Welcome







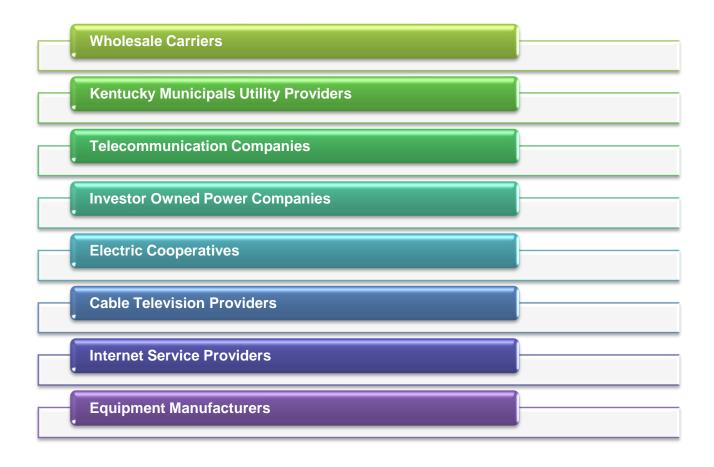
Next Generation
Kentucky Information Highway





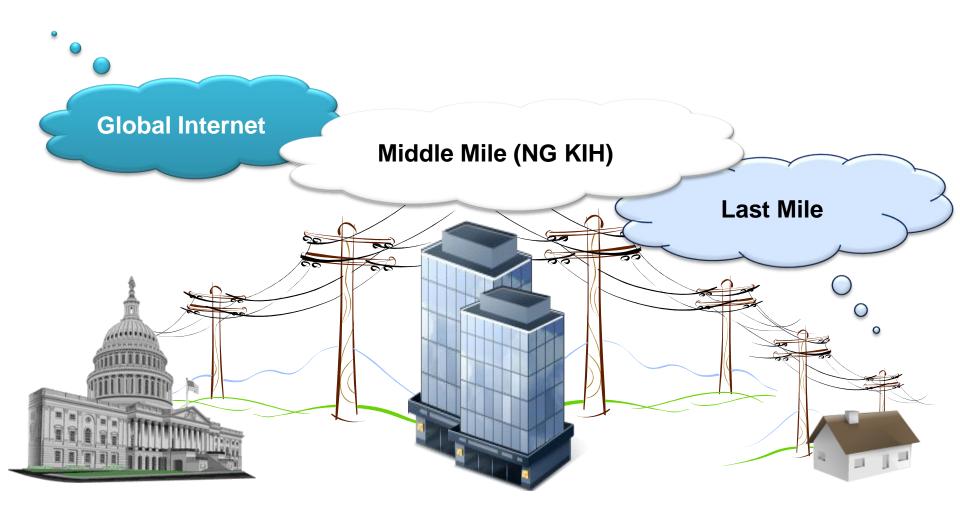
Stakeholders





Middle Mile vs. Last Mile





Agenda & Introductions



1) Project Overview

- Project scope and key objectives
- Consortium introduction
- Letter of endorsement

2) Network Design & Architecture

Network design

3) Benefits to Network Stakeholders

- Economic development platform
- Open access business model

4) How the Stakeholders Can Help

- Schedule improvements
 - Access to existing assets, e.g. fiber, conduit, etc
- Pole attachments
- Collaboration on last mile construction

5) Next Steps

- Stakeholder questionnaire
- Engagement process and follow-up sessions

The Macquarie Consortium





World's largest infrastructure investor \$23 billion infrastructure equity capital raised in last 5 years >\$390 billion under management



#1 Ranked Telecommunications Design / Engineering contractor for past 5 years

10 year operating history in Kentucky
Established network of local subcontractors



Over 144 years executive experience 6m+ end users directly served \$3bn+ in total managed P&L experience



World's 3rd largest IT services provider Extensive multivendor services #1 OTN patent holder in the US >\$2bn annual R&D investment



Kentucky-based contractor founded in 1997
Completed over \$400m Kentucky projects
Ongoing business development role via Jack Givens

Project Overview



The Macquarie consortium was selected as the preferred partner to develop the Commonwealth of Kentucky's statewide middle mile network

Project Overview

- Middle mile network connecting >1,100 anchor institutions across Kentucky's 120 counties
- Commonwealth issued a competitive RFP in July 2014 with DBFOM scope to develop the NG-KIH
 - Open access network
 - Economic development platform
 - Expedited timeline
- Macquarie consortium selected as preferred proponent late 2014
 - Development agreement executed
 December 2014
 - Targeting construction start in early 3Q2015

