Broadband Support Opportunity for State & Local Governments

UNDER THE AMERICAN RESCUE PLAN ACT OF 2021

Superior WI

October 3, 2023

ABOUT THE PRESENTER

John Dolmetsch

Chief Information Officer

- Co-founder and CIO of BIG

- Over 30 years in the IT industry

- 7-year veteran of remote working

- Cisco Business Architecture Analyst

- Executive Architect Comcast HQ/4 Seasons Smart Hotel/Office Philadelphia, 2019

- 100+ wireless projects

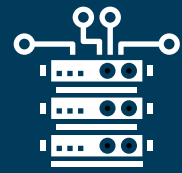- Offshore fisherman, diver & surfer

OUR MISSION

To be an extension of our client's business as their most trusted advisor by delivering secure, reliable, and understandable solutions that:

- improve operation productivity
- create competitive advantage, *and*
- enable meaningful business transformation

OUR SERVICES

Networking & Security

We evaluate existing conditions and create the appropriate technology roadmap, execute projects as needed and continue to help our clients evolve with today's fast-paced technology and associated business requirements.

Professional Services

Our team of dedicated developers provides business analysis for Enterprise Resource Planning products & ERP customization, focusing specifically on Deltek Vision and Viewpoint for Construction software.

Wireless Technologies

The wireless team possesses an in-depth knowledge of wireless, networking, design and implementation with extensive experience in utilities, public safety, government, enterprise & venue spaces.

BROADBAND FUNDS OVERVIEW

- COVID-19 was a game changer for the Federal Government on how it viewed the importance of "Connect Anywhere"

- $17 Billion in Broadband Funding alone under the Rescue Plan with a total of over $300 billion in ARP Appropriations

- The ability to learn and work from home has far reaching efficiencies in modern society

- Cost savings from decreases in student transportation, school maintenance and other expenses will be extreme

- Municipalities in winter weather affected areas will no longer be crippled by "snow days"

- 50% in mid 2021 with another 50% after 12 months. Total of 36 months or funding projects

- A single municipal infrastructure can provide remote learning, remote working, Smart City and a host of other connected abilities

ELIGIBLE COMMUNITIES FOR BROADBAND FUNDS

URBAN

Benefits low-income, urban residents with school age children.

RURAL

Benefits rural communities with limited broadband options.

LIBRARIES & NON-PROFITS

Benefits libraries and non-profits providing learning and educational opportunities.

ELIGIBLE COMMUNITIES FOR BROADBAND FUNDS

EDUCATION

Allows schools & universities to expand remote learning programs.

TRIBAL COMMUNITIES

Empowers Native American tribal communities with little or no broadband options.

FUNDING RESOURCE POOL

- Emergency Connectivity Fund – $7.17 billion
    - Schools, Libraries, etc.
- Homeowner Assistance Fund - $9.961 billion
- State Fiscal Recovery Fund - $219.8 billion
- Local Fiscal Recovery Fund – $130.2 billion
    - Counties, Cities, etc.
- Capital Projects Fund – $10 billion
    - Schools, Counties, Cities
- Emergency Broadband Benefit Fund - $3.1 billion (operating funding)

ELIGIBLE USES OF FUNDS

LoRaWAN™

Bluetooth

ALLIANCE cbrs

WiFi 6

Affordable/Free Broadband

Providing affordable or free broadband to underserved Urban and Rural communities

Remote Learning

Enabling more efficient and widespread remote educational experiences and resources

