



NEVADA DIVISION OF
**ENVIRONMENTAL
PROTECTION**

Partners for a Sustainable Nevada

August 18, 2021

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Kick-Off Meeting

ndep.nv.gov

General Housekeeping Items

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

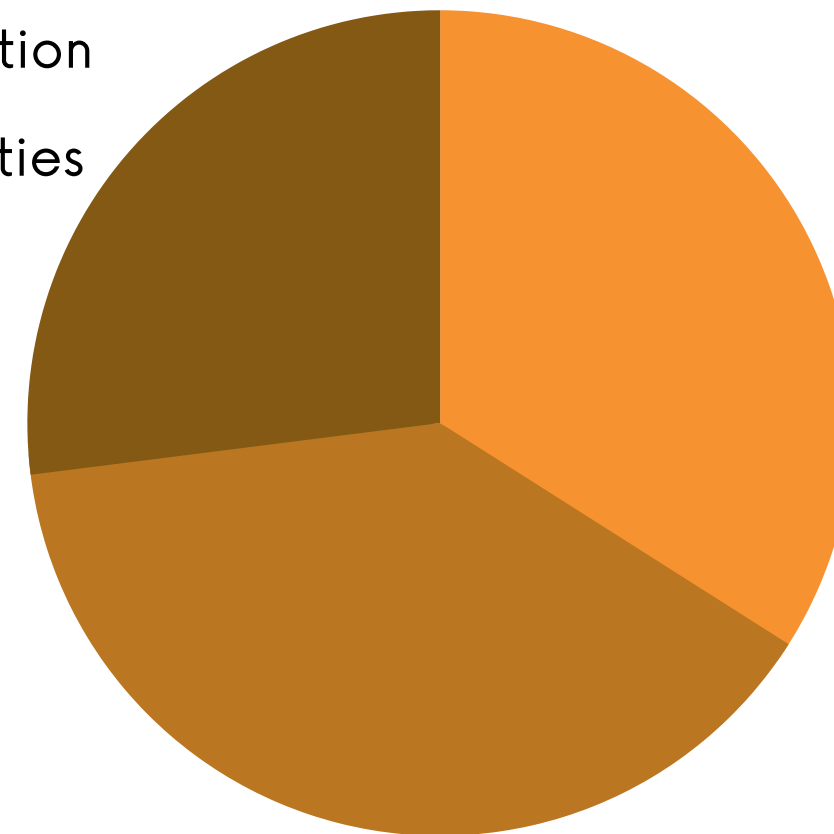


Government - 27%

- 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

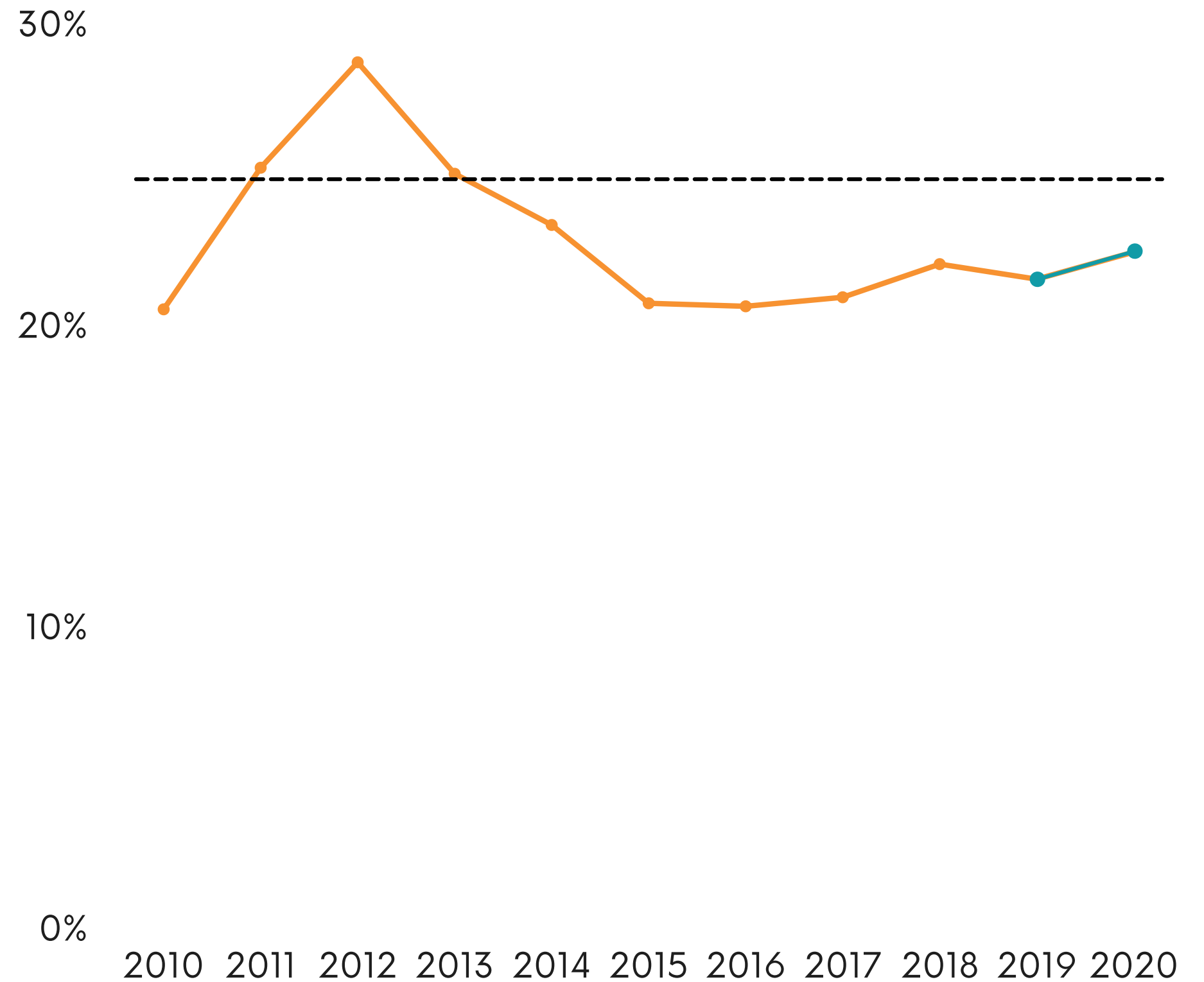
Paper, metals, glass, organics, special
waste, plastic, textiles



