



SAFE AND CONNECTED



NEVADA BROADBAND SUMMIT

November 6, 2017
Carson City, Nevada



Nevada Governor's
Office of Science,
Innovation and
Technology





SB 53 - Fiber Sharing



Jojo Meyers Campos
OSIT

Denise Inda
NDOT



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SB 53

Modified definitions to include fiber optics and related infrastructure

- ◆ Information System
- ◆ Transportation System
- ◆ Highway



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EXPANDED OSIT ROLE

- ◆ Develop strategic plan for broadband services
- ◆ Apply for federal/state funding for broadband expansion
- ◆ Expand fiber infrastructure for telehealth and communications systems
- ◆ Manage data related to fiber optic assets
- ◆ Administer fiber trade policy
- ◆ Chair and support the Technical Advisory Council (TAC)



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TECHNICAL ADVISORY COMMITTEE (TAC)

- ◆ 7 agency members
- ◆ Appointment of members complete
- ◆ Meet in 2018
- ◆ TAC roles
 - Assist NDOT in planning
 - Assist NDOT in establishing value
 - Approve interstate agreements
 - Coordinate state agency and telecom provider efforts



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NDOT AUTHORITY

Grant longitudinal access for use of conduit, facilities and wireless access for fair compensation

- ◆ Develop regulations and policies
- ◆ Enter into an agreement
- ◆ Issue an encroachment permit



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CONTENT OF AGREEMENT

- ◆ Terms of renegotiation
- ◆ Terms of maintenance
- ◆ Term of 30 years or less
- ◆ Does not grant a property interest in a r/w
- ◆ Fair, reasonable, competitively neutral, and nondiscriminatory compensation



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COMPENSATION

- ◆ Based on a fair-trade value
- ◆ Interstate: cash or in-kind compensation
- ◆ Non-interstate: in-kind compensation
- ◆ Monetary compensation placed in the Highway fund
- ◆ In-kind compensation used for statewide telecommunications purposes



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- ◆ Establish NDOT regulations & policies
- ◆ Develop valuation formula
- ◆ Identify NDOT needs & priorities
- ◆ Identify state needs & priorities
- ◆ Coordinate with OSIT and TAC
- ◆ Coordinate with telecom industry



