

BOARD OF REGENTS
BRIEFING PAPER

- 1. Agenda Item Title:** University of Nevada, Reno / Nevada Industry Excellence Presentation
Meeting Date: June 8 and 9, 2016

2. BACKGROUND & POLICY CONTEXT OF ISSUE:

Nevada Industry Excellence (NVIE) is an Industrial Extension Program of the Nevada System of Higher Education. The Program has been in existence since 1995 and in January 2014 moved from the Chancellor's Office to the University of Nevada, Reno's Statewide Programs. NVIE is also Nevada's Manufacturing Extension Partnership Center.

3. SPECIFIC ACTIONS BEING RECOMMENDED OR REQUESTED:

President Johnson presents for information a summary of impact and accomplishments of the NVIE.

4. IMPETUS (WHY NOW?):

NVIE has recently collected the last 5 years of economic impact from its manufacturing clients' self-reported metrics. NVIE will highlight the impacts to this important industry sector during this brief presentation.

5. BULLET POINTS TO SUPPORT REQUEST/RECOMMENDATION:

This is for information only.

6. POTENTIAL ARGUMENTS AGAINST THE REQUEST/RECOMMENDATION:

This is for information only.

7. ALTERNATIVE(S) TO WHAT IS BEING REQUESTED/RECOMMENDED:

This is for information only.

8. COMPLIANCE WITH BOARD POLICY:

- Consistent With Current Board Policy: Title #_____ Chapter #_____ Section #_____
- Amends Current Board Policy: Title #_____ Chapter #_____ Section #_____
- Amends Current Procedures & Guidelines Manual: Chapter #_____ Section #_____
- Other: _____
- Fiscal Impact: Yes_____ No X____
Explain: _____

Nevada Industry Excellence (NVIE)



NEVADA INDUSTRY EXCELLENCE:

An Engine of Growth for
Nevada's Manufacturing Economy

ABOUT NVIE

NVIE is an industrial extension program of the Nevada System of Higher Education.

NVIE is Nevada's Manufacturing Extension Partnership funded by the Dept. of Commerce NIST – MEP.

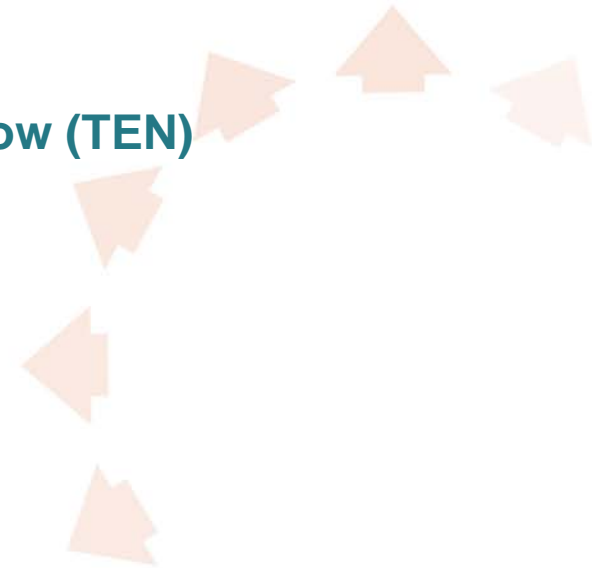
NVIE's mission is to help Nevada companies become more globally competitive and profitable.

NVIE gets rated, graded and funded on company self-reported successes as a result of NVIE's service.



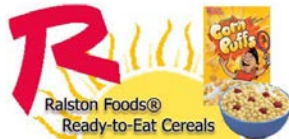
EXAMPLES OF SERVICES

- **Lean Manufacturing**
- **Six Sigma**
- **Quality Management Systems**
- **Export Plan Design and Assistance**
- **Access to Capital, R&D Tax Credits**
- **Energy Audits and Improvements**
- **New Product Development**
- **Strategic Planning**
- **Administer Statewide Train Employees Now (TEN)**



NVIE SETS HIGH STANDARDS

Successful projects throughout Nevada



CASE STUDY EXAMPLE

SUCCESS STORY

Aerovault Goes Lean to Meet Trailer Demand, Double Manufacturing Capacity

THE COMPANY:

Aerovault is a high-quality, aerodynamic car trailer manufacturer owned by Gayle Brock and her husband, legendary automotive designer Peter Brock. The company moved to Henderson, Nevada from Washington state in 2011.