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 Rate Limitations

Recycling is one part of sustainability, yet most of our data collection revolves around recycling

The recycling rate calculation depends heavily on waste generation

$$\text{Recycling Rate} = \frac{\text{Recycling Bin}}{\text{Recycling Bin} + \text{Waste Bag}}$$


Recycling Rate Limitations

2012

Recycling Tonnage	1,009,057
Daily Waste Disposal	5.0 lbs
Recycling Rate	28.8%

2020

Recycling Tonnage	988,132
Daily Waste Disposal	6.0 lbs
Recycling Rate	22.5%

What is the question we are trying to answer with the recycling rate?

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Stakeholder Group Examples



CCSMM

**CT Coalition for Sustainable
Materials Management**



NERC

NORTHEAST RECYCLING COUNCIL

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





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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

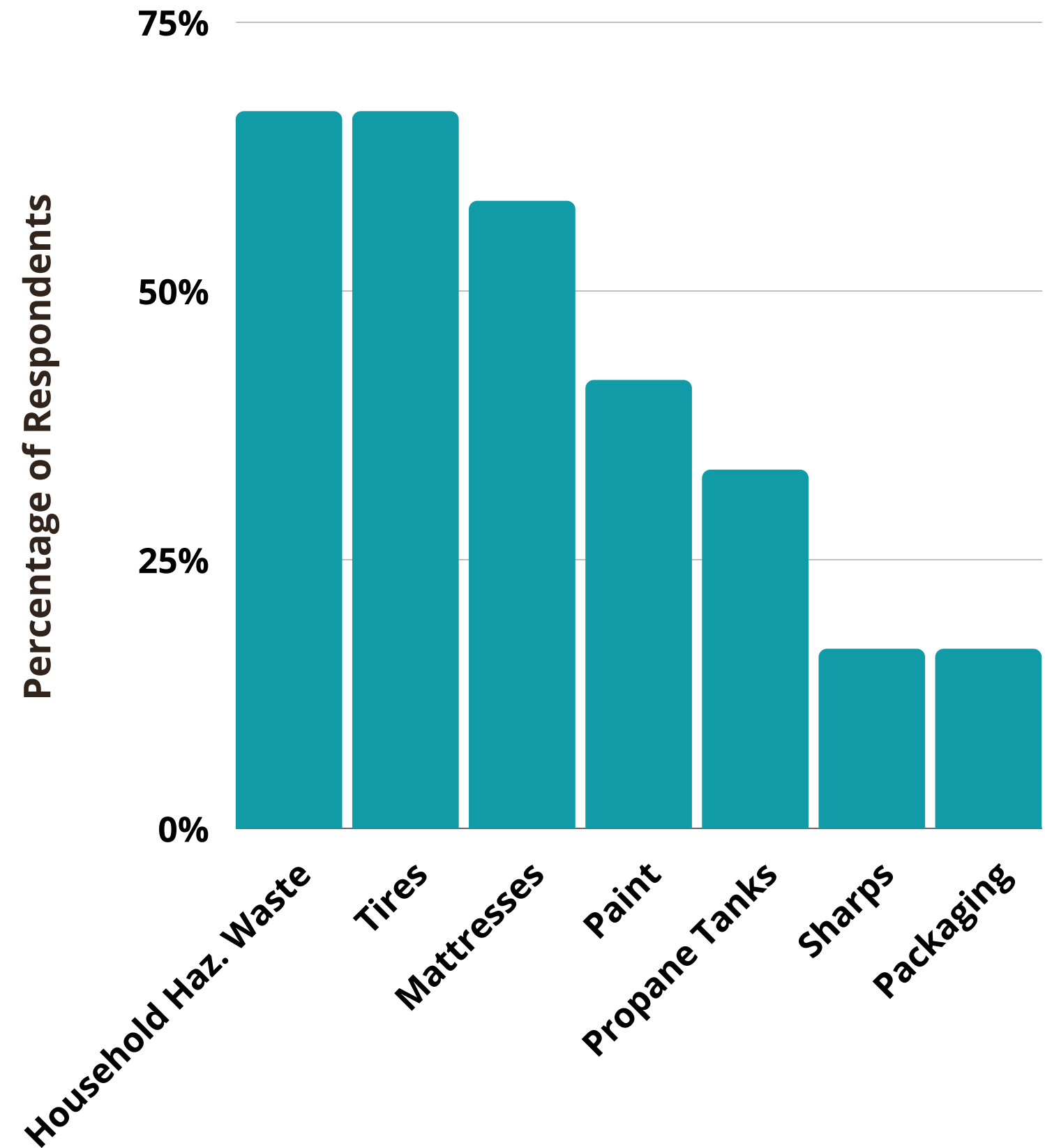
“

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, plastic
reduction

“
Policies and
public education

“
Repurposing things
ordinarily discarded and
not producing/using
things that can only end
up in a landfill

NGO/Industry Survey

Successful sustainability programs

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

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

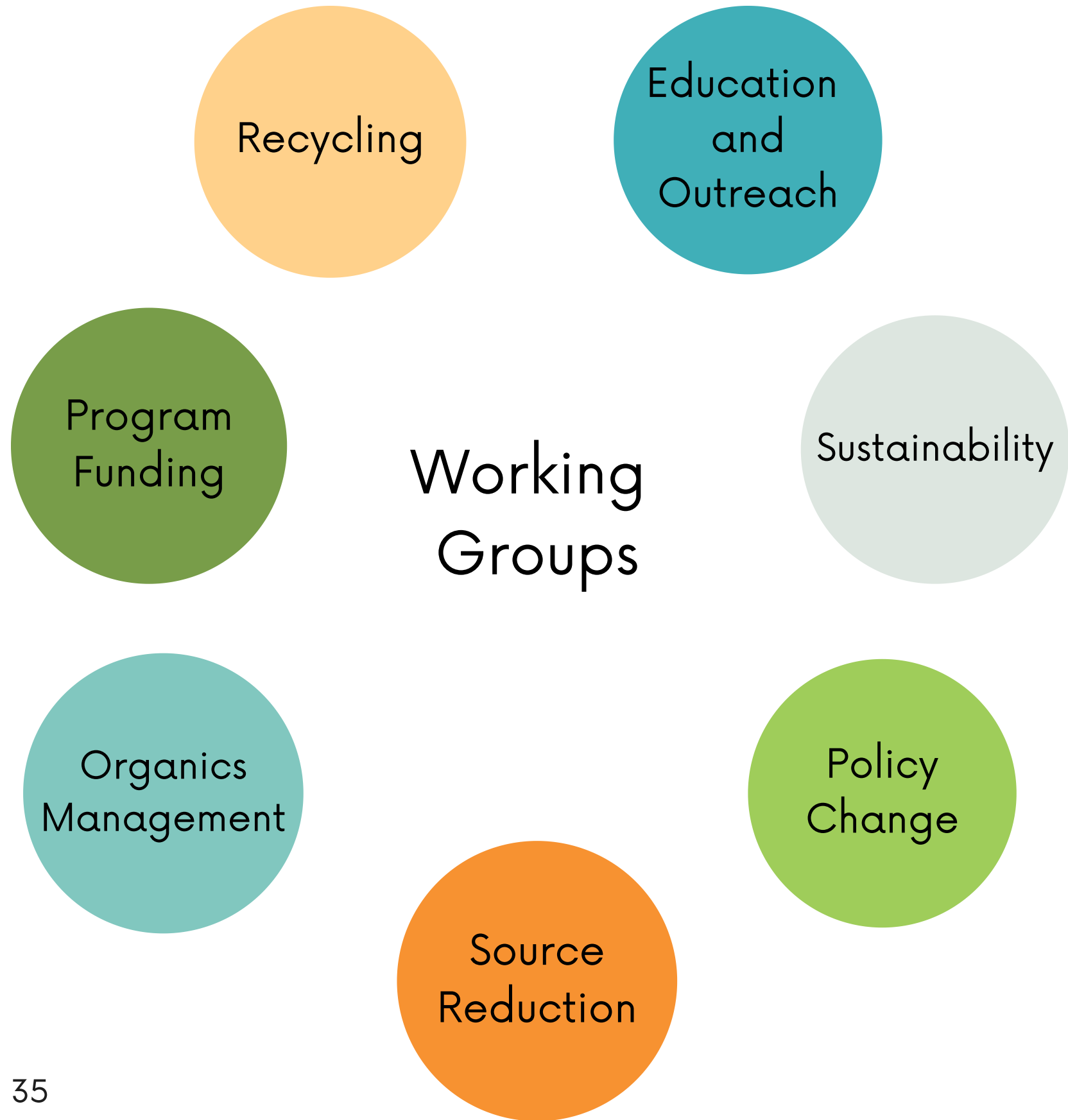
Implementing waste minimization procedures to reduce hazardous waste generation

