

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

NATIONAL BROADBAND PLAN WORKSHOP
OPEN GOVERNMENT AND CIVIC ENGAGEMENT

Washington, D.C.

Thursday, August 6, 2009

ANDERSON COURT REPORTING
706 Duke Street, Suite 100
Alexandria, VA 22314
Phone (703) 519-7180 Fax (703) 519-7190

1 PARTICIPANTS:

2 Moderator:

3 EUGENE HUANG

4 Federal Communications Commission:

5 JULIUS GENACHOWSKI, Chairman

6 MARY BETH RICHARDS
Special Counsel for FCC Reform
7 Office of the Chairman

8 STEVE VAN ROEKEL
Managing Director Office of the Managing
9 Director

10 KRISTEN KANE
Director of National Purposes National
11 Broadband Task Force

12 Panel One:

13 VIVEK KUNDRA
Federal Chief Information Officer

14 BETH NOVECK
15 Federal Deputy Chief Technology Officer for
Open Government

16 GRAHAM RICHARD
17 Former Mayor of Fort Wayne, Indiana

18 Panel Two:

19 ELLEN GOODMAN
Rutgers School of Law

20 NORM ORNSTEIN
21 American Enterprise Institute for Public
Policy Research

22

1 PARTICIPANTS (CONT'D):

2 ANDREW RASIEJ
3 Personal Democracy Forum

4 BETH WHITE
5 Chicago 2016

6 JOHN WONDERLICH
7 Sunlight Foundation

8

* * * * *

9

10

11

12

13

14

15

16

17

18

19

20

21

22

ANDERSON COURT REPORTING
706 Duke Street, Suite 100
Alexandria, VA 22314
Phone (703) 519-7180 Fax (703) 519-7190

1 C O N T E N T S

2 Agenda Item: Page

3 OPENING REMARKS WORKSHOP INTRODUCTION 4

4 PANEL 1: A VIEW FROM GOVERNMENT 17

5 OPEN Q&A PERIOD 55

6 PANEL 2: A VIEW FROM THE NON-PROFIT SECTOR 85

7 OPEN Q&A PERIOD 126

8 CLOSING STATEMENTS/ADJOURNMENT 145

9

10

11

* * * * *

12

13

14

15

16

17

18

19

20

21

22

ANDERSON COURT REPORTING
706 Duke Street, Suite 100
Alexandria, VA 22314
Phone (703) 519-7180 Fax (703) 519-7190

1 P R O C E E D I N G S

2 (9:33 a.m.)

3 MR. HUANG: Can everybody take your
4 seats, please? We're about ready to start. Thank
5 you.

6 MR. GENACHOWSKI: I can't help smiling
7 as I imagine the Blair Levin avatar on Second
8 Life. I hope we have avatars for all of our
9 workshop panelists today.

10 And over time, Panelists, avatars for
11 all of America. It's my pleasure to welcome
12 everyone here for the kickoff of the Omnibus
13 Broadband Initiative's public workshop series. We
14 have, as you know, a plan to host 2 dozen
15 workshops in the next month, a goal some have said
16 is impossible. To them I say the Washington
17 Nationals have won four straight.

18 Let me take -- this is a very important
19 day, but it's a day where I hope we can have real
20 discussion. And let me be as informal as I can,
21 but let me see if I can try to put today's events
22 in a little bit of context.

ANDERSON COURT REPORTING
706 Duke Street, Suite 100
Alexandria, VA 22314
Phone (703) 519-7180 Fax (703) 519-7190

1 The President and Congress a few months
2 ago entrusted the FCC with the very important
3 responsibility of developing a National Broadband
4 Strategy. We should have had a national strategy
5 years ago. We didn't, but now we have the
6 directive from the President and from Congress for
7 the FCC to develop one. This is a very serious
8 responsibility that the agency is taking with the
9 seriousness it deserves.

10 Broadband is the great infrastructure
11 challenge of our generation. It's to us what
12 railroads, electricity, highways, telephones were
13 to previous generations -- a platform for
14 commerce, for addressing major national problems,
15 and for civic engagement.

16 It's not an abstract exercise. I think
17 a lot of Americans when they hear "universal
18 broadband" aren't sure yet exactly what that
19 means. And part of what we hope to do with these
20 workshops is animate the meaning and importance to
21 ordinary Americans of broadband.

22 We know from a data point of view that

1 every point increase in broadband deployment will
2 lead to an increase of 300,000 jobs, according to
3 a study by Brookings. I had a chance last week to
4 meet with some people who are starting to use
5 broadband to do job training and I met at Valencia
6 Gardens, a public housing project in San
7 Francisco, some people who were able to find jobs
8 through broadband and because they were trained in
9 using the Internet. I had a similar experience in
10 Cleveland a couple of weeks ago, where I met
11 people who before they got involved in some
12 training programs and before they learned
13 broadband and Internet skills had great trouble
14 finding a job and were able to find a job using
15 the Internet.

16 I also saw last week, when I was in
17 California at the Lucille Packard Children's
18 Hospital, some incredible programs that when you
19 see them, you can't help but think how can we live
20 in a country where this isn't available to
21 everyone? For example, we saw a program where
22 doctors use imaging technologies and broadband to

1 diagnose newborns for this particular disease,
2 it's a very long name that I won't try to
3 remember, but it causes blindness. It's very
4 treatable if it's caught. Of course, there are
5 too few doctors who have the skills to diagnose
6 this particular disease. And what happens now all
7 over the country is that doctors with this
8 specialty spend their time driving around,
9 examining as many kids as they can. Some kids are
10 sent -- newborns are sent with their parents to go
11 to where the specialists are.

12 Of course, this doesn't make sense in a
13 world where we have imaging technologies and we
14 have broadband connections, and so you can
15 actually get better images, better diagnoses of
16 more newborns for less cost up front and clearly
17 saving the country costs over time. This is up
18 and running now in Palo Alto. It should be up and
19 running everywhere. That's the kind of
20 opportunity that we hope to tackle with the
21 broadband project.

22 Last example. I was in Erie,

1 Pennsylvania, and I met a farmer. I met a farmer
2 who said -- a farmer in his sixties who said when
3 I went into farming, the last thing that I thought
4 would matter to me are computers and Internet
5 connections. But today, I don't think farmers can
6 do their jobs without computers and high-speed
7 Internet connections for real-time weather, for
8 crop planting, for pricing, and selling their
9 products. And he asked us to do everything we can
10 to extend broadband to all Americans.

11 Here's the challenge, of course: Nearly
12 -- about percent of American households don't have
13 broadband. In some communities -- low-income
14 communities, minority communities, rural
15 communities -- that number is closer to 60
16 percent. This is why the President and Congress
17 did two things in the Recovery Act. They started
18 addressing this issue through \$7 billion in
19 broadband grants and why they gave the FCC this
20 important responsibility of developing a National
21 Broadband Strategy.

22 As Blair Levin and the team started

1 tackling this challenge, we set some goals. We
2 want this process to be the most open ever at the
3 FCC, the most participatory ever at the FCC, the
4 most data-driven ever at the FCC, and the most
5 innovative ever at the FCC, encouraging
6 experimentation to find solutions to make sure the
7 Commission meets this moment.

8 As I said yesterday, when we welcomed
9 the broadband staff, we welcome and encourage
10 experimentation and innovation, and we expect
11 mistakes. Today is the first hearing. I'm so
12 proud that the Commission is doing this. I fully
13 expect that it won't go perfectly. We're
14 streaming it live; something will go wrong. At
15 Second Life, someone will get off on the wrong
16 street. We're providing for public participation.
17 Who knows exactly what'll happen? That's okay.
18 This is a real-time, live experiment in democracy
19 and participation. I think we'll have an
20 excellent day today and it'll just get better and
21 better as we go through these workshops.

22 I'm particularly pleased that the first

1 workshop is on eGovernment and civic engagement.
2 One is because it gives us the opportunity to
3 begin to show how eGovernment can work. Of
4 course, we have people here who have been working
5 very hard -- Vivek Kundra and Beth Noveck and
6 Graham Richard -- on eGovernment in the White
7 House and in Indiana.

8 The second reason I'm so pleased that
9 this is our first topic is that everything flows
10 from civic engagement. An active public offering
11 its best ideas is the foundation of the solutions
12 to all of our challenges. And in the 21st century
13 there's no excuse for not finding ways to connect
14 all Americans to each other and to their
15 government through high- speed Internet.

16 These workshops take on some added
17 importance because the first round of filings in
18 this proceeding did not advance the ball forward
19 as much as it should. We are where we are, but it
20 is essential that through this process we have
21 full participation, we have ideas that meet the
22 moment, and that we receive data that tackles the

1 hard questions that the Commission has to address
2 in this proceeding.

3 So with that, let me just say how
4 pleased I am that we have the panel that we have
5 today. I'm honored on behalf of the Commission
6 that we have the country's first chief information
7 officer here, Vivek Kundra.

8 We have Beth Noveck, who's also
9 occupying a new position in the White House, the
10 deputy chief technology officer for Open
11 Government.

12 Graham Richard, one of the most
13 innovative mayors in the history of the country,
14 especially around digital -- creative digital
15 solutions to problems that Americans face. Graham
16 Richard, thank you for coming.

17 And we have -- let me do this because we
18 want to get into the workshop. Let me quickly do
19 the other names, all of whom are great, and ask
20 you to save their well- deserved applause at the
21 end.

22 But we have some extraordinary doers and

1 thinkers working around engaging the public,
2 thinking about these hard issues: Norm Ornstein
3 from the American Enterprise Institute; Andrew
4 Rasiej from Personal Democracy Forum; Ellen
5 Goodman, who I see somewhere, I hope she's here
6 from Rutgers; John Wonderlich from the Sunlight
7 Foundation; and Beth White, who somehow in order
8 to make sure that the country receives the
9 Olympics in 2016 in Chicago had the great idea of
10 seeing if we could elect a president from Chicago.
11 That worked out. Next step is the Olympics.

12 The immediate next step is to ask Eugene
13 Huang to take over and lead this workshop. I want
14 to welcome Eugene to the FCC along with everyone
15 from the broadband team. Eugene, until very
16 recently, was at the Treasury Department working
17 on some very difficult issues around economic
18 relations with China, and before that was in the
19 state of Virginia as the secretary of technology.

20 Between Eugene and Vivek and our new
21 CTO, Aneesh Chorpa, I think we're proving that
22 there is great innovation east of the Mississippi,

1 and we look forward to some innovators from west
2 of the Mississippi joining us in this effort.

3 So, thank you, everyone. I'm looking
4 forward to a productive workshop and thank you all
5 for being here.

6 (Applause)

7 MR. HUANG: Well, thank you, Mr.
8 Chairman, for those very warm and inspiring
9 opening remarks. It's my distinct privilege to
10 welcome each and every one of you to this first
11 workshop of the National Broadband Task Force. My
12 name is Eugene Huang and I'll be serving as the
13 moderator for today's workshop.

14 Joining me today from the FCC is Kristen
15 Kane, who's the director of National Purposes for
16 the National Broadband Task Force; Mary Beth
17 Richards, special counsel for FCC reform in the
18 Office of the Chairman; and Steven Van Roekel, who
19 is the managing director of the Office of the
20 Managing Director.

21 I'd also like to extend a special
22 welcome to those of you who are joining us online

1 in cyberspace. And I understand that there are
2 over 100 individuals and entities that are
3 registered, including individuals through the WebX
4 online platform in Second Life. And clearly, it's
5 demonstrating the power of broadband technology to
6 promote a more open and transparent government.

7 This first workshop covers two topics:
8 Open government and civic participation. And for
9 both topics we've assembled some of the leading
10 practitioners and experts who are using broadband
11 to build an open government and transform civic
12 engagement.

13 Before we begin, I'd like to note that
14 this workshop is the beginning of the
15 conversation. Today's workshop will not answer
16 all of the difficult questions before us, but it's
17 a strong and important start. With the
18 individuals gathered here today, through a
19 conversation among Commission staff, panel
20 participants, and the public at large, we aim to
21 learn about and discuss best practices, generate
22 ideas, and augment the knowledge of members of the

1 Commission. Today's discussion will help frame
2 and shape the work of the National Broadband Task
3 Force and guide the development of the National
4 Broadband Plan.

5 For our first panel I'd like to welcome
6 our three distinguished speakers: Vivek Kundra,
7 federal chief information officer; Graham Richard,
8 the former mayor of Fort Wayne, Indiana; and Beth
9 Noveck, federal deputy chief technology officer
10 for Open Government. We will hear 10-minute
11 presentations from each of our panelists, follow
12 15 minutes of Q&A from our FCC panel, and at the
13 conclusion we'll open it up to the public for 15
14 minutes of questions and answers.

15 Also, before I begin, I'd like to ask
16 our audience here in Washington, D.C., to please
17 turn off your cell phones or at least put them on
18 vibrate. We want to make sure that our
19 participants online don't hear the buzzing of our
20 cell phones here in Washington, D.C.

21 So, with that, Vivek, the floor is
22 yours.

1 MR. KUNDRA: Thank you, Eugene, for that
2 kind introduction. And Mr. Chairman, thank you
3 very much for holding this very important hearing
4 on a subject that affects the United States
5 Government and, more importantly, the very people
6 we serve.

7 If we really think about this at a macro
8 level, there have been three major revolutions
9 that now lead to the Technology Revolution. The
10 first was the Agricultural Revolution. But in the
11 Agricultural Revolution, if you think about the
12 movement of people and the movement of capital, it
13 was limited to essentially a 25 square mile. An
14 individual could literally spend an entire
15 lifetime with the means of production and
16 distribution of food and distribution of goods.
17 Then came the Industrial Revolution, as the
18 chairman said, with trains and the ability to move
19 goods and people at much higher velocities.

20 And now as we've entered the Technology
21 Revolution one of the things that's happened is
22 we've fundamentally changed the way we interact

1 with our government. If you look at the major
2 innovations that have happened within the federal
3 government and how we serve the American people,
4 what we've been able to do as a result of
5 broadband penetration across the country and the
6 ability to engage the American people has changed
7 permanently how we operate. Yet there are too
8 many people who are not able to participate. What
9 I want to do is highlight a couple of things that
10 we're doing within the United States Government
11 that are showing the idea of open government and
12 democratizing data, how they're actually producing
13 results.

14 One of the big things that we're focused
15 on is to simplify access to government services.
16 And what underpins that is the digital
17 infrastructure that powers your modern economy.
18 One of the big problems we have is the ability to
19 access some of these services in a way that allows
20 people to, on a real-time basis, see how their
21 government's performing, be able to participate,
22 and actually move towards a participatory

1 democracy.

2 There are unprecedented opportunities as
3 a result of some of the work that we're doing in
4 terms of citizen participation, transparency and
5 open government, how we democratize data. Two big
6 phenomena that we're looking at is, one, is on the
7 cloud computing side, which is how do we take the
8 \$76+ billion that the United States Government
9 spends today on information technology -- a
10 majority of that money is actually spent on
11 integration services -- how can we take advantage
12 of some of the innovations that have happened in
13 the consumer market, where there's Darwinian
14 pressure to innovate and where we've seen massive
15 gains in productivity that haven't been,
16 unfortunately, matched within the federal
17 government?

18 Secondly, how do we look at agencies
19 that have actually done a great job, such as the
20 U.S. Patent and Trademark Office, to fundamentally
21 change the way that agency operates?

