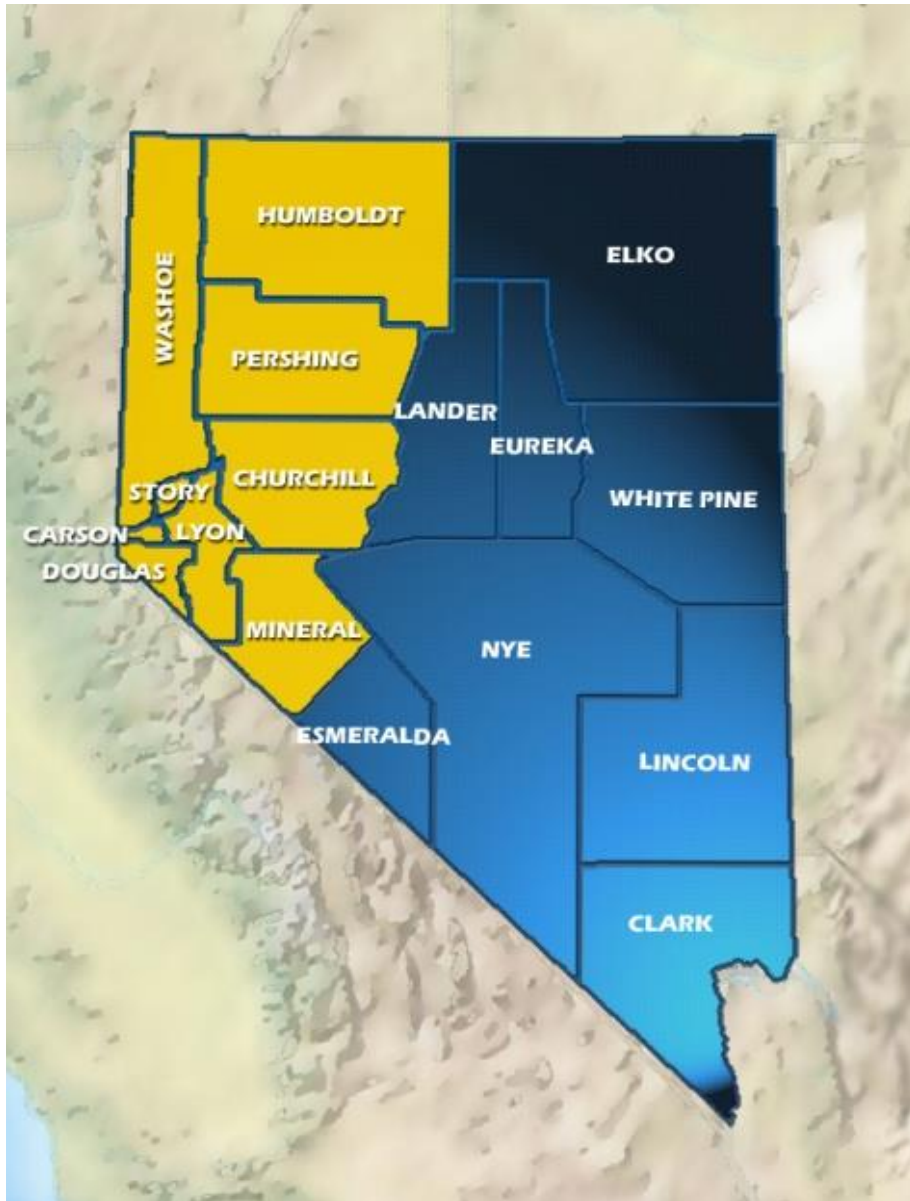


UPDATE  
COMPREHENSIVE ECONOMIC DEVELOPMENT STRATEGY  
WESTERN NEVADA DEVELOPMENT DISTRICT  
February 2017



Western Nevada Development District  
704 West Nye Lane, Suite 201  
Carson City, Nevada 89703

COMPRHENSIVE ECONOMIC DEVELOPMENT STRATEGY  
UPDATE  
WESTERN NEVADA DEVELOPMENT DISTRICT  
February 2017

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## Acknowledgments

Western Nevada Development District (WNDD) wants to make the following acknowledgments:

- Those who have contributed their time and energy in serving on the Board of Directors for WNDD, both current and past.
- The Economic Development Administration, the region's partner in economic development planning and infrastructure projects since 1984.
- USDA Rural Development, a partner in economic development with WNDD and the public and private sector throughout the region.
- The many, too numerous to mention, other public and private entities and persons who have partnered with WNDD in projects over the years.
- The University Center For Economic Development, University of Nevada, Reno, the go to source for data used by WNDD.

## Recent Observations

The WNDD Comprehensive Economic Development Strategy (CEDS) was re-written in 2014 and was a direct result of the 2012 Stronger Economies Together program.

The region experienced economic growth from 2002 to 2008 when the severe economic downturn occurred in 2008. The economic downturn adversely affected the region, the state and the nation.

- Unemployment rates were reported as high as 21%
- Construction ground to a halt and construction employment severely declined after 2008 and has not recovered
- The total number of jobs reported in the region in 2015 is less than the number of jobs in 2007

Since 2012

- There has been a slow economic recovery in the region.
- The 2014 announcement of the location of the Tesla/Panasonic giga-battery factory at the Tahoe Reno Industrial Park (Storey County) has placed the region on the radar for business location nationally and internationally
- The Tesla/Panasonic project in combination with recognition of the region being part of the Sierra Pacific Megapolitan Region has further enhanced the region's desirability as a business location
- Two major NDOT projects, construction of I-580 from Reno to Carson City and completion of the USA Parkway (Nevada Highway 439) from Exit 32, I-80 to US Highway 50 will further enhance the region as a business location

Taken together, these elements bode well for the region's economic future.

There is always an "however" and the "however" needing to be addressed by the region are the impact(s) of future economic growth upon the region to include transportation, workforce development, local schools, local infrastructure, affordable housing, water and cultural amenities. These impact(s) are recognized by the public and private sector within the region and awareness of the impact(s) is a first step in collaboratively addressing the impact(s)

Another “however” is the recent drought period from 2011 through 2015. The region has gained significant moisture with the atmospheric rivers affecting the region since January 2017. These have resulted in flooding in Carson City, Douglas, Lyon, Humboldt, Pershing, Storey, and Washoe Counties. The full impact of the flooding in these counties is not yet fully realized.

The WNDD Region

Western Nevada Development District was formed in late 1983 by the following counties: Carson City, Douglas, Lyon and Storey as a voluntary association of local governments to secure funding for economic development projects in the region. The U.S. Economic Development Administration (EDA) designated WNDD as an Economic Development District in 1985. The following counties were added to the EDD in the 1990’s: Churchill, Pershing and Mineral. In 2011 and 2012 Humboldt and Washoe Counties were added to the EDD.

The Western Nevada Development District (WNDD) region consists of the following Nevada counties in the northern and northwestern part of the State:

Carson City*	Humboldt	Pershing
Churchill	Lyon	Storey
Douglas	Mineral	Washoe

\*Carson City is a consolidated county/city

The nine counties were organized in various stages occurring from 1861 through 1919.

There following are incorporated cities:

Fallon (Churchill County)	Sparks (Washoe County)
Fernley (Lyon County)	Winnemucca (Humboldt County)
Lovelock (Pershing County)	Yerington (Lyon County)
Reno (Washoe County)	

There are a number of towns and general improvement districts throughout the region.

Public lands are located throughout the State. The following table reports the percentage of the region’s counties that are public land.

<u>Entity</u>	<u>Percent Land In Federal Ownership</u>
Nevada	83.81%
Carson City	60.84%
Churchill	83.74%
Douglas	51.56%
Humboldt	79.89%
Lyon	69.05%
Mineral	80.32%
Pershing	76.10%
Storey	9.73%
Washoe	63.88%
WNDD Average	63.90%

Source: University Center for Economic Development. “Public lands in the State of Nevada: An Overview” Fact Sheet-01-32. 2007. University of Nevada Cooperative Extension.

The region is located in the Great Basin. The region’s western boundary is the Sierra Nevada mountain range. The remainder of the region is defined as being a basin and range environment. The region falls within a high desert environment. The climate has four seasons, is arid and days of sunshine range from 227 (Winnemucca) to 251(Reno).

