

Office of Outreach and Recruitment Engineering Business Assistance

PRESENTATION TO WATER & NATURAL RESOURCES INTERIM
LEGISLATIVE COMMITTEE

8-23-2022

College of Engineering

Office of Outreach and Recruitment



BE BOLD. Shape the Future.
New Mexico State University

Engineering Business Assistance Programs

Pollution Prevention
(P2 Program)

Environment, Energy, Economy
(E3 Program)





THE BORDERPLEX ALLIANCE



EPA



NEW MEXICO
BREWERS GUILD



EDD
ECONOMIC
DEVELOPMENT
DEPARTMENT

PNM Resources®

Office of Outreach and
Recruitment

TMAC
Work Smart. Grow Smart.™

NMRC
NEW MEXICO RECYCLING COALITION

new mexico manufacturing
MEP extension
partnership

NEW MEXICO
emnr
Energy, Minerals and Natural Resources Department



TRI-STATE

NM
STATE

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The American Indian Chamber of Commerce of New Mexico



SANTA FE GREEN CHAMBER OF COMMERCE



Other State Partners



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Funding Received from USDA (REAP)

NM Rural Business Development

Partnered With: NMED,
NMSU, and MEP

20 Interview Series

500+ Participants

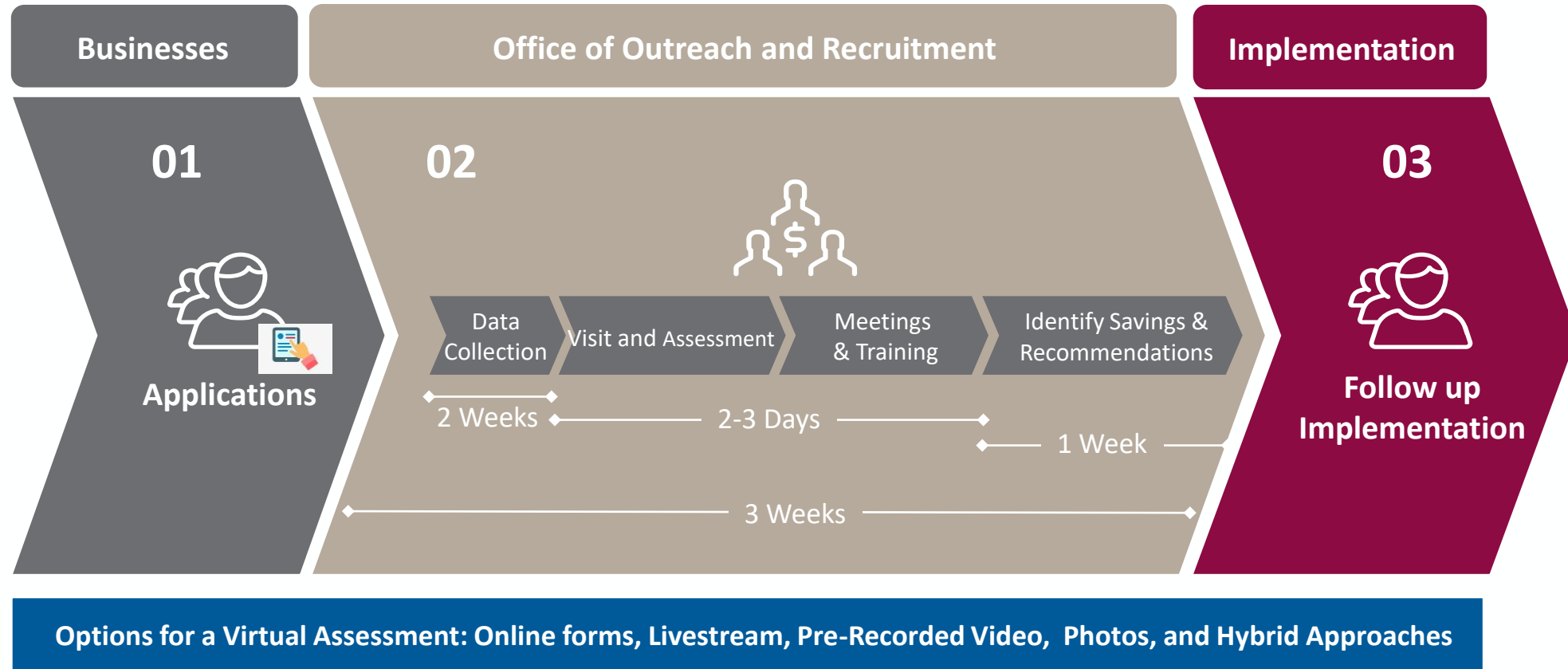
