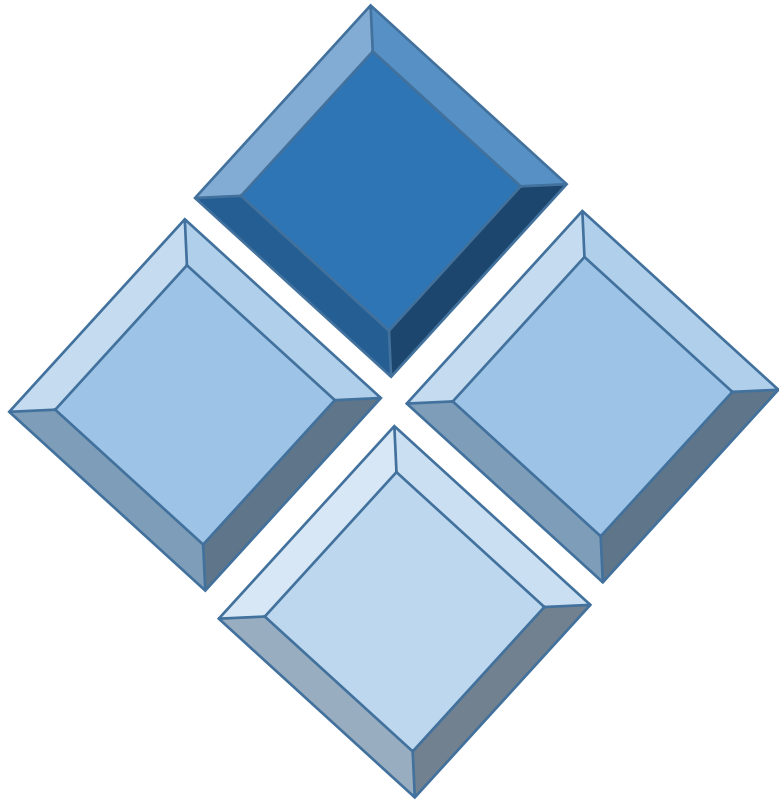


# NM Jobs Council Broadband Study Update



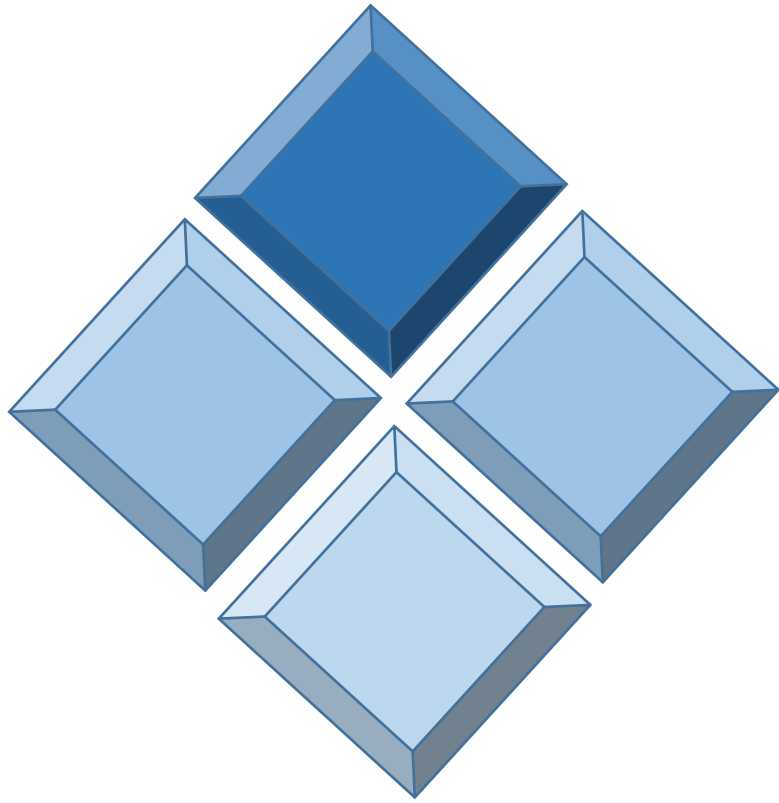
NM Legislature Interim Jobs Council

**Charles Lehman**  
**November 22, 2016**



- **Michael Archibeque**, Chief Information Officer, Public Education Department (PED)
- **Ferdi Serim**, Education Technology Director, PED
- **Robert Gorrell**, Director, NM Public School Facilities Authority
- **Gar Clarke**, New Mexico Broadband Program Manager, Department of Information Technology (DOIT)
- **Charles Lehman**, Program Consultant, Employment & Economic Information Center of New Mexico, LLC



