

GOED Board Meeting
Thursday, May 23rd, 2:00PM PT

Workforce Innovations for the New Nevada (WINN)

The Workforce Innovations for the New Nevada (WINN) account was established as a result of the approval of Assembly Bill 1 of the 29th Special Session of the Nevada Legislature. The legislation requires the Governor's Office of Economic Development to engage industry and educational partners to create, customize or expand programs to provide responsive workforce development training opportunities in targeted skill areas needed by companies in the state. The legislation was inspired by the need for workforce training infrastructure and solutions in Nevada's emerging sectors such as advanced manufacturing and technology. Statutory Authority: NRS 231.141 through NRS 231.152.

[NRS 231.141 – 231.152](#)

GOED Board Members can be found linked here: <https://goed.nv.gov/board/>

- WINN is currently funded at \$10,000,000 for the fiscal period FY23/24 (ending June 30, 2025).
- There are currently ten (10) active WINN funded programs at four (4) NSHE institutions that were approved at the June 29, 2023 GOED Board Meeting and reported in this press release, [GOED Board Funds 10 Workforce Development Programs at \\$6 Million](#).

Date	Note	Amount
July 1, 2023 – June 30, 2025	WINN Appropriation	\$10,000,000.00
June 29, 2023	10 WINN Funded Program Awards	<i>(\$5,884,774.87)</i>
May 23, 2024	Presenting 3 WINN programs	<i>(\$1,501,004.00)</i>
	Obligated WINN Funds if with 3 new approvals	<i>(\$7,385,778.87)</i>
	Remaining WINN funds if with 3 new approvals	\$2,614,221.13

WINN programs presented today:

1. College of Southern Nevada (CSN) requests \$376,004 for a Logistics & Operations Training Initiative that will provide short term training for Logistics Automation and Integration Technicians (LAIT) at both the CSN North Las Vegas campus and the upcoming Westside Education & Training Center (early June 2025). Funding will reach as many as 30 students per year and will provide instructional capacity, four complete Logistics labs, administrative and promotional support. There are 100 jobs in this area available at Findlay Automotive Group and Sunshine Minting, Inc. and with endorsement from the Regional Transportation Commission of Southern Nevada (RTC).
2. Truckee Meadows Community College (TMCC) requests \$825,000 for an Accelerated Early College Auto/Diesel Program that will train students through a series of industry driven certifications and TMCC program pathways by providing necessary equipment to deliver the curriculum and train instructors accordingly. Northern Nevada has an expansive network of transportation services, warehousing, construction, and mining that all benefit from trained and skilled diesel technicians. There are 1,710 jobs at Velocity Truck Centers, Freightliner, Peterbilt Truck Parts & Equipment, Empire CAT Southwest, Pape Group Transportation/Diesel, Silver State and Corwin Buick Cadillac.
3. TMCC requests \$300,000 for an Accelerated Early College Machining Program that will expand access to the program, market it, and modernize equipment integral to match the core competencies taught in the program and to what program completers will encounter in the field of work. Funding will reach as many as 17 students and ongoing. There are 35 machining jobs at employers: Gyford Décor, Advanced Precision, Inc., Legacy CNC and Hamilton Company.



Workforce Innovations for a New Nevada - NSHE Capacity Program Application

The Workforce Innovations for a New Nevada (WINN) Fund was established to provide programs of workforce recruitment, assessment or training to the benefit of new or expanding companies in Nevada.

This application is to be completed by a representative of an Authorized Provider per NRS 231.1415 who wishes to provide a workforce training program with WINN funding. A separate application is necessary for each training program. Applications requesting funding in excess of \$100,000 must be reviewed and approved by the Board.

On December 2, 2021, GOED's Board approved minimum wage thresholds for WINN Fund investments. Jobs supported by the training program in this proposal must pay at least \$17 per hour; additional requirements apply and supplemental information may be requested to complete the application process.

Authorized Provider Information

Institution Name

Truckee Meadows Community College

Address

7000 Dandini Blvd., Reno, Nevada 89512

Workforce Development Program Experience

TMCC is Northern Nevada's jobs college, preparing qualified students for jobs in industries here in Nevada. We provide workforce training for priority sectors in advanced manufacturing, HVAC, refrigeration, welding, machining and auto/diesel. 95% of our students stay in Nevada after completion of their programs and build and support our local community. TMCC students, graduates and employees put more than \$678 million dollars into our region's economy.

TMCC has a demonstrated history of executing successful workforce development programs in career technical fields. We provide training for entry level employees seeking good living wage jobs with upward career mobility. We also provide opportunities for incumbent workers to return for upskilling, scaffolding upon previous credentials earned. We offer over 160 degrees & certificates in over 70 areas of study. In the auto and diesel departments alone students can earn short-term skills certificates in Automotive Service Excellence (ASE) - Basic, ASE Diesel Technology - Basic, ASE Diesel Technician - Electrical, ASE Diesel Technician - Heavy Duty Diesel Engines, ASE Diesel Technician - Heavy Duty Power Trains, and ASE General Service. ASE Master Students can earn Certificates of Achievement in Diesel ASE Technician, Automotive ASE, Automotive General Service, and Light, Medium, Heavy (LMH) Diesel Fleet Maintenance Technician. Students can earn 13 industry recognized NC3 certificates in auto and diesel, a Diesel Technician Transportation Technologies AAS degree and an Automotive Certified Technician,

Transportation Technologies AAS Degree. In the 2023 academic year, TMCC issued 198 awards in automotive and diesel alone.

TMCC has a well-established machining advisory board; we rely heavily upon advisory board input to create, redesign and refine our workforce training programs. Business partners include: Cashman, Pape, Peterbilt, Empire CAT, Corwin Buick, Velocity Freightliner, Silver State, Nevada Gold Mines. We also work closely with our local workforce development agencies including NevadaWorks, EDAWN, Manufacture Nevada, DETR, and EmployNV.

TMCC has a proven track record of managing workforce initiatives & grants including WINN awards, TAACCCT grants, the American Apprenticeship Initiative, GCCAP Grant for apprentices, the SANDI grant, Nevada Dept. of Education Carl D. Perkins grants, and several private donor workforce grants as well. We have established methods of tracking and documenting grant-related expenses, including required signatures of supervisors and grant PIs in the procurement process to ensure expenditures are reasonable and allowable. TMCC has an institutional research office that can conduct research queries and provide data for grant reporting. They have also created numerous data dashboards for employee use. The grants office tracks the reporting due dates for all grants and the PIs responsible submit them in a timely manner.

Primary applicants must be able to effectively track and document expenses related to this grant, procure equipment in a timely fashion, maintain procedures and internal controls for accounting, and have infrastructure for maintaining data and completing reports.

Organizational Capacity

TMCC's FY 23-24 budget is over 50 million dollars. TMCC's Foundation and Grants Office currently manages nearly \$29 million dollars in federal, private, and state pass-through grant funding. Over the past 50 years, TMCC has successfully managed grants from the US Department of Education, Labor, Health and Human Services, State of Nevada Department of Education and Health & Human Services, and nationally and locally based corporate and non-profit donor funding. TMCC adheres to all federal grants management policies in 2 CFR Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards.

