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Subject: Comments: Costs and benefits of IoT Broadband Cooperation
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Attachments: [Draft.docx](#)

Comments on costs and benefits of integrated Internet of Things and Broadband Commerce Platforms

See attached and summaries below of Comments, Resources on Digital Economy Plan Areas, Smart Families, Businesses and Communities, and All Communities Agenda for Better Lives in All ZIP Areas

Comments on costs/benefits of IoT and broadband cooperation

Building Blocks of Better Lives: Designing Integrated Internet of Things, ICT and Public Works for Economic and Social Productivity; By All Communities Agenda including

- A. Nourishing the nervous system of the environment and the body politic for social vitality through Internet of Things partnerships of People + Place Data Assets,
- B. Reducing costs of utilities and local government through Community Response uniform standards, cooperation, transparency and civic engagement, and
- C. Securing free flow and privacy of information based on data exchange cooperation and community media among local, regional, watershed and regional planning areas, and sliding scale of funding and technical assistance based on economic and social condition data indicators.

All Communities Agenda for Digital Economy and Digital Government is based on Community-centric concepts for integrating investments in Internet of Things, resiliency, cybersecurity, transparency, privacy and government and utility performance, by using uniform Local and Regional Commerce Platforms, and by significantly lowering costs of Internet superhighway and sustainability platforms in near universal broadband use and asset-building world.

Comments to U.S. Department of Commerce, NTIA on community-centric model to integrate investments in IoT into ICT, Public Works, Utilities and Local Governments for lifecycle resiliency and cybersecurity, and for smart business and family management and civic engagement in uniform local-regional private-public community anchor institution specification partnerships. It is recommended to anchor such platforms in very local building block networks and aggregated in over 2000 Digital Economy Plan areas (community college, vocational/technical extension/health service areas) of 100,000 to 200,000 residents in rural, suburban and urban areas and in Federally-recognized land use and transportation multi-county regional planning areas.

May 23, 2016

Submitted by Local Innovation and Skill Cluster Anchor Network Project
Safe and Healthy Communities Project/All Communities Agenda
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Internet Use R & D network in development

The purposes of these comments are:

(A) to articulate a COMMUNITY-CENTRIC CONCEPT for increasing productivity (lowering costs, increasing impacts for private and public sector parties) of local Internet partnerships through integration of IoT into comprehensive ICT investments in a range of parcel to regional localities and generating Digital Economy social and economic returns, in response to questions 1, 2 and 7.

(B) to recommend the adoption of CLASSIFICATION OF INTERNET OF THINGS THROUGH COMMON IOT-ICT-PUBLIC WORKS COOPERATIVE STANDARDS AND PROCEDURES in Digital Economy Building Block areas (see models in Resources below), defined as Local Utility, Learning, Commerce, and Public Service areas aggregated in Innovation and Skill Cluster/Healthcare/Community College/Vocational/Technical and Extension areas of 100,000 to 200,000 in over 2000 rural, suburban and urban areas in 56 states and territories, and as parts of Federally-recognized multi-county regional land use, transportation, public works and watershed planning areas, in response to questions 4, and 7.

(C) to support COORDINATED FEDERAL AGENCY LEADERSHIP FOR LEVERAGING INVESTMENTS IN IOT-ICT-PUBLIC WORKS PLATFORMS to facilitate public and private IoT investments in infrastructure and natural resource resiliency, data indicators, cybersecurity, transparency, privacy, procurement and international standards and as part of data driven "return on investment" Digital Economy Commerce Platforms, including by US Department of Commerce NTIA, USDA RUS, FEMA, US Army Corps of Engineers and other Federal (built, natural environment, human service) agencies and initiatives such as NSF US Ignite community-university-developer advanced application partnerships to meet 7 national needs for broadband (FCC 2010). The purpose is to benefit from uniform local-state-Federal, low cost regional and local resiliency and environment community dashboard metrics and communication protocols, and facilitate commerce, culture and sustainability through Local Broadband Building Block model in cooperation with regions and watersheds in the Americas and around the world, in response to questions 7, 16-20, 26.

RESOURCES ON DIGITAL ECONOMY PLANNING AND BETTER INFORMATION FOR SMART FAMILIES, BUSINESSES AND COMMUNITIES

Northwest Georgia Digital Economy Plan <http://dr1.nwgrc.org/>

PDF [Middle Georgia Digital Economy Plan - Middle Georgia Regional ...](#)

www.middlegeorgiarc.org/.../MG_DigitalEconomyPlan_FinalDraft1.pdf

PDF [Digital Economic Planning - the Atlanta Regional Commission](#)

www.atlantaregional.com/.../lu_eluc_handouts_digitaleconplanbackgrou...