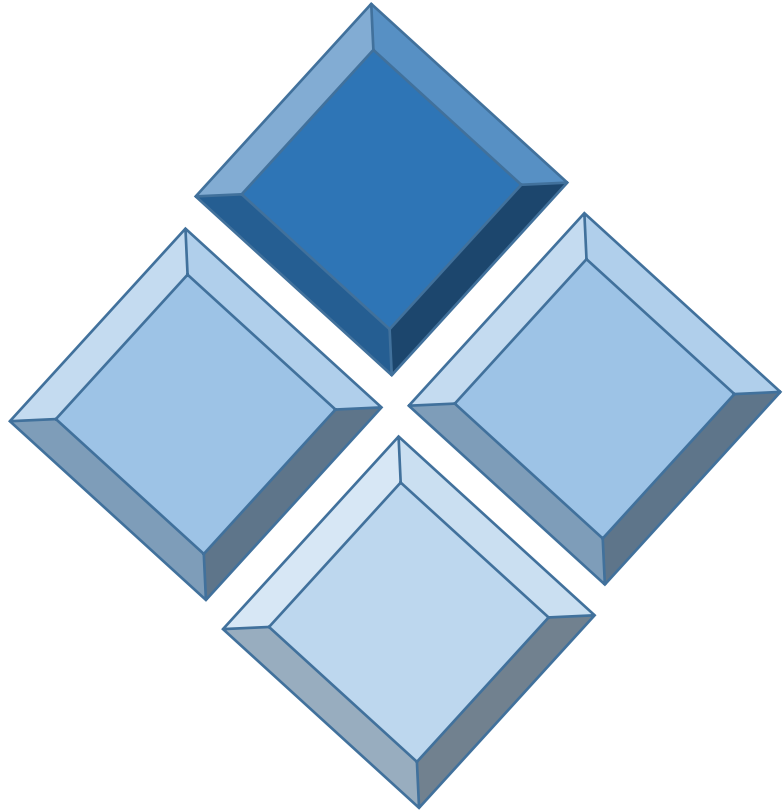


## **ECONOMIC DEVELOPMENT**

- **Needs and Deficiencies**
- **Comprehensive Plan Legislation**
- **Preliminary Contractor Recommendations**



**Employment & Economic**  
Information Center of New Mexico LLC



## TOP FACTORS OF PRODUCTION GAPS Economic Base Jobs at Stake

1) Capital	48,950 jobs
2) Workforce	46,950 jobs
3) <b>BANDWIDTH</b>	<b>43,600 jobs+</b>
4) Tax & Regulatory	43,350 jobs
5) Marketing & Sales	41,000 jobs
6) Land & Building inventory	21,750 jobs

