog, Pressroom, Divisions, R&D Budgets, Resource Library, and NS. The main heading is "Help Change the Game in Cybersecurity!" with a "Subscribe" button. The post is dated May 19, 2010, and is by Aneesh Chopra and Howard A. Schmidt. The text discusses a new web forum for cybersecurity research and development, a public session at the IEEE Security and Privacy Conference, and the importance of cybersecurity for the 21st century. It mentions the President's Cyberspace Policy Review and the National Cyber Leap Year summit. A list of three game-changing concepts is provided: Moving Target, Tailored Trustworthy Spaces, and Cyber Economic Incentives.

Public engagement process invited your ideas and feedback

National Cyber Leap Year Summit helped define game-changing concepts

From R&D to Public Sector Innovation

Cloud + Mobility an Opportunity for Economic Growth, Efficiency



\$15+M in NSF research awards supporting cloud partnerships with Google, Microsoft, Yahoo, IBM, HP, Intel

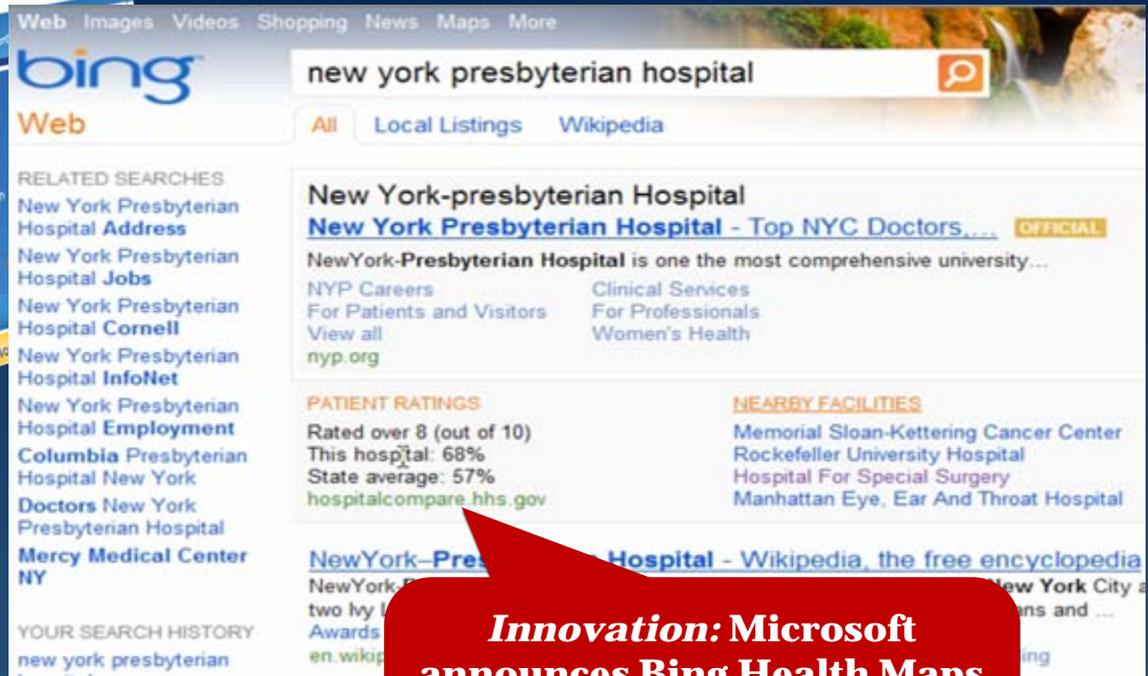
Innovations: Dramatically lower storage costs; bandwidth; and processing power enable game-changing apps

The screenshot shows the GSA Apps.gov website interface. At the top, there is a navigation menu with links for Home, Business Apps, Productivity Apps, Cloud IT Services, and Social Media Apps. A search bar is located on the right side. Below the navigation, there are several promotional banners. One banner titled "Coming soon to Apps.gov" features an image of a globe and several laptops, with text describing upcoming cloud services. Another banner titled "What is Cloud Computing?" includes a video player and a "Watch the video now" button. At the bottom, there are two more banners: "Business Apps" and "Cloud IT Services", each with a brief description and a "GSA Cloud [Service] has the answer!" slogan.



Anatomy of an Open Government Ecosystem

HHS Launches Community Health Data Initiative (CHDI)



HHS launches CHDI June 2nd - demonstrating 20+ apps recently built or improved by innovators across the country using data HHS has made public (with much more to come)

Innovation: Microsoft announces Bing Health Maps and the incorporation of "Hospital Compare" data in search results



Helping Our Children Make Healthier Choices

Prizes Policy Spurs USDA to Reward Apps Developers

APPS FOR HEALTHY KIDS

FAQ | Login | Register FOLLOW US ON twitter

LET'S MOVE! USDA

Home Application Gallery Submit Application Resources Partners

Let's Move! for the **Apps for Healthy Kids** competition.

