



WORKSHOP LV / ENVIRONMENT / TRANSPORTATION



Priority Climate Action Plan

Transportation Decarbonization



Meeting Agenda

- **Welcome and Introductions**
- **Overview of Climate Initiatives, EPA Climate Pollution Reduction Grant Program and the Priority Climate Action Plan**
- **Transportation Decarbonization – Why Transportation?**
 - 2019 Transportation Greenhouse Gas Inventory vs. 2021 Transportation Greenhouse Gas Inventory
 - Transportation Sector Greenhouse Gas Inventory
 - Justice40
 - Health in All Policy
 - Vision Zero Policy
- **PennDOT Carbon Reduction Strategy**
- **Transportation Policy Progression**
 - Previous LVPC/LVTS Transportation Plans/Policies
- **Poll Everywhere Results from Previous Workshop**
 - Results from Word Cloud Question
 - Results from Multiple Choice Question
- **Policy/Goal Interactive Activity and Discussion**
- **Next Steps**



Ground Rules

1. **All people are welcome here:** We continue to build a bigger table to bring more people into this work.
2. **This is a safe space:** We are all coming into this workshop with different backgrounds and knowledge bases. All questions are good questions, as long as they are based in respect.
3. **Questions are encouraged:** There will be opportunities for questions and comments throughout the presentation portion of the agenda.
4. **Participation is key:** There will be opportunities for verbal and non-verbal participation – both are important. Please be conscientious of your participation in both sections.

Introductions – Welcome!

Let us know who you are and who you represent



Climate Initiatives



Inflation Reduction Act

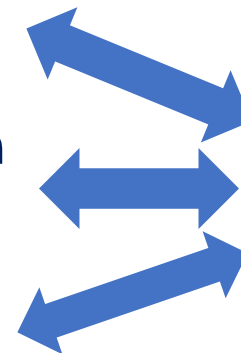
Infrastructure Investment & Jobs Act



DEP Local Climate Action Program

EPA CPRG Priority Climate Action Plan on Industrial Decarbonization

EPA CPRG Regional Climate Action Plan



USDOT Carbon Reduction Plan and Program

Climate Pollution Reduction Grants (CPRG)

Inflation Reduction Act authorized the United States Environmental Protection Agency (EPA) to provide funding for CPRG program



CPRG provides funding for larger metro areas to create climate action plans



72 largest metro areas each received \$1 million in planning grant funds

This grant will allow for the LVPC to create a plan to apply for the larger, more competitive funding round for projects.

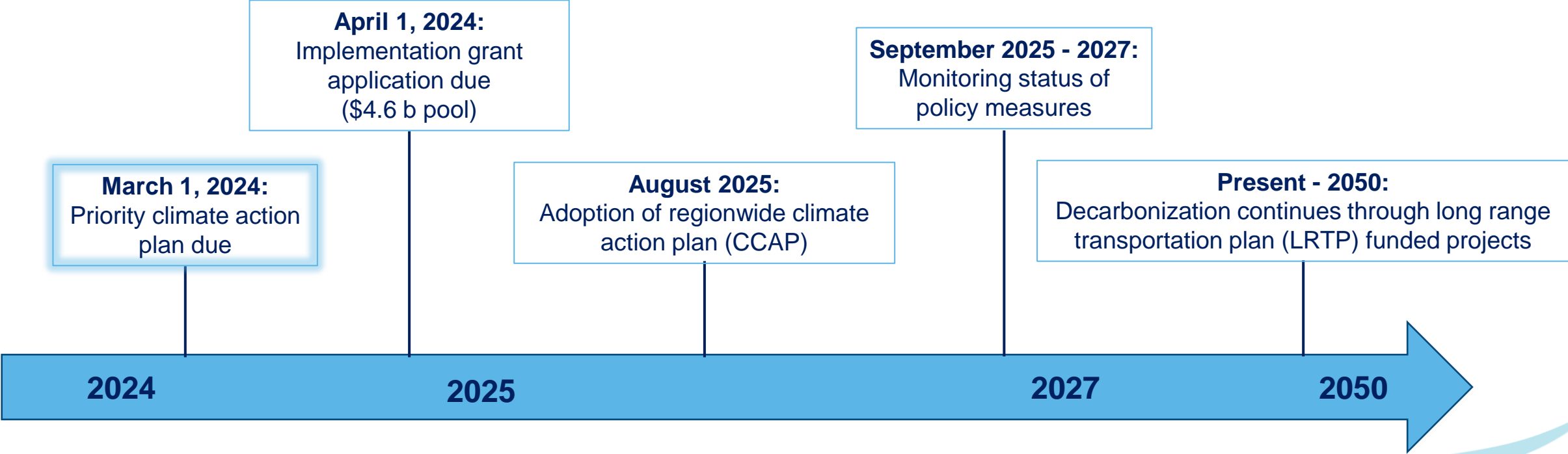


Climate Pollution Reduction Grant (CPRG) Breakdown

The Climate Pollution Reduction Grant has three main components:



Climate Pollution Reduction Grant (CPRG) Timeline



Why Transportation?

