

Sustainable Mobility Options to the Nation's Largest Industrial Center

Carol Perry

*Regional Transportation Commission
of Washoe County*

*Trip Reduction Analyst
Reno, NV*

Bus & Paratransit Conference

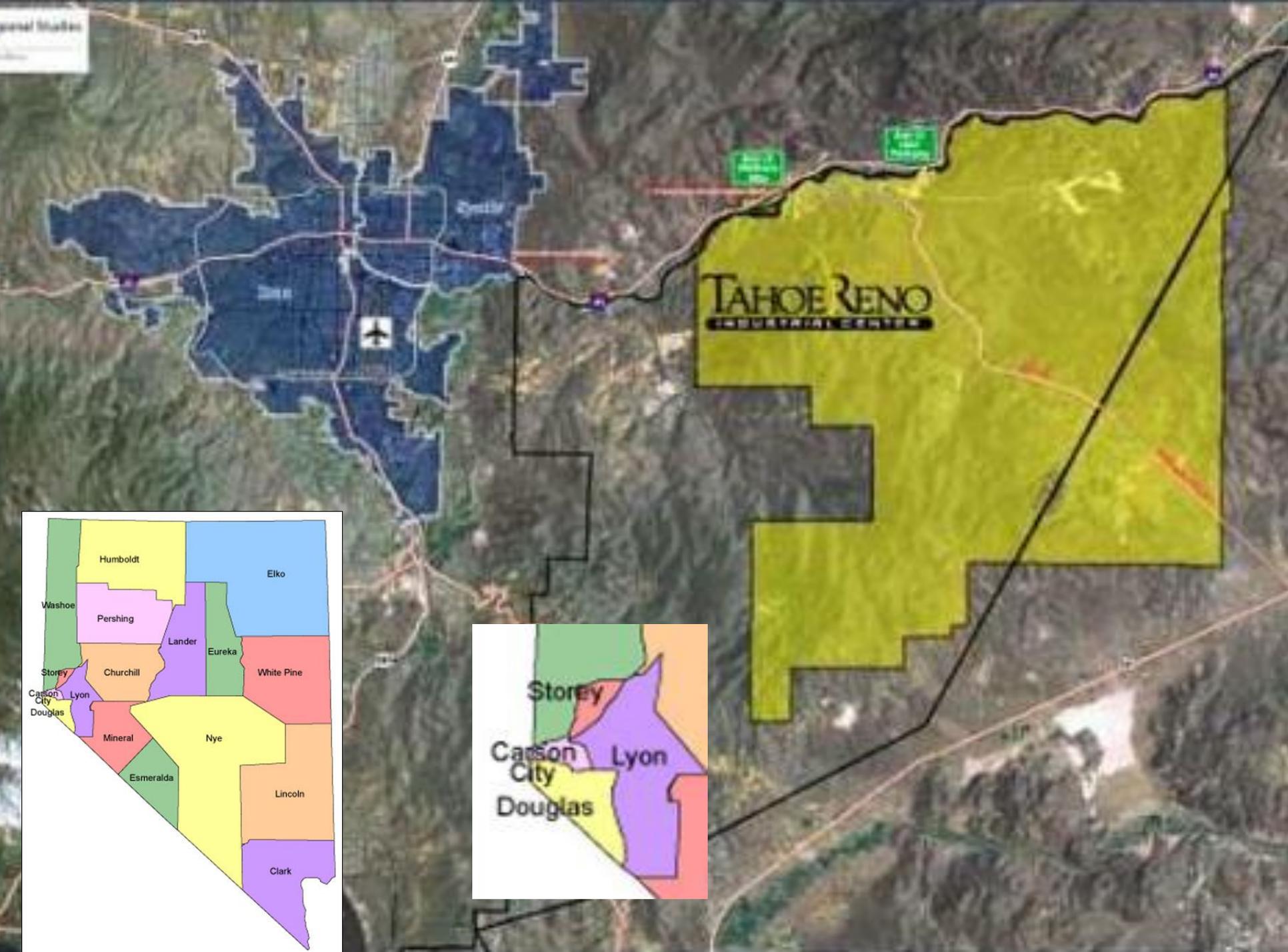


TAHOE RENO
INDUSTRIAL CENTER
WORLDS LARGEST



AMERICAN
PUBLIC
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2017 Bus & Paratransit Conference - Reno, NV