THE PROBLEM:

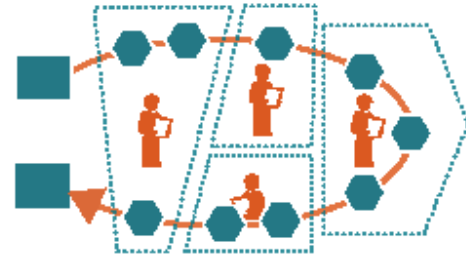
Demand for the intricate, fuel-efficient trailers was outstripping supply. Aerovault was searching for the most effective way to scale their intricate, start-to-finish manufacturing process, and looking for consultation and training resources to tap into industry-leading manufacturing techniques and processes.

THE SOLUTION:

Nevada Industry Excellence introduced a lean and cellular manufacturing model to Aerovault that allowed the company to work on multiple trailers simultaneously.

THE RESULTS:

Before introducing the lean manufacturing model, it took them 17.5 working days to complete a trailer. The shop now completes a trailer every 5 days showing a 350 percent improvement in Aerovault's productivity.



CELLULAR MANUFACTURING

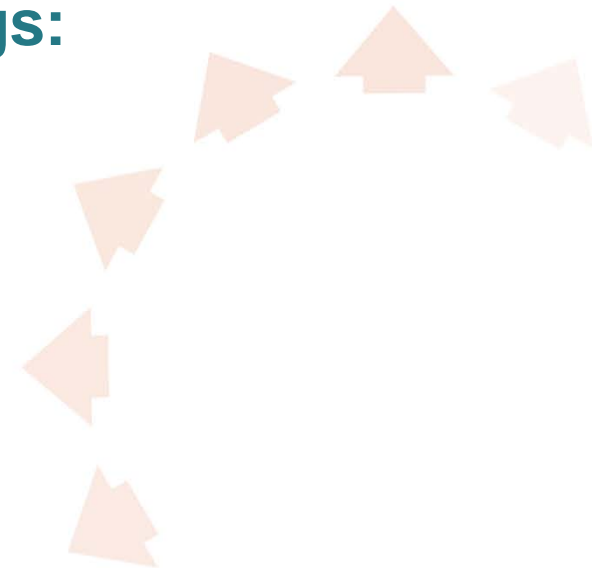


NVIE's 2014 DIRECT IMPACTS SELF-REPORTED BY CLIENTS