The region is served by the following transportation services

Highways –

- Interstate 80 – east to west
- U.S. 50 – east to west
- U.S. 95 – north to south
- U.S. 395 – north to south
- I-580 – north to south

Airports -

- Reno Tahoe International Airport, passenger and freight
- General aviation airports at Carson City, Minden, Silver Springs, Fallon, Lovelock, Winnemucca
- Railroad – Union Pacific, east to west, provides Burlington Northern Santa Fe trackage rights
- Amtrak – runs on Union Pacific main line east to west

Rail –

- Union Pacific Railroad main line, generally following the 1869 transcontinental line
- UPRR grants trackage rights on their main line to Burlington Northern Santa Fe Railroad
- AMTRAK service in Reno and Winnemucca is on the UPRR line

Education, K-12 and secondary institutions include:

There are nine K-12 school districts, one in each county

There are other private and charter K-12 schools in the region

Three Community Colleges:

Western Nevada College, Carson City, serves Carson City, Douglas, Lyon and Churchill

Truckee Meadows Community College, serves Storey and Washoe

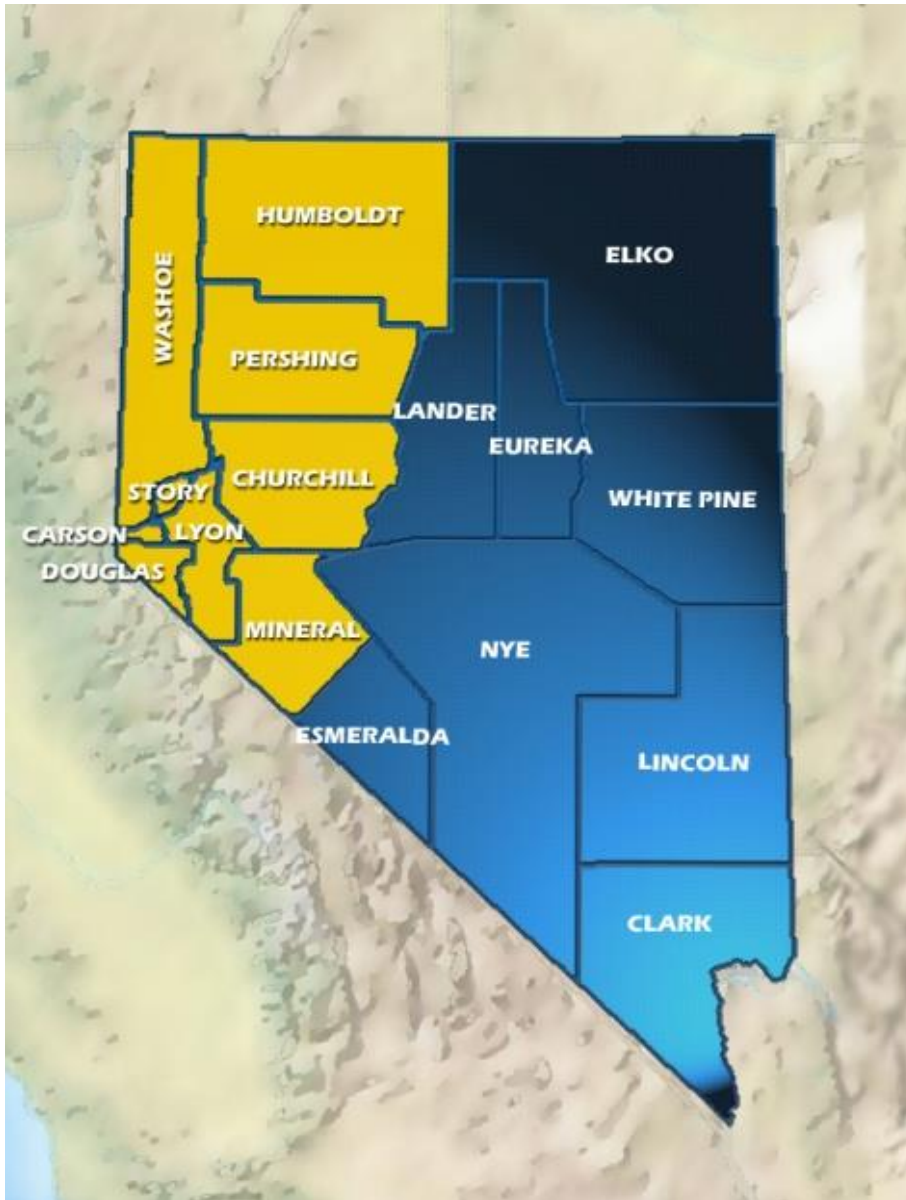
Great Basin College (Elko) serves Humboldt, Mineral and Pershing

University of Nevada, Reno, Tier One University, undergraduate, Masters and Ph.D. programs

The BEA reported population for the region in 2015 is 658,307. County populations and their percentage of the region’s population are:

<u>County</u>	<u>Population</u>	<u>Percent of Region</u>
Carson City	54,521	8.3
Churchill	24,200	3.7
Douglas	47,710	7.3
Humboldt	17,019	2.6
Lyon	52,585	7.9
Mineral	4,478	0.7
Pershing	6,634	1.0
Storey	3,987	0.6
Washoe	446,903	67.9

Map showing region



Map showing the WNDD EDD region as part of the Sierra Pacific Megapolitan Area.



Todd Trumbull / The Chronicle

### Regional Collaborative Projects

- WNDD Comprehensive Economic Development Strategy (CEDS) -2014
- Lake Tahoe Basin Prosperity Plan – 2010
- Stronger Economies Together - 2012
- WNDD participation in EDawn EPIC report – 2015
- Nevada Economic Development Conference – 2015, 2016, 2017

- Regulatory Food Map – 2016
- Pershing County / City of Lovelock Joint Meeting – 2016
- NDOT transit study for the region - 2017

CEDS Goals and Strategies

WNDD partnered with USDA Rural Development, UNR Extension, and the Governor’s Office of Economic Development to implement USDA’s Stronger Economies Together (SET) program in 2012. Over 200 public and private sector representatives participated in this 11 month program. 11 meetings were conducted in each of the region’s nine counties to gather input resulting in the creation of the “Stronger Economies Together, An Economic Development Blueprint for Western Nevada”.

Participants in the SET program identified the following goals:

**Capacity Building Goals:**

- Access to Capital
- Communication and Networking
- Infrastructure Improvement
- Workforce Development

**Economic Sector Goals:**

- Agribusiness
- Energy
- Manufacturing
- Tourism
- Transportation and Logistics

WNDD used the SET blueprint as the basis for the WNDD 2014 CEDS.

WNDD in conjunction with the University Center For Economic Development (UCED), UNR conducted a CEDS Annual Update Workshop in June 2016. Each of the CEDS goals were evaluated.

Regional Capacity Building Goals

Goal: Increase the access to financial capital that is available for the development and expansion of business throughout the region

Strategies:

- Match available sources of capital with needs for capital through connecting existing alternative loan funds and other sources of capital with businesses throughout the region  
Other alternative loan funds in the region are operated by Rural Nevada Development Corporation and VEDC
- Develop and expand alternative loan funds throughout the region  
WNDD implemented an alternative revolving loan fund using USDA RBEG and CDBG funding in 2012. WNDD has loaned \$175,000 to five small businesses in the region.
- Develop a web-based matrix of available business funding/capital opportunities
- Examine capital access with community matching model

Regional Capacity Building Goal: Communication & Networking

Goal: Improve communication between government, business, and the general community on what is needed to implement sustainable growth

The 1<sup>st</sup> Annual Nevada Economic Development Conference (NEDC) was held in May 2015, the 2<sup>nd</sup> held in September 2016, both at the University of Nevada, Reno. The 3<sup>rd</sup> NEDC is scheduled for September 2017 at the University of Nevada, Las Vegas.



The purpose of the NEDC is: building capacity, increasing efficiency, and promoting innovation to proactively respond to Nevada's rapidly changing economic environment.

Conference sessions are arranged for the following tracks: agribusiness, economic development vitality, energy, infrastructure/transportation, manufacturing and workforce development. The sessions are in line with the goals identified in the CEDS.

Attendees include economic developers, elected and appointed officials, business owners, utilities, banks, educators, manufacturers, the mining industry, transportation representatives, agribusiness, and anyone interested in connecting with Nevada's economic development network.

#### Regional Capacity Building Goal: Infrastructure Improvement

Goal: Increase improvements and investments in infrastructure, transportation, water, wastewater systems and broadband to make the region more business-ready and to attract, retain, and expand business

Infrastructure improvements continue throughout the region at both the local level and projects having regional impact.

2015 – Construction began on completion of the USA Parkway, now Nevada Highway 439. This is a four lane connector from Exit 32, I-80 running southeast to connect with US 50 in Silver Springs. Completion is estimated to be in the September to December 2017 time frame.

Nevada Highway 439 will provide greater access to truck freight and employee access to the Tahoe Reno Industrial Center (TRI) that is not current available to residents in Lyon County, Carson City, Churchill County and Douglas County.