Source: IJC Council Consensus Meetings

# ADEQUATE BROADBAND IMPORTANCE BY ECONOMIC BASE SECTOR

## CRITICAL

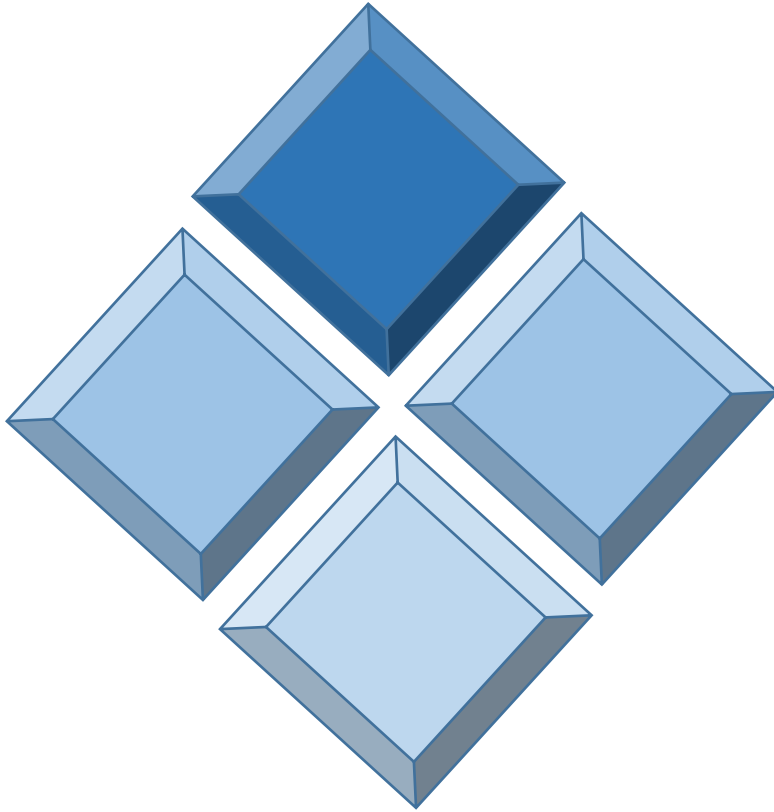
- Back Office Services
- Exported Services
- Solo-Independent Work
- Integrated IT & Cyber (Non-Government)
- Digital Media
- Emerging Technology (Non-Government)

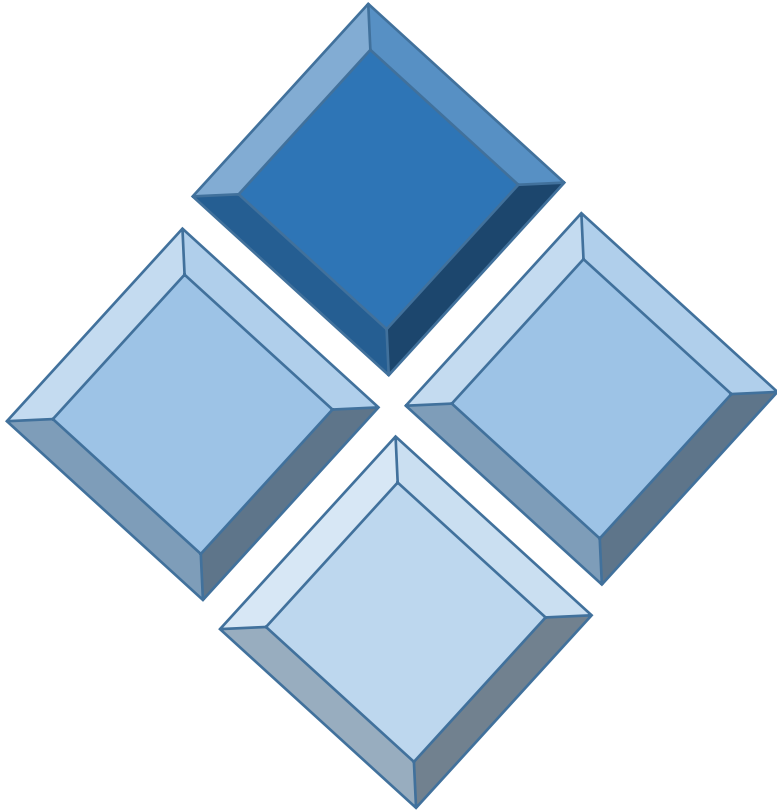
## ESSENTIAL

- Visitor Driven
- Manufacturing
- Health & Social Services

## NECESSARY

- Extractives
- Agriculture, Food, & Forestry
- Government
- Education Services
- Retirement