\$60,000 in prizes to create innovative, fun and engaging software tools and games that encourage children directly or through their parents to make more nutritious food choices and be more physically active.

CHALLENGE SUPPORTERS
40,059

31,683 ADULTS 8,376 KIDS

I support this tool!

Why Click?

Promote this challenge: Twitter Facebook MySpace

Recent Supporters:

95 qualified apps built on data that feeds USDA site – judges include Zynga's CEO, "Woz", GE's Healthmagination lead



Sample App: Smash Your Food™ lets children see foods explode - while learning how much sugar, salt and oil are in them

“The Apps for Healthy Kids competition challenges... the most creative, talented, and kid-savvy innovators across the country to build games that inspire and empower kids to get active and eat healthy.” —First Lady Michelle Obama, March 11th, 2010

“All Hands” - Health 2.0 Developer Challenge



A growing number of “challenges” leading up to Health IT Innovation Week – October 3-10th, 2010

Featured Challenges



WWHI catalyzes innovation - \$10K for a personalized wireless health ecosystem; sponsors “Innovation Day” – highlighting Veterans Healthcare (VAi2) – 10/12/10

Accelerating Wireless Health Adoption

Challenger: West Wireless Health Institute
Create an application that will integrate sensor-derived data with social networks to construct a personalized wireless health ecosystem.