Resulted in 16 Full
Assessments

- Since 2016, NMSU has conducted 57 on-site assessments have been performed throughout New Mexico and El Paso, Texas.
- Assessments have been conducted in 13 counties throughout New Mexico and Texas, including:
 - Dona Ana County
 - Santa Fe County
 - Taos County
 - Curry County
 - Lincoln County
 - Mora County
 - Socorro County
 - Bernalillo County
 - Sandoval County
 - Otero County
 - Grant County
 - Rio Arriba County
 - El Paso County, TX

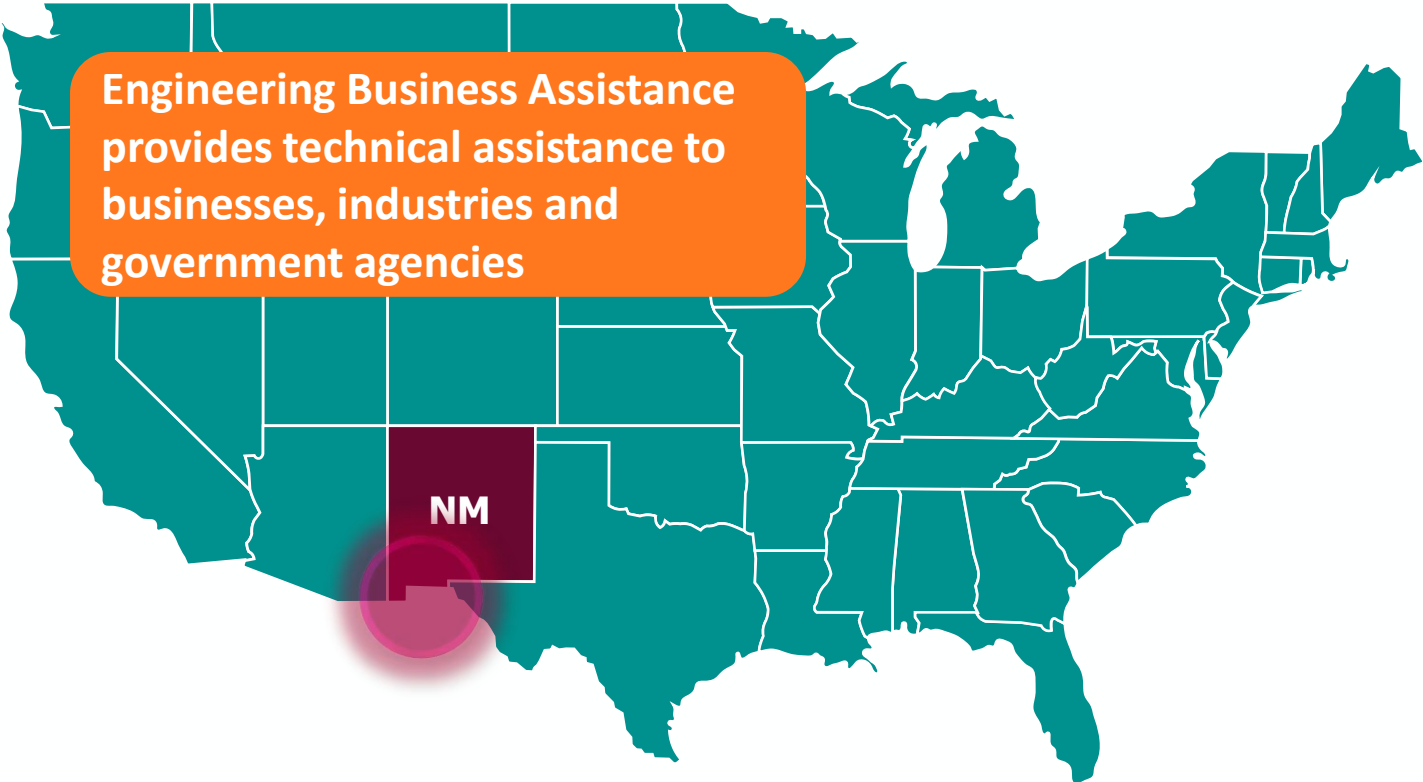
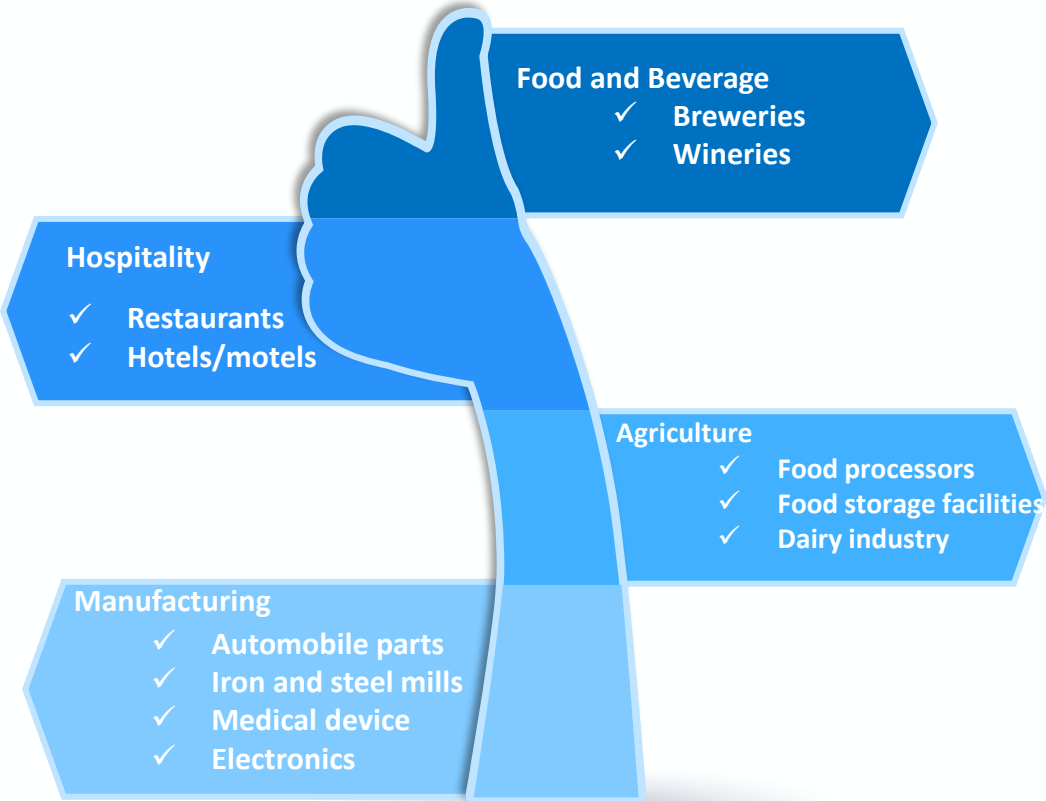
Assessment Process