NEW MEXICO  
DEPARTMENT OF  
INFORMATION TECHNOLOGY

The New Mexico Broadband Program

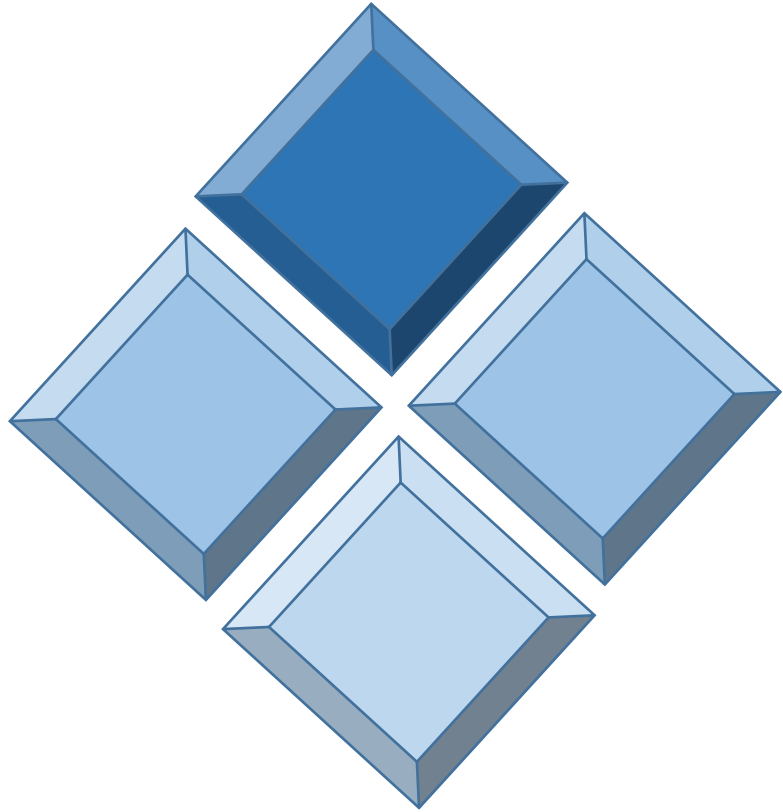
## Broadband Assessment and Recommendations: Education, Healthcare, and Economic Development

November 2013

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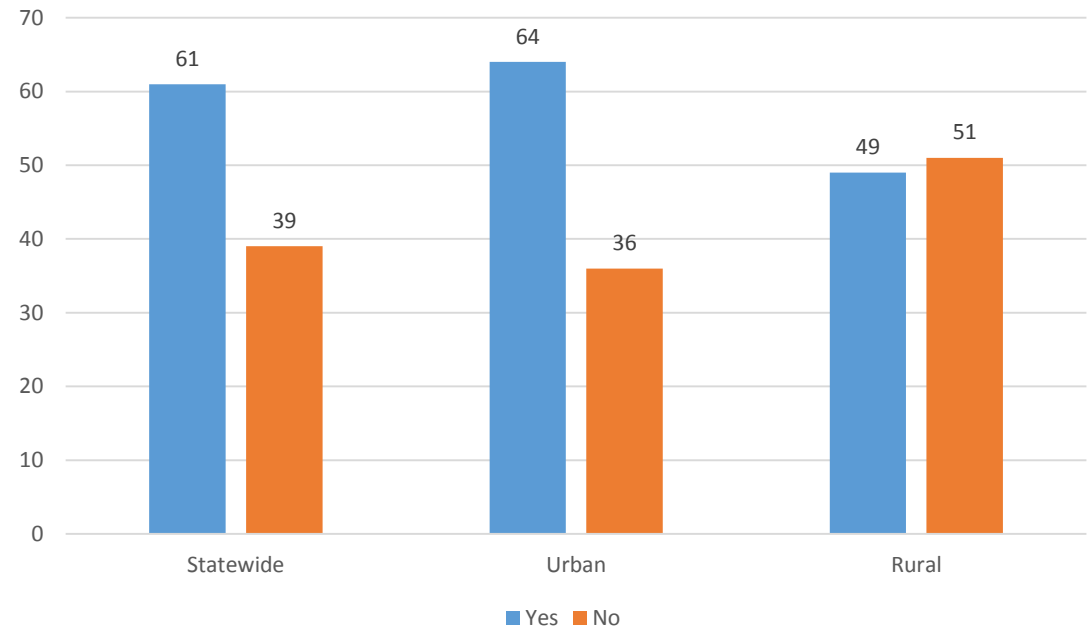
Prepared for:  
**The New Mexico Broadband Program**  
NM Department of Information Technology  
<http://www.doit.state.nm.us/broadband/>

Prepared by:  
**NM Technet** [www.nm.org](http://www.nm.org)  
**NM Telehealth Alliance** [www.nmtelehealth.org](http://www.nmtelehealth.org)  
**Employment and Economic Information Center of NM**  
**1st-Mile Institute** [www.1st-mile.org](http://www.1st-mile.org)  
**New Mexico First** [www.nmfirst.org](http://www.nmfirst.org)