Telehealth

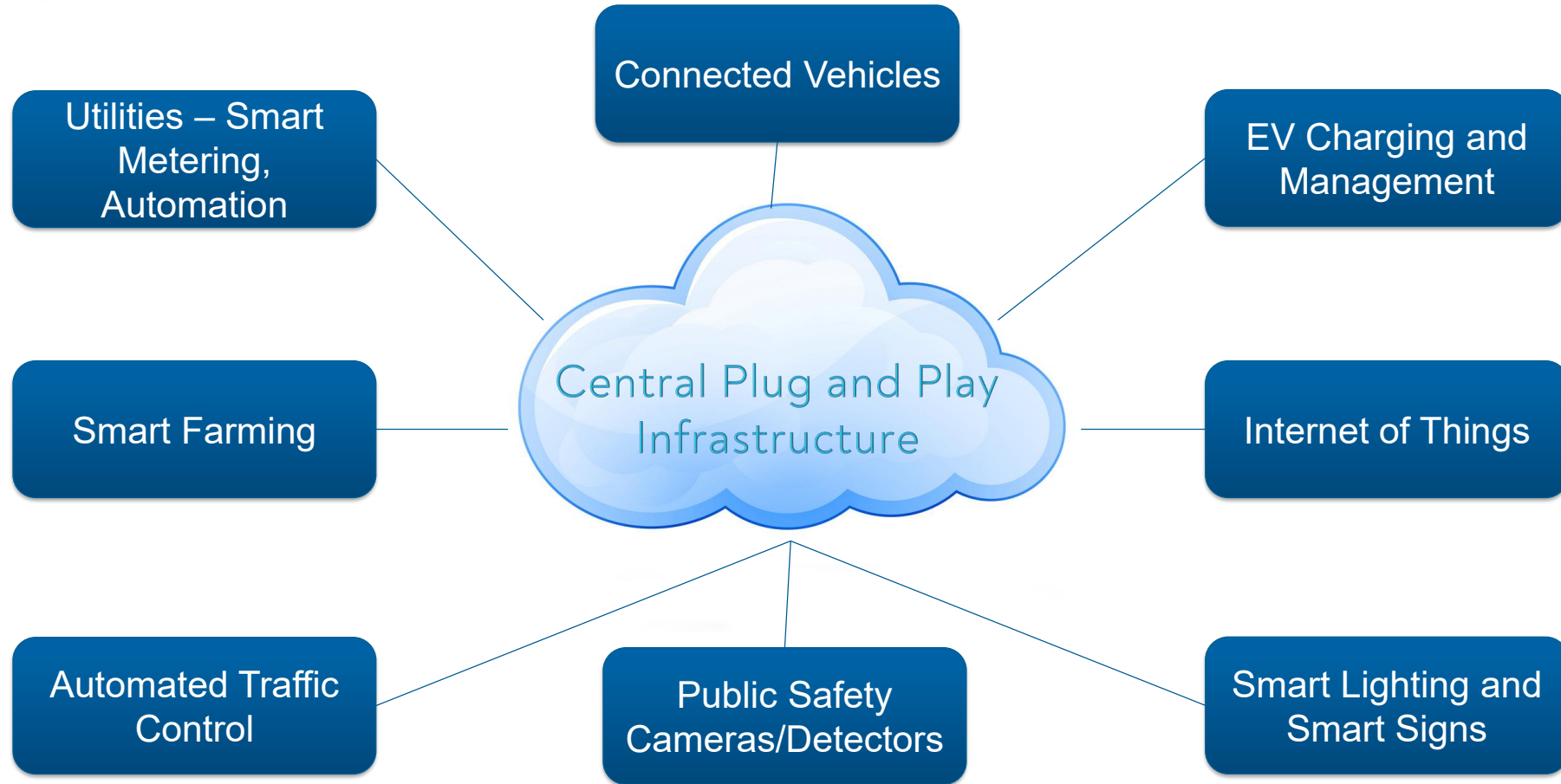Remote wellness, diagnosis, health education and treatment

Remote Workforce

Shared, secure, workspaces, video conference centers and high speed broadband for enabling efficient remote working and reduction of commuting

"Future Proof and Affordable"

Smart City/Rural - Shared Infrastructure

- Connected Vehicles
- Utilities – Smart Metering, Automation
- EV Charging and Management
- Smart Farming
- Central Plug and Play Infrastructure
- Internet of Things
- Automated Traffic Control
- Public Safety Cameras/Detectors
- Smart Lighting and Smart Signs

THIS TIME "IS" DIFFERENT

- Our national government finally realizes we are behind as a nation in technology infrastructure

- For the first time in our Nation's history we are finally allocating the right amount of money to build what is needed

- Technology Infrastructure is NOT laptops, tablets, security cameras or mobile phones. Infrastructure is what all those devices and more, need to communicate globally

- Without a comprehensive Technology Infrastructure cities and towns will not grow, will not be able to compete globally and will not attract future residents