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Trade, trade, trade



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FIBER TRADE EXAMPLE

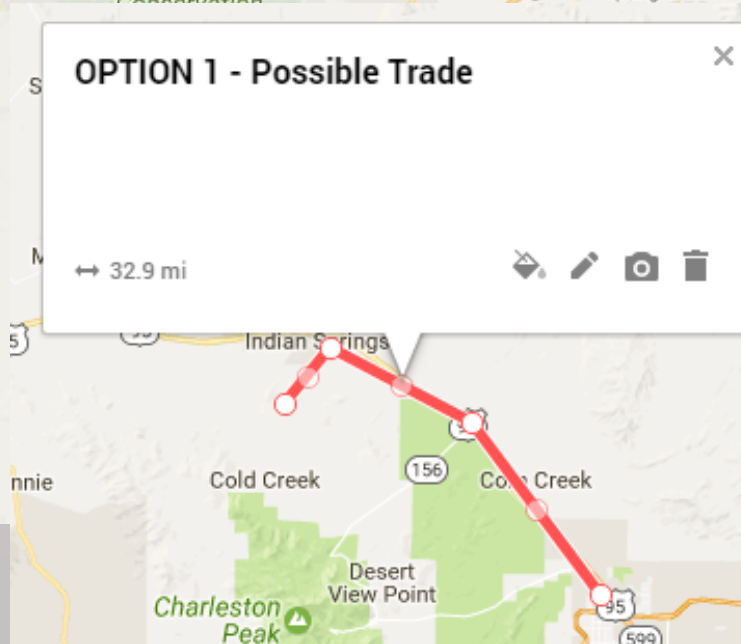
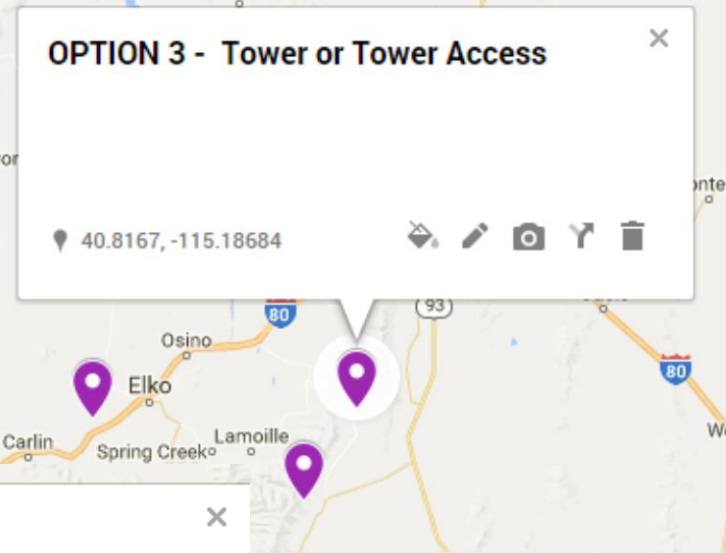
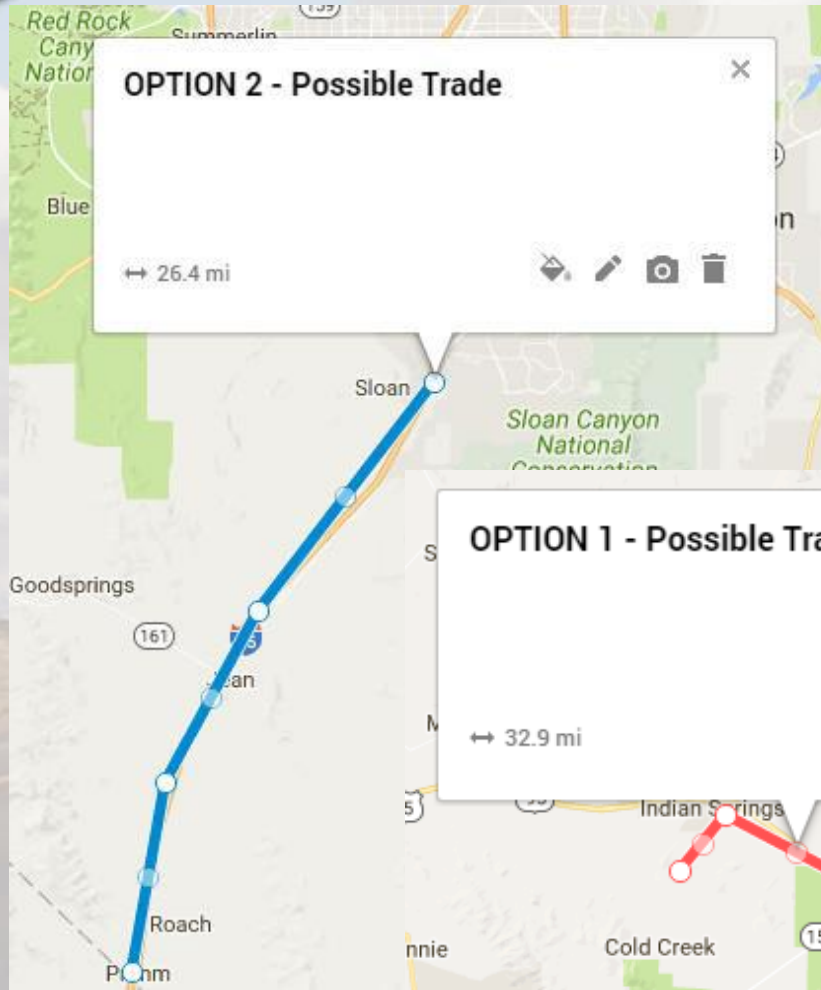


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FIBER TRADE EXAMPLE



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- ◆ Bi-annual planning meetings with providers and state & local agencies
- ◆ Establish single POC to simplify inquiries
- ◆ Establish r/w valuations with 5 yr updates
- ◆ Maximize effectiveness of trades
- ◆ Keep trade balance sheet