Additionally, TMCC is governed by the Nevada System of Higher Education (NSHE) and its Board of Regents. TMCC adheres to all NSHE student information and human resources policies and procedures related to accounting and procurement. NSHE utilizes Workday for budgeting and financial accounting, facilitating easier financial data collection allowing for effective project management across institutions.

Post Award grant management (a division of TMCC's foundation and grants) is responsible for grant compliance and works closely with TMCC Controllers Office, which is responsible for establishing sponsored accounts, financial reporting and fiscal compliance. The Deans and other principal investigators meet monthly with the Post Award team to ensure projects stay on track, discuss any issues that have emerged and to monitor expenditures. In the Technical Sciences Division, a new Project Director has been hired and will start June 12, 2024 to assist with oversight of these grant funded work plans, activities and outcomes.

Project Information

Project Name

TMCC-ACE Accelerated Early College Auto/Diesel Program

Primary Economic Sector

Logistics

Project Point of Contact

Title

Kim Harrell

Dean, Technical Sciences

Phone
(775) 856-5307

Email
kharrell@tmcc.edu

Employer Partner(s)

Company 1

Company Name
Velocity Freightliner

Company Point of Contact
Jimmy Dobson

E-mail
jdobson@vgttruck.com

Job Titles to Be Filled
Technicians

Number of Job Openings to be Assisted
30

Average Hourly Wage for Job Hires
\$22.00 - \$45.00 per hour

Employer Commitment & Support Letter
Velocity-Letter of Support.docx

Workforce Disruption - Prior 12 Months
No

Company 2

Company Name
Peterbilt

Company Point of Contact
Lane Powell

E-mail
lpowell@peterbiltpe.com

Job Titles to Be Filled
Technicians

Number of Job Openings to be Assisted
30

Average Hourly Wage for Job Hires
\$23.00 - \$45.00 per hour

Employer Commitment & Support Letter
Peterbilt WINN.pdf

Workforce Disruption - Prior 12 Months
No

Company 3

Company Name
Empire CAT

Company Point of Contact
Adrian Reaux

E-mail
Adrian.Reaux@empire-cat.com

Job Titles to Be Filled
Technicians

Number of Job Openings to be Assisted

1,400

Average Hourly Wage for Job Hires
\$20.00 - \$64.00 per hour

Employer Commitment & Support Letter
WINN_TMCC CAT support letter 2024.pdf

Workforce Disruption - Prior 12 Months
No

Company 4

Company Name
Pape Transportation/Diesel

Company Point of Contact
Brandon Morse

E-mail
bmorse@pape.com

Job Titles to Be Filled
Technicians

Number of Job Openings to be Assisted
200

Average Hourly Wage for Job Hires
\$20.00 - \$30.00 per hour

Employer Commitment & Support Letter
Pape' Letter.pdf

Workforce Disruption - Prior 12 Months
No

Company 5

Company Name
Silver State

Company Point of Contact
Lane Powell

E-mail
lpowell@ssitrucks.com

Job Titles to Be Filled
Technicians

Number of Job Openings to be Assisted
30

Average Hourly Wage for Job Hires
\$23.00 - \$45.00 per hour

Employer Commitment & Support Letter
Silver State WINN.pdf

Workforce Disruption - Prior 12 Months
No

Company 6

Company Name
Corwin Buick Cadillac

Company Point of Contact
Preston Rasmussen

E-mail
prasmussen@corwinauto.com

Job Titles to Be Filled

Number of Job Openings to be Assisted

Average Hourly Wage for Job Hires
\$20.00 to \$25.00 per hour

Employer Commitment & Support Letter
Corwin GMC Letter of Support.docx

Workforce Disruption - Prior 12 Months
No

Statement of Need

Needs Assessment

Northern Nevada has an expansive network of transportation services, warehousing, construction & mining that all benefit from trained & skilled diesel technicians. Long term projections from DETR for 2018-2028 show a 17.44% employment increase for Bus & Truck Mechanics & Diesel Engine Specialists. The Bureau of Labor Market Statistics confirm employment trends remain strong for diesel technicians, with projected growth in Nevada at 15%, higher than the national average through 2030.

We are seeing a multitude of new businesses move into the area on a consistent basis, each one in search of people to work, and buildings in need of being constructed. With this influx of people to our area, is the need for more semi-truck hauls to and from our bordering states. This is coupled with the need to of course serve our longstanding mining industry in Nevada as well. The Economic Development Association of Western Nevada (EDAWN) has named distribution, logistics, e-commerce, and advanced manufacturing as some of their key industries. With many companies within those sectors growing and expanding yearly, it is imperative that we as the community college be ready to provide the training necessary to have a skilled workforce to support the transportation & infrastructure needs of these businesses & our community as a whole.

The TMCC-ACE Accelerated Early College Auto-Diesel Training Program provides workforce preparation in logistics, leading to living wage jobs with upward career mobility. Technicians in Nevada command a median annual salary of \$61,450 which is higher than the national median.

The Early College Auto-Diesel Training Program is embedded in our community and at TMCC, a federally-recognized Hispanic Serving Institution (HSI), breaking barriers to higher education for first generation college students, students from lower socioeconomic status and the large Hispanic population we serve here in Reno. Training our local community students for diesel technician careers is a strategy for achieving equity in employment and access to higher education by evidence-based design. The dual credit course offerings are scheduled in a sequence that promote completion and entry into the workforce.

The only diesel technology program offered at an institution of higher education in western Nevada is at TMCC. IPEDS data from 2022 show that 63 credentials were issued to provide training for all of Northern Nevada, including the outlying areas. According to O*net Online, which draws data from IPEDs and the BLS, 39% of employers who are hiring require applicants to have some college or a post-secondary certificate, making TMCC's program a necessity. The employer partners who provided support letters for this application are all expecting to hire 1,710 technicians over the next several years. It is likely other employers in the region have similar needs as these seven rendering the supply of trained technicians from TMCC insufficient to meet projected annual demand.

Explain why this program enhancement is needed. Provide evidence of workforce shortages in this occupation or projected increases in demand for talent. Provide details about program availability and capacity effecting employer recruitment in your region, including external programs serving the same industry.

Program Objectives and Outcomes

Program Overview

TMCC has had a longstanding relationship with ACE High School through a dual credit program. The students earn college credit at TMCC and are assessed on the very same competencies as our college students. The program provides opportunities for sophomore, junior and senior students to take machining classes, giving them a leg up on completing the college's programs.

This year, TMCC worked collaboratively with ACE to build on this foundation to create an evidence-based Accelerated Early College Auto-Diesel Program. Early College High School programs have been found to increase access for underrepresented students, increase student success and increase the likelihood of matriculation into college programs upon completion.(see references 1 and 2 in Support Documents). Such programs involve situating the early college program on a college campus, providing transportation to the college, and enrolling high school students in select courses that lead to completion of industry recognized credentials, college certificates and even degrees (See reference 3 in Support Documents).