Important Links for Families, Businesses and Communities:

[All Communities Agenda](#)

[9 Principles for Lifeline Internet for US Productivity and Savings for Digital Government](#)

[Community Quality of Life for Families 1 Pager](#)

[Everyone's in Business](#)

[Resource Guide for Business, Family and Community Choice in Smart Card Age For](#)

[Bronzeville International Innovation Summit August 2014](#)

[Better Information For Student and Community Choice](#)

[What is a Community Service Assembly](#)

[7 National Needs](#)

[Comments to US Council](#)

[Principles for Lifeline Modernization](#)

[Broadband and Regional Planning](#)

[Lifeline Internet and Productivity of US Economy](#)

[Community Hall Dashboard](#)

[Benton Foundation](#)

[Broadband Illinois](#)

[All Engines Running Resources](#)

[Community Quality of Life for Families](#)

ALL COMMUNITIES AGENDA FOR BETTER LIVES IN EVERY ZIP AREA

1. US Department of Commerce work through Broadband Opportunity Council, especially including in cooperation with US Department of Labor workforce and unemployment insurance programs, USDA RUS and university extension programs, and Department of Veterans Affairs to coordinate IoT and IoT-ICT-Public Works skill training, employment, small business and family management support through community colleges, including under common WORKFORCE INNOVATION AND OPPORTUNITY ACT PROGRAMS IN EACH DIGITAL ECONOMY PLAN AREA, EACH LINKED WITH UNIVERSITIES AND REGIONAL PLANNING AGENCIES, and with FCC, and Federal community, human service, and community media programs on annual local, state, and local programs on broadband adoption and use, with special focus in economic equity areas (see below).
2. White House, US Department of Commerce, USDA, US Ignite and Broadband Opportunity Council and Federal natural resources and resiliency agencies convene a meeting of States (Governors, Legislators, agencies), Local Governments, Communities, Watershed constituency parties and US and International technology companies, as well as possible inclusion of representatives of Internet Use programs and governments throughout the Americas, to LAUNCH A NATIONAL AND VERY LOCAL BROADBAND OR INTERNET AWARENESS, ADOPTION AND USE ANNUAL CAMPAIGN IN SCHOOLS, COMMUNITY CENTERS AND OTHER PLACES to introduce new and continuing Internet users (families, businesses, public and civic institutions) on the needs and benefits of Internet and Internet of Things. Such a campaign might include (such as Drawing Internet Horizons, in Sensors, in the Sky and Smart Places, and perhaps symbolized as local birds, and international bird flyways), and similar to public service campaign of US Forest Service (Smokey: only you can prevent forest fires). See model of consumer-friendly (for youth, adults, seniors, special needs persons) KeyPad Kid character designed in early 2000's for California Public Utility Commission to assist new users to cell phone use, created by KeyPad Kid Facebook Project, and bird graphics and characters used by Internet Public Trust.
3. US Department of Commerce work through EDA, Small Business Administration and Census Bureau, US Department of Transportation, USGS, NASA, NOAA, FCC, Energy, Interior, Agriculture and Land Use agencies ADOPT LOCAL AND REGIONAL ENERGY, COMMUNICATION AND UTILITIES COMMERCE PLATFORMS for use in Local and Regional Digital Economy, Transportation and Watershed Areas, including

a. Coordinating resources for regional planning agencies, regional development commissions and university advanced application research for Digital Economy planning for Public Works, Watersheds and Resiliency with State Digital Economy and Digital Government activities, platforms, funding and metrics, including Federal initiatives to encourage the adoption of state and local "dig once" "one tower/pole" and similar legislation, databases and use in every Broadband Building Block area and every American Community Survey area, and Federal initiatives for use of uniform financial data for local-state-national use in all Federally-assisted public works.

b. Coordinating standards for IoT-ICT in every utility area for the transition from smart metering to smart management of built and natural environments, and coordination with State departments of commerce and with business 'site selection' and community development parties for uniform listing of IoT, ICT and Energy standards for each parcel or tract listed in state-supported "location listings" for review by public and private parties in making decisions about new or expanded facilities.

c.. Coordinating with USPS, Internet companies and logistics companies for Local Logistics Area cooperation in every ZIP area (over 43,000), and linked with Local government, chamber of commerce and Digital Economy Plan areas.

4. US Department of Commerce NTIA and Census Bureau work through NIST, US Ignite advanced application metric projects, and digital government infrastructure and service companies CREATE STANDARDS AND PROCEDURES FOR for real time/near real time COMMUNITY DASHBOARDS and monthly reports on local conditions, including to develop a nationally distributed MONTHLY QUALITY OF LIFE INDEX.

5. US Department of Commerce, working with Departments of Agriculture, Labor, Education and Health and Human Services and with State Broadband Councils and Regional Planning Agencies and Commissions ADOPT AN EVERYONE'S IN BUSINESS: EVERY ZIP AREA COUNTS program for tapping the resources of families, businesses and communities in data driven social innovation initiatives, including

A. Federal, state and local financing of Community Anchor Institution civic-public networks to substantially contribute to economic equity by investing the most in locations with the highest potential for social productivity improvements in family health, skills, housing, safety, utility and watershed conditions (such as full grants in bottom half of economic or social conditions, and partial support grants in top half of economic and social conditions), including for broadband adoption, use and support among lesser connected families, businesses, civic and public institutions.

B. Federal, state and local financing of Community Response networks and activities, such as through a sliding scale of grants (no match other than in kind interoperable database and community hosting capacity, and willingness to partner with local community college, health providers, universities, utilities, businesses, public agencies and civic institutions.

C. Federal, state and local governments and regional planning organizations grant funding for Internet Use Support capacity-building partnerships with local community foundations, community investment parties, and technology incubator, support and technology park to provide formula funding for CAI and Community Response networks, Foreclosure Recovery networks or networks which seek to build capacity to improve communities in one or more areas.

D. Federal government provide guidelines for states to develop Digital Economy and Digital Government comprehensive planning to all Digital Economy areas in the state, including in partnership with community college/workforce and university research/university extension in all

communities of the state, with Federal government providing a portion of such funding, and requiring matching funds, again on a sliding scale, based on current economic and social condition.
