

County Council Work Session March 12, 2013

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Presentation

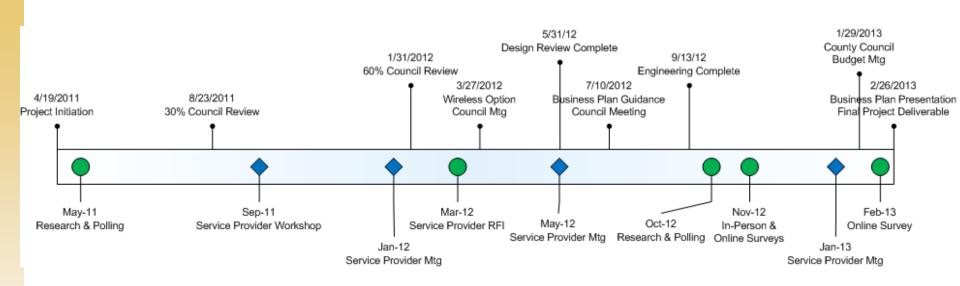
♦ Project overview, general approach

Business plan presentation



Remaining project deliverable

Project Overview



Key Milestones

Market Research (telephone, in-person, online)

Service Provider Meeting

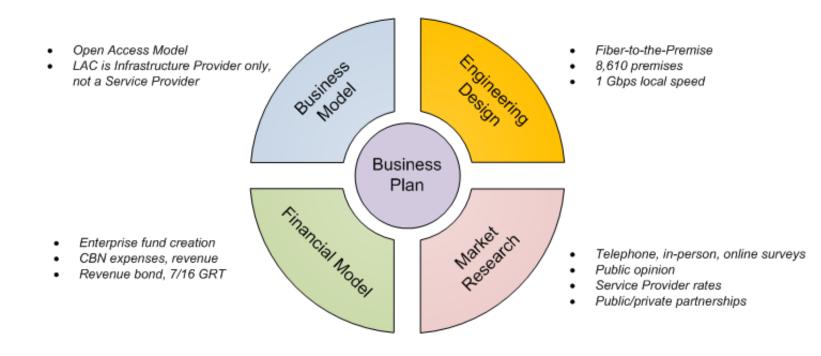
Attachment A – CBN PowerPoint Presentation

Note: Meetings with members of the Community occurred prior to each County Council meeting

Implementation Steps

STEPS	ACTIONS
Conditional approval to move forward – "laying the foundation"	County Council
Stakeholder Meetings	 Citizens Businesses Utilities LAPS UNM-LA LANL
Marketing	 Market research to re-verify community opinion – function of time Develop service provider marketing campaign Develop customer marketing campaign
Bond Election Preparation	Bond counsel Egal counsel
Approvals for Bond Election and Charter Amendment	County CouncilCitizen Vote
Business Development	Service provider expressions of interest Network Operation Center agreement
Communication Plan	 Construction schedule Community meetings Press Releases Advertising
Approval to Proceed with Construction	County Council
Organizational Development	 Fiber optic training for Utility staff Hire and train CBN staff
Pre-Construction	 Service level agreements Right-of-Way agreements Permitting Procurement Vendor conference Vendor(s) selection Design adjustments
Construction Begins	 Fiber optic installation Equipment installation

General Approach



Comprehensive development process, melding business model, network design, market research & financial analysis



BUSINESS PLAN PRESENTATION

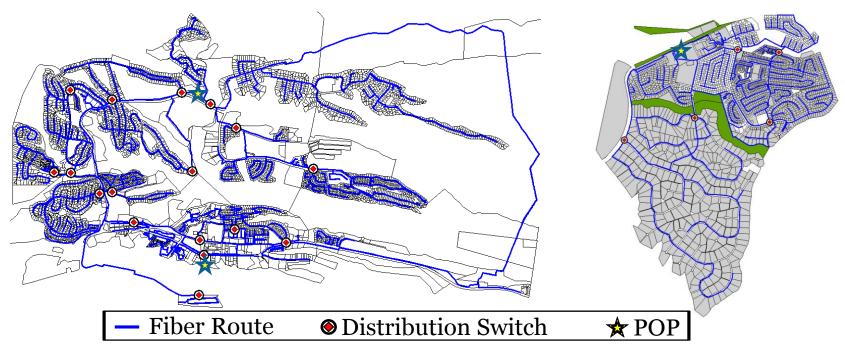
Attachment A – CBN PowerPoint Presentation

CBN Business Model

- CBN based on "Open Access" principles
- Los Alamos County would serve as wholesale network operator, not retail service provider
- Retail service providers would purchase wholesale network services from CBN
- Any qualifying service provider would have equal and fair access to CBN services
- Avoids competing with private sector ISPs

CBN Design

CBN would implement a 1 Gigabit per second fiber optic network to all premises within LAC



CBN Market Research

Various instruments used for assessing interest in broadband services within LAC Private sector research firms Online surveys In-person interviews Cross referenced with broader national trends