Unique Development Protocol Accelerates Fast Growth

- Building permits within 30 days
- Agreements have no termination dates
- Low property tax
- Utilities already in
- Walmart DC - 1 million sq ft built in 6 months despite major design change halfway

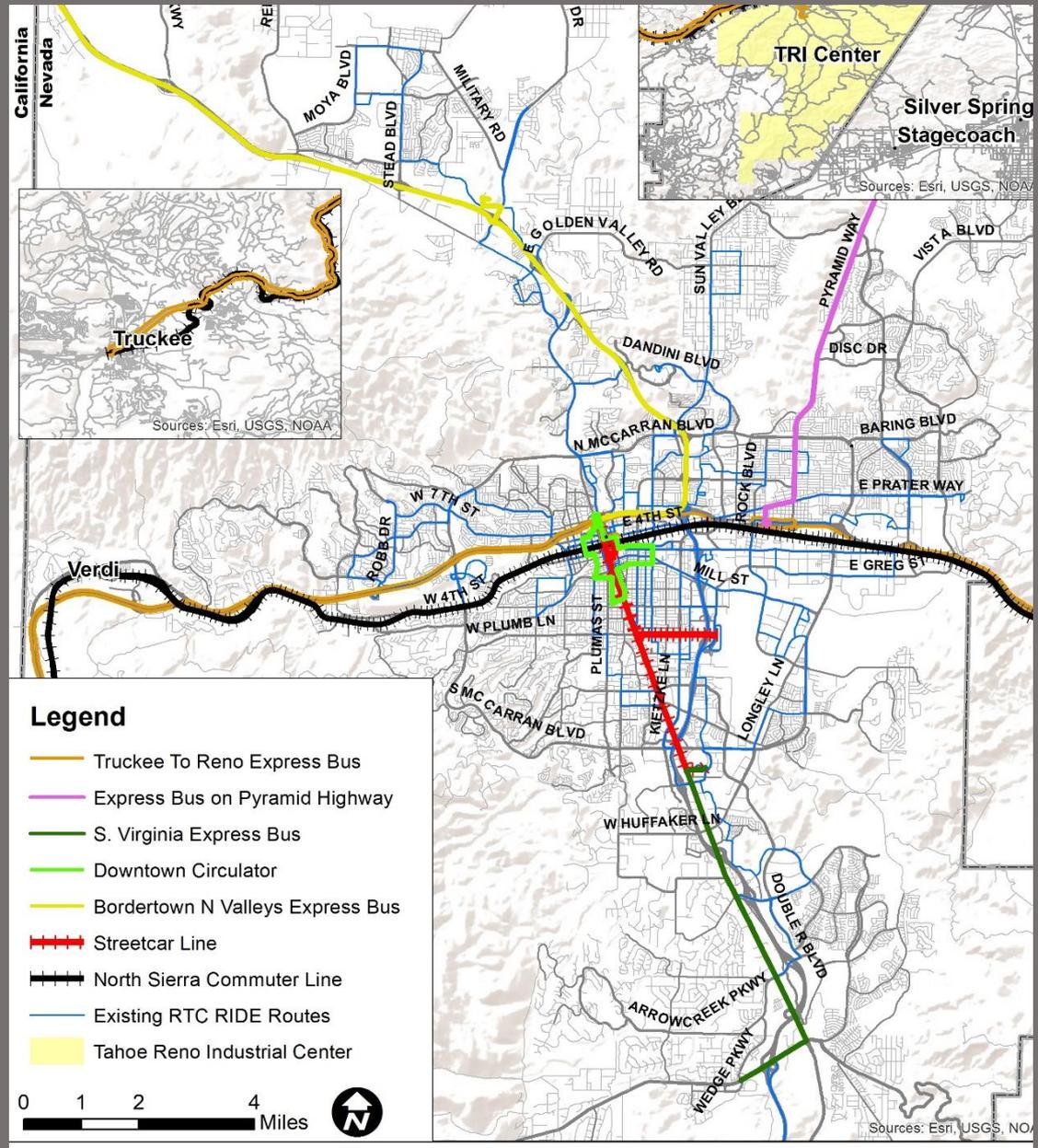




**Estimated cost of 2 express buses to just inside the park -
\$1.8 million capital; \$272 thousand annual operating**

Transit Expansion Unfunded Needs

- Truckee to Reno Express Bus
- Pyramid Highway Express Bus
- S Virginia Express Bus
- Downtown Circulator
- Bordertown N Valleys Express Bus
- Street Car Line
- North Sierra Commuter Line