22 What I want to talk about is from a

1 participation perspective. The President talked
2 about laying a new foundation, a foundation that's
3 built on transparency and open government. One of
4 the key things we did is as we looked at the
5 problem of optimizing and rationalizing the \$76
6 billion that the U.S. Government spends, we asked
7 a very simple question, which is: How can we
8 engage the American people to help us shape the
9 way we spend that money and recognize the fact
10 that the federal government does not have a
11 monopoly on the best ideas out there?

12 So, what we decided to do is
13 fundamentally change the way we're actually
14 managing by engaging the American people. The old
15 model was a very opaque, closed, exclusive model
16 of managing \$76 billion. It was very static and
17 there was faceless accountability. In 1994, there
18 was a report issued by then Senator Cohen that
19 talked about billions of dollars that are being
20 wasted on information technology projects. Last
21 year, there's a report that talked about \$30
22 billion of IT investments that are in trouble.

1 Yet the reporting that was there was a Management
2 Watch List, which is a static list that Congress,
3 the GAO, and the administration issued.

4 The President talked about a culture
5 where we move away from secrecy, where we can
6 change the default position of the federal
7 government from secret to open and transparent.
8 So, what we did is we built a dashboard that would
9 lift the veil on IT expenditures. As soon as we
10 launched this public-facing dashboard, which
11 exposed every layer of spending, from who was
12 responsible for the project with actually the
13 picture of the CIO on that project, so you could
14 actually see who is running this project, which
15 contractors are working on it, where we are in
16 terms of milestones on that project. And we saw
17 very quickly that we got over 43 million hits.
18 There's this hunger for this information out there
19 in the public domain.

20 But not only that, we actually made sure
21 that we created this platform so we could engage
22 the American people in giving us ideas on how we

1 could move the needle and find the innovative path
2 as we invested in these IT projects. And what we
3 saw quickly was a whole new model of looking at IT
4 projects to the point where also the Veterans
5 Administration recently announced that its
6 temporarily halting 45 IT projects. One of the
7 worst offenders out of those projects was a
8 project that 110 percent over budget and over 17
9 months behind schedule.

10 And you can see as we move forward the
11 CIOs that were not really looking at these
12 projects historically and analyzing them, we set a
13 deadline, and we announced it publicly that within
14 30 days they had to evaluate every single project.
15 And as you can see from that chart we've hit that
16 mark. And the public was calling, the Congress
17 was calling, the GAO was calling and asking each
18 of the CIOs where they were, and the Office of
19 Management and Budget.

20 What that led to is better governance in
21 terms of what we're doing. But this is one model
22 and it's going to take a lot of hard work to move

1 in that direction.

2 We also made sure that we democratized
3 the data, so people could actually slice and dice
4 and give us different views of risk across the
5 board. We allowed people to actually take any of
6 the projects they're interested in, if you're
7 interested in public health or education or
8 energy, you could embed those projects on Facebook
9 or Twitter or on your own personal blogs. So we
10 essentially created communities as a function of
11 releasing that data and allowing the public to
12 participate. Every day now, CIOs are getting new
13 ways of thinking about these problems, and it's
14 not limited to just the federal workforce. And
15 we're looking at new and innovative ways of
16 approaching this problem.

17 Another area, thinking more broadly, is
18 around democratizing data across the board. We
19 embarked on an initiative called Data.gov that
20 would release as much of the public data as
21 possible, recognizing that there is information
22 that's classified or sensitive in nature. As of

1 now, we've got over 100,000 data feeds from every
2 aspect of government operations, from how the FAA
3 is looking at flights, the average times/delays
4 across the country, to toxic release data from the
5 EPA, to data from our health care system, Medicare
6 and Medicaid. And what we're finding very quickly
7 is that innovation is happening in the market as a
8 result of democratizing this data.

9 Within 24 hours of launching this, the
10 Sunlight Foundation actually launched a
11 competition called Apps for America and issued
12 over \$20,000 to anyone that would develop
13 applications based on Data.gov. What we saw
14 immediately were a number of applications that
15 were created. An example is FlyOnTime.us, where
16 an enterprising developer essentially took the
17 data that the FAA had put out and created an
18 application that would allow you and I to map out
19 from one city to another the average delay times
20 of flights so we could make a better decision
21 where we want to book.

22 But not only that, but we issued a

1 challenge to CIOs across the country for every
2 state and local government to create a Data.gov,
3 so that for the first time you'll be able to now
4 see what's happening across our transportation
5 grid or, for that matter, broadband. So you could
6 actually think about comparing, whether it's cell
7 phone plans or thinking about where you have
8 broadband deployment and where you don't and
9 what's the delta there, to applications that are
10 being developed where the intersection of multiple
11 data feeds allows us to see spikes or disparities
12 in terms of what's happening as far as health
13 outcomes or if we're looking at how we can address
14 some of the toughest problems that this country
15 faces today.

16 When it comes to broadband deployment,
17 though, what we're seeing in the federal
18 government is there are some agencies that have
19 led. Some because they were looking at broadband
20 and teleworking as a mechanism to drive
21 productivity and essentially make sure that they
22 were attracting the best people, and others that

1 were reacting to adverse circumstances. So the
2 Patent and Trademark Office is a perfect example,
3 where you have a federal agency that's got a
4 program in place where close to 50 percent of
5 employees are actually teleworking. And the PTO,
6 U.S. PTO, will tell you that they're already
7 seeing over \$2 million in cost savings and 14,000
8 tons of carbon emissions that have been saved.

9 The other example I'd like to highlight
10 is the GAO. After September 11th, the GAO had to
11 vacate its building because of the anthrax attack
12 at the Senate Hart Building. And as a function of
13 that, they had to come up with a solution in terms
14 of how do you continue the operations of the
15 United States Government in that environment? And
16 the employees there actually turned to
17 teleworking. And what's really important as we
18 think about this and the mission of the United
19 States Government across the board, from the
20 Forest Service to NASA to Department of Defense,
21 we're also government consumers of the technology
22 that's deployed out there in the consumer space.

1 And it's very important for us to be able to
2 leverage that in times of great need. As a matter
3 of fact, there's a policy as we think about the
4 very nature of work in the 21st century.

5 What I'd like to close with is just talk
6 about the huge opportunity and the importance of
7 the great work that you're doing here today. As
8 we think of health care and education, and we
9 think about fundamentally changing and introducing
10 disruptive technologies across the board, we have
11 an imperative to make sure that communities that
12 are not able to access broadband or are not able
13 to access the global economy and the digital world
14 are disenfranchised. And what we need to do is
15 redouble our efforts to make sure that we have an
16 infrastructure across the country that will allow
17 us to take this nation to the 21st century.

18 Thank you very much for giving me the
19 opportunity to speak and I look forward to the
20 discussion.

21 (Applause)

22 MR. HUANG: Thank you, Vivek. We now

1 hear from Graham Richard, who is the former mayor
2 of Fort Wayne, Indiana.

3 MR. RICHARD: Thank you very much for
4 the opportunity to be with you today and to share
5 a story about a community in the Midwest that
6 perhaps might be both metaphorically and perhaps
7 physically as we look at it a city that has
8 250,000 people. And when I became mayor in 2000,
9 we were facing a recession. Not "the" recession,
10 but "a" recession. And the great history of our
11 community is one of innovation.

12 When I look back, in 1980, there were
13 13,000 GE workers, there were 10,000 International
14 Harvester workers, 105 percent average annual wage
15 for the citizens of our city, high-paid, low-skill
16 jobs. And by 2000, we were at 83 percent.
17 President Obama was just in our neck of the woods
18 in Wakarusa, Indiana, where there's 20 percent
19 unemployment.

20 So the issues about broadband helping
21 retain and gain jobs and becoming part of an
22 economic development strategy is what I want to

1 talk about.

2 So in our case, we decided early on that
3 if this young man was going to grow up to enjoy
4 over 100 miles of trails and greenways and lots of
5 wonderful assets in our community, we had to start
6 thinking about how he as a young person would be
7 able to compete in the world that we all know now
8 to be much more competitive. So we set three
9 goals: We wanted to be a city that retained and
10 gained quality jobs; we wanted to be the safest
11 city of our size in the country; we wanted to
12 build excellent government services using
13 technology and teams.

14 John Chambers says it this way, "The
15 jobs are going to where the best-educated
16 workforce is with the most competitive
17 infrastructure and the environment for creativity
18 and supportive government." I might change that
19 word to "collaborative" government.

20 And so when you look at the classic
21 infrastructures that Vivek was talking about, if a
22 city does not have a broadband plan as part of the

1 plans to invest in those things that'll make a
2 difference in the lives of their community, they
3 will lose. And so what we did is to say how could
4 we have smart, fast, agile, green city government
5 to support the things that we knew our citizens
6 would need? So, in addition to using lean 6 sigma
7 and business management teams from companies like
8 GE and Raytheon and ITT and others, we were able
9 to figure ways to reduce the pothole filling time
10 from 4 days to less than 4 hours. We were able to
11 take the head count. We have 2,000 city employees
12 part time, 9 different labor unions, 7 of which
13 now have performance-based pay. And we said how
14 can we engage the hearts and minds of city
15 employees to be able to help us keep our head
16 count flat and improve services?

17 Technology is a key part of that. The
18 leadership, however, to work with our employees
19 became a critical part of empowering them to be
20 able to solve problems. You can see some data
21 there about the change in population, principally
22 by annexation. We are a large county of -- our

1 city's 109 square miles in a large county.

2 These are the examples of savings.

3 Technology was always a part of every project.

4 What can we do to make services more effectively
5 available at a lower price? If the Department of
6 Defense had a similar kind of savings, it would be
7 \$50 billion.

8 You take things that are common, like
9 looking at safety. Fifty percent of most city
10 budgets or more, sometimes as much as 70, go to
11 public safety. And yet we weren't safe with our
12 own employees.

13 Here's a chunked down example --
14 technology. Because of the expansion for 850
15 miles to 1,200 miles of roads, we needed more
16 equipment. The Street Department said -- and by
17 the way, this is a very high-performing
18 department; one of the number one public works
19 department in the country in 2007 -- they said we
20 need more street sweepers. My observation was
21 that maybe we weren't using the street sweepers as
22 efficiently as we could, so we have a little

1 company in Fort Wayne called Zoom. And what we
2 did is we used real-time wireless monitoring of
3 when the street sweeper was actually sweeping
4 versus the time it was going to the location where
5 it was going to sweep. And you can see that we
6 actually had very inefficient use of that vehicle.
7 That is just one example of many where technology
8 helped us improve our public service.

9 Libraries. We have 90 languages spoken
10 in the Fort Wayne community schools. We have more
11 Burmese residents in Fort Wayne than any other
12 city in the country. These are individuals
13 frequently who do not speak English. Serious
14 problems, many of them having health challenges as
15 they come to our country. So the library is the
16 place where people go.

17 We have now connected all libraries with
18 a (off mike) system. We have wireless WiFi free
19 and available. We have library sites and our 14
20 different locations. People are now lining up,
21 scheduled to use those sites because that's how
22 you get online to file your unemployment

1 compensation, your workers' comps, your Medicaid,
2 your Medicare. That's the public outpost.

3 Schools. What if we could get every
4 school student in our community to have access to
5 the very best on the Internet and the web? You'll
6 hear from Beth about collaboration and about Wiki
7 government. One of the things we did here was to
8 say let's connect. And we did this with an RFP
9 through a private not-for-profit entity with
10 Indiana- Purdue, where we have 11,000 students
11 serving as the hub. So connecting all of our
12 libraries with a gigabit system in every school
13 with a gigabit system.

14 Now, what does this mean? This fall we
15 will be offering for the first time in our
16 community Mandarin Chinese education, language
17 instruction for any high school student that wants
18 it, Japanese, and Arabic. That will be offered
19 from the campus to students three days on an
20 online learning program with high video connection
21 interactivity, two days in a high touch at the
22 university.

1 I do -- as mayor did virtual town hall
2 meetings. Ivan Seidenberg came to Fort Wayne to
3 visit the hub of the Midwest area when GTE was
4 purchased by Verizon. We said we don't want to be
5 last to get fiber to the home. I'm a beg, borrow,
6 buy, build kind of guy, and a strategy of having
7 fiber optics access, a competitor to Comcast, was
8 a strategy that was a win for everybody. So we
9 were able to convince Verizon to build out FiOS.
10 It was the first in the Midwest -- it happens to
11 be the only Midwest build -- passing 132; 132,000
12 homes and businesses, \$150 million investment, and
13 we promised to improve the cycle time for
14 permitting, make sure that we worked to get all
15 the utilities located quickly, and to create an
16 innovators forum. We formed a seed capital fund
17 to invest in companies that would develop new
18 broadband applications and we created innovation
19 teams for broadband.

20 Again, the goal here, working through
21 our Innovation Center, a 40,000 square foot
22 technology incubator adjacent to the IUPO (off

1 mike) campus, I'll just use a couple. There are
2 more than 40 different iTeams. I'm going to talk
3 about health care.

4 Wouldn't it be great if every person in
5 our community who went to a neighborhood health
6 care clinic had an electronic medical record and
7 could get access to health care in an emergency
8 room? That's what we have today: Over 90,000
9 electronic medical records. This is a
10 not-for-profit, no federal funds, no government
11 funds, large -- one of the largest in the country
12 -- health care clinics, dental and medical. With
13 the electronic medical records and the ability to
14 diagnose potential retinitis for Type 2 diabetic
15 patients remotely, we've had eyesight saves where
16 people would have lost their eyesight if they
17 hadn't have been able to take that digital retinal
18 examination, send it to a retinal surgeon, and
19 have that be read quickly and accurately.

20 Hearing impaired, simple, very
21 important. Individuals who cannot hear are
22 finding that by using a digital bridge through an

1 interpreter in Indianapolis who's calling a
2 computer repair call center in Salt Lake City,
3 that individual using signing can now be able to
4 get resources and communicate in ways that make
5 them more productive.

6 Senior Connect, Digital Literacy.
7 You've got the broadband, you've got the
8 combination of high-speed wireless and fiber
9 optics. Why aren't people using it? In many
10 cases, they don't have a computer. They don't
11 understand the power of broadband. This is a case
12 where seniors in high school get refurbished
13 computers from our vocational technical school
14 that were given by local businesses. We put them
15 in the homes or in community centers and work with
16 senior citizens to get them connected to the web,
17 begin accessing their own digital medical records,
18 begin communicating with their grandchildren.

19 In the two years before I became mayor
20 we had a terrible tire fire, 2,000 people
21 evacuated in the heart of a census track that has
22 the highest percentage of low-income single moms.

1 And so we said as part of the revitalization let's
2 think about building new urbanism, suburban homes
3 with porches, but in an urban style, and let's
4 connect them with fiber optics. Let's put at
5 least CAT5 fiber all through those new homes. And
6 let's take a 95-year-old home and retrofit that
7 home to make it a smart green home, so the single
8 mom in that home can remotely see her latchkey kid
9 communicate with good visual communication when
10 the son comes home and through wireless
11 Internet-connected remote handling of the
12 appliances and the HVAC save energy costs. And at
13 night, she can take a course from Indiana-Purdue
14 or from Ivy Tech without having to have child care
15 and without the cost of transportation.

16 We did an analysis. A low-income family
17 in our community, the household energy cost and
18 the transportation energy cost are two of the
19 fastest growing costs over the last three decades.
20 If you can reduce that cost, that person can
21 invest it in education, a down payment on a new
22 home, health care, and other facilities.