Truck driving times to Las Vegas, Phoenix and Los Angeles will be significantly decreased.

2017 – Completion of I-580 from Reno to Carson City will reduce drive time for trucks and residents in Washoe, Carson City and Douglas Counties using US 395 south to Los Angeles.

Douglas County, Carson City and Lyon Counties have jointly constructed municipal water lines benefitting the immediate Carson City area.

#### Regional Capacity Building Goal: Workforce Development

Increase knowledge and understanding of existing worker skills, knowledge and experience, and present and future business workforce needs across the WNDD region. Develop a workforce that is well educated and with the appropriate skills to meet the demands of businesses today and in the future, per the sectors identified as important to the region

There is a need for workforce development in the region.

Workforce development efforts in the region are being implemented in multiple efforts and may appear to be fragmented.

Great Basin College (Elko), Truckee Meadows Community College (Reno), and Western Nevada College (Carson City) provide job skill training, various certifications for those who want to enhance their marketable job skills.

The University of Nevada, Reno, has graduate and post-graduate programs leading to a more skilled workforce.

As an example, in Carson City alone, the K-12 school district, Governor's Office of Economic Development, GOED Science, Innovation and Technology, JOIN, Inc., are working together to provide coordinated workforce development efforts.

Local manufacturers provide their own on the job training to employees.

#### Regional Economic Sector Goals

##### Regional Economic Sector Goal: Agribusiness

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Increase the production, processing, local consumption, and export of food products such as produce, fish, and milk and dairy products, from farming and value-added activities within the region as a way of increasing income for agricultural producers and related businesses and as a way of increasing food security for residents of the region.

2014 – Construction of the Dairy Farmers of America powder milk plant in Fallon has provided an increase in the number of dairy cattle in the region. The region’s dairy industry was in decline and some recovery is underway.

2015 – Agribusiness Work Group worked with others to change Nevada legislation to allow wineries in counties exceeding populations of 100,000 (Clark and Washoe)

2016 – Completion of the Regulatory Food Map providing information regarding local, state and federal permitting requirements and who small farm producers and cottage food industries should be contacting for their appropriate permits.

In the past five years the number of craft beer and distilleries in the region has grown. The two existing and one distillery being planned for in the region pride themselves in using locally grown products for their distilleries.

#### Regional Economic Sector Goal: Energy

Expand the production and use of alternative / clean energy use within the region and increase the export of such energy outside the immediate region and across state lines in the form of products and services that create jobs.

2015 – A video competition open to the region’s high school students was implemented. The winning video was presented at the 1<sup>st</sup> Annual Nevada Economic Development Conference.

2016 – The CEDS review meeting recommended the initiative regarding transmission lines be deleted as this initiative is inconsistent with the State power plan.

Renewable energy development continues in the region for geo-thermal and solar power.

Liberty Utilities, California, completed a solar generating project near Luning, (Mineral County) in 2016, generated electricity serves Liberty customers in California.

Ormat Technologies, Inc. continues their geo-thermal development in Churchill County.

Geo-thermal resources are present in Washoe, Churchill and Mineral Counties.

#### Regional Economic Sector Goal: Manufacturing

Increase manufacturing capacity and output across the region.

The WNDD manufacturing sector can be summarized as follows:

- The region has a diversified advanced manufacturing sector.
- Construction of the Tesla/Panasonic giga-battery factory at TRI, a five billion dollar investment.
- The region has transportation access to San Francisco (five hours away), Los Angeles, Portland (OR), Salt Lake City and Phoenix and access to the Pacific Rim via west coast ports.
- Existing industrial parks, including the 103,000 acre Tahoe-Reno Industrial Center (TRI).
- A Tier One University at University of Nevada, Reno.
- Three community colleges providing training and certification classes for the workforce.

The nine county Western Nevada Development region measured by a variety of data and reports is a diversified manufacturing region. Advanced Manufacturing exists in the region. The concentration of manufacturing and mixed manufacturing is concentrated in five of the region’s nine counties, all on the western portion of the region in Washoe, Storey, Carson City, Douglas and Lyon Counties.

The following table provides the number of non-advanced manufacturers, number of advanced manufactures, total number of manufacturing firms and the percentage of manufacturing firms by county:

Entity	No. Non-Adv. MFG Firms	No. Adv. MFG Firms	Total MFG Firms	% Adv. MFG Firms
Carson City	51	67	118	56.8
Churchill	19	13	32	40.6
Douglas	28	46	74	62.2
Humboldt	10	8	18	44.4
Lyon	70	24	94	25.5
Mineral	2	1	3	33.3
Pershing	3	1	4	25.0
Storey	17	4	21	19.0
Washoe	304	176	480	36.7
WNDD Total	504	340	844	40.3

GOED Data - 30 June 2014

2014 – Data prepared by the Governor’s Office of Economic Development (GOED) for WNDD provides a snapshot of manufacturing in the region.

2014 – September announcement of Tesla selecting Nevada as the site for their giga-battery factory. The facility is being constructed at TRI, Storey County. Panasonic is a partner in this venture. Initial production will be for lithium batteries. Permanent employment at build out is estimated to be 4,500.

2015 – Tesla began construction of its giga-battery factory.

2016 – Production of batteries is underway with the production of battery storage units for Southern California-Edison.

Regional Economic Sector Goal: Tourism

Create a world-class destination for state, national, and international visitors that highlights the cultural, recreational, and entertainment amenities of the region

Major tourism events/venues in the region include:

- Mountain biking event, Carson City
- Virginia & Truckee Railway, steam train running from Carson City to Virginia City, the most popular train ride is the Polar Express in December
- Genoa Candy Dance
- Eagles and Ag, Douglas County
- Best In The West, photography, Winnemucca
- Cantaloupe Festival and Country Fair, Fallon
- Armed Forces Day, Hawthorne
- Cowboy Poetry Festival, Genoa
- Art Town, month of July, Reno
- Monthly events, Virginia City
- Night In The Country, Yerington

### Regional Economic Sector Goal: Transportation/Logistics

Increase the reputation and knowledge of the region as a location for logistical efficiency and as an effective transportation hub.

John Restrepo, Principal, RCG Economics stated the WNDD region has a more evolved distribution center industry than other parts of the state. Location, location, location, is a significant factor in the region being a favored site for distribution centers. I-80 provides east west access to neighboring states and population centers including Los Angeles, San Francisco, Portland, Salt Lake City and Phoenix, easily accessed by truck. Distribution centers are within a one day drive to reach a market of 51 million.

The Union Pacific Rail Road main line still along the first trans-continental rail road provides rail freight access to US markets and international markets.

The Reno-Tahoe International airport is becoming an air freight center. The Reno airport is actually further west than Los Angeles and further north than San Francisco, so for air freight coming from or going to Asia over Alaska, Northern Nevada is closer, a huge advantage the Reno airport is beginning to market. Fed Ex, UPS and DHL have terminals at the Reno airport. In 2012 116 million pounds of cargo came in and out at the airport.

As of 2016, there were 15 distribution centers located in the Tahoe Reno Industrial Center (TRI) in Storey County. Distribution firms included Wal-Mart, Tire Rack, Pet Smart, Chewy.com, Benco Dental Supply, and 1-800 Flowers.com.

There are a number of distribution centers in Washoe County including: AAMP of America, Inc., Advanced Supply Chain, Logistics, Allergy Be Gone, Appropose International, Barnes & Noble Purchasing, Inc., Cintas, Hopkins Distribution, Legacy Sports International, Merit Brass and Patagonia.

### Regional Economic Sector Goal: Mining

Goal: To help mining-intensive counties (i.e Churchill, Humboldt, Mineral, Pershing) to cope with increased demands on infrastructure that come with new mines opening.

Gold and silver mining are part of the economic sector and are major employers in Humboldt and Pershing Counties. Mining activity is dependent upon mineral prices and has traditionally been a “boom and bust” cycle.

Housing is a major issue for mining communities.

### Goals and Strategies to be implemented

- Access to Capital

Access to capital is provided through a number of banking institutions throughout the region. Only one institution, Heritage Bank of Nevada, is locally owned. Banking in the region reflects the trend of consolidation and national branch banks. Credit unions in the region are also doing commercial lending.

Public sector financing in various forms is provided through the Nevada State Development Corporation, Reno (SBA 504 program), Rural Nevada Development Corporation, Ely and Western Nevada Development District.

Access to capital is available within the region. Those seeking capital must have a well developed business plan in order to access capital. The Nevada Small Business Development Center and its local offices provide business counseling and assistance in developing business plans.

- Communications and Networking

Communication and networking occurs within the region, is on-going and difficult to quantify.