The new ACE-TMCC Early College Program will focus on completion of college and industry recognized credentials for immediate employment. The program will run from the sophomore year of high school through the senior year with NC3 and TMCC certificates earned each year of the program as the students progress. Course and program learning outcomes are assessed through both practical skills demonstrations and written exams. Each cohort level is comprised of as many as 5 classes per year and 14 college credits per year. Students learn topics including, but not limited to: shop safety, use of tools and fasteners, general maintenance of lubricating and cooling systems, heavy duty electrical systems, electrical test equipment, starters, charging, power generation, combustion engines, diesel brakes, automotive brakes, steering and suspension systems, pneumatics, diagnostics, and preventive maintenance.

With the shift to the Early College High School model starting in Fall 2024, ACE High school students will earn the following credentials on or before the time they graduate from high school

Auto-Diesel Technician Awards Earned

NC3 Shopkey Pro Service & Repair Information Level 1 Certification (Year 1)
NC3 Battery, starting & Charging system Diagnostic Certification EECS750 (Year 1)
NC3 Battery Maintenance & Engine Starting Certification (Year 1)
NC3 Battery Charging Certification (Year 1)
NC3 525 Multimeter Certification (Year 1)
NC3 Pro-Cut Rotor Matching Certification (Year 2)
Automotive Service Excellence (ASE) - General Service, Skills Certificate (Year 3)
ASE - Diesel Technician, Electrical Skills Certificate (Year 3)
LMH Diesel Fleet Maintenance Technician, Certificate of Achievement (Year 3)
NC3 Diesel Torque Theory Test (Year 3)
NC3 Torque Mechanical Certification (Year 3)
NC3 PMI 5 - Micrometer Measurement (Year 3)
NC3 PMI 3 - Gage Measurement (Year 3)

Note: The students start Year 1 of the Early College program as ACE High School sophomores. Year 2 students are Juniors. Year 3 students are Seniors.

Employer Engagement

TMCC auto and diesel faculty engage with employer partners on a regular basis to keep pace with changes in technology and understand the knowledge, skills and abilities program completers must have to be successful as technicians. Twice per year employers gather at our advisory board meetings to share how program graduates who have been hired by them are faring in their new jobs and to provide continued feedback on our curriculum. We note any skills gaps employers share and weave new activities,

assignments, skills, and competencies into the curriculum to address them.

Capacity-Building Program Design

These funds will help us expand access to our program, market it, modernize it to ensure currency and accelerate training through this new Accelerated Early College Auto-Diesel Program model. The curriculum has already been developed. Modernized equipment is needed to match the core competencies taught in the program and to what program completers will encounter in the field. Funding this equipment will allow us to maximize class size while ensuring sufficient hands on training to achieve mastery, thereby closing the gap between workforce supply and demand. The marketing funds will be used to develop inclusionary marketing materials for distribution at recruitment functions and display in the William N. Pennington Center of Applied Technology where the Auto-Diesel Early College program is housed. Funds will also be used for faculty professional development to ensure teaching pedagogies, industry examples, and methodologies align with current practices in the field. Funds will not be used for staffing.

Will this program include funding for staff?

No

Justification for Existing Staff

N/A

Recruitment

Currently, ACE High School students are recruited by ACE for this program. As of April 17, 2024, ACE has had more applications for the new incoming cohort than we could accept. We expect to enroll a very full sophomore cohort of 17 students starting in Fall 2024 in the hopes of obtaining these funds. The junior and senior cohorts will transition from the dual credit program to the Early College accelerated program taking 14 credits per year starting in Fall 2024 as well. With this capacity funding, we can continue to maximize the size of the incoming sophomore cohort closing the supply/demand gap for trained machinists.

Outcomes

Major goals and milestones with timelines for achievement. Increased capacity will commence by August 1, 2024.

Goals and Milestones	Timeline
9% enrollment capacity increase	August 1, 2024
Equipment acquisition	August 1, 2024
Students begin new curriculum	August 9, 2024
Equipment deployment	September 1, 2024
Marketing materials designed	October 1, 2024
Marketing materials deployed	January 15, 2025
Faculty attend new engine training	June 30, 2025
5% completions increase	June 30, 2025
5% job placement increase	June 30, 2025

Sustainability Plan

This one-time only modernization and expansion of equipment will allow TMCC to sustain the Accelerated Early College Auto-Diesel Program. ACE is committed to the accelerated model and enrolling students in 14 credits of instruction for each cohort. TMCC and ACE have codified an MOU for the new Early College model effective July 1, 2024. The program equipment will continue to be utilized for years to come. With increased revenue from additional enrollment, TMCC will plan for equipment replacement as needed.

The Vice President of Finance and Government Affairs has a strong interest in increasing funding for faculty professional development and has held financial team reviews with each of the division deans this year. He is requesting we identify recurring annual funding needs for professional development so that an

allocation can be built into each division's budget. This will help our auto and diesel faculty maintain currency in their fields going forward, sustaining this one-time investment in professional development.

The digital marketing materials developed through this one-time funding will be easily revised and updated for reproduction, sustaining the GOED investment.

Is the program offered consistent with the Unified State Plan (WIOA)?

Yes

Supporting Documents

Early College High School Model Research.docx

Diesel-Labor-Salary-Graphics.docx

EDAWN 2022 ESG Report.pdf

49-3031.00 - Bus and Truck Mechanics and Diesel Engine Specialists.pdf

Workforce Diversity Action Plan

WINN requires that projects consider how to ensure equitable access to high-skill and high-wage opportunities for all Nevadans.

This application must include an explanation of the actions that will be taken and strategies that will be implemented to promote workforce diversity and the goals and performance measures which will be used to measure the success of the plan in achieving those goals.

A strong plan will show an understanding of the interventions and supports diverse participants will need to prepare them for success and include methods for monitoring at the training and employment levels of the project.

GOED seeks to read plans including efforts to address the needs of Veterans, Gender inclusion and penetration in non-traditional employment, recipients of public assistance, justice-involved citizens, racial and ethnically diverse students, and persons with disabilities.

Diversity Action Plan

TMCC's demographics show that 51% of TMCC's student population are minorities (with 34% being Hispanic). 51% percent of the student population are first-generation and 54% percent of the student population were made up of women, and 46% were men. The 2023-2024 Nevada Department of Education data shows that ACE High School's student demographics are even more diverse than TMCC in terms of race ethnicity, with 56% being minorities and 50% of students being Hispanic. Further, 28% of students are on free and reduced lunch and 14% are English language learners. With 81% of ACE students being male, the marketing dollars requested in this proposal will be targeted toward women, so they can see themselves as represented in the field.