1 Crime. Mayors really spend a lot of
2 time on crime and local public safety hometown
3 security. Why? Because we're the closest to that
4 problem. You call 911 and our folks locally need
5 to respond. So the lowest crime rate in 28 years
6 came because strategically one of the things we
7 did was to say how can you use broadband to deploy
8 your public safety personnel? You've got
9 expensive people and equipment and how can you get
10 them to do patrolling and local police work rather
11 than paperwork?

12 And so early on, we called a summit. We
13 pulled together all of the public safety partners
14 from the state and the federal level, and we began
15 to figure out ways to communicate data more
16 effectively, including a COMSTAT Daily Tracking,
17 automated fingerprint identification. Remotely
18 from a police car we can take a fingerprint and
19 search a million fingerprints to quickly identify
20 an individual and what the problem or challenge
21 might be with that individual.

22 DOD. We have a partnership with the

1 Department of Defense. That little orange robot,
2 think of Columbine or think of a terrible fire
3 where your public safety personnel are in
4 jeopardy. While we were doing a training for this
5 demonstration site we actually had a live-action
6 hostage- taking in a house of a suspected drug
7 lord. We took that little orange guy, we were
8 able to blast open a door, put him into the house,
9 thought the guy was holed up in a closet, found
10 out he'd climbed up into the attic. With a
11 periscope -- remember, no human being has entered
12 the house at this point; it's all done wireless
13 remote -- we were able to apprehend the individual
14 by finding that he was crouched against the wall
15 of the chimney in the attic without a hostage.

16 "None of us is as smart of all of us."
17 What broadband does is it allows us to build new
18 collaborative networks of innovation and
19 problem-solving. Eugene, I have three ideas that
20 I'd like to present very quickly.

21 One, I think as it relates to the
22 broadband plan, if we could see a collaborative

1 effort at the federal level with all the other
2 national plans that are taking place. We've got
3 plans that are coming from HUD, Intelligent
4 Transportation. We've got a Homeland Security
5 plan, we've got health care plans. We all know
6 the President's energy plan. I see broadband and
7 this plan being the infrastructure innovation
8 platform to support all of those.

9 Second point. In terms of the only web
10 portal that you hear at the FCC, let's make that
11 dynamic, let's make that collaborative, let's make
12 that a place where literally millions of people
13 can come and share their ideas about this plan.
14 And we can suck up the great information that will
15 be coming from the innovative proposals in the
16 first round of the broadband stimulus money.

17 Last point, and this one is how do you
18 take the innovation success stories of places like
19 the National Institutes of Health or the National
20 Science Foundation, NIST, and others? How can we
21 create maybe 100 cities, a network, a competitive
22 process, where you'd say Greencastle, Indiana, New

1 York City, you've got high-speed broadband, let's
2 now create an incentive for bringing innovative
3 broadband applications right down to helping
4 people get better health care, improve public
5 safety, improve the energy costs in their homes,
6 figure out ways to get higher levels of
7 educational attainment? And maybe that innovation
8 then can spread and we can again be the leader in
9 the world in terms of innovation using high-speed
10 broadband and we can learn from what these 100
11 smart cities, innovative cities are doing.

12 Thank you very much for an opportunity
13 to be with you.

14 (Applause)

15 MR. HUANG: Great. Thank you, Mr.
16 Mayor. And our final presentation for this first
17 panel is from Beth Noveck, federal deputy chief
18 technology officer for Open Government. Beth, the
19 floor is yours.

20 MS. NOVECK: Thank you very much. And I
21 want to thank Chairman Genachowski and Blair Levin
22 and Eugene Huang and the entire broadband team for

1 having me here today, and very much to my
2 co-panelists with whom it's an honor really to be
3 on the platform. I have to do clean-up, if you
4 will, so I will try to cover some other examples,
5 but I think very much make many of the similar
6 points, points that have been -- thank you --
7 echoed by the President, which is that broadband
8 is helping us to create the platform. It's
9 helping us to (off mike) that allows us to fulfill
10 our commitment to tap the intelligence and
11 expertise of the American people. So to look
12 outside of Washington, as he talks about, to find
13 new ways of tapping the intelligence and expertise
14 and the experience of ordinary Americans to solve
15 the problems of our time.

16 More Americans today own cell phones
17 than they own dishwashers. And so the question is
18 what is this growth of technology, the Internet,
19 and the adoption of the devices that allow us to
20 connect to this new broadband superhighway that
21 the FCC is working now to put in place through
22 this plan? What does it mean for our political

1 institutions? What does it mean for the future of
2 government? And what does it mean for the future
3 of our democracy? So I'm really delighted that
4 today, as the kickoff of the workshops that will
5 take place, really all of these workshops which
6 themselves reflect a commitment to openness and to
7 participation, that the first workshop should be
8 about open government and eGovernment and
9 eDemocracy. And it's not surprising that this
10 echoes and then parallels in some way the fact
11 that the very first Executive Memorandum that
12 President Obama signed was his memorandum about
13 transparency and open government. That signaled
14 the commitment that this administration has to
15 being more participatory, to being more open, and
16 to creating the policy that enables through very
17 much the use of broadband and through other policy
18 mechanisms, through our open government policy,
19 that enables us to create the most participatory,
20 collaborative, and transparent democracy of our
21 time.

22 It's not surprising that this comes in

1 an era in which we have the technologies that
2 allow us to do this, to work together in teams, in
3 groups, and in communities, whether it's to build
4 software platforms like the Mozilla browser or to
5 engage now in crowd sourcing information about the
6 flu or H1N1, to participate in Wikipedia, or we
7 have folks, for examples, participating from
8 Second Life in this workshop today. And the goal
9 here, and this has been echoed both by Graham and
10 by Vivek, that the goal here is, as the President
11 has said, to work together to solve problems.
12 Because the problems we face are many. The
13 problems we face are great. And we can solve them
14 better when working together than we can alone.

15 And this is really the guiding
16 philosophy behind the White House Open Government
17 Initiative and the administration's commitment to
18 this set of issues, which is to think about how we
19 bring innovation through broadband technology,
20 through the use of technology to the way that
21 government works, both to provide better services,
22 to create the data transparency that we've heard

1 about, to create better -- but also to create more
2 open ways of working and more open policy-making.
3 So we've put up something that we've called the
4 Innovations Gallery on the White House website to
5 showcase some of the many platforms, and we're
6 looking for more examples and we'll be looking
7 also to the National Purposes Team. And this plan
8 is to help us to identify more examples of the
9 excellent use of broadband in government already
10 to try to open up the way that government works
11 and really showcase the way that we're doing
12 everything from -- and just at the beginning, from
13 the projects that Vivek is spearheading at making
14 data more open to work at making procurement more
15 open, for example, out of the DOD and their
16 Defense Solutions project.

17 The way that many government agencies
18 now -- and I have to say we've gone from one at
19 the beginning of this administration to now half a
20 dozen that are now using new technologies as a way
21 to consult their employees through electronic
22 suggestion boxes, through expert networks.

1 They're helping to connect people on the ground in
2 the institutions to think about how do we improve
3 the way that they work; to make them, as Graham
4 has done in Indiana, more green, more open, more
5 innovative by asking and tapping the intelligence
6 of the people who work in government institutions,
7 but very much also with the public that interacts
8 with and works with government.

9 This is why we created an open
10 government policy- making process. As we thought
11 about what are the ways in which we can begin to
12 lower and erase any impediments, any policy
13 impediments that may exist to the adoption of
14 broadband technologies in government and by
15 government to engage the American people, we
16 turned to the American people to ask as best how
17 to do this. So instead of as is often the
18 traditional process to draft a policy and then to
19 go out for comment, potentially when those
20 comments come too late we actually, very much like
21 this broadband process, turn the policy-making
22 process inside out and went to the American people

1 first for their ideas and to government employees
2 about how to do this. We launched a three-phase
3 process that involved both brainstorming, then
4 discussion of the difficult ideas and challenges
5 that we might be facing. And then finally turned
6 to people just in the last few weeks to use an
7 online Wiki, a collaborative drafting tool, to
8 actually create the language that we might use in
9 crafting open government policy that would allow
10 us to use Wikis and blogs and other such tools in
11 government to move towards greater openness of
12 data and the workings of government, and to create
13 more participatory innovations.

14 It's why the Regulations.gov team, the
15 portal run by the EPA that enables participation
16 in rulemaking with 180 government agencies,
17 launched a project to reinvigorate and re-imagine
18 what regulations participation might look like,
19 what it might mean for an American to participate
20 in crafting the 4- to 8,000 rules that government
21 makes every year. We are working now with
22 agencies on pilot programs to bring broadband

1 technologies into the agencies to make these
2 innovations possible and reinvigorate the
3 democratic right of participation.

4 I mentioned the idea of broadband-based
5 suggestion boxes, like TSA's Idea Factory, which
6 engages 50,000 government employees in thinking
7 about innovations. You've mentioned the United
8 States Patent and Trademark Office. So I'd be
9 remiss in not talking about the U.S. PTO's
10 Peer-to- Patent Project, which, again, uses
11 broadband-based technologies to connect volunteer
12 scientists and technologists to help the
13 institution of the Patent Office make better and
14 smarter decisions informed by the expertise of
15 people from outside the institution.

16 We're thinking about what are the ways
17 in which we can actually connect people using new
18 tools not only to consume services from
19 government, but also to provide their expertise
20 and their thinking? Again, to tap the
21 intelligence and expertise of the American people
22 to ensure that we're making the best possible

1 decisions, whether it's about broadband policy or
2 patent policy. And so that's where we've started
3 to do things like adopt the use of new blogs. The
4 Office of Science and Technology Policy in the
5 White House created a blog to help the public
6 participate in crafting recommendations on
7 scientific integrity pursuant to a request from
8 the President back in March that we needed to come
9 up with new ways of thinking about how we actually
10 tap not just general public expertise, but
11 scientific expertise to inform the way we make
12 decisions.

13 We're just at the beginning of thinking
14 about what is the potential for using broadband
15 tools to improve the way that government makes
16 decisions and to create a more participatory and
17 open democracy. How might we use things like
18 web-based games, like the kinds of virtual worlds
19 that we are seeing involved in this presentation
20 today to deepen the ties between the U.S. and
21 Muslim communities around the world and fulfill
22 the President's commitment that he made in his

1 speech in Cairo?

2 Another major commitment that the
3 President has made is around STEM education --
4 science, technology, engineering, and math -- and
5 investing 3 percent of GDP in science R&D. The
6 question is how can some of the new techniques
7 that are being explored by the National Purposes
8 Team and the broadband plan help us to actually
9 tackle some of the major issues that we are
10 confronting? Again, how do we solve the major
11 problems that we face today using the new tools
12 that are available?

13 What I wanted to close with is just a
14 couple of examples not only of how we might use
15 broadband technology to foster participation in
16 government, but how we might use broadband and our
17 investment in broadband to foster civic engagement
18 outside of government, enabling people to solve
19 problems in their own communities. Whether it's
20 blogging about problems in local communities -- I
21 chose -- this is more New York than Indiana, as
22 you can tell by the flavor. Whether it's

1 gathering data to -- whether to analyze datasets
2 that are coming off of Data.gov or supplying
3 datasets in local and state context, whether it's
4 making commitments to one another as in this case.
5 If you participate in cleaning up the park, I will
6 donate \$100 to help buy the garbage bags.

7 Whether it's actually helping to crowd
8 source to get networks of people involved in
9 identifying problems, like potholes in their
10 communities so that they can be fixed and
11 identified.

12 Whether it is using -- again this is
13 technologies -- online technologies to enable
14 people to solve problems, as in this case in
15 Connecticut. This is an older project, but still
16 always my favorite example because it involves
17 senior citizens and young people involved in
18 cleaning up derelict building sites in
19 municipalities in Connecticut. And what was so
20 wonderful about this project was the collaboration
21 the government undertook with citizens to help
22 solve the problem of cleaning up derelict land use

1 sites, thereby bringing down crime, bringing down
2 drug use, bringing down other urban blight
3 problems that were taking place. All because
4 these networks, the government, and the citizens
5 were connected together on broadband-based
6 networks using new visual technologies to help
7 work on doing cleanup and solving problems
8 together.

9 Just this year, much more recently,
10 applying very similar ideas in San Francisco, the
11 Carrotmob Project connected the citizenry in local
12 communities in San Francisco to pool and
13 collaborate on applying their buying power. Not
14 to engage in a boycott, not the stick, but the
15 carrot, to direct their purchasing power to the
16 businesses that were the most green. And were
17 committing that with the extra money they would
18 receive from the extra purchases the consumers
19 were making, they would reinvest in retrofitting
20 and other environmental improvements.

21 So let me close by saying that the
22 promise that broadband offers us, I think, both to

1 create better government institutions, to create
2 better civic engagement in communities, is one
3 that I think we see here, taking up Graham's
4 challenge. Being reflected nowhere more strongly
5 than in Chairman Genachowski's and the FCC's
6 commitment to create a Federal Communications
7 Commission that itself leverages broadband
8 technologies to create a more open and
9 participatory institution than has ever been the
10 case before.

11 So from setting up Broadband.gov and
12 creating this dozen participatory workshops to now
13 launching -- and I want to announce that just -- I
14 think I'm the first to mention it really is that
15 we've set up -- I have to put the URL up here.
16 It's actually FCC-opengov.broadband.com, an online
17 forum, Graham. Your wish is my command. We have
18 set up an online forum to allow people to suggest
19 their examples and stories to inform the National
20 Purposes Team and the crafting of the National
21 Broadband Team to tell us, please, how are you
22 using broadband technology to promote civic

1 engagement and open government.

2 If you want to jump ahead to telework
3 and telemedicine and the other themes, education,
4 that will be reflected in the workshops today, or
5 the many examples that you brought to us from
6 Indiana, this is the place that we want to hear
7 about them. Because we can only talk about a few
8 examples in these workshops. We want to invite
9 you, however, to please participate, FCC.opengov
10 -- excuse me, FCC-opengov.ideascale.com. We'll
11 get that URL out there, hopefully, online, and
12 online not only in real space, in -- via WebX in
13 cyberspace, but to the virtual world where this
14 event is being live-streamed today, allowing,
15 again, more people to participate than could
16 otherwise be here. Thank you to the people for
17 whom it's 6 o'clock in the morning in California,
18 who are joining us via Second Life and via WebX,
19 and demonstrating really in practice the potential
20 for the use of broadband to create truly open and
21 participatory government.

22 Thank you.

ANDERSON COURT REPORTING
706 Duke Street, Suite 100
Alexandria, VA 22314
Phone (703) 519-7180 Fax (703) 519-7190

1 (Applause)

2 MR. HUANG: Great. Thank you, Beth.

3 And I'm sure that we'll have on the Broadband.gov
4 website a link to the --

5 MS. NOVECK: Brainstorming URL.

6 MR. HUANG: -- brainstorming URL so that
7 everybody can find it.

8 We're next going to turn to Q&A from our
9 FCC panel. And I'm going to ask Steve Van Roekel
10 to ask the first question.

11 MR. VAN ROEKEL: All right, thank you.
12 Thank you very much. My first question is
13 actually for Mayor Richard.

14 You gave some great advice to the
15 Broadband Task Force, your three points on things
16 to prioritize. I would love your -- the same top
17 three advice for mayors that are in the country
18 that maybe don't have broadband in their rural
19 towns or things. What are the top three things
20 they should do right away?

21 MR. RICHARD: Convene, connect,
22 collaborate. Pull together people in your

1 community. And every community -- there are 40
2 small Indiana towns that have fiber to the home,
3 most of them through funding from the RUS. There
4 are ways that you can do this, and only two of
5 those are municipal utility bills.