- Infrastructure Improvements

The following infrastructure improvements have been identified for the region:

Douglas County, Carson City and Lyon County will continue their inter-governmental initiatives to provide water and sewer connections within their jurisdictions to provide the necessary services to areas lacking such services, these projects do not constitute inter-basin transfers.

Fuel Indexing- On 2016 ballot in all Nevada Counties, all failed at the county level

Humboldt Storey Sewer

Trans Sierra Coalition established for transportation in the Lake Tahoe Basin

USA Parkway (Nevada Highway 439) to be completed December 2017

395 to I-580 projected completion in 2017

Direct flights Reno (continue)

Broadband – high speed broadband is necessary to conduct e-commerce and improvements are needed throughout the region

Continued regional water interconnections need to be evaluated

Intermodal rail facility has been under discussion since 2005 and needs to be developed, four potential sites are identified as possible sites for an intermodal rail facility and additional planning is needed in the region

Increase access for public transportation in the region

- Regional Capacity Building Goal: Workforce Development

There are a number of efforts being undertaken to provide resources for improvements in workforce development. However, these efforts appear to be fragmented and not well coordinated in the region.

Efforts need to be focused upon manufacturing and distribution/logistics, two major economic sectors in the region.

- Regional Economic Sector Goal: Agribusiness

Agribusiness is concentrated in Churchill, Lyon, Pershing and Humboldt Counties.

The focus on future projects should be in the areas of:

Local consumption in farmers markets and selling agricultural products to local retail and the food and accommodation sectors

More information needs to be gathered regarding the region's cottage food industry and commercial hydroponics and in-door food production

There is one estate distillery in operation in Churchill County and a second is being implemented in Douglas County

- Regional Economic Sector Goal: Energy

Continue meetings of the SET Energy Work Group to:

- Goals for 2016 – Conduct a study regarding the impact of energy regulation on development projects and present to PUCN.
- Support of clean energy technologies curriculum and certification programs at K-12 levels.
- Monitor energy regulations in Nevada
- Provide education regarding renewable energy credits and alternative energy sources
- Determine who the energy sector manufacturers are in the region and their impact(s) on job creation and the local economy

- Regional Economic Sector Goal: Manufacturing

Manufacturing is a major economic sector in the region.

The local economic development authorities are principals in business recruitment in this and other sectors. An adequate supply of industrial land, and buildings with the appropriate infrastructure is necessary for further expansion and sustainability in this sector.

Two other elements, affordable housing and workforce development are key in sustaining the manufacturing sector.

- Regional Economic Sector Goal: Tourism

The Nevada Commission on Tourism located in Carson City is the state agency tasked with tourism in the state. Local tourism groups, chambers of commerce and local economic development authorities are all involved in tourism activities throughout the region.

Efforts should be made by the local tourist groups to access resources provided by the Nevada Commission on Tourism, Nevada Department of Transportation and arts and culture grant programs, both from the public and private sectors.

- Regional Economic Sector Goal: Transportation and Logistics

Local governments within the region need to collaborate with federal and state transportation agencies regarding:

- Enhancements of I-80
- The proposed I-11 corridors
- NDOT led and funded transit study for the region
- The proposed hyperloop from APEX, Las Vegas to TRI, Storey County
- Proposed study of additional freight rail lines along UP RR corridor
- Continued improvement at rural airports in Hawthorne, Minden, Silver Springs
- On-going expanded freight and passenger flights at Reno Tahoe International Airport

- Regional Economic Sector Goal: Mining

The public and private sector need to work together regarding the housing needs in mining communities.

### CEDS Project List

Regional projects include:

NDOT completion of regional transit study

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Rail park in Lyon and Churchill

Regional collaborative efforts to work together regarding impact(s) from continued growth at TRI  
The following have provided their CEDS Project List as of this date and there will be other specific projects listed as needed.

Carson City –

Landfill –

Equipment Replacement Program

Maintenance Facility

Portable Litter fencing

Scalehouse-Design for transfer station/roll off station

Capital Improvement Projects –

North Carson Street streetscape improvements

South Carson Street streetscape improvements

William Street/US Highway 50 east streetscape improvements

William Street/US Highway 50 east water and sewer line extension to serve the commercial area

Churchill County –

Landfill improvements

Water Supply Plant, New, Phase 2 at Moody Lane

Water supply main at Reno Highway, Jetway to Soda Lake

Sewer Construction at RNOHWY from Soda Lake to Rice Road

Moody Lift Station Modification/Improvement

Wild Goose Water Source, Treatment Plant, Main Construction

Reconstruction of Paved County Roads

Removal and Construction of County Bridges - Aged or unsafe for traffic demand

Asphalt overlay to approximately 25 miles of County Roads - unsafe /damaged

Jail/Justice Center - New Building to meet regulatory requirements

Senior Center-New Construction - To meet Community needs

Water System Upgrades at County Fairgrounds to meet water demands

Covered Arena - New Construction

Cemetery - Expansion of Veterans area and general expansion

Cemetery Admin Building

Irrigation System modification and increased water usage efficiency at various sports fields and fairgrounds

Develop Transloading Rail Access

Rail Park Development

Carson River Park

Public Transportation to Tahoe-Reno-Industrial Center

NDOT assessment of regional public transportation needs including seniors, health care, education and workforce

Dayton Utilities (Lyon County) –

Waster storage tank, Dayton

Construct two million gallon water storage tank

Design and construct two ground water wells in the Dayton area

Douglas County –

Capital Improvement Projects -

East Valley Johnson Lane Water Tank Douglas County

East Valley Johnson Lane wash drainage improvements

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Buckeye-Pinenut Martin Slough storm drainage  
 Minnehaha Canyon storm drainage improvements  
 Virginia Ditch Dam and diversion structure improvements  
 Irrigation ditches headworks control structure  
 Muller Parkway (2.7 miles)  
 Ironwood Drive Extension (0.4 miles)  
 East Valley road Extension (2.5 miles)  
 Carson River Restoration (4 miles)  
 Old Kingsbury Grade Trail system design and construct a multi-use trail and path system  
 East Valley design and construct the East Valley trunk line major collections  
 Waterloo Lane reconstruction  
 Vista Grande extension  
 Muller Parkway extension  
 North Valley Wastewater Treatment Plant expansion  
 South County water line  
 Williams Ridge wastewater feasibility study  
 Sports Aviation Museum  
 North Benjamin Trailhead  
 Pony Express Trail – West Slope Phase 1 improvements  
 Rocky Bend River Access Park  
 River Bend River Access Park  
 Willow Bend River Access Park  
 Work Force Development –  
 Individual case management  
 Seminars and workshops  
 Outreach – local and regional economic development and job creation efforts  
 Computer training – Basic Microsoft Word  
 Financial sustainability and management training  
 Town of Gardnerville –  
 Pedestrian Trail – Toler to the existing sidewalk at Raley’s parking lot direct connect to Highway 395  
 Highway 395 sidewalk and drainage improvements from Kings Lane to Waterloo Center  
 Martin Sough Ponds – Trail Amenities Grant from State Lands for new trail from Martin Slough Ponds to Town wet land path  
 ADA sidewalk upgrades, storm drain improvements at Highway 395 and Mill and Douglas High School  
 Crosswalk improvements at Mission Street and Highway 395 and at Kings Lane and Highway 395 crossing as part of Safe Route to Schools project  
 Hellwinkle Barn rehabilitation and structural upgrade  
 ADA sidewalk improvements with the Town of Gardnerville  
 Eagle Gas Station environmental cleanup – re-development as downtown gateway and parking area  
 Douglas Avenue and Highway 395 intersection pedestrian safety removal of the existing “K” rail driveway and street entrance and pedestrian access improvements  
 Pedestrian Trail Chichester Ponds to Toler Avenue  
 Town landscaping – water use reduction effort along Gilman Avenue, Toler Islands, Waterloo Islands, Town parks and Town maintained regional detention ponds  
 Douglas Avenue street lighting – install decorative street lights  
 Undergrounding of power lines and communication utilities at Toler/Douglas to Industrial Way  
 Existing storm drain improvements along Highway 395 and Eddy Street to Bell Street  
 ADA sidewalk upgrades, curb and gutter improvements along Highway 395  
 Land acquisition for Basque Cultural Center