In keeping with TMCC's commitments to ensure an inclusionary environment that honors diversity, specific outreach activities and marketing efforts are in place to address target populations. TMCC offers programs & resources that support this commitment to a variety of diverse groups including but not limited to veterans, CTE gender equity needs, recipients of public assistance, justice-involved citizens, racial & ethnically diverse students, and students with disabilities. We are a Hispanic Serving Institution and recruit directly from the diverse community we serve. We plan on working with our special populations groups at TMCC to increase representation, inclusion, utilization and completion rates of the program.

We plan on promoting this Early College program through established pipelines including tours of our

facility, the CTE Open House, interface with employers at our sector-specific Career Cafes, and the ACE freshman rotation which exposes prospective students to the auto-diesel program. We also plan on utilizing our CTE Assistant Director to support CTE gender equity needs by promoting this traditionally male careers to female students within the school district and in the community as a whole. We also want to make sure that our students who are recipients of public assistance are being encouraged to participate. So we plan on utilizing our Counseling Center and food bank (Wizards Warehouse) to promote the program and offer a space for our food insecure students to get the resources they need in order to be successful. A component of the project is the development of outreach activities and marketing efforts that will reach disabled, underrepresented, and racially/ethnically diverse student populations, from middle school and high school. TMCC will actively recruit in Spanish-language media and our diverse recruitment team will promote this program opportunity to diverse audiences at schools, career fairs, open houses, and during campus tours.

Through the orientation process, we will make sure that the additional students we are recruiting are made aware of our variety of resources that can assist them in meeting their educational & workforce goals including the Career Hub, Counseling Center, Financial Aid Office, Academic Advising, TRIO program, and the Diversity Center. Lastly, TMCC will continue to work to address the challenges of these non-traditional age students in terms of partnering with community organizations to remove the transportation barrier for the Early College Program.

Workforce Diversity Commitment Statement

The Nevada System of Higher Education (NSHE) is committed to providing equal opportunity and access to programs and employment, and places of work and learning free of discrimination. Likewise, TMCC's policies regarding equal employment opportunity and affirmative action represents our commitment to supporting practices that seek to achieve equal opportunity in employment and advancement without regard for sex, age, race, color, religion, physical and mental disability, creed, national origin, veteran status, sexual orientation, genetic information, gender identity, or gender expression.

TMCC's Equity, Inclusion and Sustainability Office pledges to address, work with, and uphold a series of goals and commitments to ensure an inclusionary environment that honors diversity and integration. These goals and commitments include:

Building and maintaining a non-discriminatory environment in all facets of TMCC's programs as they relate to all members of TMCC including faculty, staff and students

To assist in developing diverse workforce, through outreach and affirmative action efforts, that reflect a demographic distribution in the service area, with regard to race, color, religion, gender, sexual orientation, disability, veteran status and age

To work with TMCC's faculty and staff to facilitate the integration of diversity content into curricula

To provide support to TMCC's enrollment management, recruitment and retention support efforts

To provide direction in establishing and maintaining clearinghouse of information and resources on issues of access, equity and inclusion and services to faculty, staff and students

To represent TMCC in the community at large in promoting and disseminating TMCC's commitment to equal opportunity, equity and inclusion at all levels of operations

Statement to Comply with Federal & State Law

TMCC is an EEO/AA (equal employment opportunity/affirmative action) institution. TMCC does not discriminate on the basis of race, color, national origin, sex, disability, age, gender, including pregnancy-related condition, gender identity or expression, sexual-orientation, protected veterans status, genetics, or religion in their programs and activities and provides equal access to facilities to all. Similarly, there shall be no difference in the treatment of persons who file charges of discrimination, participate in a discrimination proceeding, or otherwise oppose discrimination. It is our policy to comply fully with non-discrimination provision of all state and federal regulations in all programs and activities, including, but not limited to recruitment, admission, financial aid, activities, hiring, promotions, training, terminations, benefits and compensation.

Request for Funding

Has any part of this program received prior capacity funding?

Yes

Justification for Continued Capacity Funding

The prior funding for diesel was related to a new certificate program being built for heavy duty equipment technicians at the request of our mining and construction companies. The courses for that certificate have been built and are going through the approval process. The equipment received will be heavily used in that program rather than this Accelerated Early College Auto-Diesel Program with ACE High School.

Total Project Cost

\$825,000.00

WINN Funding Request

\$825,000.00

WINN is primarily a reimbursement-based grant. Can your institution cover the costs included in your budget without advanced funding?

Yes

Reimbursement invoices must be submitted quarterly, but may be submitted as often as monthly.

What are your invoicing plans?

Quarterly

Cost Estimates

TMCC-Auto-Diesel-FY23-24-WINN-Application-Budget-Template (2).xlsx

Budget Narrative

Auto-Diesel Early College Budget Narrative (1).docx

APPLICATION FOR WINN FUNDS - BUDGET BREAKDOWN

APPLICANT NAME: TMCC

PROJECT NAME: TMCC-ACE Accelerated Early College Auto/Diesel Program

PROJECT PERIOD: July 1, 2024 - June 30, 2025

PRIORITY PROGRAM COSTS

Enter the total cost for each line in the far right column

Total WINN Request

Candidate Assessment Fees

Curriculum Development and Instructional Services

Equipment or Technology for Training

\$795,750.00

Priority Costs Subtotal: \$795,750.00

ALLOWABLE PROGRAM COSTS

Enter the total cost for each line in the far right column

Total WINN Request

Training Fees

\$8,000.00

Analysis of On-Site Training

Administrative or Support Personnel *(May not exceed 10% of total request)*

Instructional Facility Costs

Program Recruiting and Promotion

\$21,250.00

Other Necessary Costs

Non-Priority Costs Subtotal: \$29,250.00

TOTAL WINN REQUEST: \$825,000.00

Please contact Stacey Bostwick at 702-486-0609 with any questions regarding the budget breakdown template.

Accelerated Early College Auto-Diesel Budget Narrative

Total WINN Request: **\$825,000**

Priority Program Cost: **\$795,750**

- 1) *Equipment or Technology for Training: \$795,750*
- 2) *Training Fees: \$8,000*
- 3) *Program Recruitment and Promotion: \$21,250*

1) **Equipment or Technology for Training: \$795,750**

TMCC's Auto/ Diesel Technician program trains students to repair diesel power systems through a series of industry driven certifications and TMCC program pathways. We have worked to accelerate the turnout of trained graduates by strengthening our longstanding dual credit program with ACE High School into an Early College High School Program in which students will earn up to 13 TMCC and NC3 credentials by the time they complete high school, making them highly employable. While we have addressed the acceleration in training, we are lacking sufficient physical equipment necessary to deliver the curriculum. To keep pace with changing technology and support this new TMCC-ACE Early College High School, the college needs to make this workforce investment.

