

SENATE RESOLUTION 191 --ESTABLISHING A NATIONAL GOAL FOR THE UNIVERSAL DEPLOYMENT OF NEXT-GENERATION BROADBAND NETWORKS TO ACCESS THE INTERNET AND FOR OTHER USES BY 2015, AND CALLING UPON CONGRESS AND THE PRESIDENT TO DEVELOP A STRATEGY, ENACT LEGISLATION, AND ADOPT POLICIES TO ACCOMPLISH THIS OBJECTIVE

Mr. ROCKEFELLER submitted the following resolution; which was referred to the Committee on Commerce, Science, and Transportation:

S. Res. 191

Whereas approximately half of households in the United States subscribe to high-speed data service over current-generation broadband networks, and the number of households subscribing to high-speed data service is growing by more than 20 percent annually;

Whereas households in the United States have used these networks to access over the Internet and via direct connections an increasingly broad array of critical information, services, and applications;

Whereas the information, services, and applications households in the United States access through these networks serve important policy priorities of the United States, such as improving health care and education, enhancing access to domestic and international markets, and reducing energy consumption and greenhouse gases;

Whereas, because new information, services, and applications require increasing amounts of bandwidth, and that trend is expected to accelerate dramatically, current-generation broadband networks, with their limited bandwidth capabilities, are proving insufficient to meet the electronic access needs of households in the United States;

Whereas next-generation broadband networks, with transmission speeds of 100 megabits per second, bidirectionally, have the capabilities to provide access to important bandwidth-intensive information, services, and applications being developed and can readily increase these capabilities for future developments;

Whereas, recognizing that next-generation broadband networks are essential to the achievement of social objectives, economic competitiveness, and global leadership, other countries have adopted national objectives and strategies to deploy next-generation broadband networks and are already accelerating the construction of such critical infrastructure to households;

Whereas next-generation broadband networks in the United States pass through only approximately 5 percent of households today;

Whereas, at the current pace, next-generation broadband networks will not be universally available in the United States for more than 20 years, and, as a result--

(1) households in the United States will not have access to critical information, services, and applications;

(2) entrepreneurs and businesses in the United States will be constrained in developing new products and services that are accessed over the Internet and broadband networks; and

(3) the overall welfare and economy of the United States will suffer substantially; and

Whereas key leaders and organizations in the private sector have called recently for the immediate development of a national next-generation broadband network policy and strategy: Now, therefore, be it

*Resolved*, That the Senate--

(1) establishes a national next-generation broadband network goal to bring, by 2015, universal and affordable access to networks with the capability of transmitting data at 100 megabits per second, bidirectionally, so that households, businesses, and government offices in the United States can access the Internet and, via direct connections, access other households, businesses, and government offices; and

(2) directs the relevant congressional committees to work with the President--

(A) to develop a strategy to achieve the national next-generation broadband network goal; and

(B) to begin, by the end of 2007, to enact specific legislation and adopt policies to implement this strategy.

Mr. ROCKEFELLER. Mr. President, I rise today to discuss an important policy matter facing our Nation. Many of us in this body have for years called for a national broadband policy. Today, I am formally proposing the establishment of that national policy. I will propose that we take two steps: establish a goal, and develop a strategy to meet the goal.

Although broadband services are expanding and more consumers are subscribing to broadband, our Nation is falling behind the rest of the world in the deployment next generation broadband infrastructure. Broadband as we know it will be obsolete and we must begin to examine how the United States can remain a leader in communications technology. As a nation, we must have a thoughtful national policy to make sure all Americans have the communications infrastructure that they need to learn and compete in a global environment.

A national broadband policy is critical to the future of our country. Having a very robust broadband network available to all Americans would provide a tremendous social and economic benefit. The latest phrase in the broadband lexicon is ``exaflood." It refers to the flood of new, high bandwidth applications that are now available to those with a fast connection. The number of broadband applications now available is almost unimaginable.

In the last year, social networking Web sites, such as YouTube and MySpace, have become integral parts of our society. But, expanded connectivity would allow doctors to diagnose remotely medical conditions, music students to study with an instructor hundreds of miles away, and scientists to monitor ocean floor vents from their offices on shore. This is the real potential of broadband to transform our lives.

Those who have a fast enough pipe to use those applications will enjoy a huge benefit, both social and economic. As we all recognize, creating next generation broadband networks is crucial to our international competitiveness. It is not news that the United States is lagging many other nations in terms of penetration of current-generation broadband, for example, cable modems and digital subscriber lines. Perhaps more worrisome is that we are also falling behind in terms of next-generation broadband technology.

In Japan, tens of millions of people have access to a direct fiber connection, and 100 megabit connections are commonplace. Korea has been the leader in DSL for years, and now it also is extending fiber all the way to the home. The same is happening in Europe--100 megabit connections are becoming routine in these countries, and it is crucial that the United States not fall behind again. We must have a policy that ensures the deployment of a strong broadband network for all Americans.

The first step in going somewhere is to know where you are going, and the same is true in public policy. We need a goal. And the goal should be an ambitious, yet achievable one. The second step is to decide how to achieve that goal. We need a roadmap. And, we need it now. By the end of 2007, we should establish a national goal and pass a series of policy actions designed to achieve our national goal. There will likely be multiple parts to the plan, and we will likely need to modify those parts over time. But if we do not have a plan, we cannot expect to accomplish our goal.

So today I am introducing a resolution calling for two things: A national goal of 10 megabits per second universally available in the United States by the end of 2010, and 100 megabits by the end of 2015. As I said, that is ambitious, but achievable. A number of different wireline and wireless technologies are today capable of delivering five megabits or more, and their efficacy is constantly increasing. Ten megabits by 2010 is achievable. And by 2015 we can do much better and achieve true next generation speeds.

If we do our work, by 2015 we can become a true "100 Megabit Nation." Today, speeds of 30 megabits or higher are available to millions of Americans due to the healthy competition developing between telephone companies and cable television companies, complemented by many forward-thinking real estate developers and municipalities. These entities are beginning to offer "triple play" services, voice, video and data, requiring them to deploy new technologies delivering very fast speeds. Having general availability of 100 megabits is achievable by 2015 if we push the technology envelope. We can do it, and we should resolve today to do so.

The second part of my resolution says that by the end of this year, 2007, we will develop a strategy for achieving our national goal. I will suggest policy actions for inclusion in that strategy, and many of you will as well. I think we should have tax incentives to push the private sector beyond their current deployment plans, we should offer low-interest loans for the same purpose, we should reform the Universal Service Fund to encourage broadband deployment, we should free municipalities to deploy as they see fit, we should ensure the wise use of wireless spectrum, and the list goes on. There will be new proposals to deal with new challenges and new opportunities. We should develop the first U.S. national broadband policy by the end

of 2007, and we should revisit it every year thereafter to modify it as necessary. That is what my resolution calls for.

I invite my colleagues to join me in this call for a national broadband goal and strategy. We have talked about it for years. Now it is time to take action. We owe this to our constituents and the country. We must act to provide them with the benefits that a powerful broadband network can bring, and we must begin today.