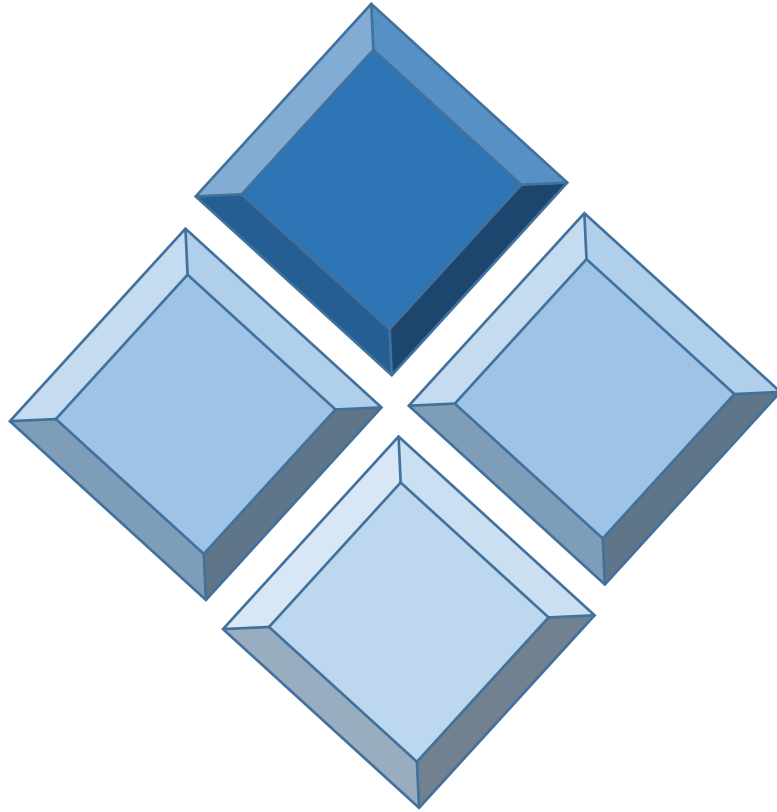
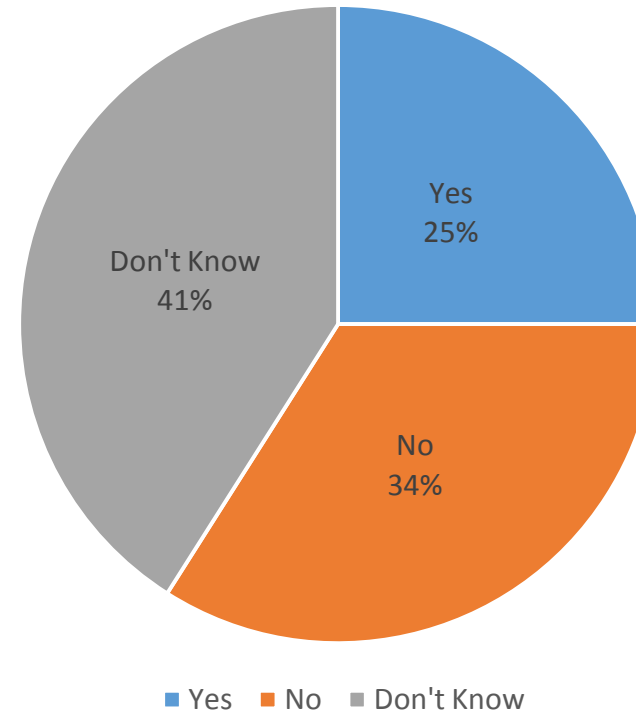
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## Is the internet service in your area adequate to meet the needs of businesses in your area?



