This meeting is being recorded. The link to the recording and presentation will be shared after the event is complete.

All participant microphones are auto-muted. We will allow for the option to unmute at the end of the presentation.

Please use the chat box for questions and comments. When a main question arises, we will discuss it after the section of the presentation ends.

Surveys will be integrated throughout the presentation to gather live feedback.
PSN Kick-Off Meeting

1. Welcome & Introductions
2. NV Waste and Recycling
3. PSN Initiative Overview
4. Survey Discussion
5. Next Steps
6. Questions & Answers
Welcome & Introductions

Daren Winkelman
BUREAU OF SUSTAINABLE MATERIALS MANAGEMENT
BUREAU CHIEF

Kayla Alm
SUSTAINABLE MATERIALS MANAGEMENT COORDINATOR
CARSON CITY

Bree Case
SUSTAINABLE MATERIALS MANAGEMENT COORDINATOR
LAS VEGAS
Statewide Stakeholder Representation

Government - 27%
- Health districts
- Municipalities
- Public transportation
- School districts
- Solid waste facilities
- State agencies

Private - 34%
- Casinos
- Composting
- Construction
- Consulting
- Contractors
- Grocery
- Manufacturing
- Mining/quarrying
- Recycling
- Waste haulers

Nonprofit - 39%
- Community projects
- Donation center/food bank
- Education & research
- Environmental advocacy
Why are we here?

Successful regional efforts can be replicated or benefit other areas throughout the State.

Legislative proposals resulting in no meaningful change.
What can we achieve together?

- Build a professional, statewide network
- Explore potential policy changes
- Emerge as Nevada's leaders in sustainability
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Nevada's Waste Disposal

2010 - 5.7 lbs/person/day
2020 - 6.0 lbs/person/day
3,398,773 total tons disposed
EPA 2018 - 4.9 lbs/person/day
Nevada's Recycling Rate

25% recycling rate goal set in 1991
Calculated from EPA designated materials & sources
Paper, metals, glass, organics, special waste, plastic, textiles
Nevada's Recycling Rate 2010-2020

2011 - 2013: recycling rate goal met
  Low disposal tonnages
  Increased recycling tonnages

2020: 22.5%
  Re-TRAC Connect
Data Collection

Web-based material management software

Utilized Re-TRAC Connect to collect the 2020 recycling data

Improves reliability and transparency of data

Can be customized and expanded to collect, manage, and analyze data for this stakeholder group
Recycling is one part of sustainability, yet most of our data collection revolves around recycling.

The recycling rate calculation depends heavily on waste generation.

\[
\text{Recycling Rate} = \frac{\text{Recycled}}{\text{Total Waste}}
\]
### Recycling Rate Limitations

<table>
<thead>
<tr>
<th>Year</th>
<th>Recycling Tonnage</th>
<th>Daily Waste Disposal</th>
<th>Recycling Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>1,009,057 lbs</td>
<td>5.0 lbs</td>
<td>28.8%</td>
</tr>
<tr>
<td>2020</td>
<td>988,132 lbs</td>
<td>6.0 lbs</td>
<td>22.5%</td>
</tr>
</tbody>
</table>

What is the question we are trying to answer with the recycling rate?
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Stakeholder Group Examples
Structure of this group
NDEP's Role

Provide the **foundational support** for this stakeholder group

Facilitate **collaboration and communication** between stakeholders

Bring together entities who are **looking for** assistance and entities who can **provide** assistance
Stakeholder's Role

Participate in working groups that best fit organization/personal interests

Be liaisons and leaders to local communities; championing for change

Adopt and implement sustainable practices in organizations and communities

Go beyond "just talking"
Working Group's Role

Create **measurable** goals to focus working group efforts

Identify **challenges and opportunities** to adopting sustainability programs

Identify cost-effective and creative ways to **fund** sustainability solutions

Contribute to the menu of options
Menu of Options

Each working group will hold working sessions pertaining to their focus topic and discuss the current state and measures that can be implemented to increase sustainability across the State.

Not an endorsement of specific policies or actions – rather a comprehensive list of all options that can be considered to enhance sustainability across Nevada.
Project Outcomes

Stakeholders indicated they want to see systematic and meaningful change.

Menu of options will thoroughly identify solutions and actions the group can implement on different levels.

Multiple actionable outcomes will emerge based on the identified solutions and vision of the working group.

Data collection support from NDEP.
Questions?

ndep.nv.gov
Mission Statement

Fill in the blank:

Our mission is to do **what** for **who** by **how**

Please vote for your top three choices for each fill in the blank category. We will wordsmith different options and present them later in the presentation.