On-site P2 / E3 assessments for pollution prevention and energy-efficiency for businesses

- Assessment Process focused on identifying operational efficiencies using business-specific data and delivery of customized report with recommendations for adoption.
- Meet with business management team to review recommendations and discuss steps for implementation.
- Obtain management review of feedback report
- Conduct 6-month post-assessment follow-up.



Industrial Sectors Served



E3 and P2 Services in New Mexico and El Paso TX

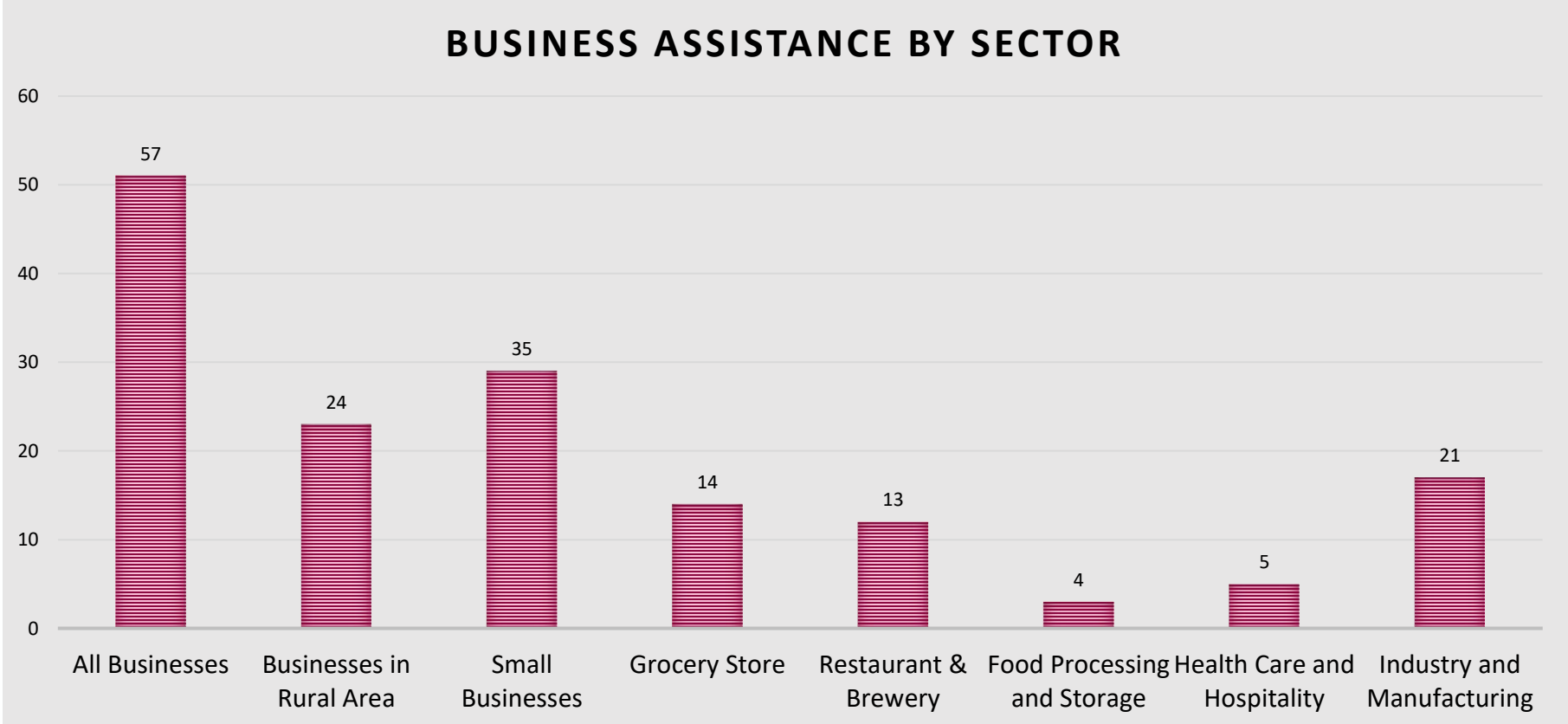
57 businesses served



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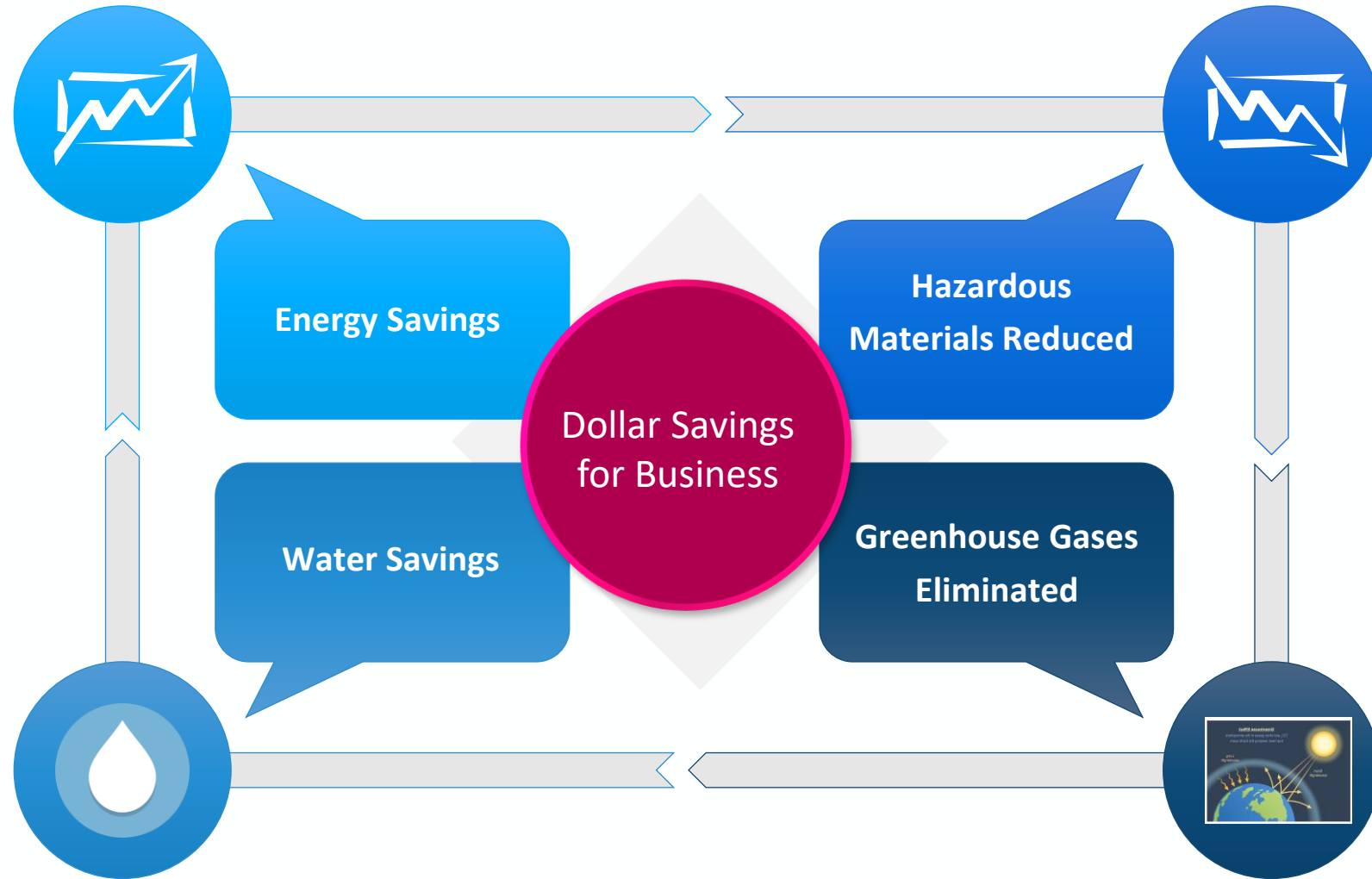
Assessment Services in New Mexico and El Paso, TX

Las Cruces
Silver City
Bernalillo
El Paso Santa Fe
Clovis Afton
Albuquerque
Cuba
Socorro
Cedar Crest
Taos El Rito
Alamogordo Mora



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Assessment Results and Environmental Impact



Implementation Follow up and Resource Availability

Recommendations for No-Cost Savings

- Process improvements
- Operational maintain
- Employee training

Recommendations for Strategic Investments

- Equipment upgrades
- Facility renovation
- Facility layout and design
- Renewable energy integration

Available Resources

