How Can States Help Ensure the Transportation Transition is Equitable?

• Moderator:
  • Patricio Portillo, Policy Analyst, National Governors Association

• Speakers:
  • Tracy Larkin-Thomason, Deputy Director, Nevada Department of Transportation
  • Hana Creger, Environmental Equity Program Manager, The Greenlining Institute
  • Gregory Rodriguez, Attorney, Best Best & Krieger
Advancing Connectivity in Nevada

Tracy Larkin-Thomason, PE
Deputy Director
Nevada Department of Transportation
Nevada

- 17 Counties
- 87% Federal Lands
- 3 Million People
  - 2.3M Clark County (Las Vegas)
  - 500,000 Reno/Sparks/Carson
  - 200,000 across 14 counties
BROADBAND SPEEDS
92.5% Nevadans have access to broadband 25 mbps or faster
90.3% Nevadans have access to broadband 100 mbps or faster
10.4% Nevadans have access to 1 gig

WIRED COVERAGE
13.2% Nevadans have access to fiber-optic service
91.8% Nevadans have access to cable service
90.4% Nevadans have access to DSL service

WIRELESS COVERAGE
97.4% Nevadans have access to fixed wireless service
Can Municipalities build networks – YES

Number of Smart Meters: 1,289,303 (Nevada Power- 935,732; Sierra Pacific 353,571)
Facts:
220,000 Nevadans without access to a wired connection capable of 25 mbps download speeds
225,000 Nevadans with access to only one wired provider
100,000 Nevadans do not have any wired internet providers available where they live

NATIONAL CENTER FOR EDUCATION STATISTICS - update 2015
Nevada Households-1,042,100
Households with computer (includes smart phone)-933,200
Households with internet access-822,000

BROADBAND ECONOMISTS, STRATEGIC NETWORKS GROUP- published February 2017
SNG ranked Nevada #18 overall out of the 50 states. Criteria included: Availability, Adoption, Driving Meaningful Use, Growth Investment, and Regulation
Equity in Services

Broadband Service:

• To coordinate the planning, mapping and procurement of broadband to ensure connectivity across Nevada for schools, libraries, hospitals, clinics, and communities meet national standards.

• Educational Connectivity:
  • Nevada Connect Kids Initiative
    • Sufficient – 100 kbps/student
    • FCC recommended – 1Mbps/student
  • Works with every school district
  • Brought in $1.25 dollars in federal broadband dollars
    • 63 miles of fiber-optic cable funded
    • 602 schools helped
Telehealth

Works with rural Native American Tribes/Colonies, remote and rural hospitals, and the Department of Corrections to provide necessary bandwidth and telecommunications for a robust telemedicine program (goal 2025)

- Remote patients and facilities can more easily obtain clinical services
- Federal reimbursements are available to make rural costs equitable to urban providers (reimburses difference in costs)
- Helps equalize the distribution of limited healthcare providers

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SB 53 – Providing Conduit for Fiber (2017)

• Allows NDOT to pursue fiber sharing trade agreements with telecommunications companies within state right-of-way.

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

• Develop regulations and policies

• Enter into agreements

• Issue encroachment permits
Thank You

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WHY RACIAL EQUITY MATTERS IN MOBILITY

Hana Creger – The Greenlining Institute – NGA
Building a nation where communities of color thrive and race is never a barrier to opportunity.
1. NAME OF CITY       OAKLAND, CALIFORNIA       SECURITY GRADE       RED       AREA NO. D-18

2. DESCRIPTION OF TERRAIN. Level

3. FAVORABLE INFLUENCES. Convenience to schools, local shopping districts, local and San Francisco transportation; proximity to industry increases demand for class of residences in this area.

4. DETRIMENTAL INFLUENCES. Infiltration of Negroes and Orientals (see below). Many cheap type cottages and old homes detract from otherwise generally fair appearance of area. Distance from Metropolitan center.
FAMILY WEALTH BY RACE
TRANSPORTATION EVOLUTION

2011
Electric Vehicles

2018
Mobility Equity Framework

2019
Autonomous Vehicles
THE CHARGE AHEAD
CALIFORNIA INITIATIVE

SB 1275 - DE LEÓN (2014)
Increase electric vehicle access in low-income communities of color
ELECTRIC VEHICLES

17+ PROJECTS

$280M+

$500M+

- Vouchers up to $9,500 for new or used EVs
- Electric carshare and school buses
- Rural electric vanpools
- Charging infrastructure in low-income communities
SHARED MOBILITY
MOBILITY EQUITY FRAMEWORK

Step 1
- Determine Community-Identified Mobility Needs
- Educate Community on Mobility Equity
- Community Brainstorms Project Ideas

Step 2
- Equity Analysis of Projects
- Prioritization of Projects
- Project Proposals

Step 3
- Voting
- Community Decision-Making

Community Needs Assessment

Mobility Equity Analysis
AUTONOMOUS VEHICLES
REPORTS & TOOLS

- Electric Vehicles for All: An Equity Toolkit
- Delivering Opportunity: How Electric Buses and Trucks Can Create Jobs and Improve Public Health
- Mobility Equity Framework: How to Make Transportation Work for People
- Making Equity Real in Mobility Pilot Projects
- Autonomous Vehicles Heaven or Hell? Creating a Transportation Revolution that Benefits All
How Can States Help Ensure the Transportation Transition is Equitable?

Gregory Rodriguez
NGA Transportation Technology Workshop
RECOGNIZING VALUE OF TRANSPORTATION
EXISTING FOUNDATIONS
NEW OPPORTUNITIES
UPDATING FOUNDATIONS

• **Safe Integration** – What is safe enough?
• Preemption – Too early?
• Right-of-Way Regulation
  • Connection to wireless deployment
  • **Interoperability**
• **Tax and Revenue**
  • Paying for infrastructure
  • Congestion / Curb Management Fees
• **Privacy and Data Sharing**
• **Terms of Use** (i.e. mandatory arbitration)
• TNC Regulations – Agency jurisdiction?
• Equity and Access – More than just talking points!
• Public Trust / Adoption
• “Public Transportation”
HOW TO RECONCILE?

PEOPLE

VS

“SCALING UP”
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