Design and construction of Basque Cultural Center  
 Town of Minden –  
 Undergrounding of power lines and communication utilities along Highway 395 and street lighting along Highway 395 with the Town Boundaries  
 Improve Minden’s portion of the Martin Slough Trail  
 ADA sidewalk improvements with the Town of Minden  
 Urban fishing pond  
 Town of Genoa –  
 Genoa Street waterline loop for fire protection  
 Genoa Lane Trail Project linking Town with nature Conservancy Center  
 TNC Trail Loop Linkage – linking Genoa Lane Trail with Foothill Road Trail to complete trail system loop south/southwest of Genoa  
 Establish Church Foundation  
 Establish Town Hall Foundation  
 Johnson Lane Area Drainage Master Plan - \$400,000  
 Smelter Creek Regional Flood Control Structure - \$2.6 Million  
 Stephanie Way Flood Control Structure - \$1.8 Million  
 SR 756 Bike Lane Widening - \$30,000  
 SR 756 Cotton Wood Bridge Widening for Bike Lanes - \$30,000  
 Lutheran Bridge Widening - \$3 Million  
 Warrior Way Multi Use Path - \$206,000  
 Ranchos Connectivity Path - \$800,000  
 US 50 South Shore Community Revitalization Project - \$25 Million  
 Stateline Bikeway: Round Hill - Zephyr Cove Segment - \$6 Million  
 Stateline Bikeway: Laura Drive to Lake Parkway Segment - \$3 Million  
 Business Incubator - seed funding - \$500,000  
 V&T Railroad Demonstration Route Feasibility Study - \$80,000  
 Sierra Country Estates Water System Improvements - \$1,620,000  
 West Valley Water Distribution Improvements - \$505,000  
 Meridian Lift Station Rehabilitation - \$360,000  
 Small Business Revolving Loan Funds - \$100,000  
 Community Gardens, support and expansion - \$40,000  
 Main Street Marketing Programs - \$20,000  
 Main Street Marketing Analysis and Update - \$50,000  
 CVIC Hall Renovation - \$250,000  
 Minden Park Gazebo Renovation - \$250,000  
 County Road Streetscape 10th Street to Olua - \$1 Million  
 Westwood Park Upgrade (Restrooms and Playground Equipment) - \$300,000  
 10th Street to US 395 Sidewalk connection- \$350,000

City of Fallon –

Reconstruction of Paved Roads  
 Senior Center - New Building  
 Airport Cross Wind Runway Rehabilitation  
 Waste Water System Improvements  
 Pave City Parking Lots  
 Traffic Signal Interconnect Project  
 Concrete Tank Assessment

Humboldt County –

Engineering design for waste water treatment facility

City of Winnemucca –

- Construction of new Wastewater Treatment Facility (with pump sta. & pipeline)
- Construct Airport Taxiway and Wind Cone Project
- Community Art Facilities (construct amphitheater and multi-purpose room B&G Club)
- Construct/Acquire new Municipal Well(s)
- Complete Sewer Main and Water Main Reconstruction Projects
- Complete Cemetery Road Reconstruction and Irrigation System Replacement Projects
- Acquire Access Easement or Property for Airport Industrial Park Access
- Construct Cemetery Expansion Project
- Complete Recreation Complex Phase III (park, ballfields, tennis courts,...)
- Upgrade Park Playground Equipment
- Develop Plans for 18 Hole Golf Course (or for new clubhouse at existing course)
- Secure Funding for Planned Aquatic Center adjacent to B&G Club.
- Develop Utility Plan for Grass Valley Road Area Development (within City limits)
- Develop Storm Drain Master Plan

City of Fernley –

- Nevada Pacific Parkway Extension - 1.7 miles 4 lane I-80 Exit 50 to US 50A
- Railroad Underpass - Off I-80 Exit 46, east Fernley
- City-wide fiber optic - Installation/operation of City owned fiber optic network
- Fernley Railroad Depot - Sewer, water lines, restrooms, roof repair, ADA access, and landscaping
- Main Street Revitalization - US 95A downtown, energy efficient lighting, sidewalks, landscaping
- Out Of Town Park - New ball fields, lights, parking, paving, rodeo grandstand canopy, skate park, solar lights
- Water Management - Develop acquired federal property for municipal water storage and aquifer recharge; to ensure a consistent supply of water for businesses looking to expand or locate their operations to this area as well as supporting existing residents and businesses
- BOR Park #1 Development - Develop federal surplus property into 160 acre urban recreation complex
- Street Reconstruction - Pavement resurfacing/sealing City streets
- Silverland Park Ball Fields - Joint use fields w/ School District, purchase surplus federal lands, Tech/incubator campus
- Community Multi-Use Facility-Convention Center New Building - To meet community needs, new construction
- Upgrades to city water delivery system - This system will be completed in several phases in the future. Phase I of the program is updating a portion of its existing water meter radio read units with the necessary compatible units. Phase II of the program will be updating the remaining portion of the water meter radio read units and installing the necessary receiving antennas, to be located at City Hall. Phase III of the program will consist of installing the necessary servers, purchasing the required software, training for City of Fernley staff, and public information sessions. These upgraded units will also allow the City to detect water leaks, increase water meter reading efficiency, reduce overhead costs, and enhance customer service. During the years 2001-2007 it is estimated that the City installed approximately 3,000 of their 7,200 radio read units in the City. During this time the City of Fernley was the fastest growing city in the nation. The City has selected the meters installed during this time as the first Phase I of the system implementation.
- Street Design and Construction Improvements - At –grade and pedestrian crossing at Silver Lace and Fremont Streets.
- Planning Maps - For development of drone industrial facilities and other business development plans for Fernley Lands Conveyance properties, 9,000 plus acres.

Pershing County –

County Highway Improvements: Old Immigrant Road; Old Victory Highway, Town of Imlay;  
Grass Valley Road; Muddy Road  
Strategic Plan, Pershing County Economic Diversification Authority  
Law Enforcement Center and Jail, new construction  
Community Center Roof Repair  
Update County camera systems  
County Properties in Imlay Refurbishments  
County Administration Buildings Flooring Replacements  
Museum Upgrades - House Structural Issues, 3-Sided Shed Replacement  
Courthouse Structural Issues and Exterior Renovations  
Clock Tower Repairs, swimming pool  
Imlay Road Shop Fuel Pump System  
Grass Valley Fire Station Building Extension  
Unionville Park Building Upgrades  
Resurfacing County Parking Lots  
Development of Youth Center  
Main Street Program / Redevelopment District  
Replacement Program for Sheriff's Vehicles

City of Lovelock –

City of Lovelock wastewater treatment plant and capacity expansion project including third SBR tank at wastewater treatment plant, 17<sup>th</sup> Street and North Meridian sewer collection system, 17<sup>th</sup> Street lift station and force main line to gravity collection system

Storey County –

Water and Wastewater Projects -  
Replacement of 175,000 gal. Clean Water Storage Tank  
Water Transmission Line Replacement to Silver City Storage Tank  
Re-coating of Raw Water Storage<sup>3</sup> Tank at Five Mile Reservoir  
Water System Telemetry Upgrades for Water System Storage Tanks  
Replacement of 1 Mile of 4" Distribution Main with 6" - B Street  
Replacement of 12" Transite Pipe from Storage Tanks to Main Line  
Replacement of 1870's Vintage Transmission Main - Lakeview to top of Shipon  
Virginia City / Divide Sewer Line Replacement  
Gold Hill Sewer Line Replacement  
Virginia City / Divide Sewer Treatment Plant Replacement - Upgrades  
Replacement / Upgrades of Silver City Water Transmission Lines  
Install additional Raw Water Storage at Five Mile Reservoir  
Install Video Surveillance Equipment for Water Treatment Plant  
Install Video Surveillance Equipment for Wastewater Treatment Plant  
Retrofit Storm Drain System on South C Street of Roads and Streets  
Roads and Street -  
Resurface Six Mile Canyon Road  
Resurface Cartwright Rd. - Virginia City Highlands  
Resurface Lousetown Rd. - Virginia City Highlands  
Grind and Re-Surface 3 Miles of Canyon Way - Lockwood  
Micro Seal 4.7 Miles of Waltham Way - TRI  
Micro Seal 3.8 Miles of USA Parkway - TRI  
Resurfacing of Raved Roadways in Mark Twain Estates  
Re-stripping of Paved Roadways

