Project THOR Fact Sheet

- **Project THOR network**
  - Is a cooperative, middle-mile network connecting 10 Counties in NW Colorado
  - Is owned by NWCCOG, with access contracted to local partners,
  - Is operated by Mammoth Networks
  - Is a carrier-grade 100-gigabyte fiber loop (expandable to 200 gigs)
  - Is comprised of 400 miles of leased segments of existing public and private fiber
  - Is leasing 178 miles of CDOT fiber from Denver to Glenwood Springs
  - Is a “resilient” loop with equipment designed to reroute if cut occurs
  - Is bringing front range bandwidth at front range prices to local partners
  - To deliver reliable, resilient, affordable broadband to rural communities

- **Partners in the Co-Op**
  - Nine municipal and county governments, a special district and a Rural Electric Co-Op
  - Hosting a local connection to the network through a Meet Me Center Access Point
  - From that Access Point, local partners have a variety of options for ISP service
  - Some will provide local broadband service, others will negotiate with private partners

- **Why Project THOR**
  - Numerous outages across region completely cut off communities impacting governments, schools, businesses and public safety.
  - Non-competitive pricing compared to front range frustrates local customers
  - Local jurisdictions have no leverage currently to get incumbents to improve services
  - Rural area economies and quality of life are deeply impacted by poor broadband
  - Resolves issues of a single fiber cut or single service provider outage cutting off entire region from access to the internet and other non-voice essential services
  - Towns and population centers are rural, distant and dispersed rural broadband market is not profitable for most providers and suffers for a lack of private investment
  - Public dollars and local governments have power to change that equation through THOR
  - Glenwood springs, Rio Blanco County and others already operate public networks which lack reliable middle mile services to connect them
  - Many jurisdictions are already paying more for non-resilient middle mile today
• **Data Points**
  o Project THOR has the potential to reach 20% of landmass of state: 233,191 people
  o The 10 Counties have 23% of non-front range population - 4% of total state population

• **Funding Project THOR**
  o NWCCOG received $1 M from State of Colorado Department of Local Affairs for Project THOR Startup
  o Project THOR first three years of CDOT Fiber lease also paid by a grant from DOLA
  o THOR Startup costs are matched by approximately $1.5 M in local community dollars
  o Monthly recurring costs paid by each jurisdiction will keep project operational

• **Project Partners**
  o Government
    ▪ City of Aspen
    ▪ City of Glenwood Springs
    ▪ Clear Creek County
    ▪ Town of Eagle
    ▪ Town of Breckenridge (with Summit County)
    ▪ Town of Vail
    ▪ Summit County
    ▪ Routt County and NW Colorado Broadband
    ▪ Town of Steamboat Springs
    ▪ Rio Blanco County
  o Special Districts and Rural Electric Cooperatives
    ▪ Middle Park Health
    ▪ Yampa Valley Electric Association
  o Funding Partners
    ▪ Colorado Department of Transportation (CDOT) with reduced fiber lease costs
    ▪ Colorado Department of Local Affairs with Startup Grant Funding
    ▪ NWCCOG Membership and Partner Counties which funded planning for THOR