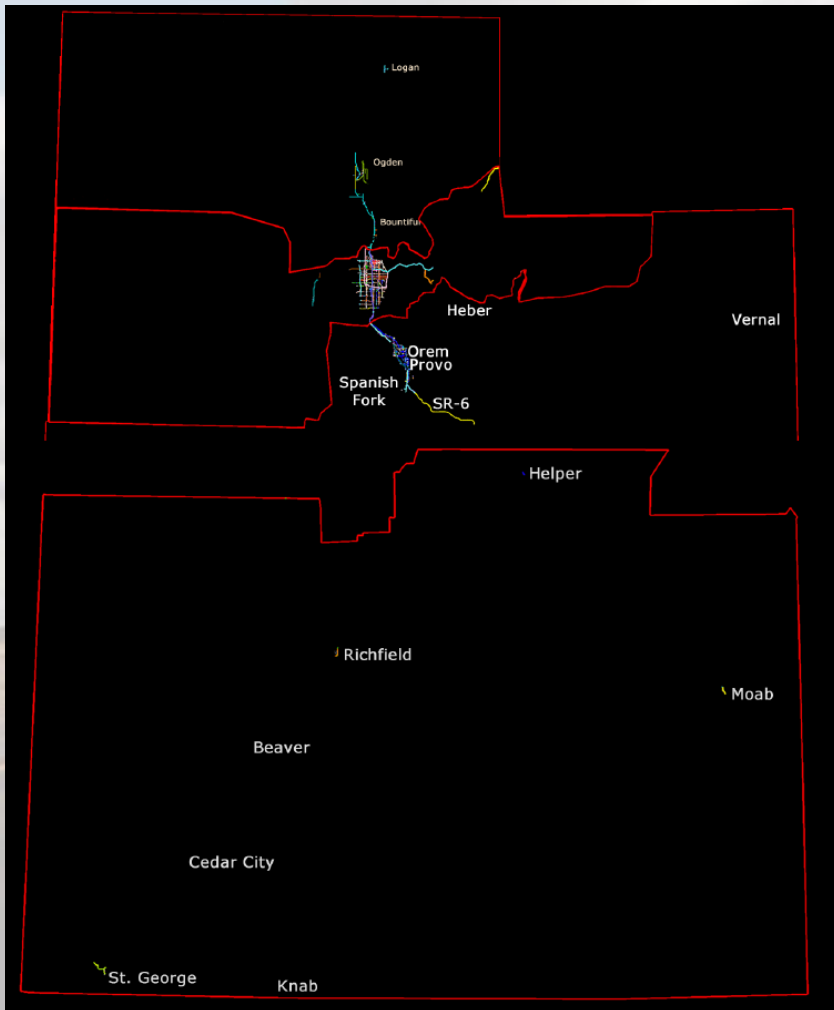


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EX: UTAH, 2006



- ◆ ~631 miles Fiber/Conduit
- ◆ ~100 miles Fiber/Conduit Traded

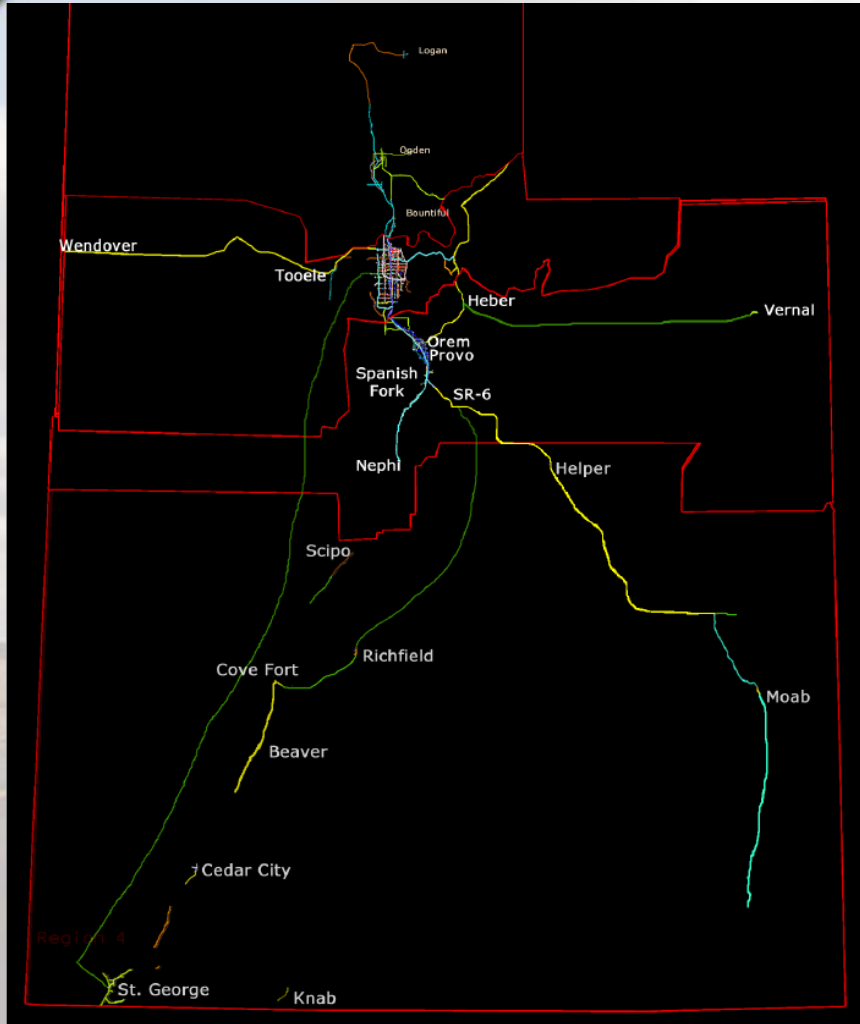