Current Travel Mode Options

- SOV
- Carpooling
- Transportation Network Companies (Uber, Lyft)
- Employer shuttles
- Vanpooling





775-348-POOL
rtcvanpool.com

RTC VANPOOL Program

- Launched in July 2005 – two vans
- Contractor, vRide, provides vehicles & pays for maintenance and insurance and assists with marketing
- Participants split the cost of the vehicle lease and gas expenses
- RTC provides a subsidy to lower participant costs

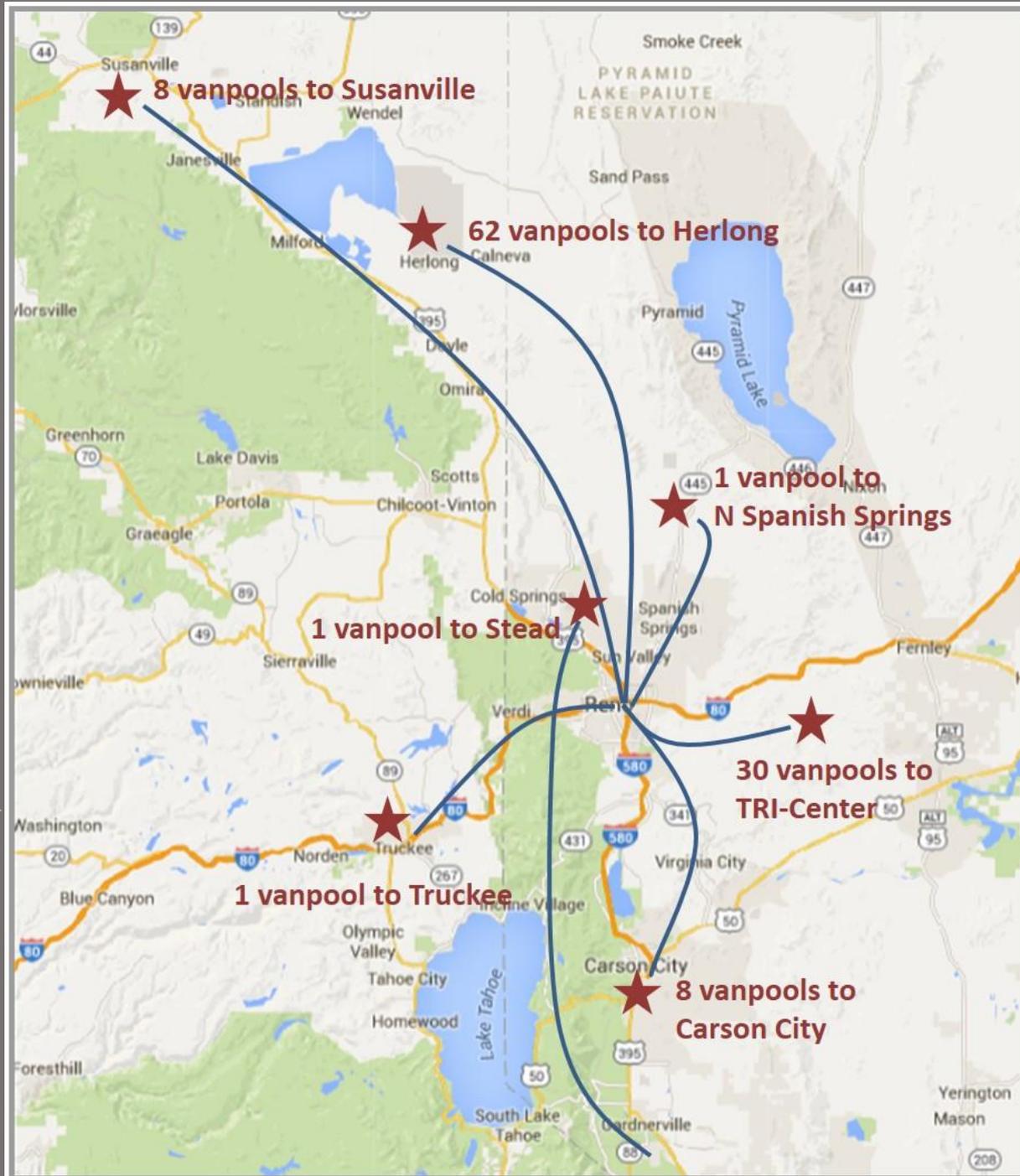
Program Growth

111 VANS

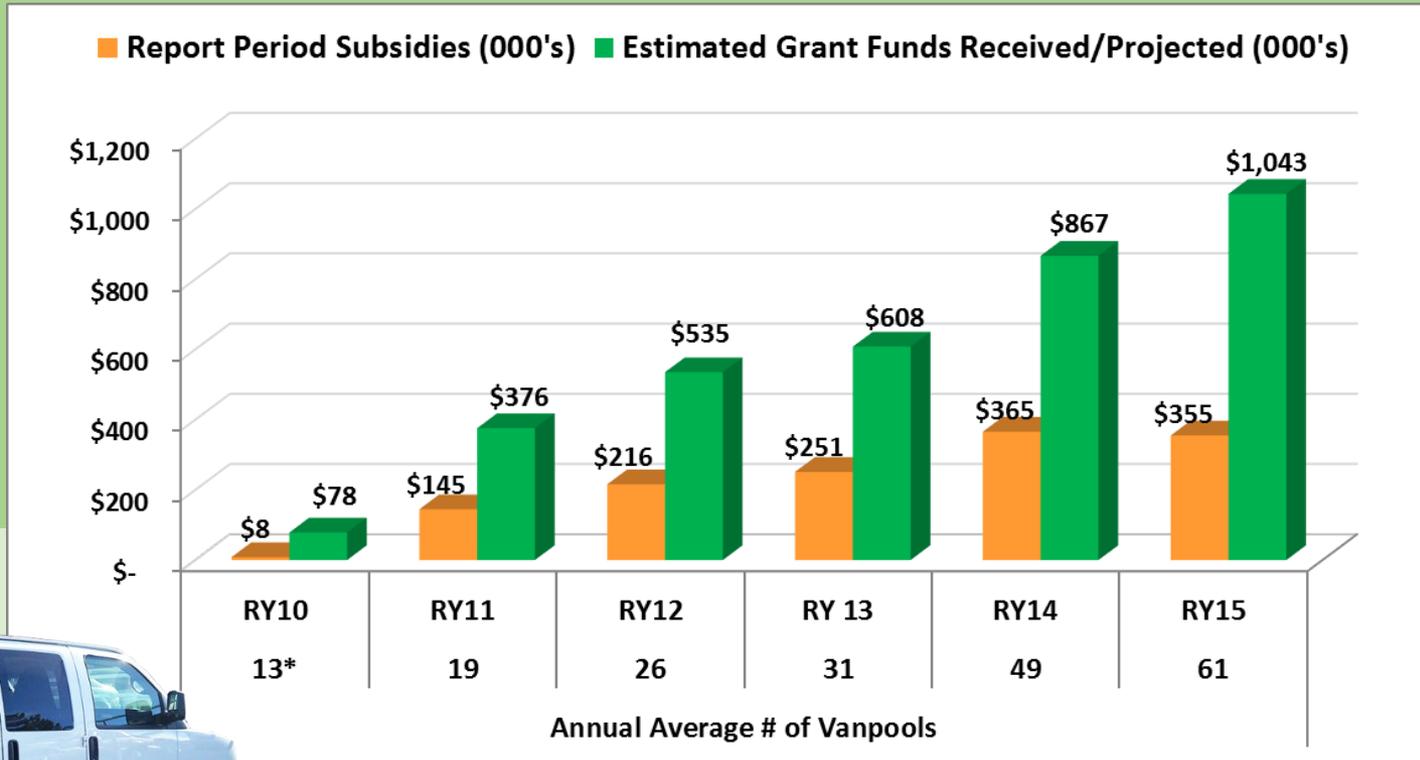
327%