PLANNING/FUTURE PROOF

01

THINK 10+ Years

Now is the time to think big and comprehensively. Broadband is not the end game. It is just part of the overall strategy utilizing the modern technology infrastructure our nation needs desperately

02

PLAN FOR A HIGHWAY…NOT A ROAD

For years municipal government has been building "technology roads", each purpose built for one thing…Broadband, public safety, Smart City, electric modernization, etc. Now is the time to build a system that is all encompassing

03

BUILD A PLAYGROUND – NOT A SAND BOX

The information highway of the future will be more than one technology. A successful mission will include Fiber, CBRS, Wi-Fi, IoT and 4G/5G along with the Cyber Security Controls to make it a safe playground for all

04

ENGAGE A SUBJECT MATTER EXPERT

Would you trust a general practitioner with surgery on your brain? Now is the time to engage an expert in designing, implementing and supporting complex technology infrastructure with wireless components

05

PUT SHOVEL READY FIRST

Funding will be allocated faster towards projects that are ready to begin immediately and have immediate results with measured metrics.

06

THINK MOBILE

We are now a mobile and global society which will only become more prevalent in the future. Building a technology infrastructure that focuses on mobile connectivity will enable growth for your region

COLLABORATE/COMBINE

- Municipal government projects have been historically silo based

- Technology is required for everyone and everything and will be the key to facilitating regional expansion and attracting future residents

- Looking at a new technology infrastructure on a holistic level, combining all agencies, residents, businesses and needs will make for a more efficient infrastructure

- Multiple funding targets but all the same needs and benefits. Pooling the money will enable vast efficiency

BUILT TO LAST/EXPAND

LoRaWAN™

Design a Robust Foundation

A solid technology foundation is key to building a lasting and expandable infrastructure. Don't penny pinch on it

Bluetooth

Modularity

An efficient technology infrastructure is modular by design. It can provide immediate benefits while allowing for expandability for many years without a forklift upgrade
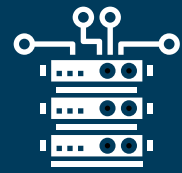
ALLIANCE cbrs

The Playground Building Blocks

Fiber, WiFi, 4G/5G, CBRS and a solid Cyber Security platform make up the core tech playground. A solid one will combine all these sandboxes

WiFi 6

Think Carrier Grade

WiFi and other technologies come in many flavors and price points. A solid technology infrastructure is not one you order from Amazon

FUNDING SUCCESS

WHO/HOW/WHY

A successful proposal has a much greater chance of funding if it identifies exactly who will be served, how they will benefit and why it meets the criteria set by the Rescue Fund executives

OPERATIONAL CONSIDERATION

A Technology Infrastructure needs long term care and operational excellence. The cost for 5 to 10 years of operational expertise should be built into the funding proposal

MEASURABLE METRICS

Measurable success metrics that define objective financial, technology, remote learning/work and telehealth goals will make a funding proposal more relevant

TAKEAWAYS

01

TAKE TIME TO INCLUDE EVERYTHING

Remember...a strong foundation is the key to long term success. It needs to accommodate needs of today, tomorrow and the future

02

THIS ISNT "JUST" ABOUT INTERNET ACCESS

While affordable Broadband is the anchor application and immediate need for the Rescue Funds, having a successful strategy will encompass much more. The ones that do will get more funding, faster

03

ENGAGE A SUBJECT MATTER EXPERT

Only a select few ever build a house by themselves. Most engage a professional that specializes in building houses to last forever. This endeavor is no different

04

SHOVEL READY NOW

Funding will be available for 36 months with 50% available in 2021. Projects having immediate payback and results should be the priority for 2021, while other projects can wait until a later date.

05

URBAN AND RURAL

Both urban and rural America are lacking affordable, fast, broadband and the Rescue Funds are made to help both sides of the population spectrum

06

GET FUNDING REQUESTS IN SOON

There will be competition for the Rescue Funds. Requests to lawmakers, economic development agencies and educational oversight groups will be numerous

THANK YOU
for attending

CONNECT WITH US:

717.854.9983 | 877.508.9983

businessinformationgroup.com

hello@businessinformationgroup.com

156 North George St. York, PA 17401

Business Information Group

@BusinessInformationGroup

@Business-Information-Group_3

@BIGTechTalks