FY25 Total Equipment and Technology Cost: **\$795,750**

ITEM	CATEGORY	AMOUNT
Outreach vehicle trailer	EQUIPMENT	\$7,100
Hunter Tire Changer 34R	EQUIPMENT	\$33,918
OTC Powertrain Lift Table	EQUIPMENT	\$6,569
Snap-on Torque Wrenches 1/2 drive	SUPPLY	\$2,426
Snap-on Torque Wrenches 3/8 drive	SUPPLY	\$2,376
Cylinder heads and supercharger	EQUIPMENT	\$9,891
Engine Performance System for School Truck	SUPPLY	\$605
Tools for student lab toolboxes (10)	EQUIPMENT	\$58,000
Build A Bay with installation (11)	EQUIPMENT	\$114,650
Mustang 150 Dynamometer	EQUIPMENT	\$93,420
CAT running engine stand (C4.4)	EQUIPMENT	\$27,755
CAT running engine stand (C9.3)	EQUIPMENT	\$38,366
Cummins running engine stand	EQUIPMENT	\$50,000
New (used) semi trucks (2)	EQUIPMENT	\$226,463
Electrical Trainers (12)	SUPPLY	\$38,760
Trans Jacks (3)	SUPPLY	\$7,650
Trans jack adapters	SUPPLY	\$622
Allison Training Transmissions (10)	EQUIPMENT	\$33,000
Diesel tools	SUPPLY	\$44,179
TOTAL		\$795,750

2) Training Fees: \$8,000

Faculty must be trained to properly utilize the new modernized engines requested for the program. Much of our equipment is so outdated the emissions systems are not what is currently seen in industry. This will require faculty to attend engines training to ensure they are providing current information and effective learning activities to students. Fees for training will include registration costs and travel per the most economical means possible and aligned with GSA standards.

3) Program Recruitment and Promotion: \$21,250

In this digital age, digital ads engage students with content. Marketing funds will be used to contract for digital ads highlighting students in the program and employers who can speak to the value of the program, as well as career opportunities that result from training. We also need funds to design and produce rack cards and roll up banners for the program to distribute at outreach events to attract non-traditional and diverse students in our community. When students see themselves represented in non-traditional fields they believe they can be successful in those fields, contributing to the diverse workforce we seek.



Empire Southwest, LLC

1725 S. Country Club Dr.
Mesa, AZ 85210-6003
480.633.4300 tel
480.633.4489 fax

April 4th, 2024

Elaine Silverstone, Director of Workforce Development
Governor’s Office of Economic Development
1 State of Nevada Way, 4th Floor Las Vegas
Las Vegas, NV 89119

Subject: Workforce Innovations for a New Nevada (WINN) Application

Dear Ms. Silverstone:

Empire Southwest is the Caterpillar dealership servicing 29 locations and 33 mine sites in Nevada, Arizona, and eastern California. Empire is a privately owned business established in 1950 with 4500+ employees. Empire partners with secondary education and post-secondary institutions to help develop our workforce.

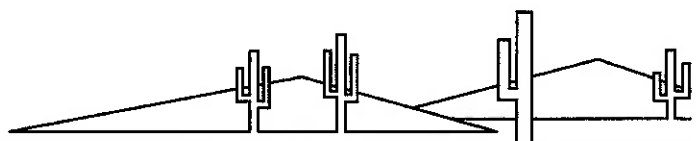
By this letter, we wish to express our need for and support for the expansion of TMCC's Diesel Technician program to provide our organization with the skilled workforce we need. Empire has a strong demand for qualified Heavy Equipment Technicians. The increased capacity of TMCC’s diesel program will help ensure there is sufficient qualified workforce for us to employ in high-wage opportunities.

Empire anticipates growing our technical workforce by approximately 1400 people in the next 3 years. Technician pay range is between \$20 - \$64 per hour based upon experience. In addition to hourly pay, Technicians may receive differential compensation based upon work location and shift. Empire is confident that TMCC’s Diesel program will help contribute to the highly skilled workforce needed to meet market demand.

We understand the need to report outcomes for this publicly funded effort. Empire will work with TMCC to report hiring metrics and market demands as needed. We look forward to continuing to work in partnership with TMCC and other stakeholders in this important effort. Sincerely yours, Adrian Reaux General Manager of Corporate Talent Development

Sincerely yours,

Adrian Reaux
General Manager of Corporate Talent Development





April 5th, 2024

Elaine Silverstone, Director of Workforce Development
Governor's Office of Economic Development
1 State of Nevada Way, 4th Floor Las Vegas
Las Vegas, NV 89119

Subject: Workforce Innovations for a New Nevada (WINN) Application

Dear Ms. Silverstone:

At Papé, we are a leading supplier of construction, logging, mining, material handling, landscaping, trenching, and farm equipment, as well as semi-trucks and warehouse products in the West. Papé currently has 4,500+ members, 160+ stores, and operates in 9 western states including California, Nevada, Oregon, Washington, Idaho, Montana, Hawaii, Arizona and Alaska. Diesel Technicians continue to be a huge driver and need for our company.

By this letter, we wish to express our need for and support for the expansion of the Truckee Meadows CC Diesel Technician program to provide our organization with the skilled workforce we need. At this moment, we have over 200 open Technician positions. We only expect that number to increase as we grow as a company and the technician workforce continues to age. On average, the Entry-Level Technicians that join our team make between \$20-\$30/hr, depending on experience. This increased capacity of this program will ensure there is sufficient qualified workforce for us to employ in high-wage opportunities that we have not been able to fill by other means. We are confident that this program will provide the highly skilled workforce we need.

We understand the need to report outcomes for this publicly funded effort and will ensure we report any and all Technician hires we make from the program. We look forward to continuing to work in partnership with the Truckee Meadows CC and other stakeholders in this important effort.

Sincerely,

Brandon Morse
Recruiting Manager
The Papé Group, Inc.



**To: Elaine Silverstone, Director of Workforce Development
Governor's Office of Economic Development
1 State of Nevada Way, 4th Floor Las Vegas
Las Vegas, NV 89119**

Date: 4/2/2024

Subject: Workforce Innovations for a New Nevada (WINN) Application

Dear Ms. Silverstone:

Peterbilt Truck Parts & Equipment is a locally owned and operated truck dealership in Reno Nevada. Our company provides truck sales/leasing, service, body shop, and parts to meet the needs of the transportation industry locally and abroad. We employ approximately 160 people between our two stores. Our business is largely dependent upon talented tradesmen to support our operations. We are an equal opportunity employer and provide career paths and training to meet the demands of our industry. By this letter, we wish to express our support for the Truckee Meadows Community College (TMCC) Auto/Diesel Training Program built to serve the needs of Transportation employers seeking high-skill workers in Nevada. This program offers high-wage opportunities to workers obtaining skills at TMCC. At our company, we anticipate approximately 30 such openings in the next 5 years and are confident that this program will help provide the highly skilled workforce we will need. The new Early College High School model will help accelerate the turnout of trained workers.