Total program growth
Oct 2012 to May 2017

TRI-Center
vanpools
now 27%
of fleet



RTC VANPOOL PROGRAM

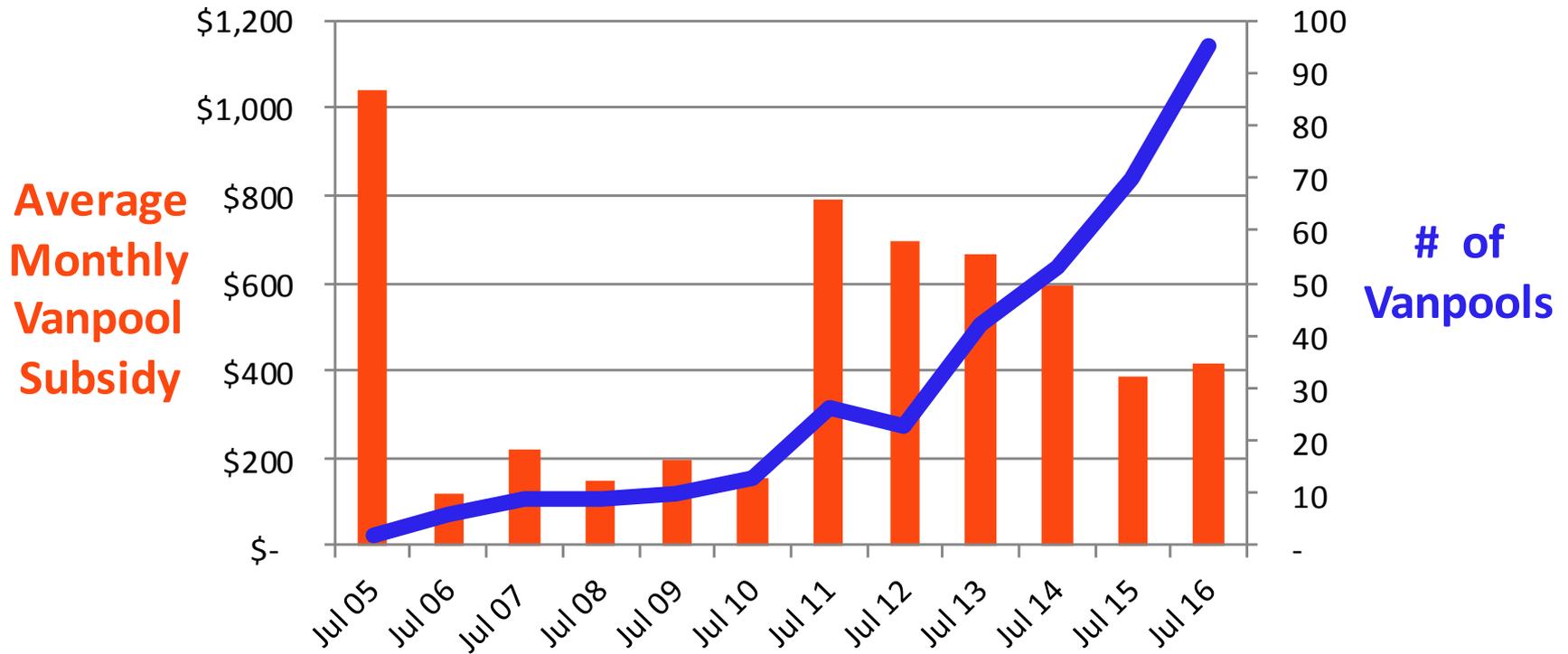


*Partial report year

Note: there is usually a two-year delay between reporting transit data to NTD and associated grant fund receipt.