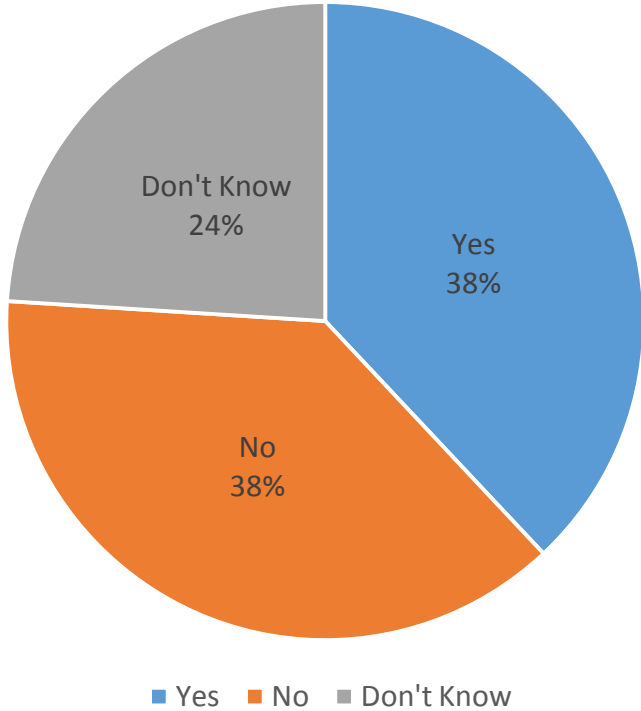
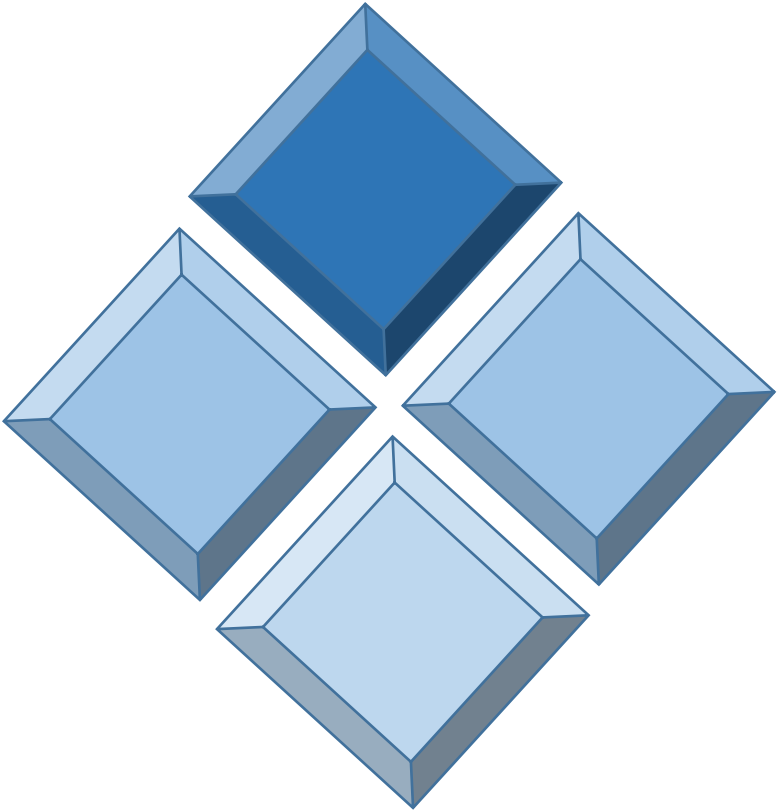
Source: Broadband Assessment & Recommendations:  
Education, Healthcare, and Economic Development  
NM DOIT November 2013