1. https://www.surveymonkey.com/r/2LHRDTT

2. QR Code
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Survey Discussion

**Municipality Survey**

- Services that are currently offered or are requested
- Services/programs that the municipality wants to explore
- Barriers that stand in the way of participation
- Pressing challenges and opportunities

**Nongovernmental Organization (NGO) and Industry Survey**

- What a sustainable Nevada looks like
- How the organization can help reach that vision
- Services/programs currently offered
- Pressing challenges and opportunities
Municipality-Identified Challenges & Opportunities

- Reducing contamination in single-stream recycling
- Lack of multi-family residential recycling opportunities
- Provide enough service to meet demand without compromising quality of program
- Marketability of [sustainability] programs to the public, elected board members, and managers who set the budget
- Increasing or maintaining the life expectancy of the landfill
- Poor community understanding of recycling and waste stream
Municipality Survey

Difficult-to-Manage Materials

What expensive material would your municipality consider managing with an extended producer responsibility (EPR) program?
Municipality Survey

What do your residents care about?

When considering new programs or services to reduce waste, what are they most and least concerned about?

Most concerned with:
- Convenience
- Affordability
- Reliable service

Least concerned with:
- Extending the lifespan of landfills
- Reducing costs of solid waste facilities
Municipality Survey

Successful sustainability programs

What waste reduction programs or services is your municipality offering that you have found to be a success?

- Household hazardous waste and e-waste programs
- Yard waste curbside collection
- Single-stream recycling increasing overall recycling rates
- Seasonal green waste program
- Water bottle refill stations
- Residential recycling that is automatically included with their service level
NGO/Industry-Identified Opportunities

- Build closed-loop economies
- Inspire a community pride in sustainability
- Creating composting initiatives to keep as much "compostable" materials out of the landfill
- Setting specific targets for waste reduction, packaging reduction, and plastic reduction
- Policies and public education
- Repurposing things ordinarily discarded and not producing/using things that can only end up in a landfill
Converting used cooking oil into biodiesel

Teaching students about waste reduction, recycling, composting, energy, personal responsibility, and stewardship projects

Leading major volunteer programs to clean/beautify our communities and eliminate waste from them

Providing e-waste recycling for entire State

Implementing waste minimization procedures to reduce hazardous waste generation

Conducting employee commute surveys and using results to encourage various modes of transportation

What sustainability programs/practices has your organization seen success with?
Finding Common Ground

What types of programs or services are you most interested in exploring further through this initiative?

- Education & Outreach
- Organics Management
- Policy Changes
- Program Funding
- Recycling
- Source Reduction
- Sustainability

Municipalities

NGOs/Industry
Working Group Structure

Chair

Co-chair

Members

Working Groups

Recycling

Education and Outreach

Sustainability

Program Funding

Organics Management

Policy Change

Source Reduction

35
Statewide recycling education campaign
Educating different communities
School aged children, businesses, multi-language campaigns

Organics reduction/collection/diversion mechanisms
Donation & reduction
Food scrap collection
Composting/animal donation
Development and siting of infrastructure
Anaerobic Digestion
Composting facilities
Municipal onsite composting operations
Recycling

- Measures to improve the quantity and quality of material collected
- Specific source-separated programs
- Encourage/incentivize manufacturers that use recycled content in their product manufacturing
- Creating recycled content standards
- Multi-family recycling opportunities

Reduce/donation programs
- Packaging design requirements
- Source reduction credits
- Pollution Prevention programs
- Zero Waste initiatives
- Circular economy ideas

Source Reduction
Funding

- Fees to fund programs
- Grant research
- Partnership funding opportunities

Policy Change

Enhancement of existing policies and regulations

Explore legislation for new EPR programs covering hard-to-manage materials, packaging, single use plastics, and other materials
Sustainability

Climate change
Transportation
Water conservation
Energy
Other sustainability topics
Final Mission Statement

Here are the mission statements from your exercise earlier in the presentation. Please rank the mission statement in order in which you believe best suits this stakeholder group.

1. https://www.surveymonkey.com/r/FZ52XMS

2. QR Code
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Next Steps

- **August**
  - Working Group Interest Survey
    - Due August 25
  - Chair & Co-Chair Meeting
- **September**
  - First Working Group Meetings
- **October - March**
  - Menu of Options Due
Next Steps

Add the following email addresses to your contacts to prevent email updates from going into spam folder:

- breanna@ndep-103.ccsend.com
- SustainableNV@NevadaDEP.com
Questions?
SustainableNV@NevadaDEP.com

ndep.nv.gov