6 So the advice I would have is go to the
7 people in your community that are already using
8 high-speed broadband. There are manufacturing
9 plants, there are hospitals, there are colleges,
10 universities in every single Indiana town. And by
11 the way, many of these communities have fewer than
12 10,000 people as residents. So it's really a
13 function of local leadership. Convene people,
14 connect them, figure out a plan, put out an RFI,
15 put out an RFP, who's out there that would like to
16 work with us, and move ahead. Get wired, get -- I
17 don't care whether it's WiMax, whether it's LTE,
18 whether it's 4G, whether it's fiber to the home,
19 just get broadband, and then work to serve the
20 underserved with programs that will connect people
21 who need to be connected.

22 MR. VAN ROEKEL: Thank you.

1 MR. HUANG: Mary Beth?

2 MS. RICHARDS: So I'm reminded of the
3 build it and they will come movie. We've got all
4 of these great ideas. How do we get people in
5 government to learn about them and use them? And
6 what are the best practices for sharing best
7 practices?

8 MR. KUNDRA: So I think part of
9 broadband, the argument or the way to advance the
10 broadband agenda has to be at a higher level. And
11 what I mean by that is you've got to be able to
12 lead by the value it's going to create, such as
13 how is it going to fundamentally change the way
14 medicine is practiced in the United States? How
15 is it going to fundamentally change education?
16 How is it going to fundamentally change the way
17 government operates?

18 And I think it's less about the
19 technology or the deployment of the technology
20 itself, but making a very, very powerful case in
21 terms of value it's going to add to the public
22 sector, but, more importantly, to the American

1 people.

2 So if we look at the U.S. PTO example or
3 even the GAO example, it wasn't driven just
4 because of the broadband technology underneath it,
5 but it was driven because there's a demand.
6 There's leadership in terms of adopting new
7 technologies and making sure that they were
8 changing the way those institutions were running.

9 In the same way, I think what we need to
10 do better across the federal government is to make
11 sure that we look at ourselves and our self image
12 of this \$76 billion consumer and think about how
13 we can leverage some of these technologies and
14 ensure that we are scaling these ideas or scaling
15 the good work that's already happened at GAO and
16 U.S. PTO across the U.S. Government.

17 MS. NOVECK: Let me say briefly in
18 response, first, I think the best example of how
19 one engages in best practice sharing is through
20 leadership, and the best example of that is Vivek.
21 He himself and the work that he's been doing, if
22 you'll indulge me this, has been, I think, an

1 inspiration and a model for many, many people. As
2 he talked about how state and localities, he's now
3 put out a challenge to folks to copy the Data.gov
4 model, and we're seeing that happening in states.
5 We're also seeing states who are copying the Open
6 Government model and adopting their own version of
7 President Obama's memorandum, adopting their own
8 version of open policy-making processes. I have a
9 mayor that I'm talking to on Monday who says I
10 want to do open policy- making in the same way.
11 So I think that leadership and the bully pulpit is
12 extraordinarily important in sending a message
13 around best practice sharing.

14 But I think project examples that are
15 drive towards outcomes that have real success as
16 to your point I think are extraordinarily
17 important. It's one reason we created this
18 Innovations Gallery and that we are inviting
19 others to please use the new technologies
20 themselves to engage in best practice sharing.
21 And that means that when we talk about how we push
22 out data and example and models, we're trying to

1 do that in ways that allow other people to share
2 those examples and models in their own
3 communities, not making everybody only come to us
4 through an Innovations Gallery, but allowing
5 datasets, for example, to be downloadable by
6 others and creating widgets so that they can
7 actually take them into their own communities and
8 do with them for their own purposes. But this
9 allows us, again, as a way to think about how we
10 engage in best practice sharing.

11 And finally, it's also through platforms
12 and new technologies. We are working hard to make
13 it easier for agencies on the federal level to
14 acquire the use of new tools by lowering policy
15 impediments, but also by making sure that those
16 tools are available. So when the General Services
17 Administration, for example, negotiates model
18 contracts with two dozen technology providers so
19 that agencies can readily copy them and adopt
20 those tools, when we move towards a cloud-based
21 computing infrastructure that allows people to
22 share tools as well as to share code, that makes

1 it easier for people who want to to create a blog,
2 to create a Wiki, to use different techniques that
3 allow them to engage not only in open
4 policy-making and open government, but then in
5 some of the best practices around other forms of
6 use of broadband technology.

7 MR. HUANG: Thank you, Beth. We
8 actually have a follow-up question to that from
9 our online audience. Many of the examples that
10 you cited are very impressive. How can citizens
11 find these projects and opportunities? And the
12 specific question is, for example, is there a
13 website that collects or lists these examples?

14 MR. RICHARD: May I jump in on that?

15 MR. HUANG: Sure, certainly.

16 MR. RICHARD: Because I think that's
17 something as a mayor I felt very frustrated about.
18 In the silos of federal research you can find
19 wonderful examples, but there isn't something that
20 is -- and I would hope this plan would engage in
21 creating that -- a sort of national clearinghouse,
22 a place where you can get these best practices.

1 Let me be specific.

2 Many of us are really anxious to see
3 video-based 911. You're at the scene of an
4 accident, somebody holds up their cell phone
5 camera, they take a picture, and then they call
6 using old-fashioned, hi, I'm calling 911 to report
7 a person who appears to have had a heart attack at
8 the corner of such-and-such. And yet they just
9 had a cell phone picture of that, or a fire. Why
10 can't we have a video 911 system and then share
11 that?

12 So this innovation, 100 cities, where we
13 test, where we say to the world bring your apps,
14 let's get the best services to help serve people
15 in these communities, and then let's make it
16 immediately and widely shared. And let's have, as
17 Beth talks about so effectively in her book, let's
18 have the ability to have --

19 MS. NOVECK: I have a mission.

20 MR. RICHARD: Let's have -- she can't do
21 that, I could. Let's have expert panels, like the
22 peer review panel in the patent process, and let's

1 have citizens crowd sourcing to give back feedback
2 to these ideas. Again, no one's as smart as all
3 of us if we can all work together and collaborate,
4 and that's the power of broadband.

5 So, how do we get these ideas out? I
6 think that's one of the most critical things,
7 Blair, that you and Julius can do as a
8 recommendation to the Congress and the President
9 to come up with a very practical way of quickly
10 getting innovation out there to folks that want to
11 use it, are hungry for it, and will change it and
12 modify it and adapt it and make it their own.

13 MR. HUANG: Thank you. Kristen?

14 MS. KANE: I have, first, a quick
15 request of you, Mayor Richard, which is if you
16 wouldn't mind fleshing out for us in a little bit
17 more detail some of the really powerful strategies
18 you've recommended to us, particularly the one
19 about the 100 cities, and give us some more
20 detailed ideas about how we might bring that to
21 life and contemplate it in the context of this
22 plan. That'd be enormously helpful.

1 MR. RICHARD: Well, thank you. I'll try
2 to put my passion to paper, thank you.

3 MS. KANE: Thank you very much. And the
4 question I have is somewhat similar to Mary Beth's
5 question and it's really for each of you. And it
6 gets at the challenges of folks in any level of
7 government not only adopting innovative
8 technologies, but then taking the next step to
9 innovate themselves. And beyond the sharing best
10 practices, which is one hurdle, are there other
11 challenges that we need to be cognizant of with
12 regard to basic capacity, digital literacy?

13 Are there different strategies that each
14 of you in your various roles have used to help
15 people be able to take advantage of all the
16 opportunity?

17 MS. NOVECK: So I think you raise a very
18 important point about the fact that with regard --
19 I'll speak to the open government and the
20 democracy and civic engagement theme that we're
21 focused on today, but it really has to be a two-
22 way street both in terms of what government can do

1 to create and proliferate more opportunities for
2 citizen engagement and for citizen participation,
3 but also for citizens and organizations to step up
4 to the plate to take advantage of those
5 opportunities. And in particular I have to say
6 organizations and groups that have through the I
7 would say fault of government have become used to
8 a model, of kind of that closed model, that lack
9 of accountability model that Vivek talked about,
10 have become used to wielding a certain set of
11 tools and a more limited set of tools for
12 engagement and routing around the closedness of
13 our government institutions. So as we open up and
14 think about more open ways of providing data,
15 providing webcasts of live events, creating online
16 policy forums, that does mean that there needs to
17 be a degree of civic education and civic literacy
18 and change of strategy on the part of institutions
19 who are now being invited to participate, I think,
20 for the first time enabled in new ways by new
21 technology.

22 So I can tell you, I can report that I

1 came from a workshop that happened earlier this
2 week called "Strengthening Our Nation's
3 Democracy," that brought together about 100
4 different institutions representing what they
5 described as the democracy movement and at which
6 they took upon themselves as their commitment at
7 the end of this workshop to say we need to build a
8 toolkit of civic literacy.

9 We need to think about what are the
10 skills that people need in order to work together
11 in a broadband future. So to the point of none of
12 us is as smart -- working together none of us is
13 as -- oh, now I --

14 MR. RICHARD: It's (off mike).

15 MS. NOVECK: It's in the book. I can't
16 remember. Thank you. Is what does that mean both
17 in terms of technical literacy, but what does it
18 mean more generally in terms of ways of
19 collaborating, working together in teams? What
20 does it mean for organizations to say we're going
21 to step up to the plate when the White House is
22 asking about open government policy or asking

1 about declassification policy? Or right now we're
2 running a forum on our cookies policy, for
3 example. What does it mean now to change the way
4 that we work?

5 And I'll just give you one example is
6 the Office of Management and Budget is running
7 this forum on how to revise our policy on web
8 analytics and cookies, web cookies that is. And
9 we're getting lots of people commenting on the
10 blog and responding to one another. But there's
11 still the people, the traditional lawyers who are
12 sending in their letters at the 11th hour and
13 we're reposting them online, even though those
14 folks have access to a computer, because we want
15 everybody to see the comments and we want people
16 to be able to comment on each other's comments and
17 refine them. And so we want to make very clear
18 that we do take seriously these new ways of
19 working and that does require some investment in
20 civic engagement, civic literacy. And I think
21 it's an important point to the ways that we think
22 about funding and research is what is the toolkit

1 for a healthy democracy that we need in terms of
2 civic literacy skills.

3 MR. KUNDRA: So I think, you know, from
4 my personal experience, when you look at some of
5 the challenges this country faces in the K through
6 12 system, being at the 3rd grade reading level is
7 vital. And literacy is really, really important
8 as we think about the three windows: The
9 television, the computer, and the cell phone.

10 But where I would encourage to also have
11 a huge focus when we think about the broadband
12 plan is around the cell networks and the
13 opportunities that can be unleashed through cell
14 phones. We've heard a lot about the penetration
15 of cell phones and the third window in India and
16 in China and in Africa, where now you can go to
17 villages and you fundamentally create a new
18 information market, and how information is
19 distributed. In the same way the story that's
20 been untold in the United States is as you look at
21 schools and as you look at literacy and some of
22 the challenges there, one of the most common

1 factors we find is a lot of the people actually
2 have cell phones and one of the primary means of
3 communications is actually still through text
4 messaging, and really figuring out how can we tap
5 into that space. How do we look at the cell
6 networks and communications there and figure out
7 in what context do we think about democracy and
8 the cell phone itself and not just broadband and
9 the second window?

10 MR. RICHARD: Kristen, one of the
11 challenges we found in our community was that
12 families of low income, typically a single mom,
13 might get, but not always, that if her kids
14 weren't online and capable of being able to have
15 the skills of producing a video to communicate,
16 have the skills of being what I would call video
17 literacy, and being able to understand how they
18 could access services, that they would have a
19 difficult time being as successful as their peers.
20 So we set up a program which was a mentoring
21 program online. And we said let's get 100 retired
22 school teachers and others who live in the

1 suburbs, who might not want to come down to the
2 Urban League storefront computer center or the
3 local branch library in the urban core, but if we
4 could connect that significant learner with that
5 kid of some inspiration and aspiration, but maybe
6 no English being spoken at home, and we could
7 create an online mentoring, a virtual mentoring.

8 Could that accelerate the pace of
9 educational attainment and literacy for that young
10 person? We got mixed results. We need to work on
11 it more.

12 I envision, my hope is that maybe this
13 broadband plan of the President, already with
14 roots in community organizing, will think of an
15 AmeriCorps, a Teach for America, that's a group of
16 young people who are trained or encore
17 entrepreneurs, people in my age group who are
18 looking to get back into civic engagement or
19 public service, that will go door to door working
20 with families. Think of this as a technology
21 Tupperware party. Think of this as an opportunity
22 to reach out at the grassroots and show a person

1 how their life can be better. They can save
2 energy. They can get connected. They can
3 communicate with relatives. They can look at
4 their medical records. They can get remote
5 diagnostics from a health care clinic. That's
6 sort of the grassroots movement that I would love
7 to have be part of that 100 cities where we test
8 out this technology sort of core, AmeriCorps,
9 volunteers that are working in every community.

10 MS. KANE: Great. Thank you.

11 MR. KUNDRA: If I can add to that, one
12 of the other things that I would encourage you to
13 consider is the game-changing nature of actually
14 deploying broadband. Because the human-computer
15 interface, for far too long we've thought about it
16 in terms of typing and interacting that way.

17 You'll be able to shatter barriers when
18 people can communicate with each other across
19 state lines, across the world without actually
20 having to worry about that interface.

21 And it's going to be powered by what you
22 do here in terms of the work.

1 MR. HUANG: Okay. I'm going to open up
2 the floor to questions from our audience here in
3 Washington, D.C. If you have a question, please
4 raise your hand. And I ask for you to state your
5 name and organization before asking your question.

6 MS. CLARY: My name is Jacqueline Clary.
7 I'm with the Minority Media and Telecom Council.
8 I have a follow-up question actually.

9 For the municipalities that have
10 difficulty connecting their low-income
11 constituents to city initiatives, if these
12 municipalities turn to broadband to get their
13 message across won't they still miss these
14 low-income constituents because the adoption rate
15 is so low? And then also, without universal
16 broadband service and adoption doesn't reliance on
17 broadband for eGovernment simply amplify the
18 voices that already have access to these
19 technologies?

20 MR. RICHARD: I think when I see a
21 community, I see so many different dimensions of
22 the community. So, for example, a person who is

1 wheelchair-bound, an individual who's blind or who
2 has hearing impairments -- and we have a very
3 substantial, increasing population that will have
4 hearing impairments -- those individuals may not
5 have the financial constraints of some of the
6 folks that you're talking about. I would envision
7 a day where when you have substantial public
8 services coming to a household. Maybe there's a
9 young person who has a father that's away in
10 prison, the probability of that young person,
11 unfortunately, moving toward that same direction
12 is very high. So how do you intervene when
13 there's already a lot of public money coming in
14 terms of assistance to that family?

15 It seems to me that just like you embed
16 textbooks and now some schools are paying for
17 computers for students of all income ranges, just
18 as we have school lunch programs, should we be
19 thinking about a national broadband policy that
20 makes available by buying down the cost of the
21 barriers to entry to those families? I think it
22 could be an astounding good investment. We don't

1 seem to have data on the payback of what you do if
2 you had subsidized access to families that are
3 already receiving thousands of dollars of support
4 by making sure that they also can do the things
5 online that they're standing in line to do or
6 waiting at the library to get a computer.