Remove and Replace Curb and Gutter - C Street (NDOT project jurisdiction)  
 Reconstruction / Improvements to 11.6 Miles of Lousetown Rd. - VCH to Lockwood  
 Completion Of USA Parkway Extension through Storey/Lyon Counties to Hwy. 50  
 Purchase and Installation of (20) Solar Powered Traffic Warning Signs  
 New Bridge / Off-On Ramp - Painted Rock  
 Resurface streets in Virginia City and Gold Hill after replacement of sewer systems  
 Addition of solar operated overhead street lights at all road intersections and at grade railroad crossings at the Tahoe-Reno Industrial Center  
 Improve existing roadside and other open drainage systems in Gold Hill and Virginia City  
 Pave Tunnel Road with hard surface and widen the road at the rock outcropping pinch point near its north terminus  
 Pave Carson Street from public swimming pool to "G" Street, then pave "G" Street from that point to Mill Street  
 New bridge/freeway off/on ramp – Orchard  
 Buildings and Facilities -  
 Seismic Retrofit of Historic Storey County Courthouse Building  
 Seismic Retrofit of Historic Storey County 1930's Fire Station (Museum)  
 Seismic Retrofit of (3) Storey County Fire Stations  
 Seismic Retrofit of Historic Storey County Hospital Building (Art Center)  
 Replacement of Public Restroom Facilities - Virginia City  
 Retrofit of Swimming Pool - Virginia City  
 Remove and Replace Deteriorated Sidewalks and Boardwalks  
 County Detention Facility Expansion  
 Communications / Internet Technology -  
 Purchase and Install Countywide Wireless Mesh Network Linking County and Schools  
 Purchase / Install Security Monitoring - Communications for County and School Facilities  
 Establish Radio Communications Tower and Provide Power to Clark Mtn. Site  
 Other -  
 Virginia and Truckee Railroad Project - Re-Construction of Tunnel # 6  
 Virginia and Truckee Railroad Project - V&T and Railroad Commission Consolidation  
 Protection / Preservation of Historic Petroglyphs in Long Valley as Regional Park  
 Construction of Community Center Facility - Virginia City  
 CEDS Project Update –  
 Construct 18 mile pipe line from Sparks to TRI to use wastewater as cooling water  
 Replace all sewer piping lines in Virginia City and Gold Hill  
 Replace water piping from I-580 to Virginia City, upgrade the existing water supply line from Marlette Lake  
 New courthouse and justice center in Virginia City  
 Cooling water facilities at TRI

City of Sparks –

Public Safety - Add 56 more police officers\*\*  
 Community Assets –  
 Support work of flood control district to improve flood coverage on the Truckee River (1)  
 Water reclamation facility improvements at Reno/Sparks joint wastewater facility (2)  
 Support and use of CDBG and HOME programs (3)  
 Sustainable Energy - implement additional renewable energy projects  
 Transportation Infrastructure - support Washoe County RTC projects in Sparks (4)  
 Asset Management – Efficiently maintain the City's assets using an asset management inventory to drive the Capital Improvements Plan  
 Parks – Protect our quality of life by smart development of major parks and recreation facilities

Public Venues – increase the utilization/viability of city venues by enhancing current facilities and planning new public spaces

Potential Additional Industrial Land: Undertake the analysis necessary to determine the feasibility of expanding the city limits to include an area east of the City's corporate boundary and north of Interstate 80 for job-generating land uses.

Washoe County –

Regional Implementation of Business Licensing and Permitting Software

Development of business, manufacturing and industrial facilities on the west side of Stead Airport  
There is a substantial opportunity for business, manufacturing or industrial development on lands to the west and east of the Stead Airport, which is located in the North Valley's area. Road and wastewater utility infrastructure serving the area, however, is lacking, although basic water infrastructure is in place (see map at Attachment C). The Stead Airport area basic water infrastructure is in place (see map at Attachment C). The Stead Airport area has been identified as a Regional Center in the City of Reno's Master Plan. According to the 2003 Regional Center Plan, the development concept is "categorized into 2 districts: the Mixed-Use District and the Residential Buffer District. The Development Concept anticipates the Stead Airport becoming an increasingly important regional employment

center in the next 20 years. The planned increase in employment capacity will provide additional opportunities for Stead residents to work near their home. Over time, new employment opportunities in Stead should help address traffic congestion during the rush hour commute to and from central Reno.

Electrical Transmission Capacity to Support Development and Use of Renewable Energy Resources

Formation of a Consortium to Develop a Regional Energy Master Plan

Business Facilitator Position to stream line permits; New Pre-development meetings offered to developers to expedite projects.

New Medical Examiner's (ME) Office: County operational costs through the implementation of the new ME building.

Economic Development Brochure, Webpage and mini-video series

Washoe County has initiated facility planning in all 4 of sanitary sewer service territories, each area at a different level of completion. Most of the sewer facility work in the STM, working on the financial elements in SS and just initiated the facility review in Cold Springs.

Working collaboratively with the City of Reno, the City of Sparks, the Regional Water Planning Commission, and the Truckee Meadows Water Authority, Washoe County staff are exploring the potential use of advanced treated wastewater for future water banking. For decades, the region has safely utilized reclaimed water for non-potable uses such as irrigation. With further advanced treatment, reclaimed water can safely augment groundwater sources. Following the implementation model used by many worldwide communities, northern Nevada agencies have joined together to explore a 5 year feasibility project led by the University of Nevada, Reno

Reclaimed water use delivers a relatively drought-proof alternative water supply for non-potable uses while managing and extending the region's limited water resources. A pipeline connecting Truckee Meadows Water Reclamation Facility (TMWRF) and South Truckee Meadows Water Reclamation Facility (STMWRF) would provide regional benefits and operational flexibility while creating access to new effluent sites. Water rights limitations could be satisfied utilizing excess Huffaker Reservoir water allowing for an expansion to larger reclaim users. Temporary storage of TMWRF effluent during poor operating conditions would not only offer system resiliency but also help mitigate ongoing water quality issues in Huffaker Reservoir.

## Appendices

This Table highlights the fact the WNDD region is a regional economy. Dr. Harris and the UCED generated a number of data reports for the WNDD SET program in 2012. This data report when reviewed at more than one SET meeting made participants very aware of the interconnected economy in the region by reporting where people work and where people live who work in other counties.

Table 1: WNDD Commuting Linkages, Dr. Thomas Harris, UCED, UNR, 2016

Dr. Thomas Harris, University Center For Economic Development, University of Nevada, Reno, prepared a Commuting Linkage report for WNDD in 2012 and updated his report in 2016. The report contains two tables: Table 1: Where Workers In A County Reside, 2009-2013 and Table 2: Where Residents In A County Work, 2009-2013.

Table 1 reports the proportional share of workers who work in a given county reside. Harris uses the example of Carson City, the State Capitol. 56.65% of Carson City’s employment resides in Carson City. 14.95% of Carson City residents work in Douglas County, 12.89% work in Lyon County and 13.19% work in Washoe County. These percentages equate to over 97% of Carson City residents who are employed. This is to be expected as Douglas, Lyon and Washoe Counties are all contiguous with Carson City.

The commuting linkages are important for the following reasons. As Harris states, “changes in economic activity in Carson City, such as layoffs of state government workers, will eventual impact the economies of Douglas, Lyon, and Washoe Counties”. Other reasons where commuting patterns have an impact are upon spending habits. If you drive to another county to work there is a very high probability you will be spending money in the county where you work for food, gasoline, and other purchases because you are in the county where you work.

Job availability, transportation access and geography play significant roles in commuting patterns. Carson City is such an example. Carson City residents need only drive 16 miles to Douglas, five miles to Lyon and 30 miles to Washoe.

There are two highways, one constructed and one to be constructed, that will affect commuting patterns in the western part of the region. Completion of I-580 between Carson City and Reno has facilitated commuting to Reno. The December 2017 completion date of Nevada Highway 439 connecting Exit 32, I-80 at the Tahoe Reno Industrial Center (TRI) to U.S. 50 at Silver Springs will provide a new commuting route for residents in Carson City, Douglas, and Lyon Counties to access job opportunities at TRI.

Two of the definitions for Place of Residence and Place of Work in the two tables include Rest of Nevada and Rest of World.

Rest of Nevada reports workers who are working in counties in Nevada that are not part of the Western Nevada Development District region.

Rest of World reports workers who are working outside the State. Two counties in the region report significant percentages of workers residing in the county who work outside Nevada. These are Douglas, 17.62% and Pershing, 7.67%. Douglas County is an advanced manufacturing hub in the region and Pershing County has significant mining employment.

It should also be noted a county’s commuting linkage is tied primarily to adjacent counties. Two exceptions are Mineral County, 90.82% of its residents work in Mineral County and Washoe County where 92.95% of its residents work in Washoe County.

Table 1 and Table 2 are presented on the next page.