Public/private partnership opportunities also researched

CBN Financial Analysis

Enterprise Fund style of accounting 10 year pro-forma financial projections Including Cash Flow analysis Cost to build, operate, and reinvest Implementation timeline Funding requirements and payback model Revenue expectations

Assumptions - Cost to Build & Operate

100% build-out, Gigabit Ethernet
8,610 premises connected
~\$47.2m initial cost to build, years 1-3
~\$7.6m equipment refresh years 7-9
~\$2.3m annual cost to operate

Assumptions – Funding Model

Construction capital expenditures funded by ~\$47.2m revenue bond package 20yr term, 3.5% borrowing cost Debt service on revenue bonds covered by 7/16th GRT levy and network revenues GRT proceeds estimated at ~\$5.6m per annum Equipment refresh funded through separate \$7.6m revenue bond package in Years 7 – 9 Repayment covered by accumulated cash flow

Assumptions – Pro-forma Projections

- Annual revenues estimated at ~\$6m to
 \$7m
 - Wholesale network revenues & GRT proceeds
- Operating expenses of ~\$2.3m per year
- Positive annual cash flow, with accumulated reserves ranging from ~\$4m to \$8m
- Positive Internal Rate of Return on investments of ~3%

Assumptions – Market Take Rate

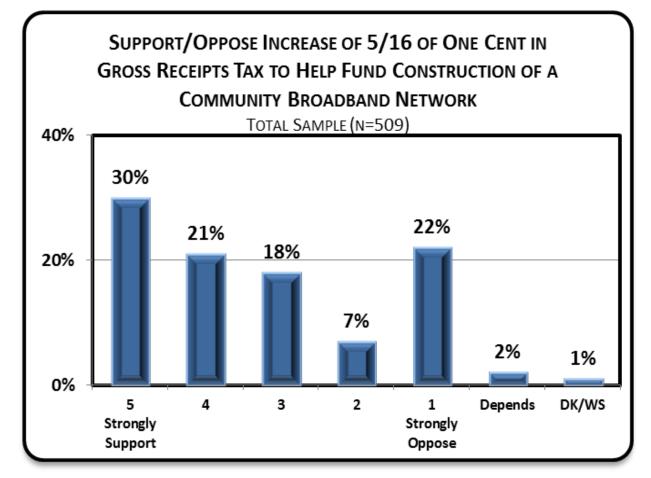
Estimates for wholesale network services Minimum initial take rate projected at 30% By Project Year 5 Target take rate estimated at 40% By Project Year 7 Based on quantitative analysis of local market research, cross referenced with national data

Assumptions – Market Research

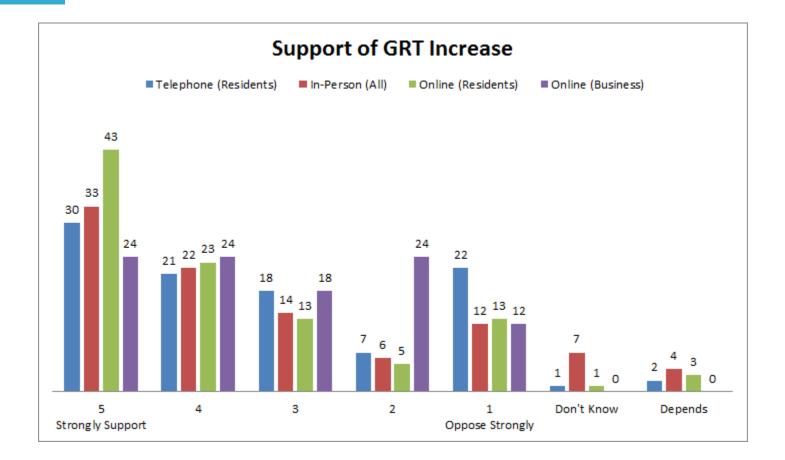
Quantitative analysis in the business plan was based on the Research & Polling telephone surveys

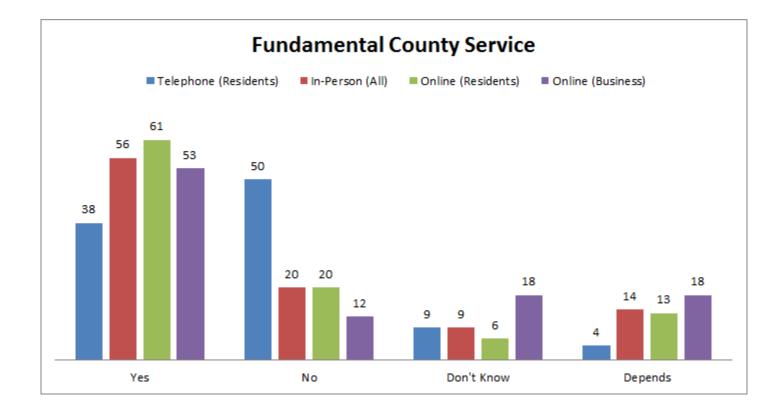
- Contains demographic data
- More conservative
- Online and in-person surveys
 - No demographic data
 - "Gut-check"