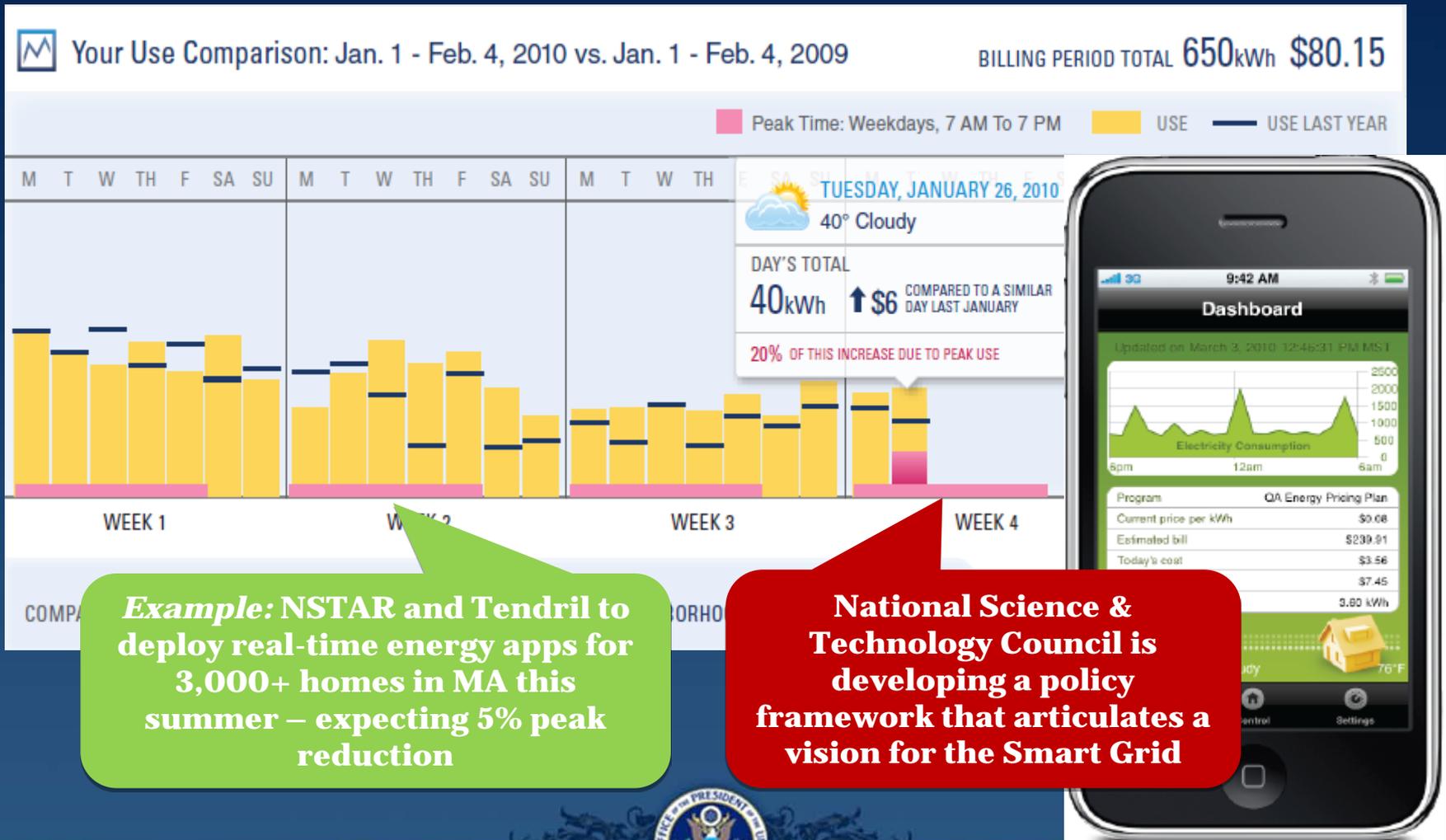
Blue Button Challenge

Challenger: Markle Foundation and RWJF
Develop a web-based tool that uses sample data from CMS or VA to help patients stay healthy and manage their care.



The Smart Grid Opportunity

Recovery Act Leveraged to Support 100 Projects Valued at \$10+BN



A Commitment to Drive Innovation in Health IT

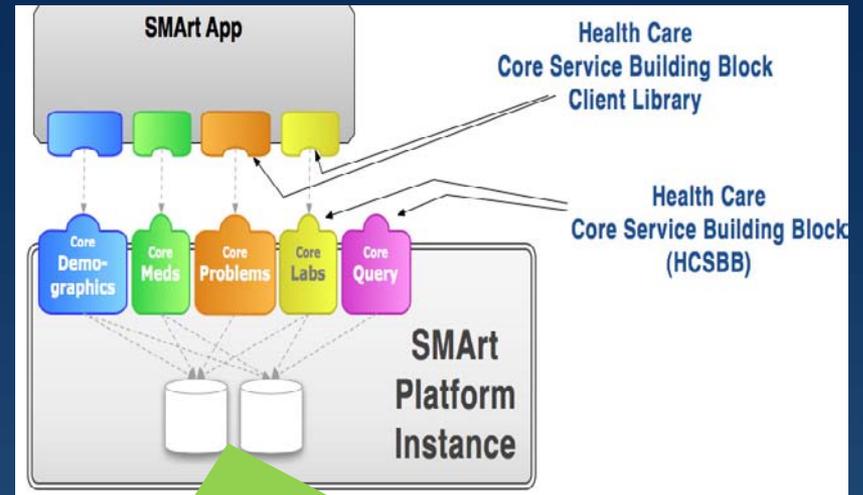
Open Collaborations to Catalyze Breakthroughs in Apps, Exchange

NHIN Direct Project in Brief



“A set of policies, standards and services that enable the Internet to be used for secure and meaningful exchange of health information to improve health and health care” – Tech Specs by June, Implementations by October, 2010

SHARP Grantee - SMARt Apps



Harvard researchers focused on health platforms (like Indivo) to support substitutable apps – prototypes by 2011; aligned with “modular” certification for “meaningful use”



Putting it Altogether: Entrepreneurs are Welcome

Bob, Dave, Andrew Embody Spirit of (Near) Frictionless Participation



APPS FOR INNOVATION DEVELOPER CONTEST

The contest asked developers to build apps that demonstrate one of two categories: how innovation and entrepreneurship are impacting the U.S. economy or apps that help consumers advance policy goals that support innovation. The contest was open to apps for any type of device or any Web platform.

Jump to
Select an App

GOVPULSE
WINNER

INNOVATION MOVEMENT NETWORK

ONLINE TOWNHALLS
3rd PLACE

Team (in spare time) wins competition (Jan, '10) by building more accessible Federal Register after posted on data.gov

FEDERAL REGISTER

THE DAILY JOURNAL OF THE UNITED STATES GOVERNMENT

Monday, June 28th

Current Issue 100 Notices 9 Proposed Rules 12 Rules 1 Significant

MONETARY ENVIRONMENT WORLD SCIENCE & TECHNOLOGY BUSINESS & INDUSTRY HEALTH & PUBLIC WELFARE

The People's Republic Review of Antidumping
A Notice by International Trade Administration

32 NEW ARTICLES TODAY

COMMENTS REQUESTED

Critical Habitat for the Polar Bear
We, the U.S. Fish and Wildlife Service, announce the reopening of the public comment period on the proposed designation of critical habitat for the polar bear (*Ursus maritimus*) under the Endangered Species Act of 1973.

Procedure
Small Business Size Standards: Wolverine of the Nonmanufacturer's Rule
Safety Zone: Fireworks Display, Potomac River, Charles County, MD
New England Fishery Management Council Meeting

Inspires AOTUS (March, '10) to designate team as lead designers for modernized "daily newspaper of the federal government"