Table 1: Where Workers In A County Reside, 2009-2013

Place of Residence	Place of Work								
	Carson City	Churchill	Douglas	Humboldt	Lyon	Mineral	Pershing	Storey	Washoe
Carson City	56.65	0.08	10.56	0.00	7.34	0.00	0.00	7.06	1.22

Churchill	0.15	87.83	0.00	0.00	3.95	2.21	1.80	0.00	0.15
Douglas	14.95	0.59	65.44	0.07	2.27	0.00	0.00	2.71	0.57
Humboldt	0.05	0.06	0.00	85.57	0.00	2.68	4.69	0.00	0.02
Lyon	12.89	6.52	3.17	0.66	73.81	1.49	3.41	20.63	1.99
Mineral	0.00	0.32	0.00	0.00	0.18	90.82	0.62	0.00	0.00
Pershing	0.00	0.00	0.00	3.93	0.24	0.00	75.75	0.00	0.04
Storey	0.48	0.16	0.19	0.00	0.79	0.00	0.00	52.12	0.45
Washoe	13.19	2.62	2.80	2.11	10.33	1.01	5.40	17.48	92.95
Rest of Nevada	0.50	0.00	0.21	4.45	0.20	0.00	0.66	0.00	0.19
Rest of World	1.14	1.86	17.62	3.21	0.91	1.79	7.67	0.00	2.42

Table 2: Where Residents In A County Work 2009-2013

Place of Work	Place of Residence								
	Carson City	Churchill	Douglas	Humboldt	Lyon	Mineral	Pershing	Storey	Washoe
Carson City	74.15	0.44	21.16	0.21	19.90	0.00	0.00	8.38	1.94
Churchill	0.04	88.21	0.30	0.08	3.58	2.00	0.00	0.78	0.14
Douglas	9.14	0.00	61.25	0.00	3.24	0.00	0.00	2.16	0.27
Humboldt	0.00	0.00	0.03	93.13	0.29	0.00	15.69	0.00	0.09
Lyon	4.04	4.69	1.35	0.00	47.94	1.33	1.41	5.81	0.64
Mineral	0.00	0.36	0.00	0.60	0.13	92.19	0.00	0.00	0.01
Pershing	0.00	0.37	0.00	1.31	0.38	0.79	77.92	0.00	0.06
Storey	0.29	0.00	0.12	0.00	1.01	0.00	0.00	28.74	0.08
Washoe	10.89	2.93	5.53	0.48	20.93	0.42	3.51	53.71	93.12
Rest of Nevada	0.07	2.13	0.26	3.68	0.52	0.36	1.27	0.00	0.20
Rest of World	1.38	0.87	9.99	0.52	2.08	2.91	0.19	0.42	3.46

Source: Dr. Thomas R. Harris, University Center For Economic Development, University of Nevada Reno; U.S. Census, June 2016

Table 2: BEA CA1, Personal Income 2007 – 2015

CA1 Personal Income Summary: Personal Income, Population, Per Capita Personal Income  
Personal income (thousands of dollars)

				Change
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	2007	2011	2015	2007-2015
United States	11,995,419,000	13,233,436,000	15,463,981,000	+28.9
Nevada	104,399,125	103,259,252	121,095,970	+16.0
Carson City	1,581,233	2,244,028	2,368,549	+49.8
Churchill	779,512	828,291	892,404	+14.5
Douglas	2,663,429	2,449,430	2,860,357	+7.4
Humboldt	532,009	722,379	752,214	+41.4
Lyon	1,487,762	1,517,895	1,725,931	+16.0
Mineral	138,082	156,622	158,277	+14.6
Pershing	145,112	165,921	205,245	+41.4
Storey	171,522	138,922	163,574	-4.6
Washoe	18,528,747	18,795,345	21,265,239	+14.8
WNDD	26,027,408	27,018,833	30,391,790	+16.8

Only two counties, Carson City and Humboldt report Personal Income exceeding the US change from 2007 to 2015. Personal income growth is uneven across the region.

Table 3: BEA CA1, Population 2007 – 2015

CA1 Personal Income Summary: Personal Income, Population, Per Capita Personal Income  
Population (persons) 1/

	2007	2011	2015	Change 2007-2015	Percent of Region
United States	301,231,207	311,718,857	321,418,820	+6.7	
Nevada	2,601,072	2,718,819	2,890,845	+11.1	
Carson City	55,288	54,756	54,521	-1.4	8.3
Churchill	24,961	24,601	24,200	-3.0	3.7
Douglas	47,166	47,021	47,710	+1.2	7.3
Humboldt	15,658	16,651	17,019	+8.7	2.6
Lyon	51,725	51,463	52,585	+1.7	7.9
Mineral	4,880	4,627	4,478	-8.2	0.7
Pershing	6,715	6,646	6,634	-1.2	1.0
Storey	4,000	3,955	3,987	-0.3	0.6
Washoe	408,724	425,015	446,903	+9.3	67.9
WNDD	619,117	634,735	658,037	+6.3	

Population growth in Humboldt and Washoe exceed the change in the US change from 2007 through 2015. Washoe County and the cities of Reno and Sparks contain almost 68% of the region's population.

Table 4 - 1: BEA CA1, Per Capita Personal Income

CA1 Personal Income Summary: Personal Income, Population, Per Capita Personal Income  
Per capita personal income (dollars) 2/

				Change
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	2007	2011	2015	2007-2015
United States	39,821	42,453	48,112	+20.8
Nevada	40,137	37,979	41,889	+4.4
Carson City	28,600	40,982	43,443	+51.9
Churchill	31,229	33,669	36,876	+18.1
Douglas	56,469	52,092	59,953	+6.2
Humboldt	33,977	43,384	44,198	+30.1
Lyon	28,763	29,495	32,822	+14.1
Mineral	28,295	33,850	35,345	+24.9
Pershing	21,610	24,966	30,938	+43.2
Storey	42,881	35,126	41,027	-4.3
Washoe	45,333	44,223	47,584	+5.0
WNDD	35,240	37,532	41,354	+17.4

Personal Per Capita Income (PCPI) is a metric used in evaluating the economic health of a region. Carson City, Humboldt, Mineral, and Pershing PCPI for the period 2007 – 2015 report the change in PCPI exceeding the US change.

Table 4 - 2: BEA CA1, Per Capita Personal Income – PCPI as Percentage of US PCPI

CA1 Personal Income Summary: Personal Income, Population, Per Capita Personal Income  
Per capita personal income (dollars) 2/ - Percent of US PCPI

	2007	2011	2015
United States	100.00	100.00	100.00
Nevada	1.01	0.89	0.89
Carson City	0.72	0.97	0.97
Churchill	0.78	0.79	0.79
Douglas	1.42	1.23	1.23
Humboldt	0.85	1.02	1.02
Lyon	0.72	0.69	0.69
Mineral	0.71	0.80	0.80
Pershing	0.54	0.59	0.59
Storey	1.08	0.83	0.83
Washoe	1.14	1.04	1.04
WNDD	0.88	0.88	0.88

PCPI as a percentage of the US PCPI is another economic health indicator.

Churchill, Lyon, Mineral and Pershing report PCPI percentages below the 80% threshold used by some federal agencies as a qualifier for program funds.

Table 5: BEA CA25N, Total Employment By Place Of Work 2007 – 2015

CA25N Total Full Time and Part Time Employment by NAICS Industry  
Employment By Place Of Work  
Total Employment (Number of Jobs)

	2007	2011	2015	Change 2007- 2015
United States	179,885,700	176,278,700	190,195,400	+5.7
Nevada	1,647,542	1,503,565	1,660,482	+0.8
Carson City	42,336	38,116	38,144	-9.9
Churchill	13,189	11,813	11,736	-11.0
Douglas	32,494	27,750	29,811	-8.5
Humboldt	9,761	10,414	10,245	+4.9
Lyon	18,772	16,338	16,882	-10.0
Mineral	2,423	2,201	1,786	-26.3
Pershing	2,380	2,260	2,366	-0.5
Storey	3,084	3,441	5,895	+91.1
Washoe	284,405	252,302	273,210	-3.9
WNDD	408,844	364,635	390,075	-4.6

Total number of jobs table reports a 5.7% increase for the US from 2007 to 2015.

Seven of the WNDD counties report fewer jobs in 2015 when compared with 2007, the year prior to the severe economic downturn of 2008.

Humboldt County as an increase in the total number of jobs for this period, primarily due to increased mining activity.

Storey County is reporting a 91.1% increase in the number of jobs due to the increased location of firms at the Tahoe Reno Industrial Center starting in 2012 and the growth is forecasted to continue in the future.

Even taking into account the job increases in Humboldt and Storey Counties, the fact remains the total number of jobs in the region in 2015 is less than in 2007.

The region has not fully recovered from the severe economic downturn occurring in 2008.

The following tables regarding employment in economic sectors reflect the data in Table 6, total number of jobs.