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EX: UTAH, 2015



- ◆ ~960 miles Fiber/Conduit
- ◆ ~1,000 miles Fiber/Conduit Traded



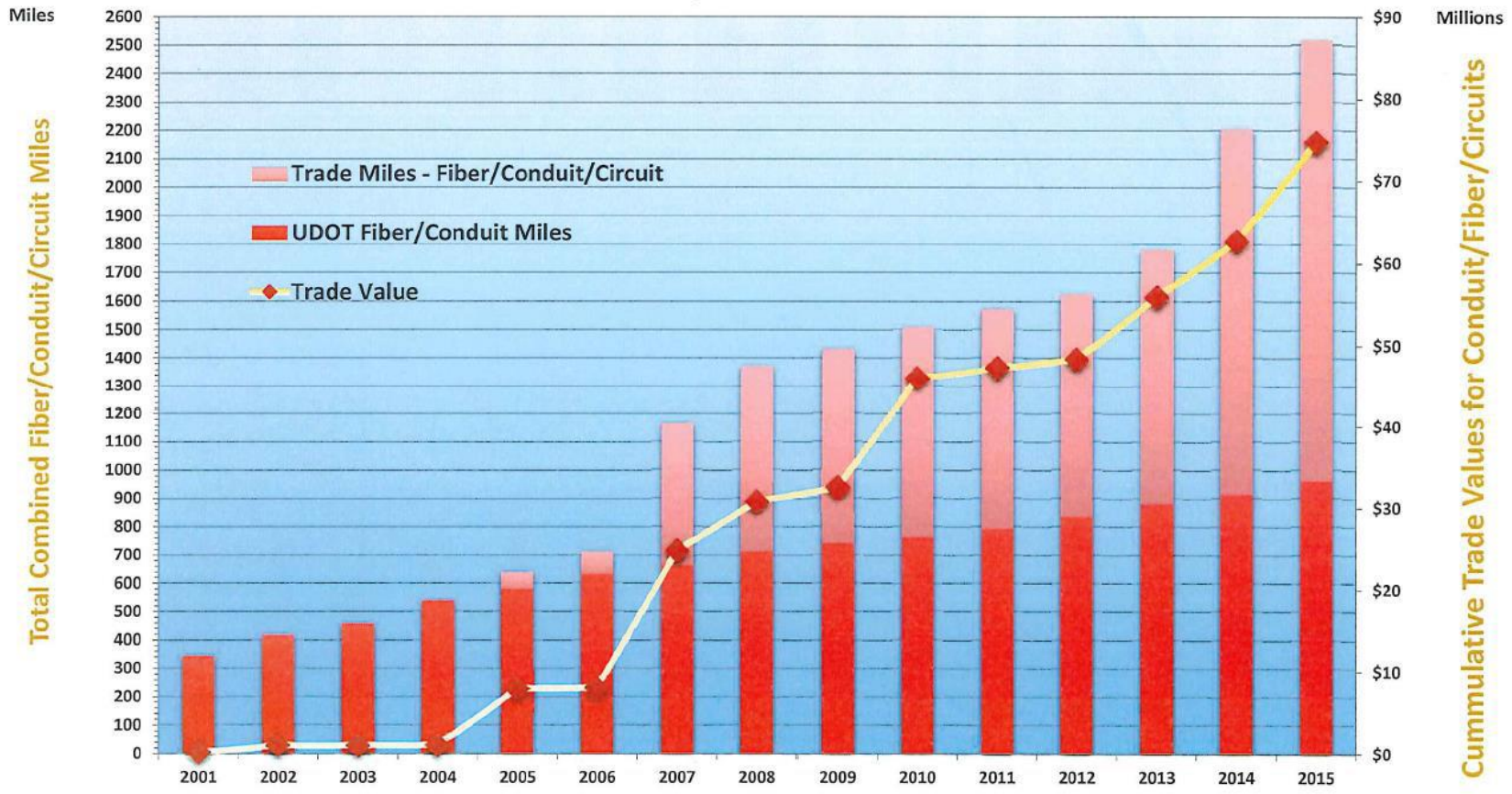
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NDOT IMPLEMENTATION