7 MS. NOVECK: Absolutely. So to that
8 point, on June 25th, the President announced a
9 90-day initiative with the United States Customs
10 and Immigration Service that we have had the
11 privilege to be a part of, which is going to use
12 the cell phone platform, going to use the
13 technology that is more ubiquitous in people's
14 hands to deliver updates about the status of
15 immigration applications, visa applications, and
16 the like via cell phone. So to the point, you
17 know, many, many more people are going to have
18 access to information that previously was never
19 available to them before because that information
20 existed, you know, in a closed box. Similarly, a
21 meeting like this that would have only been
22 available or accessible to somebody who could come

1 to Washington, that's a much higher barrier of
2 participation, by lowering the barrier of making
3 it available through a web connection, through a
4 virtual world connection.

5 And I think you're absolutely right to
6 bring it into the third window so that we're
7 creating opportunities using cell phones and other
8 less expensive technologies; we begin to lower
9 those barriers. But we are working towards
10 projects like the one the President announced from
11 the Customs Service, from the Immigration Service,
12 that will allow people to get that window into
13 government more readily and more accessibly. And
14 we do need policy to match that and projects to
15 match that that will help us to figure out how we
16 can do more of this to create openness, more
17 openness than we've had before in a rather closed
18 culture that has been, I think, less accessible
19 than it should have been to so many in our
20 population.

21 MR. LEDERER: Yeah, actually if I could
22 pick up on that. My name's Gerry Lederer. I'm

1 from Miller & Van Eaton.

2 We're a law firm here in D.C., but I'm
3 here on behalf of a number of local government
4 organizations. And Mayor, it's great as always to
5 see you.

6 I think one of the things that we'd like
7 you to ask about or think about is what are the
8 threats to the ongoing sort of communications and
9 interaction and community building that local
10 governments have? It's terrific that a lot of
11 people are seeing this on the web, but for years a
12 lot of people saw meetings just like this on
13 public, educational, and governmental access
14 channels. Now, they didn't have the ability to
15 interact instantaneously the way the folks can
16 e-mail today, but a lot of those are disappearing
17 and they're disappearing because laws are
18 changing. Laws are changing allegedly to enhance
19 the deployment of broadband, which we're not
20 seeing.

21 So, again, as you're doing your list and
22 your first question to the mayor was what could

1 other mayors do, well, an awful lot of mayors are
2 doing this on a daily basis.

3 They're doing it for their needs
4 assessment and their cable franchising. They're
5 doing it with their public, education, and
6 governmental access channels. Please recognize
7 and identify some of those threats as they go away
8 because they are.

9 MR. HUANG: Okay, thank you. A two-part
10 question from our online audience, from Second
11 Life.

12 One, what is the most vigorous example
13 of crowd sourcing, reaching out to the public,
14 that's currently going on within the federal
15 government?

16 And two, a lot of data is being
17 generated. What are the best examples of the
18 public actually interacting with this data?

19 MR. KUNDRA: So on the -- well, from my
20 perspective, of course, we're seeing a huge
21 impact, I would say, on the IT Dashboard, where
22 it's actually moving the way the federal

1 government actually spends money. And we're
2 making decisions from a public policy perspective
3 based on real-time feedback that we're getting
4 from the public itself.

5 And the second part of that question was
6 around data. So on the data side, one of the
7 things we recognize is that we don't really know
8 which data feeds are going to lead to better
9 analysis. So what we're doing is we're trying to
10 release as much data as possible with the
11 exception, of course, of information that may be
12 classified or sensitive in nature. As a result of
13 that, we're finding a lot of innovation happening
14 out there. A lot of people are spotting patterns
15 that we hadn't seen before. I mean, just the
16 FlyOnTime.us, just looking at the airlines, we
17 have people who have come up to us and said, oh,
18 this is fascinating. We never thought this flight
19 was actually always this late, so people are
20 changing their behavior based on that.

21 But more importantly, I think, what's
22 happening is even at the local level, in the

1 District of Columbia, for example, based on where
2 you're standing, if you have an iPhone you can
3 pull up an application and you can see what the
4 closest Metro station is near you and when the
5 next train is coming in both directions real time.
6 You could also see on the same app crime near
7 where you're standing. And as you move, the data
8 gets updated. You can also see the closest bars
9 and restaurants. So you can make some really
10 interesting decisions based on real-time
11 information that you have access to. And the idea
12 here is if we can create a national grid around
13 information, that it will influence the way we act
14 in terms of moving us towards making better
15 decisions because we have access to real-time data
16 and the government has made a decision not to keep
17 that data secret, but make it public.

18 MR. HUANG: Great. We have time for one
19 final question. In the back.

20 MS. BRADLEY: Thank you. This has been
21 a great panel and I appreciate these questions.
22 My name is Lynne Bradley. I'm with the American

1 Library Association. And especially, I've heard
2 the Fort Wayne story before. You have some great
3 library people there to work with you.

4 One of the questions I have is that
5 while we're building out broadband we've talked a
6 lot about literacy, and certainly the library
7 community is one of the major areas, along with
8 other kinds of anchor institutions, to provide
9 such literacy: On information literacy, video
10 literacy, all of this ability to find and use
11 information. Within a National Broadband Plan how
12 would you deal with the human infrastructure that
13 needs to be developed to assure that there is
14 collaboration, to assure that there are these
15 silos that are broken -- that the silos are broken
16 down?

17 Our research shows that where there has
18 been successful broadband, it's where there has
19 been quality leadership with lots of
20 collaboration. As the mayor said, you know,
21 convene, connect, and, you know, collaborate. But
22 there's this human infrastructure that we still

1 have some -- until us Baby Boomers die off or
2 something, how would you address those human
3 infrastructures, both the engineers, the leaders,
4 the others who have to do this? And should that
5 be at the local or the national level?

6 MS. NOVECK: Well, first, let me say
7 that part of the purpose of this is not only to
8 ask questions, but to offer comments. And so I'm
9 going to take this also as a wonderful injunction
10 and comment to go back and think about what I
11 think is a very hard issue for what this means in
12 terms of the way we think about our institutions.
13 And that tends to be the way that I approach this
14 issue is to think about the work that we're doing
15 as being engaged in institutional innovation. So
16 where we can lower the barriers and the way we
17 make decisions to foster collaboration, to
18 encourage collaboration, we change the way that
19 people work together and we create new mechanisms
20 for people to collaborate.

21 This is -- the example, it's funny,
22 that's popped into my head is very much to left

1 field, but it was responsive to another question
2 before. It was about a kid that I know named Sam,
3 and Sam lives in Illinois. And Sam and his
4 classmates got together using their flip video
5 cameras, which I see going around the room today,
6 and they decided to collaboratively film an expose
7 on their teacher whom they felt was being unfair
8 to them in some particular manner, in whatever
9 ways in 3rd grade the teacher oppresses you. And
10 so they adopted this -- they did this on their own
11 of recognizing the ways in which they could
12 collaborate to change the institution in which
13 they operated as eight-year-olds. But there's a
14 way in which we as those who run these
15 institutions or who have power in these
16 institutions need to embrace these kinds of
17 collaborative ways of working, to encourage the
18 Sams and his teammates and classmates to work
19 together on making those video projects, to set up
20 the Wikis that enable people to make policy
21 together, to crowd source information about H1N1.

22 And the institutions that are spurring

1 those, whether it's the libraries or the next
2 generation media companies, online, offline, or
3 otherwise, or it's government institutions playing
4 catch-up to much of this work that's being done, I
5 think all we can do is take your question really
6 as an injunction to say we do need to do more of
7 this.

8 As we talk about and think about
9 innovation and what our innovation policy looks
10 like, first on our list is always about human
11 capital and investing in people not only through
12 traditional thinking about investing in grants and
13 in a research perspective, but thinking about how
14 do we train people for 21st century jobs. And
15 that means not just technical skills, but
16 collaboration skills of the kind that you're
17 talking about. New ways of working and,
18 therefore, new institutions that know how to
19 respond to them.

20 MR. KUNDRA: And if I can add to that,
21 you know, I think one of the biggest problems we
22 see right now is the fact that so much of what we

1 do online actually requires training. And I think
2 where you're going to see the greatest innovation
3 in the coming decade is going to be around the
4 human-computer interface.

5 And think about this. I know there are
6 people on Second Life right now, but imagine a
7 universe where you had the Star Trek holodeck,
8 where you could literally ask the computer to act
9 or ask questions and get answers. In the same
10 way, if you look at some of these software
11 companies, they've made it so complicated to
12 interact with their technologies and, at the same
13 time, the underlying architecture and the
14 platforms.

15 It's almost a chicken-and-egg question
16 because a lot of it was built and architected
17 around bandwidth constraints. Therefore, you had
18 to deploy technologies that were much more
19 complicated in terms of interacting and
20 communicating. Now, as broadband deployment and,
21 more importantly, if you look at the megabits per
22 second, how much information can we get through

1 the pipeline is going to be so important. And as
2 newer and newer software technologies are being
3 introduced, you're going to see a huge change from
4 how applications are architected with skip logic
5 to video and much more human ways of interacting
6 with these applications rather than binary or
7 COBOL ways of interacting with those applications.

8 MR. HUANG: Great. Well, thank you.
9 Please join me in thanking Beth, Graham, and
10 Vivek.

11 (Applause)

12 MR. HUANG: Okay. Well, thank you. I'd
13 like to welcome you back to our second panel,
14 which is a panel on civic engagement. We have
15 five distinguished speakers here: Norm Ornstein
16 from the American Enterprise Institute for Public
17 Policy Research; Andrew Rasiej from the Personal
18 Democracy Forum; Ellen Goodman from the Rutgers
19 School of Law; John Wonderlich from the Sunlight
20 Foundation; and Beth White from the Chicago 2016
21 Organizing Committee.

22 We'll hear 5-minute presentations from

1 each of our panelists, followed by 20 minutes of
2 Q&A from our FCC panel.

3 And at the conclusion, we'll open it up
4 to the public for 15 minutes of Q&A.

5 So with that, I'll turn the floor over
6 to you, Norm.

7 MR. ORNSTEIN: Okay. Thanks, Eugene.
8 And let me thank Blair, Julius, and all of you for
9 what you're doing, which I think really does take
10 on the importance of a top national priority.

11 Just for a second, some of the earlier
12 discussion, everything in this society, from our
13 discourse to our commerce, is going to be done
14 through the vehicle of broadband as we move ahead.
15 And if we move to a society of haves and have-nots
16 in that regard, a deep divide, it simply is not
17 appropriate for a functioning democracy or for a
18 vibrant economy. So moving to universal
19 broadband, I think, is critical at so many levels.

20 My initial comments, I want to focus on
21 a couple of things. One is the public square.
22 The second is the campaign finance system we have

1 or can move to.

2 On the public square, let me just start
3 by giving my definition because I think it's a
4 multiple one. Having a public square means having
5 a viable forum where citizens can learn about a
6 government, about what government is doing, about
7 how government interacts with them. It is a place
8 for citizens to communicate with government, and
9 that includes communicating ideas.

10 One of the great virtues of the
11 Obama-Coburn reform, which Senator Obama and his
12 colleague Tom Coburn did when he was back in the
13 Senate, of putting all government contracts online
14 is that you can move beyond the small number of
15 experts in Congress and in government who can
16 examine these things and see if there are corrupt
17 elements or problems, to unleash the large number
18 of people out there who may have more time,
19 opportunity, and brain power and innovative
20 capacity to do those things. Putting all earmarks
21 online is another way of doing this. It's also,
22 of course, a way for citizens to air their

1 grievances in a much better and broader fashion
2 than others that we have and to give their
3 opinions and to enable those in government to
4 learn what citizens are thinking and feeling.

5 At the same time, having a public square
6 means having a forum for robust debate in a common
7 space with shared facts. And that is a debate
8 about issues, one that we should be having in a
9 more robust fashion with shared facts than we are
10 now on health reform, for example. As it is, the
11 forum for debate in a common space on the
12 campaigns that we have.

13 It is a real challenge to find a public
14 square in an extended republic. It always has
15 been. It's something we have managed to do
16 effectively in town meetings at the local level.
17 Doing it on a national level is difficult. It's
18 tricky. It's something that was easier when we
19 had three broadcast channels and virtually
20 everybody in the society tuned into them. It
21 becomes much more difficult when you have a
22 cacophonous system with fragmented areas of

1 communication. And that cacophony and
2 fragmentation in some ways, of course, is extended
3 to almost an infinite level with the Internet, but
4 it also offers us multiple opportunities for
5 finding ways to develop a public square.

6 What it means is that as we look for
7 those innovative ways of developing a public
8 square, ways in which people can participate, can
9 learn about ideas, can see that debate and have it
10 enrich the process, the process of deliberation
11 that is what our whole democracy, the Framers,
12 built around, cannot work unless everybody has
13 access to what is going to be the vehicle for the
14 public square. And that vehicle is going to occur
15 over broadband.

16 If you do not have access -- as we look
17 ahead, it's certainly the case that candidates
18 will advertise on television; that even as its
19 share of audience diminishes, broadcast television
20 remains the broadcast, it remains the place where
21 you have the greatest opportunity to reach the
22 largest number of people. But over time, more and

1 more of the communication is going to occur over
2 the other means, including especially via the
3 Internet. And if citizens don't have that access,
4 that means they're shut out of the most essential
5 elements of the public square and of that public
6 debate.

7 Now, just a few words on the second
8 area. I've been engaged in the campaign finance
9 system and campaign finance reform for a long
10 time. There is a real chance this fall with the
11 Citizens United case that the Supreme Court will
12 knock the pins out from under the basic
13 fundamental elements of our campaign funding
14 system and system of discourse that's been
15 existence for at least the last 100 years. There
16 is a significant chance that they'll basically
17 take away all restrictions on corporations from
18 participating in the campaign finance process.
19 And we will be back not just to square one, but to
20 a brave new world, and it's not clear where we're
21 going. In any event, even if the Court doesn't do
22 this, they are chipping away fairly steadily at

1 the system that exists.

2 I've been spending a good deal of time
3 with some of my colleagues in the last several
4 months trying to look towards the next generation
5 of campaign finance reform. What can we do that
6 will fit within Supreme Court restrictions -- this
7 Supreme Court, not just a future Supreme Court --
8 but that can also lead to a better system, one
9 that has much larger citizen participation, that
10 tilts away from large donors? Large donors being
11 a problem not just because they have inordinate
12 impact on political figures, but because, frankly,
13 we've got a shakedown scheme that's been going on
14 for a long time. The arrow goes in both
15 directions.

16 I and my colleagues have come to the
17 conclusion that the Obama campaign in 2008 offers
18 the ideas and the opening for what we could have
19 in the future. And it is a system that for the
20 first time in decades offers an opportunity to
21 find the fundamental financing coming through the
22 large group of small donors. Doing that in the

1 past 30 or 40 years was almost impossible because
2 it simply wasn't cost-effective. I've had member
3 of Congress after member of Congress, candidate
4 after candidate tell me I'd love to go back to the
5 \$25 a head barbecues, the retail campaigning. You
6 bring in large numbers of people and then they
7 have a stake in the system. If I could break even
8 I would do it, but it costs too much. Now with
9 communicating over the web and contributing over
10 the web that possibility exists and the reality
11 existed in 2008 at one level. Not every candidate
12 is a Barack Obama.