819 new or retained jobs

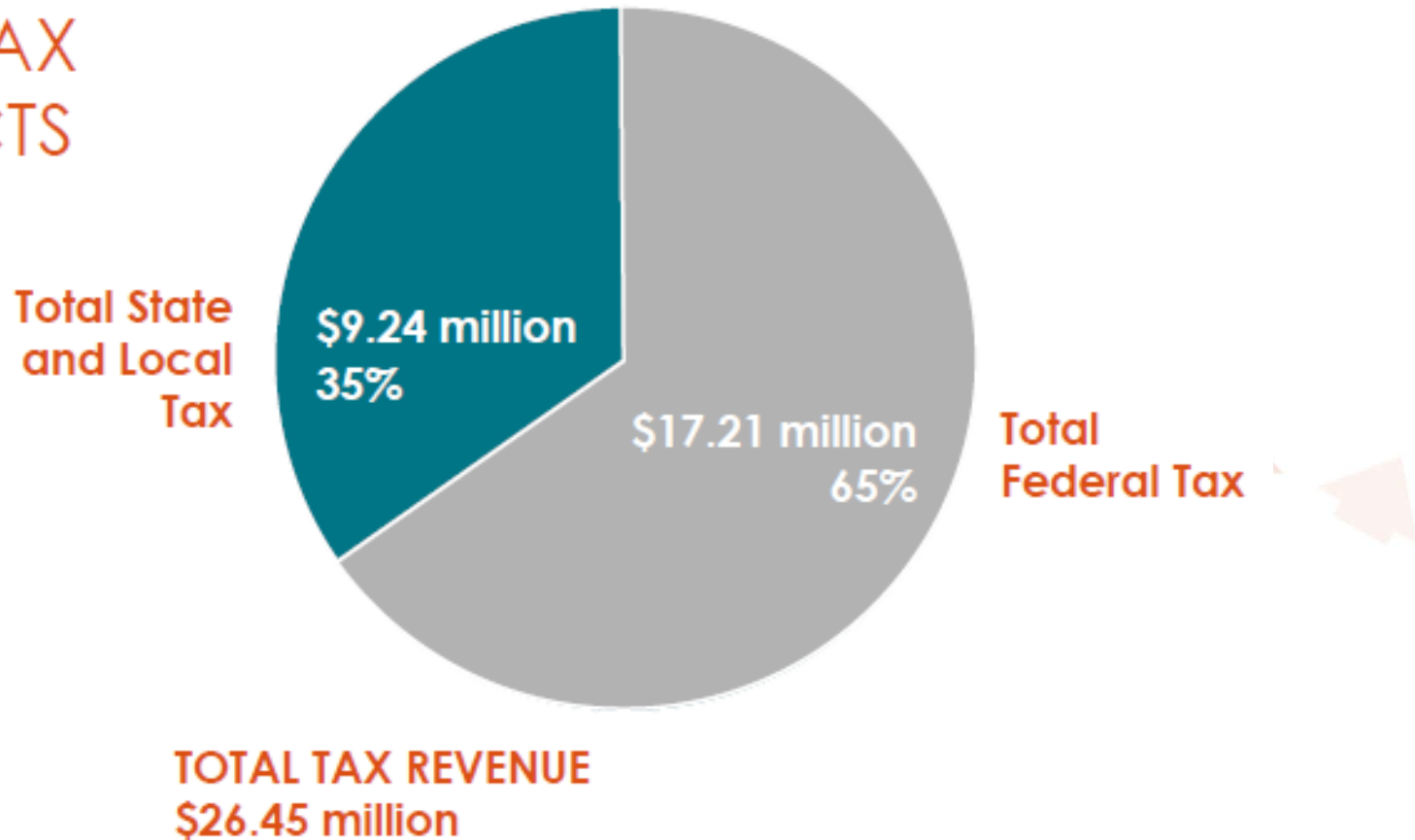
Nearly \$9.5M in new or retained sales

**Manufacturing cost savings:
\$7.77M**



IMPLAN* RESULTS - 2014 TAX IMPACTS

2014 TAX IMPACTS



* Prepared by UNR Center for Economic Development

IMPLAN RESULTS TOTAL IMPACTS BY COUNTY - 2014

Clark County **\$193 million**

Washoe/Storey **\$113.5 million**

Carson City **\$20 million**

Rural Areas **\$21.5 million**

* Prepared by UNR Center for Economic Development

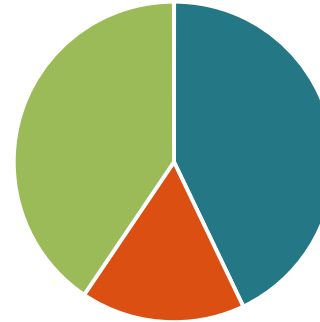
MEP PREFERRED FUNDING MODEL

MEP Preferred Model



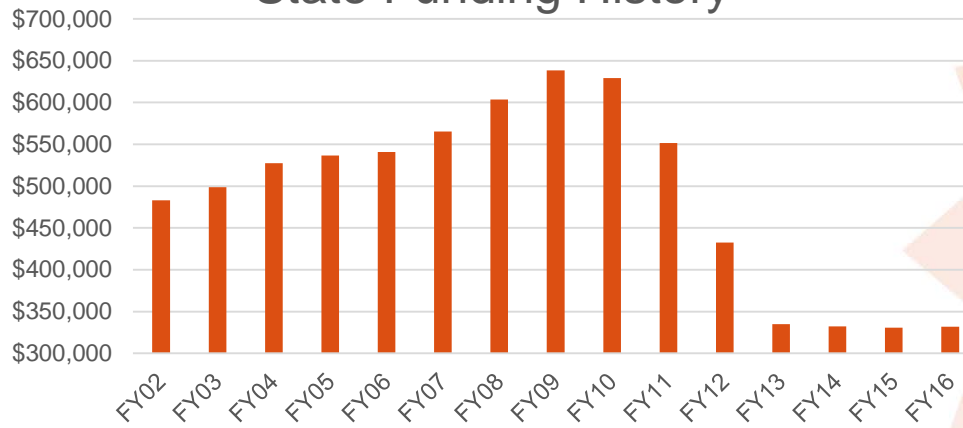
■ NIST MEP ■ State ■ Client Fees

NVIE FY15



■ NIST MEP ■ State ■ Client Fees

State Funding History



THANK YOU

NVIE will be competing for a five year award with the NIST-MEP program summer of 2016.

Nevada is poised for growth in the advanced manufacturing industry.