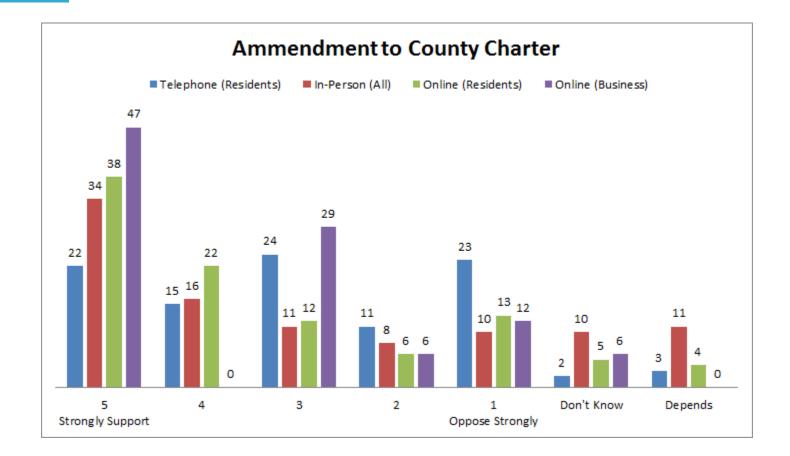
Support for GRT Increase

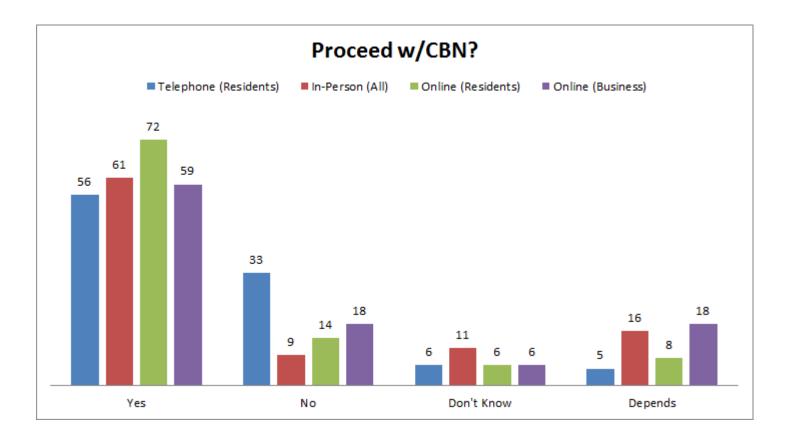


Reduction in GRT valuation would require 7/16th





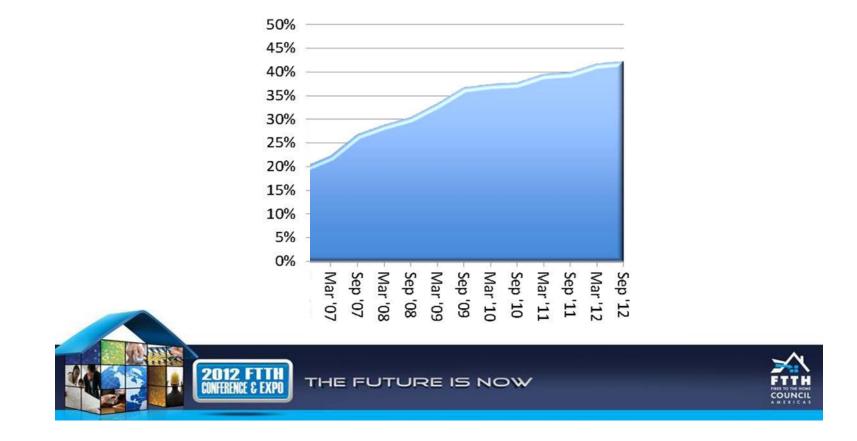




National Take Rates

Overall FTTH Take-Rates Hit New Record

North American Take-Rates Reach 42.2%



Best Industry Practices

Symmetrical bandwidth, 75% of municipalities Production model vs. consumption Economic development vehicle • 58% of communities experiencing an increase Time shift workplace and telecommuting • 67% work from home, 11% home based business Increasing home valuations ~\$6,500 Lowering community operating costs ~2% Reducing roadway congestion and associated costs Generating revenues for the community Home based business could add \$47m per year in revenue Potential for 215 new jobs based on industry averages

Risks

Market risks and take-rate expectations

- Mitigation measures
 - Downward factoring of research data
 - Marketing campaign, inline with best industry practices
 - Competitive pricing maintenance
- Financial risk, securing capital, & cost overruns
 - Mitigation measures
 - Community support for bond measure and GRT levy
 - 3rd party review conducted to verify cost assumptions

Legal risks, potential challenges

Mitigated by "open access" model, non-compete
 Middle-mile

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Conclusions

CBN Business Plan demonstrates sound case for implementation and sustainability

- Market research identified majority support for CBN and demand for broadband services
- 7/16th GRT levy would require public election

Further community meetings suggested
 Follow FCC public policy for "gigabit communities"



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