Peterbilt Truck Parts & Equipment is involved with supporting this program and is committed to our partnership with TMCC. Our dealership group has become a corporate sponsor of this program. Additionally, we work to get TMCC original equipment manufacturer training curriculums in place that students and instructors can take advantage of. This will strengthen the authenticity of the program and provide well rounded students upon completion. Peterbilt Truck Parts & Equipment proudly volunteers the time of our journeymen technicians to offer training on site for students. Our dealer group works with industry partners to supply the school with training tools and equipment such as trucks, engines, transmissions, etc. TMCC students are provided tours/open houses at our facilities each semester. Our dealer group also sponsors the Center for Applied Logistics Management program at TMCC to support the future leaders of our industry. This application for WINN funds was developed through a collaborative partnership of regional stakeholders including TMCC, ACE High School, and Peterbilt Truck Parts & Equipment. We recognize the need for, and support the development of this Industry-based training program. We look forward to continuing to work in partnership with TMCC and other stakeholders in this important effort.

Sincerely yours,

Lane Powell-Chief Operations Officer, Peterbilt Truck Parts & Equipment

PETERBILT PACLEASE OF RENO/SPARKS

2255 LARKIN CIRCLE, SPARKS, NEVADA 89431-6500

(775) 336-5327 - FAX (775) 685-6027



To: Truckee Meadows Community College

Date: 4/2/2024

Subject: Employee Partner Skill Requirements

Company Name – Peterbilt Truck Parts & Equipment

Company Function or Industry - Transportation, logistics, supply chain

Primary Point of Contact

Lane Powell

Chief Operations Officer, Peterbilt Truck Parts & Equipment

775-359-8840

lpowell@peterbilttpe.com

Job Titles to Be Filled

Diesel Technicians, Body Shop Technicians, Parts Sales, Warehouse Staff

Number of Jobs to Fill/Create

Approximately 30 over the next 5 years

Estimated Hourly Wage

\$23-\$45 per hour

Company Type

Support – Truck repair, sales, leasing, parts sales

Sincerely yours,

Lane Powell-Chief Operations Officer, Peterbilt Truck Parts & Equipment



**SILVER STATE INTERNATIONAL TRUCKS
IDEALEASE OF RENO/SPARKS**

Phone 775-685-6000
Fax 775-685-6015
Toll Free 800-950-2443

2255 LARKIN CIRCLE, P.O. BOX 1680, SPARKS, NV 89431

**To: Elaine Silverstone, Director of Workforce Development
Governor's Office of Economic Development
1 State of Nevada Way, 4th Floor Las Vegas
Las Vegas, NV 89119**

Date: 4/2/2024

Subject: Workforce Innovations for a New Nevada (WINN) Application

Dear Ms. Silverstone:

Silver State International is a locally owned and operated truck dealership in Reno Nevada. Our company provides truck sales/leasing, service, body shop, and parts to meet the needs of the transportation industry locally and abroad. We employ approximately 160 people between our two stores. Our business is largely dependent upon talented tradesmen to support our operations. We are an equal opportunity employer and provide career paths and training to meet the demands of our industry. By this letter, we wish to express our support for the Truckee Meadows Community College (TMCC) Auto/Diesel Training Program built to serve the needs of Transportation employers seeking high-skill workers in Nevada. This program offers high-wage opportunities to workers obtaining skills at TMCC. At our company, we anticipate approximately 30 such openings in the next 5 years and are confident that this program will help provide the highly skilled workforce we will need. The new Early College High School model will help accelerate the turnout of trained workers.

Silver State International is involved with supporting this program and is committed to our partnership with TMCC. Our dealership group has become a corporate sponsor of this program. Additionally, we work to get TMCC original equipment manufacturer training curriculums in place that students and instructors can take advantage of. This will strengthen the authenticity of the program and provide well rounded students upon completion. Silver State International proudly volunteers the time of our journeymen technicians to offer training on site for students. Our dealer group works with industry partners to supply the school with training tools and equipment such as trucks, engines, transmissions, etc. TMCC students are provided tours/open houses at our facilities each semester. Our dealer group also sponsors the Center for Applied Logistics Management program at TMCC to support the future leaders of our industry. This application for WINN funds was developed through a collaborative partnership of regional stakeholders including TMCC, ACE High School, and Silver State International. We recognize the need for, and support the development of this Industry-based training program. We look forward to continuing to work in partnership with TMCC and other stakeholders in this important effort.

Sincerely yours,

Lane Powell-Chief Operations Officer, Silver State International



**SILVER STATE INTERNATIONAL TRUCKS
IDEALLEASE OF RENO/SPARKS**

Phone 775-685-6000
Fax 775-685-6015
Toll Free 800-950-2443

2255 LARKIN CIRCLE, P.O. BOX 1680, SPARKS, NV 89431

To: Truckee Meadows Community College

Date: 4/2/2024

Subject: Employee Partner Skill Requirements

Company Name - Silver State International

Company Function or Industry - Transportation, logistics, supply chain

Primary Point of Contact

Lane Powell

Chief Operations Officer, Silver State International

775-685-6000

lpowell@ssitrucks.com

Job Titles to Be Filled

Diesel Technicians, Body Shop Technicians, Parts Sales, Warehouse Staff

Number of Jobs to Fill/Create

Approximately 30 over the next 5 years

Estimated Hourly Wage

\$23-\$45 per hour

Company Type

Support – Truck repair, sales, leasing, parts sales

Sincerely yours,

Lane Powell-Chief Operations Officer, Silver State International

A handwritten signature in black ink, appearing to be "Lane Powell", written in a cursive style.

April 4, 2024

Elaine Silverstone, Director of Workforce Development
Governor's Office of Economic Development
1 State of Nevada Way, 4th Floor Las Vegas
Las Vegas, NV 89119

Subject: Workforce Innovations for a New Nevada (WINN) Application

Dear Ms. Silverstone:

Corwin GMC Buick Cadillac Reno, a part of Corwin Automotive Group, believes in community involvement and engagement. We are comprised of our employees, most who have lived and raised families here in Northern Nevada. We understand the value and importance of local education and career development.

By this letter, we wish to express our support for the Truckee Meadows Community College (TMCC) Auto/Diesel Training Program built to serve the needs of Transportation employers seeking high-skill workers in Nevada. This program offers high-wage opportunities to workers obtaining skills at TMCC. At our company, we anticipate approximately [20] such openings in the next [5] years and are confident that this program will help provide the highly-skilled workforce we will need. The new Early College High School model will help accelerate the turnout of trained workers.

We have been involved with TMCC and the Auto/Diesel Training program for the last several years. We are currently working with the staff at TMCC together with our manufacturer to further bolster the training skills offered in conjunction with the current curriculum.

This application for WINN funds was developed through a collaborative partnership of regional stakeholders including TMCC, ACE High School, and Corwin GMC Buick Cadillac of Reno. We recognize the need for, and support the development of this Industry-based training program.

We look forward to continuing to work in partnership with TMCC and other stakeholders in this important effort.