- Introduce Loans and Grants
- Utility Companies Rebates
- Water Saving Incentive

P2/E3 Potential Environmental Impact of Proposed Recommendations (2021-2022)



Greenhouse Gases
Elimination

32,628
MTCO2



Water
savings

3,171,942
Gallons



Energy
saving

1,249,603
kWh



Hazardous Material &
Solid Waste Reduction

1,186
Tons

P2/E3 Potential Savings Based on Recommendations (2021-2022)



Potential Cost-Savings

\$1,601,173

P2/E3 Actual Impact of Recommendations Implemented to Date* (2021-2022)



Greenhouse Gases
Elimination

15,004
MTCO2



Water
savings
140,671
Gallons



Energy
saving
624,801
kWh



Hazardous Material &
Solid Waste Reduction

1,183
Tons

P2/E3 Actual Cost Savings for Adopted Recommendations (2021-2022)



Actual Cost-Savings
to Date

\$662,582.00



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Plans for the Future

- Pending Assessments (14 statewide)
 - 8 in hospitality sector
 - 1 manufacturing
 - 3 agriculture
 - 1 NGO
 - 1 electric utility
- Expand business assistance services beyond EPA National Emphasis Areas (NEAs)
- Continue NM Rural Development Business program with NMEDD and NMED
- Develop sector-based Case Studies and expand business assistance resources



Questions?



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