13 By offering incentives for candidates to
14 raise that kind of money through a robust matching
15 fund system, incentives for citizens to give
16 through tax credits, which some states, like my
17 own Minnesota, have done very effectively, we have
18 a real chance to tilt the system dramatically and
19 to expand dramatically the number of people who
20 give even small amounts. And we know from data
21 and experience that if you give even \$5, just as
22 you do with an NCAA Final Four pool, you have a

1 stake in the system, you pay more attention, you
2 get more involved. That is doable, but it is only
3 doable in a way that will make sense for our
4 democracy if everybody has access to that system.
5 And what Barack Obama did was not just to unleash
6 a large number of small donors, but he created a
7 community. It was a social network. That
8 leveraged the expansion of donors to do something
9 more to expand democracy. If you can't
10 communicate in that fashion with the largest group
11 of people, including especially with those with
12 limited resources, then we're not going to fulfill
13 our goal of having a democracy with a campaign
14 finance system that actually works to the benefit
15 of all and not just the benefit of a few.

16 So, it is critical, I believe, to work
17 through these elements of the future of our
18 democracy, to move as rapidly and expeditiously as
19 possible to universal broadband.

20 Thank you.

21 MR. HUANG: Great. Thank you, Norm.

22 Andrew?

1 MR. RASIEJ: Thank you. In February of
2 2007, I started a bipartisan political blog
3 designed to track and analyze the way presidential
4 candidates were using the Internet and maybe more
5 importantly how the Internet was using them. Over
6 the next 21 months we observed how a newly
7 connected citizen re-engaged in political
8 discourse using young, recently developed social
9 networking tools and platforms, like Facebook,
10 MySpace, YouTube, and Flickr. We found hundreds
11 of millions of Americans friending candidates,
12 commenting on blogs, posting and tagging photos,
13 and watching YouTube videos.

14 Of all the media statistics we tracked,
15 including the millions of newly minted friends on
16 Facebook and MySpace, no statistic was more
17 telling than those associated with YouTube. There
18 were over 150 million views of political videos
19 created by the candidates themselves in their
20 quest for the Oval Office in 2008. Many of them
21 achieved the Holy Grail of the web and went viral
22 being viewed by millions of people, sometimes in a

1 matter of days or weeks.

2 However, as great as this explosion of
3 political candidate and media may have been, it
4 was dwarfed by video created by the citizens
5 themselves. In the 2008 election cycle, there
6 were over 1.3 billion views of political videos
7 created by people independent of the candidates
8 and the political parties. Many of you will
9 remember a few of these highly visible videos that
10 not only became sensations on the web, but jumped
11 to exposure on television: The Obama Girl, Yes,
12 We Can, and Dear Mr. Obama, which have achieved
13 legendary status as we look back at the massive
14 voter- generated content. But for every video
15 that got hundreds of thousands or even millions of
16 views, there were thousands more that were only
17 seen by a few thousand or a few hundred people.

18 This process of forming political
19 opinion by people communicating amongst themselves
20 is easily as old as our country's founding and
21 goes back to the oral traditions of Socrates. In
22 modern times, these conversations that would build

1 consensus would happen around a water cooler at
2 the office or around a dining table or at the
3 checkout line at a grocery store or maybe even
4 over the back fence. But in 2008, because of
5 broadband's Internet reach, these conversations
6 are now on steroids.

7 This became very clear to me about a
8 year before the election itself when my
9 82-year-old father, a self- professed frustrated
10 technophobe, asked me to come over to his house to
11 help him and my mom figure out how to send out
12 more than one e-mail out at a time. So I went
13 over to their house, looking over their shoulder
14 at the Mac that I had bought them a few months
15 before, showing them how to use their address
16 book, and I look down at the e-mail that my dad
17 was trying to send. And the subject line was
18 "Watch This," and in the text of the e-mail was a
19 simple link to a Barack Obama YouTube video,
20 actually the one on race, which many of you
21 remember.

22 Now, in a previous election cycle my

1 parents would not have picked up the phone nor
2 would they have sent letters to their friends
3 offering their political opinions or leanings.
4 They also would not have been found at campaign
5 rallies or knocking door-to-door canvassing for
6 voters. However, if they were sitting at a dinner
7 party or at some other common social gathering
8 with friends and if politics came up as a topic,
9 they certainly would have made their opinions and
10 leanings known. But here in pre-Internet, it
11 would have taken my parents months and months to
12 catch up with their friends in this way and in a
13 meaningful way, and only if the subject of
14 politics was brought up. But here they were
15 reaching 50 of their friends in one afternoon that
16 it would have taken them months to have reached
17 the old- fashioned way. Because of broadband my
18 parents have become 21st century political
19 pamphleteers and don't even know it.

20 That's the good news. The bad news is
21 that large segments of our population can't
22 participate in the connected network public

1 sphere. In my city, New York City, and similarly
2 elsewhere in the country, the average cost of
3 broadband access at home is close to \$700 a year.
4 That leaves large sections of Americans unable to
5 engage in democracy and the democratization of
6 government information necessary to inform their
7 political opinions. Critics of this point of view
8 will claim that the job of delivering information
9 about what government is doing and informing the
10 citizenry should fall to journalists working for
11 newspapers, radio, and television enterprises.

12 Well, in 1995, the New York Times Metro
13 section was on average 30 pages. It not only
14 covered local government activities and city
15 council hearings and government announcements, but
16 it also covered activities of towns and counties
17 around New York City as well. Today, the Metro
18 section no longer exists and the paper barely
19 provides more than two to four pages of local
20 coverage in its main sections. Moreover, the
21 coverage that used to appear in the paper does not
22 even appear on the New York Times site online.

1 The effort to keep track of government
2 and its activities is now falling to a new
3 generation of citizen journalists who report to
4 their fellow citizens via blogs and online news
5 sites. But if working class people cannot afford
6 to access these sites, they are again being
7 excluded from the connected 21st century
8 democracy.

9 Moreover, it's time that we redefine the
10 term "public" itself. It's no longer adequate for
11 any government law that requires that a document
12 or a piece of data be available to the public be
13 so only in a government office in a file cabinet.
14 In our connected world information can only be
15 defined if it's machine-readable, searchable, and
16 accessible online.

17 We talked a little bit in the previous
18 panel about education. Let me give you a quick
19 example of how much the digital divide has changed
20 and how it relates to our particular subject.

21 In 1997, if you looked at the
22 information technology that was available in

1 schools and businesses, they were essentially the
2 same. You had fax machines. You had Xerox
3 machines. You had telephones, and you had
4 basically glorified word processes, PCs on desks
5 that weren't networked. If you got a business
6 card from someone in 1997 that didn't have an
7 e-mail address on it, you wouldn't have been
8 surprised. And in 1997 we called it "surfing the
9 web," because there really weren't that many great
10 websites.

11 What's happened in 12 years? Oh, one
12 last thing. Jack Welch in 1997 said that the
13 Internet was a fad and wouldn't last more than
14 three years. And if you looked in the New York
15 Times you'd see a full-page ad of some Fortune 500
16 company and the website address would be in the
17 smallest possible print in the lower right-hand
18 corner of the page.

19 So what's happened in 12 years? Well,
20 every Fortune 500 company in America, if not the
21 world, has either built or is rushing to build a
22 dynamic 24-hour network where their customers,

1 suppliers, and employees are connected to each
2 other, regardless of whether they're on a laptop,
3 an iPhone, a BlackBerry, desktop, you name it. If
4 you buy a Sony digital camera case in leather and
5 press "Click to buy," the cow knows it. And if
6 you were to get a business card from someone today
7 that didn't have an e-mail address on it, they
8 either are a true Luddite or they did it on
9 purpose.

10 Where are we in schools? We spend
11 massive amounts of time talking about wiring
12 schools, but let me give you this small statistic:
13 Schools are only open physically 15 percent of all
14 the time in the year if you add it up. What
15 productive activity in the 21st century could be
16 successful being accessible only 15 percent of the
17 time? Imagine if we were able to connect our
18 students, our teachers, and community leaders to
19 each other and to all the world's information and
20 learning resources on the same 24-hour dynamic
21 networks that our businesses have figured out how
22 to do in 12 years.

1 And lastly, I'd just like to quickly
2 make a comment about health care. I invested in a
3 small company in Poland that figured out how to
4 read EKGs by connecting two electrodes to people's
5 chests and sending that signal through a small
6 BlackBerry device sitting on a person's belt to
7 their doctor or hospital. I'd like to ask the
8 audience how many of you think that within 10
9 years it's going to be possible for us to actually
10 monitor people's hearts 24/7 to prevent people
11 from dying of heart attacks or to bring them
12 health care quickly in the event of an emergency?
13 Just a show of hands, within 10 years more than 50
14 percent likelihood.

15 So, more than half the room agrees, we
16 have to rush to deliver that future not only for
17 the health care of those people, but for the
18 health care of our country and our democracy.

19 Thank you.

20 MR. HUANG: Thank you, Andrew. Ellen
21 Goodman from Rutgers School of Law. Ellen, the
22 floor is yours.

1 MS. GOODMAN: Forty-two years ago, the
2 Public Broadcasting System was created to innovate
3 with the communications technology that was not
4 realizing its potential for democratic engagement
5 and universal service. The system was structured
6 to be local and community-oriented, to reach and
7 to reach out to underserved communities to provide
8 access to information and communications
9 infrastructure, and to engage publics with
10 information and tools that would matter in their
11 lives. But 20th century broadcast technology
12 could only do so much. Now with 21st century
13 technology public media has the possibility of
14 fulfilling the vision of the Great Society. For
15 this we need broadband to allow all communities to
16 experience the power and productive capacity of
17 stories and information; to proactively engage the
18 public, especially kids, minorities, and the
19 underserved in the conversations of our time; and
20 to support the production of information by
21 amateurs and the public.

22 Public media and broadband need each

1 other to fulfill the three basic functions of
2 public service media, and here I have three
3 different Cs than Mayor Richard -- two-thirds are
4 the same, though -- one-third are the same: To
5 create, to curate, and to connect. And I just
6 want to illustrate these functions very
7 selectively to show how technology can invigorate
8 and actualize the public in public media.

9 When we talk about creating for the
10 broadband future and public media, it's not just
11 about streaming Sesame Street or talking back to
12 Frontline. Public media entities must rethink
13 public service content needs and applications for
14 a digitally networked environment. One of the
15 highest priorities is addressing the loss of
16 journalistic resources as papers close.

17 NPR is joining with a dozen public TV
18 and radio stations and the NewsHour to pilot a
19 project to strengthen local news reporting and
20 web-first news operations. This and other news
21 efforts create tools at the front and back ends to
22 facilitate production, search, and public reuse

1 online. They also harness citizen journalism, for
2 example, *Eye Witness*, which is hosted online by
3 the PBS series *Frontline*, is a program that
4 combines webcams and Skype to enable citizens and
5 experts on the ground to report on breaking news.
6 So we might see one of Sam's videos on there.

7 Public media has also always excelled in
8 producing long-form documentaries that safeguard
9 and foster democratic practices. Producers are
10 increasingly linking these works to collective
11 action. An example is "Not in Our Town," which is
12 a documentary that was first broadcast a decade
13 ago about how residents in Billings, Montana,
14 created a community initiative to combat local
15 hate crimes. This model of citizen action
16 inspired more Not in Our Town films over the next
17 10 years and a nationwide movement. And in 2007,
18 leaders from more than 50 towns and cities
19 gathered to create a national organization and
20 social networking site. So, with this you can see
21 how the original production and outreach became
22 the connective tissue in ensuring -- in the

1 ensuing action and communication.

2 An increasingly important role for
3 public media is to curate public audio and video
4 residing across platforms and buried in archives
5 as well as other professional and amateur digital
6 works. The objective is to bring people to
7 information and information to people. It's here
8 especially that the trust reposed in public media
9 entities like NPR, PBS, and their member stations
10 becomes an invaluable asset.

11 A good example is the Public Radio
12 Exchange. Using an open platform, PRX brings
13 local stations in search of content to new content
14 creators and digitally distributes content through
15 its public radio player on both open platforms,
16 through streaming and podcasting, and closed
17 platforms, like the iPhone app. The content is
18 rated and curated both by the public and by an
19 editorial staff, in both cases helping to surface
20 new talent. PRX currently indexes over 20,000
21 works, most of which can be clipped, mashed up,
22 and remixed by the public. We need the same kind

1 of innovation for video, and here it won't be
2 truly public or meaningfully public without
3 broadband.

4 Public stations are moving from being
5 principally media entities to becoming community
6 hubs that use information, communications
7 infrastructure, and physical plants to foster
8 citizen engagement with each other and within
9 information that makes a difference in their
10 lives. These hubs connect technology to
11 expression to action. Their effect is to grow the
12 public media audience as well as the appetite for
13 broadband and the sense an underserved populations
14 especially that there is something for them and
15 forms of expression that they can contribute in
16 the digital media space.

17 To really link communications to action
18 requires training a new cadre of media makers.
19 Several nonprofit programs outfit independent,
20 minority, and public media makers with skills in
21 multimedia production, including the National
22 Black Programming Consortium's New Media

1 Institute, which has activated hundreds of new
2 voices.

3 The new engagement model of public media
4 is exemplified in St. Louis. The public station
5 there, KETC, responded to the mortgage crisis by
6 networking dozens of independent community
7 organizations to help families save their homes
8 from foreclosure. It connected the community to
9 United Way hotlines and also connected the
10 community to content about managing debt and
11 financial literacy. In six months, the initiative
12 helped over 8,200 families.

13 So what's next? Public media has big
14 plans, all of which are dependent on and will
15 contribute to robust broadband. If there is a
16 sustained investment and the development of
17 scalable models, public media can catalyze
18 innovation and ensure that people have access to
19 vital information and the tools to communicate
20 effectively with others.

21 And I just want to mention here because
22 the mayor talked about an AmeriCorps, there is a

1 proposal out there that is modeled on Teach for
2 America, which is to have a public media corps
3 which would go into communities, maybe 100 -- I
4 think the proposal is for about 15 or 20 -- and
5 would not only go into underserved communities and
6 provide assistance with technological literacy,
7 but would also reach out to the technology
8 gatekeepers and the leaders in these communities
9 -- for example, child care providers, caregivers
10 for the elderly, educators, citizen journalists --
11 and equip them with not only the technology, but
12 also the audiovisual know-how to connect these
13 communities to the possibilities of broadband and
14 meaningful content.

15 Fulfilling the promise of public media
16 will require many changes and advances, chief
17 among these is better broadband. Just as the
18 original Public Broadcasting System was premised
19 on universal broadcast service in every town and
20 across every rural expanse, so, too, the new
21 public media system will require universal
22 broadband. And just as broadcast towers without

1 content and the capacity to engage would have been
2 insufficient, so will a broadband system without
3 the mindful, mission-oriented efforts of public
4 media entities to create, curate, and connect.

5 Just to take one example, science
6 education could move to a new level with access to
7 HD videoconferencing and immersive interactive
8 databases, for example, databases of molecules or
9 the cosmos that reside at America's leading
10 research universities. So we can imagine students
11 conferencing with NASA experts and collaborating
12 with other classrooms across the country. We can
13 do this now if schools have the necessary
14 bandwidth. Jitter-free, HD videoconferencing
15 requires 100 megabits, megabit-stable connections,
16 and access for multiple classrooms of about 20
17 students to the science curriculum of NOVA, for
18 example, or Frontline's documentary resources, all
19 of which are multiplying rapidly in terms of
20 serving curricular needs. Requires nearly a
21 gigabit of bandwidth.