Sincerely yours,

Preston Rasmussen
Service Manager
Corwin GMC Buick Cadillac Reno

April 2, 2024

Elaine Silverstone, Director of Workforce Development
Governor's Office of Economic Development
1 State of Nevada Way, 4th Floor Las Vegas
Las Vegas, NV 89119

Subject: Workforce Innovations for a New Nevada (WINN) Application

Dear Ms. Silverstone:

At Velocity Truck Centers, we assist with any aspect of the commercial truck industry. From truck sales and financing to free grant advice, our goal is to be the one stop shop experts for all truckers, owner operators, fleet and companies alike. We have locations spread across North America and Mexico to ensure there is always access to a reputable truck dealership to assist with anything you may need.

By this letter, we wish to express our support for the Truckee Meadows Community College (TMCC) Auto/Diesel Training Program built to serve the needs of Transportation employers seeking high-skill workers in Nevada. This program offers high-wage opportunities to workers obtaining skills at TMCC. At our company, we anticipate approximately 30 such openings in the next 5 years and are confident that this program will help provide the highly-skilled workforce we will need. The new Early College High School model will help accelerate the turnout of trained workers.

Velocity is not directly involved in building the program but we have donated a full engine and truck to the program to assist with training on our brand.

This application for WINN funds was developed through a collaborative partnership of regional stakeholders including TMCC, ACE High School, and Velocity Truck Centers. We recognize the need for, and support the development of this Industry-based training program.

We look forward to continuing to work in partnership with TMCC and other stakeholders in this important effort.

Sincerely yours,

Jimmy Dobson
Service Manager



O*NET OnLine

Bus and Truck Mechanics and Diesel Engine Specialists

49-3031.00

Updated 2024

Diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics working primarily with automobile or marine diesel engines.

Sample of reported job titles: Bus Mechanic, Diesel Mechanic, Diesel Technician (Diesel Tech), Fleet Mechanic, General Repair Mechanic, Heavy Truck Mechanic, Service Technician, Trailer Mechanic, Transit Mechanic, Truck Mechanic

Summary

Details

Custom

Easy Read

Veterans

Español

Contents

Occupation-Specific Information

Tasks

5 of 26 displayed

- ⊕ Use handtools, such as screwdrivers, pliers, wrenches, pressure gauges, or precision instruments, as well as power tools, such as pneumatic wrenches, lathes, welding equipment, or jacks and hoists.
- ⊕ Inspect brake systems, steering mechanisms, wheel bearings, and other important parts to ensure that they are in proper operating condition.
- ⊕ Raise trucks, buses, and heavy parts or equipment using hydraulic jacks or hoists.
- ⊕ Adjust and reline brakes, align wheels, tighten bolts and screws, and reassemble equipment.
- ⊕ Attach test instruments to equipment, and read dials and gauges to diagnose malfunctions.

Technology Skills

5 of 12 displayed

- ⊕ **Analytical or scientific software** — Cummins INSITE; Engine diagnostic software
- ⊕ **Computer aided design CAD software** — Autodesk AutoCAD 🔥; Dassault Systemes CATIA; Dassault Systemes SolidWorks 🔥
- ⊕ **Enterprise resource planning ERP software** — SAP software 🔥

- + **Facilities management software** — Computerized maintenance management system software CMMS; Shop management software
- + **Spreadsheet software** — Microsoft Excel 🔥



Hot Technologies are requirements most frequently included across all employer job postings.

[See all 6 Hot Technologies for this occupation.](#)

Occupational Requirements

Work Activities

5 of 25 displayed

- + **Repairing and Maintaining Mechanical Equipment** — Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.
- + **Inspecting Equipment, Structures, or Materials** — Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- + **Getting Information** — Observing, receiving, and otherwise obtaining information from all relevant sources.
- + **Identifying Objects, Actions, and Events** — Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
- + **Operating Vehicles, Mechanized Devices, or Equipment** — Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or watercraft.

Detailed Work Activities

5 of 25 displayed

- + Select tools, equipment, or technologies for use in operations or projects.
- + Inspect mechanical components of vehicles to identify problems.
- + Operate cranes, hoists, or other moving or lifting equipment.
- + Adjust vehicle components according to specifications.
- + Test mechanical equipment to ensure proper functioning.

Work Context

5 of 39 displayed

- + **Exposed to Contaminants** — 85% responded “Every day.”
- + **Spend Time Using Your Hands to Handle, Control, or Feel Objects, Tools, or Controls** — 80% responded “Continually or almost continually.”

- ⊕ **Wear Common Protective or Safety Equipment such as Safety Shoes, Glasses, Gloves, Hearing Protection, Hard Hats, or Life Jackets** — 78% responded “Every day.”
- ⊕ **Face-to-Face Discussions** — 90% responded “Every day.”
- ⊕ **In an Enclosed Vehicle or Equipment** — 68% responded “Every day.”

Experience Requirements

Job Zone

Title	Job Zone Three: Medium Preparation Needed
Education	Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.
Related Experience	Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job.
Job Training	Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.
Job Zone Examples	These occupations usually involve using communication and organizational skills to coordinate, supervise, manage, or train others to accomplish goals. Examples include hydroelectric production managers, desktop publishers, electricians, agricultural technicians, barbers, court reporters and simultaneous captioners, and medical assistants.
SVP Range	(6.0 to < 7.0)

Training & Credentials

State training	Nevada	Go
Local training	ZIP Code 89502	Go
Certifications	Find certifications nationwide	
State licenses	Nevada	Go

Apprenticeship Opportunities

5 of 6 displayed

Example apprenticeship titles for this occupation:

- Diesel Mechanic (Alternate Title: Power-Generation Equipment Repairer)
- Machinist, Marine Engine
- Maint Mechanic (Const; Petrol) (Alternate Title: Heavy-Wheel Vehicle Mechanic)
- Mechanic, Industrial Truck (Alternate Titles: Diesel Mech/Power-Gen Equip Rep)
- Oil Field Equip Mechanic

Specific title(s) listed above are vetted by industry and approved by the U.S. Department of Labor for use in a Registered Apprenticeship Program.

Start your career and build your skillset. Visit [Apprenticeship.gov](https://www.apprenticeship.gov) to learn about opportunities related to this occupation.

Worker Requirements

Skills

5 of 14 displayed

- ➕ **Repairing** — Repairing machines or systems using the needed tools.
- ➕ **Troubleshooting** — Determining causes of operating errors and deciding what to do about it.
- ➕ **Operations Monitoring** — Watching gauges, dials, or other indicators to make sure a machine is working properly.
- ➕ **Equipment Maintenance** — Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.
- ➕ **Critical Thinking** — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.

Knowledge

5 of 8 displayed

- ➕ **Mechanical** — Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
- ➕ **Transportation** — Knowledge of principles and methods for moving people or goods by air, rail, sea, or road, including the relative costs and benefits.
- ➕ **Education and Training** — Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.
- ➕ **English Language** — Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.
- ➕ **Public Safety and Security** — Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property,

and institutions.