Key Commonwealth Objectives

- Statewide network to promote economic development and attract private investment
- Increase network access in underserved areas, in particular Eastern Kentucky
- Maximize economies of scale through the integration of Kentucky's existing infrastructure
- Create a future proof platform to service public safety users (FirstNet, NG911, etc)
- Encourage collaboration between public and private sectors

We are on **an aggressive timeline** and believe that the **Macquarie team**'s technical capabilities and history of innovative solutions are **the best fit** for this important project [that will] **propel the Commonwealth forward** in education, economic

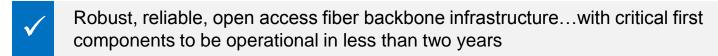
- Governor Steve Beshear, 23 Dec 2014

development...and much more

Endorsement Letter



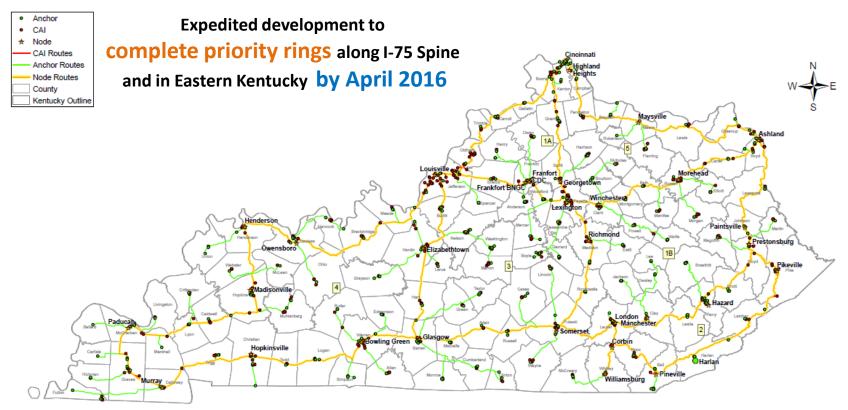
PPP establishes a long-term, collaborative relationship with the Commonwealth and the Macquarie consortium is committed to the efficient delivery and operation of the project over the next 30 years



- In their contractual role, Macquarie will be acting as an agent of the Commonwealth for the project
- The project can be completed with an accelerated timetable and cost savings by leveraging the expertise and innovation of project stakeholders, including Kentucky's businesses, organizations and individuals
- Macquarie will seek to partner with local telecommunications companies, municipalities, utilities and major carriers to deliver the open access network more quickly and reduce construction costs
- We ask that you facilitate Macquarie and their partners' efforts to the fullest extent you are able in order to ensure this project achieves its goals
- In particular, please provide access to appropriate information, relevant infrastructure and other requests in a timely and coordination fashion

Conceptual Network Design





Preliminary
Not To Be Used for Construction

Network completion by October 2018

Stakeholder Help



ACCESS TO INFORMATION

- 1 Asset maps (fiber, conduit, etc)
- Near-term development plans / infrastructure builds
- Near-term / medium-term capacity requirements
- 4 Assets subject to regulation
- 5 Pricing sheets
- 6 Rights of way
- Attachment process and approval requirements

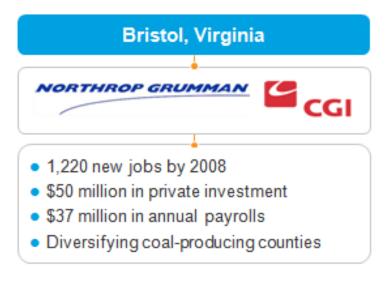
PARTNERSHIP OPPORTUNITIES

- 1 IRUs
- Poles, conduits, etc
- 3 Co-build / joint trenching
- 4 Co-locations
- Network interconnects and expansion of last mile networks
- 6 Reducing transit costs (regional presence in carrier hotels)
- 7 Broadband education and awareness programs

Economic Development



Efficiently deployed broadband infrastructure generates significant investment and job creation





Volkswagen plant created 3,200 jobs and \$1.4 billion total tax revenues for TN Claris Networks moved data center from Knoxville 'just because of the network'

"Google Fiber's first ultrafast internet connection drew about a dozen startups to a single neighborhood in Kansas City... and over the past 7 months, about 60 startups have presented on a weekly basis in Kansas City"

-New York Times, November 2012

"They are calling it... Silicon Prairie"
-New York Times, November 2012

Next Steps



Stakeholder Feedback Questionnaire

Meet & Greet

Group / Individual
Meetings
(w/c January 19)

PROJECT INFORMATION & CONTACT

Project Website

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