22 Public media applications and content

1 properly developed and deployed can capitalize on
2 the multibillion-dollar investment we've already
3 made in public media infrastructure and content,
4 and they can leverage the multibillion-dollar
5 investment we're now making in broadband to
6 strengthen democratic engagement and quality of
7 life.

8 Thank you.

9 MR. HUANG: Thank you, Ellen. We next
10 turn to John Wonderlich from the Sunlight
11 Foundation.

12 MR. WONDERLICH: Thank you. My name's
13 John Wonderlich. I am the policy director for the
14 Sunlight Foundation. We are a non-partisan,
15 nonprofit dedicated to using the power of the
16 Internet to catalyze greater government
17 transparency. At the heart of all of our work is
18 a deep appreciation for the transformational power
19 of online technology. Our pairing technology with
20 a vision for government transparency is visible in
21 our organization, which digitizes data and creates
22 tools for presenting information, engages

1 communities and advocacy for more information, and
2 makes tools and information -- makes sure that
3 tools and information are in the hands of
4 journalists, citizens, government employees, and
5 everyone in between.

6 Technology's role as the driver of
7 disruptive change has become culturally familiar
8 as our roles as consumers, family members, and
9 businesspeople have evolved over the last few
10 decades. The Internet's role in shaping
11 governance and citizenship, however, is only just
12 starting to develop. As technology redefines how
13 we interact, our government now has an opportunity
14 to help redefine civic life to live up to
15 President Obama's vision for a technologically
16 empowered society by creating a more transparent,
17 connected democracy.

18 I'd like to point out two primary
19 constraints that will determine just how connected
20 and transparent government can become as we adjust
21 to this new technology. First, digital
22 citizenship will only be available to those

1 Americans who have access to the tools and
2 infrastructure necessary to be a part of the
3 growing national digital sphere. And as the FCC
4 addresses its mandate to promote access, broadband
5 policy should be driven, in part, by what the
6 Internet access makes possible.

7 Digital technology creates new forms of
8 agency for all citizens. Online access to
9 government information allows curiosity to become
10 expertise, allows disparities to become
11 investigations, and allows expertise to become
12 guidance and policy. Citizenship can only
13 transform into a more mature and relevant form,
14 fulfilling the potential of a nationally connected
15 citizenry, when the government is willing to make
16 our vital national information truly public, and
17 that means online and in real time.

18 Most fundamentally, government must
19 commit to modernized disclosure of ethics and
20 influence data. Among government's primary
21 responsibilities is to preserve the public trust
22 on which its built. The Sunlight Foundation has

1 maintained a particular focus on creating digital
2 access to this information, which includes
3 campaign contributions, earmarks, lobbying
4 records, and personal financial disclosure
5 statements. President Obama clearly shares this
6 priority, promising, for example, in Change We Can
7 Believe In to build a centralized online database
8 of lobbying reports, tax earmarks, congressional
9 ethics records, campaign finance filings, and
10 information on how much federal contractors spend
11 on lobbying.

12 If fulfilled, this vision for online
13 accountability can deepen the public trust in
14 government and empower citizens and government
15 overseers alike in exposing and deterring public
16 corruption. Ethics.gov, when created, will need
17 to be built on new interoperable databases to
18 allow searches to function across different bodies
19 of ethics information, many of which will only be
20 posted online after a real commitment to public
21 access is able to overcome discomfort at increased
22 scrutiny.

1 In addition to checking influence and
2 realigning incentives, public attention to
3 government information can empower citizens to
4 become more relevant participants in governance.
5 If essential public notifications are accessed in
6 practice as they are now, often only through
7 expensive commercial publishers, even for
8 government employees, we should expect then that
9 only monied interests will have the information
10 necessary for participation. When agencies and
11 offices broadcast opportunities for public
12 participation beyond traditional means, only then
13 will the distributed expertise of citizens across
14 the country become an asset for governance.
15 Solving this problem will take effort from
16 individual agencies and offices reaching out to
17 citizens and stakeholders where they're available,
18 and also will take unlocking the public
19 information now collected in unapproachable
20 repositories, like the Federal Register or
21 FedBizOpps.

22 In order to unlock citizens' fuller

1 digital potential, the government must also
2 recognize an emergent body of technological
3 expertise growing throughout the country.
4 Programmers, web developers and designers, both
5 amateur and professional, are discovering that
6 their skills are now relevant to many of our
7 government's problems and are looking for ways to
8 help. Data.gov helps to establish their relevance
9 as stewards of our national digital sphere by
10 offering the raw data necessary for innovation
11 outside government, which in turn can inspire
12 change within government. The successful Apps for
13 America and Apps for Democracy contest, just to
14 name two, demonstrate the potential of the citizen
15 developer creating dozens of applications at
16 little or no cost to the government.

17 So, influence data, procedural
18 information, and bulk data access can all help
19 empower citizens to more fully participate in
20 governance. These three particular spheres of
21 public information represent a large part of our
22 government's new opportunity and new

1 responsibility to serve the needs of a digitally
2 empowered citizenry. Just as successful national
3 broadband policy is necessary to fulfill our
4 shared vision for a transparent and connected
5 democracy, government transparency is necessary to
6 allow digital citizenship to develop to its full
7 potential.

8 Thanks.

9 MR. HUANG: Great. Thank you, John.
10 Beth White from the Chicago 2016 Organizing
11 Committee.

12 MS. WHITE: Andrew actually reminded me
13 of kind of an amusing anecdote along the same
14 lines. But when I started to work at Salt Lake
15 City, I worked on the Winter Games in 2002, and I
16 went to leave one evening and my boss was online
17 and I told him I was leaving, and he said, oh, you
18 caught me doing my guilty pleasure now that I can
19 find things on the Internet. He grew up in a
20 place called Pleasant Hill, Oregon, which is a
21 little town. And he said I can get online and I
22 can read my hometown newspaper and I'm so excited.

1 And he said I bet you can get online and read your
2 hometown newspaper. And I said I bet I can, it's
3 called the Washington Post. So, I beat him to
4 that one slightly.

5 One of the things that we are trying to
6 do in Chicago obviously is bring the Games. And
7 to use D.C.-speak, it's an election. And, you
8 know, we've got a message, which is we need people
9 to back the bid. And we're trying to communicate
10 to 108 voters of the IOC. And to do that, looking
11 at what is the best medium to kind of best
12 communicate with them as well as the citizens of
13 Chicago to educate them on what it is -- our bid
14 is about and what we're trying to do in this --
15 what we believe could be a transformative
16 experience for the city.

17 The couple things that we're trying to
18 do is we're trying to raise money for the bid.
19 We're trying to show that we're innovative and
20 creative. And we're also trying to reach and
21 engage youth.

22 It's one of the things, interestingly,

1 with technology is that the games are turning
2 slowly away from a younger audience. So being
3 able to bring technology back into it re-engages
4 with a younger audience for the Olympics.

5 But we also didn't want to -- you know,
6 we're not a corporation that has a tremendous
7 amount of money to put into this and a long-term
8 life cycle. We're a bid team. You know, we're an
9 election group. And so, you know, it was where --
10 how can we do this in the most fiscally
11 responsible way? And so it was -- you know, we
12 need to go where people already are. We can't
13 create those places; we need to go and we need to
14 find them. Obviously our audience is Chicago and
15 people who are, you know, national patriots
16 excited about the Games, torch bearers we call
17 that, people who are excited about the Olympics
18 and as well as youth.

19 And then secondary to the IOC athletes,
20 volunteers. Interestingly, we've -- volunteers,
21 we've used this to sign up over 20,000 volunteers
22 and they're also now able to get online to check

1 their hours, to kind of find out other events that
2 are coming up. And as an interesting offshoot to
3 that, I'm also involved with a program we're doing
4 called "50 Wards in 50 Days" leading up to the
5 election, where we're going out to all the wards
6 in Chicago and talking to them about the bid. And
7 one of the number one things they're concerned
8 about is jobs. And so this whole discussion of
9 transparency in government is very important to
10 them as well, and transparency in our bid, because
11 if the Games come to Chicago, it means a lot of
12 opportunities. And how can we be transparent in
13 how those will be doled out in different
14 communities?

15 And our programs are, you know, through
16 a community benefits agreement. It's one of the
17 things, they're all posted on the website. And
18 we've seen, too, in speaking to those groups how
19 when we say it's available to them there, the
20 anxiety level even goes down that, oh, okay, I can
21 get on and I can read it at my leisure and I can
22 find out about it. So that connectivity is

1 important to them.

2 And really we've come at it in a
3 three-prong approach: To engage, to empower, and
4 to activate. I feel bad now I don't have Cs in
5 mine. I'm kind of out of it, but really,
6 engaging, you know, that existing supporter and
7 looking at ongoing social monitoring and listening
8 sites. The biggest key really is that, you know,
9 right now, through that we've been able to kind of
10 target that, you know, 1.2 million supporters who
11 are connected with us and to reach out for them
12 when we need them through a number of different
13 activities.

14 And then really, you know, empowering
15 them, making them part of the process and helping
16 them build our content.

17 We have video contests. You know, we
18 talked about -- talked a number of times here
19 about YouTube and we've put together a program
20 called Why Chicago? And people put together their
21 own videos of why they felt Chicago was a great
22 city to host the Olympics. And just enabling them

1 to be part of the process that is reaching out to
2 the IOC and selling their city and really
3 including them in that.

4 And then also, too, to activate them.
5 You know, we had a National Olympic Day in May,
6 and I think it was like 1,500 people came the year
7 before. And through Twitter posts, blogs, e-mail,
8 and Facebook postings we rallied 20,000 people to
9 a celebration at North Avenue Beach, which was
10 astounding.

11 We also have a new application that
12 we're working on called Sport Finder, where
13 somebody can get on -- a volunteer or somebody
14 who's plugged in on the Friends of Facebook and
15 say I want to play beach volleyball at North
16 Avenue Beach Wednesday at 6 o'clock. Who else
17 wants to come?

18 And so by laying that on to the other
19 activities that are going on, too, we can help
20 them connect, find activities, find each other on
21 these sites and keep them engaged in what it is
22 we're doing.

1 We actually have another program, too,
2 that we're working on with -- it's called World
3 Sport Chicago. And it is trying to engage youth
4 in programs in the city paired with the Park
5 District and private funding that the bid is
6 bringing. And one of the things we have
7 challenges with is that a lot of these kids are in
8 areas that they can't safely get to these
9 programs. So one of the things we're looking at
10 is this application is in the same way to get
11 people to drive kids to these sites, you know, to
12 get volunteers or even off-duty police officers
13 to be bringing them to and from some of these
14 sites so they can remain engaged in activities.

15 And this is we're not a consumer site,
16 so our numbers aren't as large, but you can see
17 the biggest thing, too, is how much larger we are
18 than our competitors. A few folks were asking,
19 you know, what the status of our bid is. It is we
20 are competing against Rio de Janeiro, Madrid, and
21 Tokyo, and that vote is October 2nd. So, you
22 know, where we can get ahead of them on things, it

1 certainly makes us happy to do that. But the most
2 important thing is obviously the vote on that day.
3 But, you know, we've got 30 times more activity
4 than you're seeing on some other sites, so we've
5 really tried to have that be a forward part of our
6 bid.

7 The other one, too, is being able to
8 engage them when we need them. The IOC's
9 Evaluation Commission came in to see the city.
10 Now, because of the new organization, the IOC, all
11 the members don't come to your city. An
12 Evaluation Committee comes and it's about 16
13 people. They spend three days in meetings and one
14 day of venue tours. So that one day when they're
15 outside of the city, you really want them to see
16 that people are supporting the bid.

17 And, you know, we went through our
18 Facebook page and asked fans to help us out. It
19 grew 50 percent in that week. And we used all the
20 networking sites to get them to places where the
21 bus was going, so that fans were there with Back
22 the Bid posters and signs. And actually there

1 were people live going on and saying I think
2 there's protestors at North Avenue Beach, and the
3 whole group would run over to the other section so
4 that they could swarm the protestors and have more
5 supporters then. And there really only were about
6 two or three; one angry guy with a golf club. I
7 don't know what he was talking about.

8 But, again, you know, some of the
9 metrics of what we're doing. We have a lot, you
10 know, certainly see the numbers, so much more than
11 the other cities that are there. And I think,
12 too, having, you know, the first and only database
13 of a, you know, big city with the numbers that we
14 have is really important for us because it enables
15 us to reach out to those people when we need them
16 and connect them back with our activities.

17 Again, first, to some of the firsts that
18 I think were pretty important. You know, the
19 first to integrate with the social media and
20 communicate; the first to have kind of our own,
21 you know, YouTube channel. And if some of you
22 have it -- I hope you don't -- if you do, you need

1 to go get it, your first iPhone application that
2 counts down the days -- and I believe we're on day
3 56 right now, which gives you also a fun fact
4 about the bid.

5 So it's really -- the other interesting
6 thing that I missed when I went back before was,
7 again, the age. If you saw the -- oh, I missed
8 it. The age of those who are following us, the
9 predominance being in that 13 really to 34 range,
10 where that's the range the IOC is looking for,
11 too. And as sports are drifting away and as kids
12 are getting into different things, you're losing
13 that connectivity to the Olympics. And to see it
14 now with what we're doing brings that connection
15 back, so.

16 Thank you.

17 MR. HUANG: Great, Beth. Thank you so
18 much and best of luck to Chicago in its bid.

19 We're going to now have some questions
20 from our FCC panel. Mary Beth, can I ask for you
21 to ask the first question?

22 MS. RICHARDS: Well, I've been thinking

1 about as we move from the physical public square
2 to a national virtual public square, and you all
3 have kind of looked back at changes that you've
4 seen over the last couple of years, over the last
5 12 years. I mean, what is the experience that you
6 -- what do you predict for the next 12 months or
7 the next couple years as -- with the use of
8 broadband and applications and things that we
9 should be thinking about as we move forward?

10 MR. ORNSTEIN: I think we're going to
11 have a fairly rocky period ahead, in part because
12 -- but I hope one that will bring some innovation.
13 People are cocooning more and more, and what we're
14 losing, it seems to me, in the public square is
15 that common set of facts around which debate can
16 emerge. We're getting people who are turning to
17 website, blogs, and cable television channels that
18 simply reinforce what they already believe or no,
19 and often things that are not true. So it's going
20 to take a while for us to move away from what I
21 think is a quite destructive discourse.

22 And what we need now is some innovation

1 that can move us back in a virtual forum and maybe
2 using a lot of these different tools. And I am
3 hoping that public broadcasting will be a very
4 significant vehicle for this that can induce
5 people to come and have an interesting experience,
6 but where we can rebuild a set of common facts
7 around which to have our arguments.

8 MR. WONDERLICH: I think the trend that
9 I would point out is that barriers are decreasing.
10 I think Vivek Kundra pointed this out this
11 morning. If you made a website in Andrew's 1997,
12 the first step would be to learn how to code in
13 HTML. And if you want to put together a blog or
14 any sort of website now, you don't have to do any
15 of that. You certainly can, but tools are being
16 made so that the interface is much, much simpler.
17 And that's happening on a couple of different
18 levels. So if you want to play with databases,
19 for example, there are tools to do that now
20 without having to learn to program in a database
21 language; or if you want to put together a
22 visualization of a spreadsheet or some dataset,

1 there are tools being developed to do that. So I
2 think that's a trend that we can recognize across
3 a lot of different spheres is that the barrier for
4 entry is being lowered.