Education

How much education does a new hire need to perform a job in this occupation? Respondents said:

- 39% Post-secondary certificate required
- 37% High school diploma or equivalent required [?](#)

Worker Characteristics

Abilities

5 of 26 displayed

- + **Near Vision** — The ability to see details at close range (within a few feet of the observer).
- + **Arm-Hand Steadiness** — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.
- + **Finger Dexterity** — The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.
- + **Manual Dexterity** — The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.
- + **Control Precision** — The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.

Interests

All 3 displayed

Interest code: **RCI**

[?](#) Want to discover your interests? Take the [O*NET Interest Profiler](#) at My Next Move.

- + **Realistic** — Work involves designing, building, or repairing of equipment, materials, or structures, engaging in physical activity, or working outdoors. Realistic occupations are often associated with engineering, mechanics and electronics, construction, woodworking, transportation, machine operation, agriculture, animal services, physical or manual labor, athletics, or protective services.
- + **Conventional** — Work involves following procedures and regulations to organize information or data, typically in a business setting. Conventional occupations are often associated with office work, accounting, mathematics/statistics, information technology, finance, or human resources.
- + **Investigative** — Work involves studying and researching non-living objects, living organisms, disease or other forms of impairment, or human behavior. Investigative occupations are often associated with

physical, life, medical, or social sciences, and can be found in the fields of humanities, mathematics/statistics, information technology, or health care service.

Work Values

^ All 3 displayed

- + Support** — Occupations that satisfy this work value offer supportive management that stands behind employees. Corresponding needs are Company Policies, Supervision: Human Relations and Supervision: Technical.
- + Relationships** — Occupations that satisfy this work value allow employees to provide service to others and work with co-workers in a friendly non-competitive environment. Corresponding needs are Co-workers, Moral Values and Social Service.
- + Achievement** — Occupations that satisfy this work value are results oriented and allow employees to use their strongest abilities, giving them a feeling of accomplishment. Corresponding needs are Ability Utilization and Achievement.

Work Styles

∨ 5 of 16 displayed

- + Attention to Detail** — Job requires being careful about detail and thorough in completing work tasks.
- + Dependability** — Job requires being reliable, responsible, and dependable, and fulfilling obligations.
- + Analytical Thinking** — Job requires analyzing information and using logic to address work-related issues and problems.
- + Initiative** — Job requires a willingness to take on responsibilities and challenges.
- + Integrity** — Job requires being honest and ethical.

Workforce Characteristics

Wages & Employment Trends

Median wages (2022) \$26.14 hourly, \$54,360 annual

State wages

Nevada

Go

Local wages

ZIP Code 89502

Go

Employment (2022) 291,600 employees

Projected growth (2022-2032) ■■■■ Little or no change

Projected job openings 24,300
(2022-2032)

State trends

Nevada

Go

Top industries [Transportation and Warehousing](#)
(2022) [Wholesale Trade](#)

Source: Bureau of Labor Statistics [2022 wage data](#) and [2022-2032 employment projections](#). "Projected growth" represents the estimated change in total employment over the projections period (2022-2032). "Projected job openings" represent openings due to growth and replacement.

Job Openings on the Web

State job openings

Nevada

Go

Local job openings

ZIP Code



89502

Go

More Information

Related Occupations





5 of 10 displayed

- 49-3023.00 [Automotive Service Technicians and Mechanics](#)
- 51-2031.00 [Engine and Other Machine Assemblers](#)
- 49-3042.00 [Mobile Heavy Equipment Mechanics, Except Engines](#) 
- 49-3051.00 [Motorboat Mechanics and Service Technicians](#) 
- 49-3043.00 [Rail Car Repairers](#)

Professional Associations

Disclaimer: Sources are listed to provide additional information on related jobs, specialties, and/or industries. Links to non-DOL Internet sites are provided for your convenience and do not constitute an endorsement.





National Associations

- [American Bus Association](#) 
- [Association of Diesel Specialists](#) 
- [International Association of Machinists and Aerospace Workers](#) 
- [SkillsUSA](#) 

Accreditation, Certification, & Unions

5 of 6 displayed

- [Accrediting Commission of Career Schools and Colleges](#) 

- [Amalgamated Transit Union](#) 
- [International Brotherhood of Teamsters](#) 
- [International Union of Operating Engineers](#) 
- [National Institute for Automotive Service Excellence](#) 

Bus & Truck Mechanics and Diesel Engine Specialists: 49-3031.00

Labor Market and Salary Graphics

Nevada Employment Trends

49-3031.00 - [Bus and Truck Mechanics and Diesel Engine Specialists](#)

View trends for state: Nevada

In Nevada:

Employment (2020)	1,720 employees
Projected employment (2030)	1,970 employees
Projected growth (2020-2030)	15%
Projected annual job openings (2020-2030)	190

In the United States:

Employment (2022)	291,600 employees
Projected employment (2032)	294,100 employees
Projected growth (2022-2032)	1% Little or no change
Projected annual job openings (2022-2032)	24,300

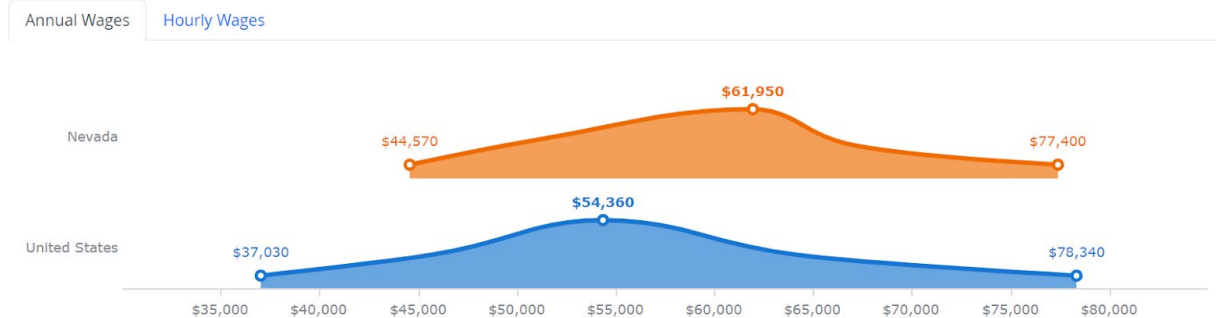
Nevada source: Projections Central [2020-2030 long-term projections](#). United States source: Bureau of Labor Statistics [2022-2032 employment projections](#). "Projected growth" represents the estimated change in total employment over the projections period. "Projected annual job openings" represent openings due to growth and replacement.

Nevada Wages

49-3031.00 - [Bus and Truck Mechanics and Diesel Engine Specialists](#)

Wages for state: Nevada

Wages near ZIP Code:



**Early College High School Model Research
Corresponds to referenced items in Statement of Need**

- 1 [Policy Analysis - Early College High Schools: Model Policy Components](#)
- 2 [The Influence of Earning an Industry Certification in High School on Going to College: The Florida CAPE Act](#)
- 3 [Attainment for All: Postsecondary Pathways, The Early College High School Model](#)