UDOT's Fiber Optic Network 15 Years



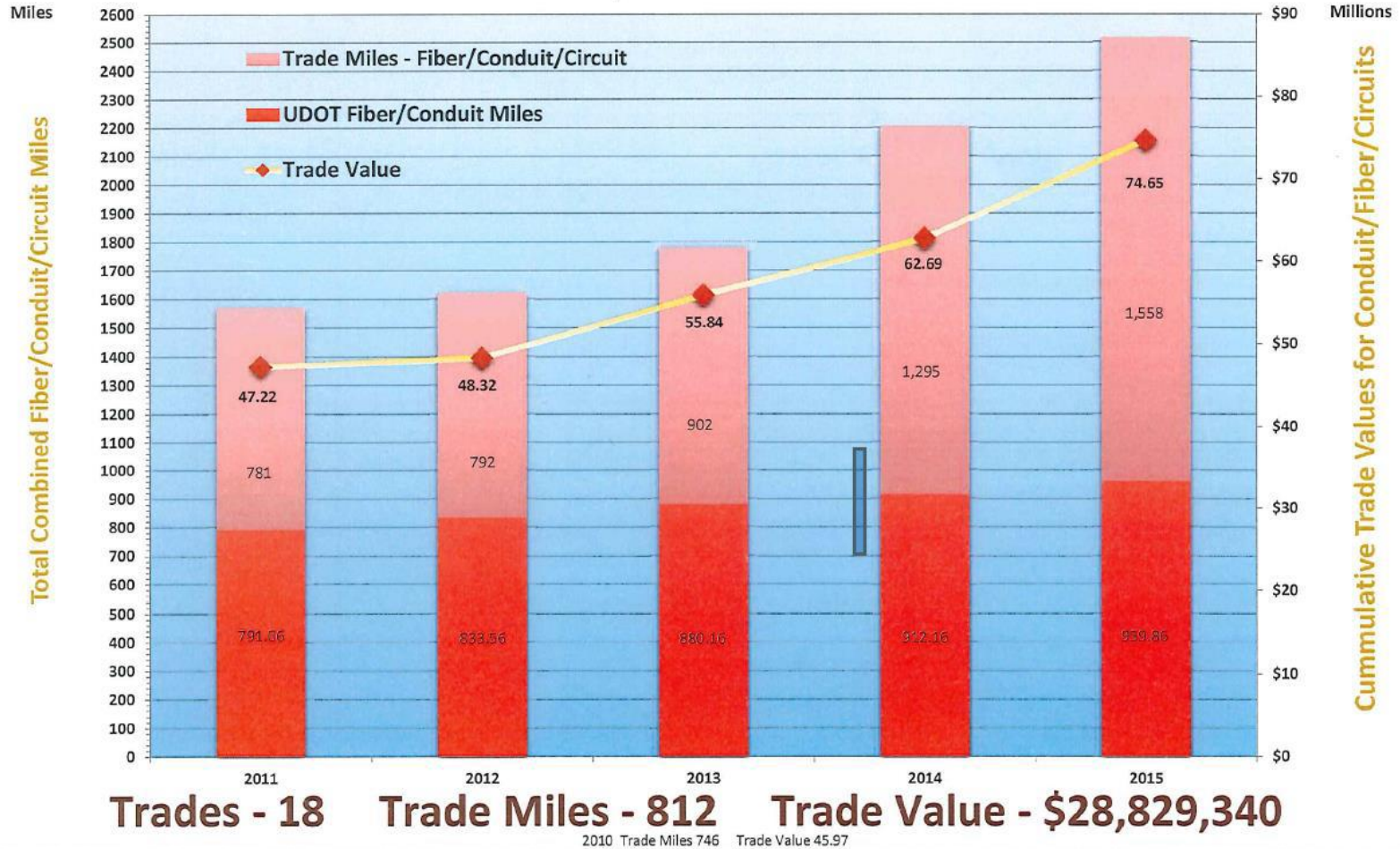
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RETURN ON INVESTMENT

UDOT's Fiber Optic Network 2011-2015



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BENEFITS

- ◆ Expands infrastructure statewide
- ◆ Reaches underserved and unserved areas
- ◆ Attracts fiber telecom providers to cities and counties
- ◆ Reduces costs through coordinated construction efforts



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SUCCESSSES

- ◆ Utah
- ◆ Arizona
- ◆ Minnesota
- ◆ City of Boston, MA
- ◆ City of Berkeley, CA
- ◆ City of Bellevue, WA
- ◆ Arlington County, VA
- ◆ City of San Francisco, CA



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