5 MR. HUANG: Steve?

6 MR. VAN ROEKEL: Great. Thank you.
7 Ellen gave some great examples of how public
8 television can connect to an online presence. And
9 I would love to hear the panel's advice --

10 MS. GOODMAN: Call it "public media."

11 MR. VAN ROEKEL: Public media, sorry. I
12 wrote "public media" on here, I promise. I would
13 love some perspectives or examples of other best
14 practices where technology or broadband can
15 address the somewhat growing digital divide,
16 almost civic divide, that we see in the country.
17 And along with those examples, I'd love to hear if
18 you have advice for people that are maybe
19 connected to the Internet to address and engage
20 with people who are not connected on the Internet
21 in their same communities.

22 MR. RASIEJ: So in 19 -- I'm sorry,

1 2005, I ran for the job of public advocate, which
2 is the second position in the New York City
3 Government, a city-wide office, on a platform to
4 make New York City wireless. And I became known
5 as "the WiFi Guy." And the reason -- but the
6 reason I was running and the reason I was
7 promoting WiFi was not so that the kids could open
8 laptops in parks and get online and Google their
9 friends or join Facebook and cocoon, as Norm says,
10 but rather because I believe that organized
11 minorities are always more powerful than
12 disorganized majorities, whether or not they are
13 online or off.

14 And in New York City, a city council
15 hearing that might address an important funding
16 issue around health care or education or community
17 development happens on a Wednesday at 10 o'clock
18 in the morning when very few working-class people
19 are able to attend. So my vision was that the
20 Public Advocate's Office should be reinvented not
21 as a single person trying to solve the problems of
22 8 million people, but rather a network of public

1 advocates, the people who are already cleaning up
2 parks, joining community boards, mentoring in
3 schools and other places where they're already
4 being civic leaders, but aren't connected to each
5 other.

6 So, for example, if there is a single
7 mother with a child with asthma in the Bronx
8 fighting for better emergency asthma care in the
9 hospitals of the Bronx, she could connect with
10 another single mother fighting for the same thing
11 in Queens or the same thing on Staten Island. And
12 I can assure you that if 30 of them were to show
13 up at a city council hearing at 10 o'clock in the
14 morning, on a Wednesday, all the city council's
15 staff would call the city council people and tell
16 them to actually come to the hearing because
17 they're not normally expecting anybody from the
18 public to attend.

19 So -- and then you could take that even
20 one step further and maybe the city council
21 hearing itself shouldn't just happen at 10 o'clock
22 in the morning, like this one, but could happen

1 online and be available in an economy of
2 abundance, where comments or testimony can be
3 delivered not just at the time that the hearing is
4 being had or held, but rather over a period of
5 time, some reasonable period of time, where the
6 most number of voices could connect with each
7 other.

8 Sounds like a pretty good vision. Well,
9 when I went to the New York Times Editorial Board
10 to get their endorsement I had to spend 30 of my
11 45 minutes explaining to them what WiFi was. And
12 they couldn't understand how with \$1,800,000
13 budget of this Public Advocate's Office how I
14 could conceivably wire the entire city.

15 There is -- the reason I'm bringing the
16 subject up and giving you the example is just to
17 give you a vision of what the potential is, but
18 also to point out to you what the dramatic divide
19 there is in imagination between politicians who
20 still don't know what the difference between a
21 server and a waiter. And the potential of a
22 connected citizenry to reinvent democracy and

1 civic engagement, and to remove probably the most
2 damaging element in our democracy, which is
3 apathy.

4 MS. GOODMAN: Can I respond to that,
5 too? I think it raises -- and this is something
6 public media institutions are thinking about, but
7 need to do more with about how do you integrate
8 real spaces with virtual spaces with the public
9 square? How do you integrate virtual communities
10 with real communities?

11 And so just take the example of the mom
12 with the kid with asthma. So you can imagine --
13 and I think the importance of stories should not
14 be underestimated. So say we had a great -- and
15 I'm sure there is one -- a great science
16 documentary on asthma and its causes and its
17 treatments. Well, in the past, that would have
18 gone out and maybe it would be recycled in schools
19 or maybe it would have some other use, but now you
20 can imagine it's created, there are all sorts of
21 pods and modules that go out to health care
22 providers and NGOs and community groups and then

1 an activist.

2 And you can begin to use the real space
3 and public media. Public broadcast stations have
4 these spaces, right? And they're only open half
5 the time, right?

6 So you're got -- and they're beginning
7 to use these spaces to house, for example, out of
8 work journalists who now can do their stuff using
9 these abandoned offices, these empty offices.
10 They can convene the activists, the moms, and then
11 use the broadband technology to make their voices
12 heard to decision makers, policymakers, to each
13 other.

14 So those without broadband access and,
15 you know, we should -- obviously mobile is going
16 to change all of that -- can begin to fuse their
17 efforts with those with broadband access.

18 MR. ORNSTEIN: Just a couple of words.
19 I was on the PBS Board for six years and one of my
20 passions was, as we moved to the digital age, to
21 try to create two digital channels. One was a
22 public square channel, which I hope eventually we

1 will get. The other was a health channel. And my
2 vision of this was that you would have on the
3 health channel, for example, national programs
4 that would focus in some ways around, say,
5 terrible diseases, like Crohn's. And then you
6 would have local stations that would follow up
7 with their own activities in local areas; that you
8 could create virtual dialogues with patients, with
9 families to share experiences; and then hook them
10 in with specialists that they wouldn't have access
11 to otherwise to try and create a different kind of
12 structure, to give people best practices, how you
13 deal with these issues in your own families, and
14 the like.

15 On the public square it was something
16 where you might be able to create a much better
17 dialogue around health care reform at the national
18 level, then replicate it at the local level and
19 have virtual town meetings so that you could get
20 the best of the old technology -- the New England
21 town meeting -- done in a virtual frame, but
22 organized around a national platform. Those, I

1 think, are very doable things and which you can
2 merge old and new technologies, but create those
3 platforms and empower people and connect them with
4 others they might not otherwise have any contact
5 with.

6 You think about people who suddenly need
7 a kidney transplant. How do you know what to do,
8 where to go, how to go about those things? There
9 are ways we can empower people and give them
10 information and connect them to those who have
11 been through this experience before; that didn't
12 exist and now are available. It's going to take
13 some resources.

14 MR. HUANG: Thank you. Kristen?

15 MS. KANE: I have a question about
16 global pace setting in this area in general. And
17 putting aside the statistics Beth shared regarding
18 the bid, are there specific examples
19 internationally that we can look to that we should
20 be taking a serious look at in terms of the plan
21 we'll be developing models for, whether it's
22 eDemocracy, civic participation more broadly?

1 Anything come across in your work that we should
2 be focusing on?

3 MR. RASIEJ: Well, I mean, just what we
4 just witnessed with the Twittering and the posting
5 of videos from Iran should give not only everybody
6 interested in what civic engagement might mean
7 regardless of a democracy, but give all
8 totalitarian authorities pause as to what it means
9 to try to control information. Sure, there are
10 lots of problems. You can't be sure that the
11 Tweet is -- you know, the veracity of a Tweet or
12 the date or the time or the place of a video. But
13 we're clearly seeing a connected world of, you
14 know, 7 billion people where 80 to 90 percent of
15 them by the year 2012 are going to be connected to
16 cell phones. And the cell phones that they're
17 going to -- or what's called 3G phones. Because
18 by the time we get to 2012, the phones they're
19 going to have are going to make the iPhone of
20 today look like a Motorola brick from 5 years ago
21 or 10 years ago.

22 So there are -- you know, obviously

1 there are the protests in Moldavia. The people
2 are starting to figure out that they can use these
3 tools to organize themselves and to protest to
4 maintain free speech. And there's a clear need
5 for some sort of international accord on the right
6 to connect, the freedom to connect, and the
7 freedom to be able to share information with
8 others in privacy related to free speech that are
9 going beyond our borders.

10 So what you may -- what we can pretty
11 much predict with some certainty now is that
12 borders and nation states are going to start being
13 thought of differently, mainly as the places where
14 we keep the guns and the soldiers. And the
15 citizens are going to start connecting with each
16 other and we're going to see an age of 21st
17 century diplomacy, citizen- to-citizen diplomacy,
18 where we go from P to P, to P to P to G, and G
19 being government.

20 MR. HUANG: John?

21 MR. WONDERLICH: In the context of IT in
22 legislatures, there's a very strong example in the

1 Global Center for ICT in Parliaments, which is
2 co-organized out of the United Nations. And they,
3 I think, provide a great example where sometimes
4 countries in Africa or countries that are still
5 developing have a stronger or more transparent
6 legislature because they don't have to fight
7 against entrenched interests or to reinvent legacy
8 systems that they've already invested in. So I
9 think that's one context where you can see really
10 strong coordination and sharing of best practices
11 and a rigorous study of exactly what is necessary
12 to make a legislature transparent and enabled
13 through they would call it ICT.

14 MR. HUANG: We have a question for you,
15 John, and this probably also applies to you, Beth,
16 as well, from our online audience, Walter Neary
17 from Lakewood, Washington. The question is what
18 two or three specific steps would you recommend
19 that the average person take to help drive a more
20 engaged government? And what specific steps
21 should the citizen take now?

22 MR. WONDERLICH: Well, I would say one

1 of the first ones is to find out what's going on
2 near you and to understand who your
3 representatives are and what the different levels
4 of government are around you, to engage in that.
5 And then the first question, to me, one should
6 always ask yourself when becoming involved is what
7 is knowable in this space? I think that's one of
8 the most powerful things you can do to begin with
9 is to say what can I know about here, because that
10 information is what allows you to be an actor.

11 And then beyond that, other things I
12 would say, the other big thing is to become
13 technologically competent and to experiment online
14 and to engage in communities. And I think for a
15 lot of people for jumping in and making a first
16 blog post or commenting or e-mailing a letter to
17 the editor for the first time, that's very
18 uncomfortable for people at first. But after
19 diving in and starting to do it, it becomes
20 addictive. It can be very empowering. So I would
21 say experimenting with civic activism online
22 generally, and feeling like it's okay to make

1 mistakes, would be the other piece of advice.

2 MS. WHITE: And I would just say, to
3 echo, I think, the comments we heard before from
4 the mayor, you know, there was -- it's finding
5 out, you know, what's out there. As we were doing
6 these meetings through, you know, Chicago and
7 working with these people, each one of these
8 aldermen's office -- often the constituency is
9 unaware of the things that are available. And I
10 think as we're seeing -- the programs we talked
11 about earlier this morning where things are
12 becoming easier to follow, easier to find, and a
13 little more user-friendly in that dashboard mode
14 of being able to look things up, we've done the
15 same thing with our site. You know, we have --
16 you know, trying not to bury things, trying to
17 make them easy to find and so they know what it
18 is. As you said, it's knowable what they're
19 looking for and asking for it.

20 I think that's the other thing, too, is
21 asking your elected officials for that and talking
22 to them. These old (off mike) meetings that we've

1 been going through and meeting with these folks,
2 that they're there and they're taking those notes
3 and they want to hear what it is people are
4 looking for in their government.

5 MR. HUANG: Great. Thank you. I'm
6 going to open it up -- the floor to our audience
7 here in Washington, if there are any questions.

8 MR. RASIEJ: We solved the problem.

9 MS. KANE: I have another question.

10 MR. HUANG: Yes, Kristen, please.

11 MS. KANE: Will we ever see online
12 voting in our democracy? And would that be
13 desirable?

14 MR. ORNSTEIN: The latter answer is no.
15 We're already running into significant problems
16 with vote by mail and other kinds of remote
17 voting, difficulties that we see in -- there's a
18 much higher level of corruption when you lose the
19 zone of privacy that occurs in a voting booth.
20 And we're nowhere near the point that you could
21 have online voting without the possibility of some
22 massive intervention from outside or ways of

1 corrupting the process. We had -- there was a
2 conference that Cisco sponsored a couple of years
3 ago at Brookings where, you know, the giants of
4 the Internet world were saying to be able to do
5 this with any level of real certainty that you
6 didn't have somebody manipulating the process
7 would take a long time.

8 But even if you can get there, voting
9 should be a community experience, a collective
10 experience. We should encourage people to go to
11 the polls and to vote, to be with their citizens,
12 but then do that supremely private act in a --
13 with a closed curtain, of voting. And the damage
14 to the civic fabric that comes if you can do this
15 at home, I think, is just very, very great.

16 So I hope it doesn't happen, but I think
17 even if we move in that direction, and perhaps
18 inexorably we will because people like convenience
19 and it's cheaper, we're going to have to take a
20 long time to solve some of the other problems that
21 would come with it.

22 MR. RASIEJ: I have to take a completely

1 contrarian point of view and say that I believe
2 that we are going to see online voting, but with
3 the proviso that the term "online" will be
4 redefined and the term "voting" will be redefined.

5 An example, and it's just a nascent
6 example, of people voting and creating something
7 of value is Wikipedia, where there's over 200
8 million total hours of human time put in together
9 where people through reputations develop a
10 consensus about what they think is the most
11 important information about any given topic. And
12 so they may not have actually gone into a voting
13 booth and pulled a lever, but they voted through a
14 process that was collaborative, crowd sourced, and
15 technologically enhanced. And if you think about
16 our democracy's failure to actually expand voting
17 beyond Tuesdays, the lack of ballot access because
18 of technological lack of imagination, and a lack
19 of vision about how to create a civically engaged
20 society that does more than just pull a lever yes
21 or no, but could conceivably leave a comment,
22 which may not change the vote, but the total

1 comments, could you imagine what a tag cloud of
2 comments would look like post an election? We
3 have an opportunity to reinvent voting in our
4 lifetime to make voting as we think of it today in
5 a voting booth look like a horse-drawn buggy does
6 to somebody on an Acela.

7 MR. HUANG: Well, please join me in
8 thanking each of our panelists.

9 And I'd like to personally thank all of
10 our speakers for contributing their thoughts and
11 insights to the Workshop on Open Government and
12 Civic Engagement today. Each of them has
13 demonstrated that broadband as a disruptive
14 technology can energize open government
15 initiatives and transform civic engagement.

16 I'd like to point out, you know, in our
17 use of new online technologies, we had at our peak
18 over 175 individuals participating online, over
19 125 individuals through the WebX platform and
20 approximately 15 individuals at its peak on Second
21 Life. So, to our audience here in Washington, you
22 were augmented by more than 175 others online.

1 As we close today, I invite and
2 encourage each of you to continue your
3 participation by providing your thoughts,
4 questions, and insights online at
5 www.broadband.gov.

6 Thank you to each and every one.

7 (Whereupon, at 12:09 p.m., the
8 PROCEEDINGS were adjourned.)

9 * * * * *

10
11
12
13
14
15
16
17
18
19
20
21
22

1 CERTIFICATE OF NOTARY PUBLIC

2 I, Carleton J. Anderson, III do hereby
3 certify that the forgoing electronic file when
4 originally transmitted was reduced to text at my
5 direction; that said transcript is a true record
6 of the proceedings therein referenced; that I am
7 neither counsel for, related to, nor employed by
8 any of the parties to the action in which these
9 proceedings were taken; and, furthermore, that I
10 am neither a relative or employee of any attorney
11 or counsel employed by the parties hereto, nor
12 financially or otherwise interested in the outcome
13 of this action.

14 /s/Carleton J. Anderson, III

15

16

17 Notary Public in and for the

18 Commonwealth of Virginia

19 Commission No. 351998

20 Expires: November 30, 2012

21

22

ANDERSON COURT REPORTING
706 Duke Street, Suite 100
Alexandria, VA 22314
Phone (703) 519-7180 Fax (703) 519-7190