Table 6: BEA CA25N, Wage and Salary Employment

	2007	2011	2015	Change 2007- 2015
United States	143,512,000	137,105,000	147,634,000	+2.8
Nevada	1,333,933	1,162,730	1,292,689	-3.1
Carson City	32,966	28,426	29,050	-11.8
Churchill	10,189	8,989	8,742	-14.2
Douglas	22,425	18,058	19,540	-12.8
Humboldt	7,858	8,426	8,159	+3.8
Lyon	13,755	11,557	11,822	-14.0
Mineral	1,851	1,728	1,364	-26.3
Pershing	1,912	1,786	1,906	-0.3
Storey	2,797	3,150	5,610	+100.5
Washoe	226,564	191,670	209,370	-7.6
WNDD	320,317	273,790	295,563	-7.7

Table 7: BEA CA25N, Proprietors Employment 2007 – 2015

CA25N Total Full Time and Part Time Employment by NAICS Industry  
Employment By Place Of Work

Update  
Comprehensive Economic Development Strategy (CEDS)  
Western Nevada Development District  
February 2017

Proprietors Employment

	2007	2011	2015	Change 2007-2015
United States	36,373,700	39,173,700	42,561,400	+17.1
Nevada	313,609	340,835	367,793	+17.2
Carson City	9,370	9,690	9,094	-2.9
Churchill	3,000	2,824	2,994	-0.2
Douglas	10,069	9,692	10,271	+2.0
Humboldt	1,903	1,988	2,086	+9.6
Lyon	5,017	4,781	5,060	+0.8
Mineral	572	473	422	-26.2
Pershing	468	474	460	-17.1
Storey	287	291	285	-0.6
Washoe	57,841	60,632	63,840	+10.3
WNDD	88,527	90,845	94,512	+6.7

Table 8: BEA CA25N, Farm Proprietors Employment 2007 – 2015  
 CA25N Total Full Time and Part Time Employment by NAICS Industry  
 Employment By Place Of Work  
 Total Employment (Number of Jobs)

	2007	2011	2015	Change 2007-2015
United States	1,914,000	1,876,000	1,825,000	-4.6
Nevada	2,732	3,387	3,668	+34.2
Carson City	17	18	16	-5.8
Churchill	496	594	635	+28.0
Douglas	156	212	235	+50.6
Humboldt	215	279	311	+44.6
Lyon	279	371	418	+49.8
Mineral	71	80	88	+23.9
Pershing	111	121	128	+15.3
Storey	0	0	0	0.0
Washoe	356	418	439	+23.3
WNDD	1,701	2,093	2,270	+33.5

Table 9: BEA CA25N, Nonfarm Proprietors Employment 2007 – 2015  
 CA25N Total Full Time and Part Time Employment by NAICS Industry  
 Employment By Place Of Work

	Total Employment (Number of Jobs)		Non-Farm Proprietors Employment	
	2007	2011	2015	Change 2007-2015
United States	34,459,700	37,297,700	40,736,400	+18.2
Nevada	310,877	337,448	364,125	+17.1
Carson City	9,353	9,672	9,078	-2.9
Churchill	2,504	2,230	2,359	-5.8
Douglas	9,913	9,480	10,036	+1.2
Humboldt	1,688	1,709	1,775	5.1
Lyon	4,738	4,410	4,642	-2.0
Mineral	501	393	334	-33.3
Pershing	357	353	332	-7.0
Storey	287	291	285	-0.7
Washoe	57,485	60,214	63,401	+10.3
WNDD	86,826	88,752	92,242	+6.2

Table 10: BEA CA25N, Farm Employment 2007 – 2015  
 CA25N Total Full Time and Part Time Employment by NAICS Industry  
 Employment By Place Of Work

	Total Employment (Number of Jobs)		Farm Employment	
	2007	2011	2015	Change 2007-2015
United States	2,664,000	2,639,000	2,642,000	-0.8
Nevada	4,717	5,367	5,717	+21.2
Carson City	40	68	72	+80.0
Churchill	709	779	823	+16.1
Douglas	263	314	340	+29.2
Humboldt	463	536	579	+25.0
Lyon	675	756	814	+20.6
Mineral	75	83	91	+21.3
Pershing	224	223	232	+3.6
Storey	0	0	0	0.0
Washoe	433	525	555	+28.2
WNDD	2,882	3,284	3,506	+21.6

Table 11: BEA CA25N, Nonfarm Employment 2007 – 2015  
 CA25N Total Full Time and Part Time Employment by NAICS Industry  
 Employment By Place Of Work

Total Employment (Number of Jobs) Private  
Non-Farm Employment

	2007	2011	2015	Change 2007-2015
United States	177,221,700	173,639,700	187,553,400	+5.8
Nevada	1,642,825	1,498,198	1,654,765	+0.7
Carson City	42,296	38,048	38,072	-10.0
Churchill	12,480	11,034	10,913	-12.5
Douglas	32,231	27,436	29,471	-8.5
Humboldt	9,298	9,878	9,666	+3.9
Lyon	18,097	15,582	16,068	-11.2
Mineral	2,348	2,118	1,695	-27.8
Pershing	2,156	2,037	2,134	-1.0
Storey	3,084	3,441	5,895	+91.1
Washoe	283,972	251,777	272,655	-4.0
WNDD	405,962	361,351	386,569	-4.7

Table 12: BEA CA25N, Private Nonfarm Employment 2007 – 2015

CA25N Total Full Time and Part Time Employment by NAICS Industry  
Employment By Place Of Work

Total Employment (Number of Jobs) Private Non-Farm Employment

	2007	2011	2015	Change 2007- 2015
United States	152,967,700	149,350,700	163,411,400	+6.8
Nevada	1,473,877	1,331,660	1,485,328	+0.7
Carson City	31,567	28,360	28,466	-9.8
Churchill	9,482	8,182	8,336	-12.1
Douglas	29,819	25,086	27,087	-9.1
Humboldt	7,845	8,397	8,119	+3.4
Lyon	15,707	13,253	13,838	-11.9
Mineral	1,751	1,502	1,158	-33.8
Pershing	1,380	1,332	1,392	+0.8
Storey	2,849	3,217	5,647	+98.2
Washoe	254,939	223,093	243,697	-4.4
WNDD	355,339	312,422	337,740	-4.9

Table 13: BEA CA25N, Government and Government Enterprises Employment 2007 – 2015

CA25N Total Full Time and Part Time Employment by NAICS Industry  
Employment By Place Of Work

Update  
Comprehensive Economic Development Strategy (CEDS)  
Western Nevada Development District  
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Total Employment (Number of Jobs) Government Enterprises

	2007	2011	2015	Change 2007-2015
United States	24,254,000	24,289,000	24,142,000	-0.5
Nevada	168,948	166,538	169,437	+0.2
Carson City	10,729	9,688	9,606	-10.5
Churchill	2,998	2,852	2,577	-14.0
Douglas	2,412	2,350	2,384	-11.6
Humboldt	1,453	1,481	1,547	+6.4
Lyon	2,390	2,329	2,230	-6.7
Mineral	597	616	537	-10.0
Pershing	776	705	742	-4.3
Storey	235	224	248	+5.5
Washoe	29,033	28,684	28,958	-0.2
WNDD	50,623	48,929	48,829	-3.5

Table 14: BEA CA25N, State and Local Government Employment 2007 – 2015  
CA25N Total Full Time and Part Time Employment by NAICS Industry  
Employment By Place Of Work

Total Employment (Number of Jobs) State and Local Government

	2007	2011	2015	Change 2007-2008
United States	19,428,000	19,290,000	19,376,000	-0.2
Nevada	137,158	130,940	132,984	-3.0
Carson City	10,068	9,002	8,931	-11.3
Churchill	1,473	1,325	1,277	-13.3
Douglas	2,211	2,122	2,156	-2.5
Humboldt	1,257	1,274	1,348	+7.2
Lyon	2,201	2,118	2,018	-8.3
Mineral	504	524	463	-8.1
Pershing	751	678	712	-5.2
Storey	223	211	234	+4.9
Washoe	24,750	24,020	24,127	-2.5
WNDD	43,438	41,274	41,266	-5.0

Table 15: BEA CA25N, Federal Civilian and Military Employment (Combined) 2007 -2015  
CA25N Total Full Time and Part Time Employment by NAICS Industry  
Employment By Place Of Work

Total Employment (Number of Jobs)

	2007	2011	2015	Change 2007-2015
United States	4,826,000	4,999,000	4,766,000	-1.2
Nevada	31,790	35,598	36,453	+14.6
Carson City	661	686	675	+2.1
Churchill	1,525	1,527	1,300	-14.7
Douglas	201	228	228	+13.4
Humboldt	196	207	199	+1.5
Lyon	189	211	212	+12.2
Mineral	93	92	74	-20.4
Pershing	25	27	30	+2.0
Storey	12	13	14	+16.6
Washoe	4,283	4,664	4,831	+12.8
WNDD	7,185	7,655	7,563	+5.3