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

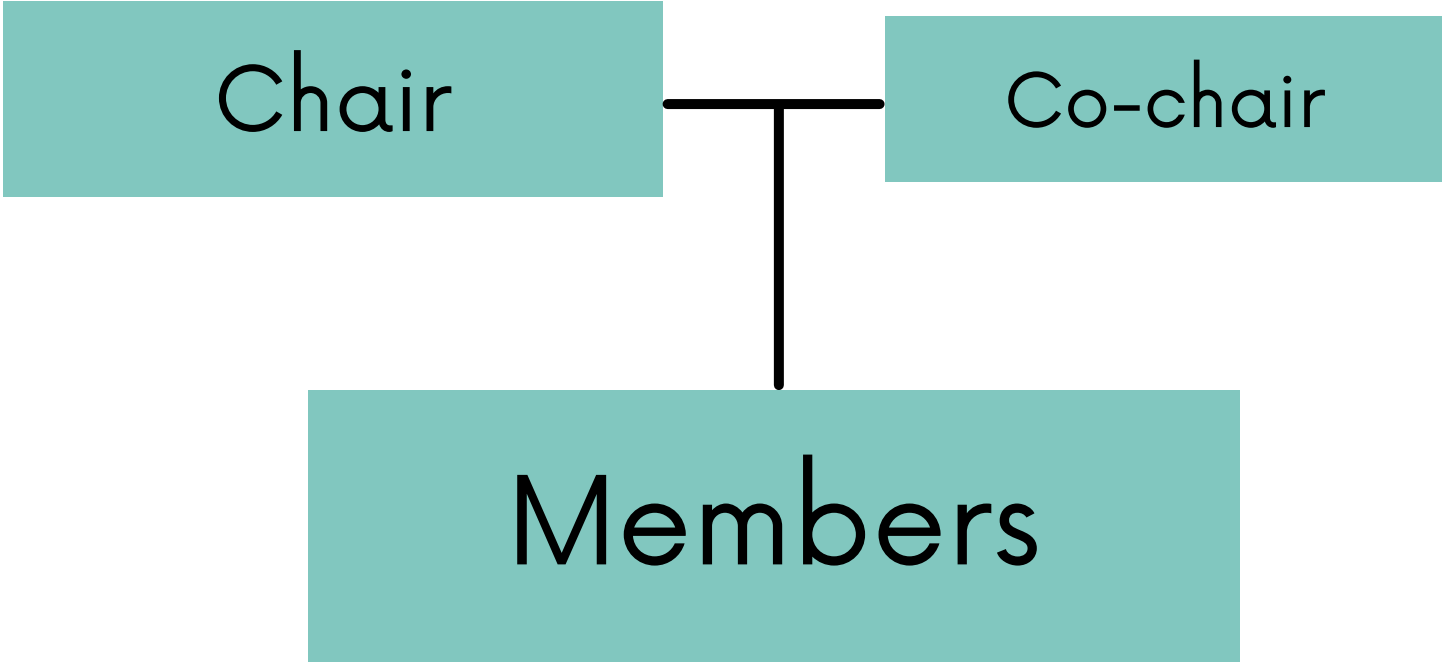
Finding Common Ground

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





Working Group Structure



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

Education and Outreach

Organics Management

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

Enhancement of existing policies and regulations
Explore legislation for new EPR programs covering hard-to-manage materials, packaging, single use plastics, and other materials

Policy
Change

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

Working Group Interest
Survey
Due August 25

Chair & Co-Chair
Meeting

First Working Group
Meetings

Menu of Options Due

August

September

October - March

Next Steps

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

- breanna@endep-103.ccsend.com
- SustainableNV@NevadaDEP.com





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Questions?

SustainableNV@NevadaDEP.com

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