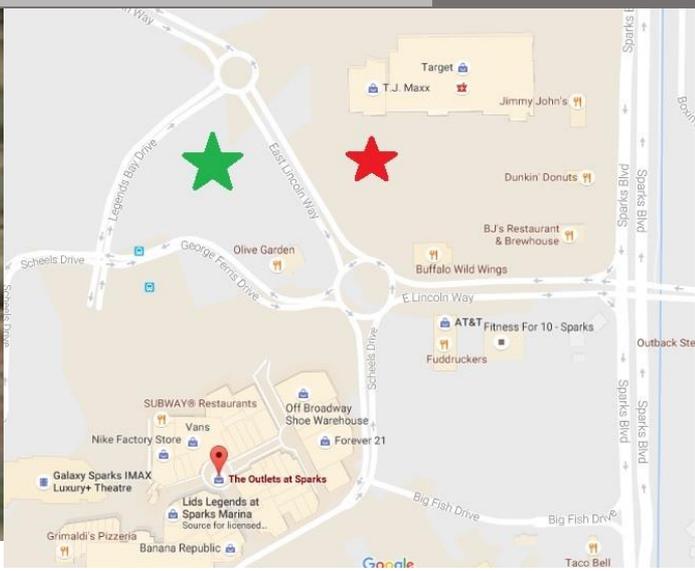
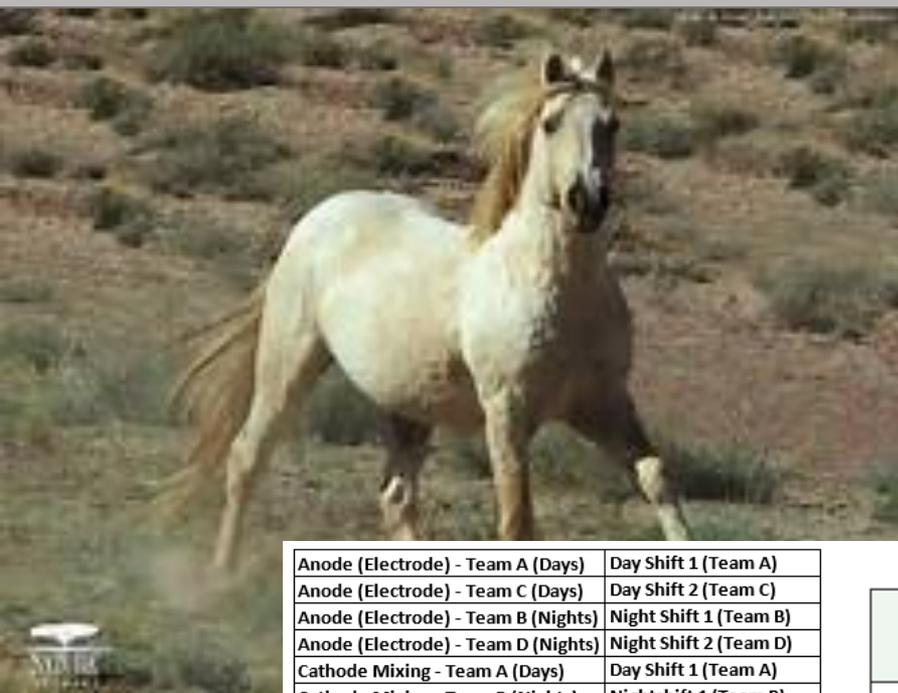
Subsidy Impact on Program Growth

RTC VANPOOL Subsidy History



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Additional Mobility Challenges



Anode (Electrode) - Team A (Days)	Day Shift 1 (Team A)
Anode (Electrode) - Team C (Days)	Day Shift 2 (Team C)
Anode (Electrode) - Team B (Nights)	Night Shift 1 (Team B)
Anode (Electrode) - Team D (Nights)	Night Shift 2 (Team D)
Cathode Mixing - Team A (Days)	Day Shift 1 (Team A)
Cathode Mixing - Team B (Nights)	Nightshift 1 (Team B)
Assembly - Team A (Days)	Day Shift 1 (Team A)
Assembly - Team C (Days)	Day Shift 2 (Team C)
Assembly - Team B (Nights)	Night Shift 1 (Team B)
Assembly - Team D (Nights)	Night Shift 2 (Team D)
Top Cap - Team A (Days)	Day Shift 1 (Team A)
Top Cap - Team C (Days)	Day Shift 2 (Team C)
Top Cap - Team B (Nights)	Night Shift 1 (Team B)
Top Cap - Team D (Nights)	Night Shift 2 (Team D)
Top Cap - Monday - Friday (Days)	Monday - Friday (Days)
Top Cap - Monday - Friday (Swing)	Monday - Friday (Swing)
Top Cap - Monday - Friday (Nights)	Monday - Friday (Nights)

	2015	2040	Percent Change
Washoe County population	441,946	559,995	26.7%
Washoe County employment	265,878	365,354	37.4%
TRI Center employment	4,920	33,906	589.1%

Formation/Visual Inspection- Team A (Days)	Day Shift 1 (Team A)
Formation/Visual Inspection - Team C (Days)	Day Shift 2 (Team C)
Formation/Visual Inspection - Team B (Nights)	Night Shift 1 (Team B)
Formation/Visual Inspection- Team D (Nights)	Night Shift 2 (Team D)
Cathode (Coating) - Team A (Days)	Day Shift 1 (Team A)

Northern Sierra Commuter Line

Phase 1: Estimated Costs - \$657 million capital; \$2.6 million annual operating



ADVANCED MOBILITY PLANNING

- Autonomous bus research with UNR
- Electric vehicle infrastructure
- Shared mobility
- Autonomous vehicles



Key Take-Aways

- Establish partnerships & perform long-range planning
- Be flexible – life is what’s going on while we’re making plans
- Recognize vanpools as public transit option
 - Educate re positive revenue generating capability
 - Market a simple subsidy approach
 - Be willing to invest in the program
- Keep planning, adapting, and expanding mobility options