# Have you lost any business relocation or expansion opportunities due to technology/broadband limitations?





# Do you expect internet service in your area to be adequate in the next 1-3 years to meet business needs?



## ADEQUATE BROADBAND

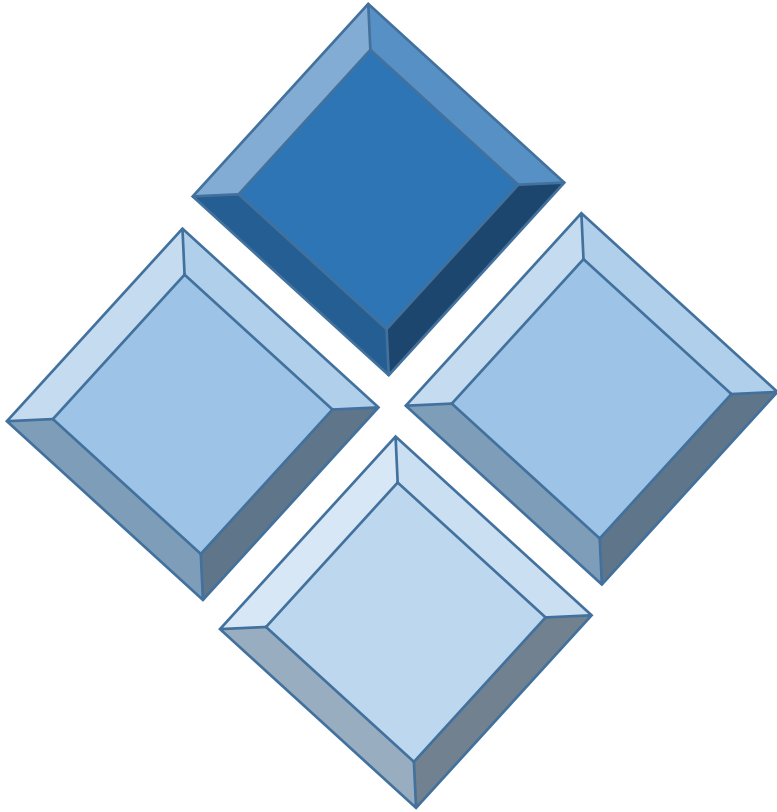
Residential 25/3 mbps down/up load  
Commercial 100/5 mbps FCC minimum

NM state ranking overall

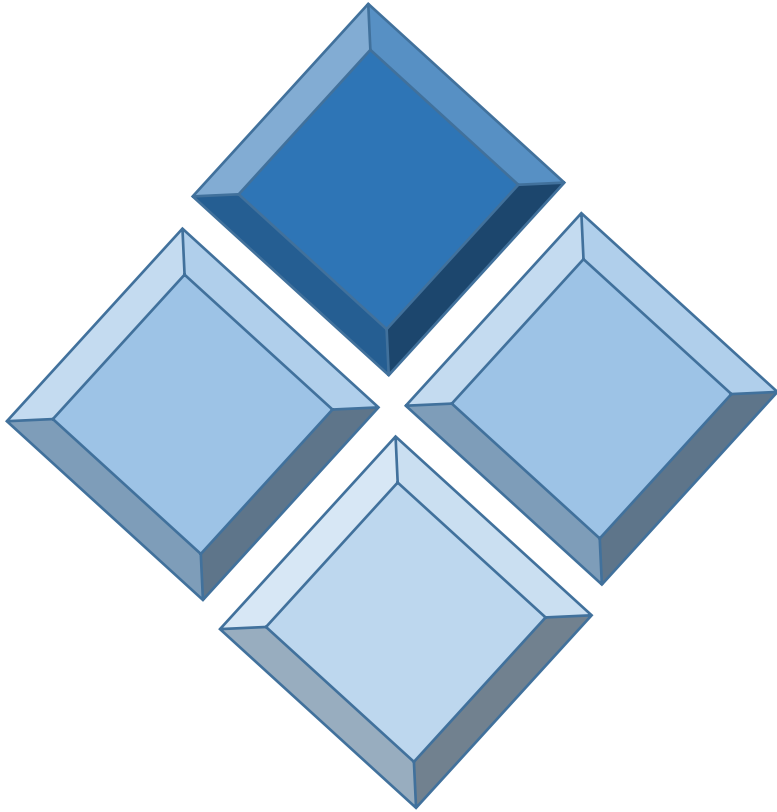
31<sup>st</sup> availability

36<sup>th</sup> adoption

48<sup>th</sup> speed



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## **BARRIERS**

- **COST**
- **TERRAIN**
- **LOW DENSITY**
- **EXPERTISE**
- **REGULATORY**

# BROADBAND POLICY RECOMMENDATIONS

- Loans and Grants
- Infrastructure Bank
- “Dig Once”
- “Single Truck Roll”
- Certified Buildings
- LEDA or BDEA
- Public Private Partnerships
  - Public and Enabled Private
  - Public Funding with Private Execution
  - Shared Risk

Source: Preliminary NM Broadband for Business Study CTC Technology and Energy Consulting  
for NM DOIT Office of Broadband and Geospatial Initiatives October 2016 Jobs Council Legislative Initiative