26%

Percentage of contribution from the transportation sector to greenhouse gas

10.9

million
Daily vehicle miles traveled on roads in Lehigh Valley

9%

Percent increase in daily traffic on I-78 as of May 2022

6%

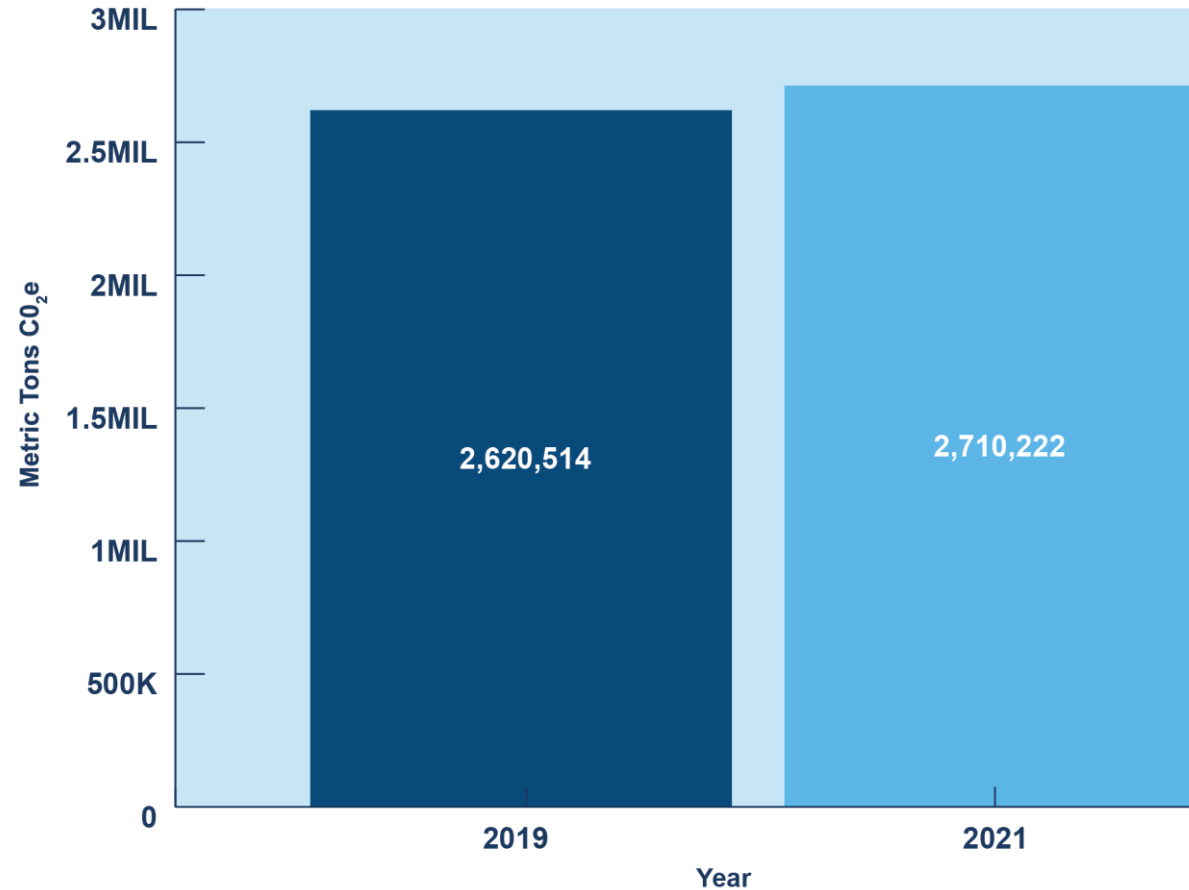
Percent increase in daily traffic on Rt. 22 as of May 2022

99,243

Projected population increase by 2050

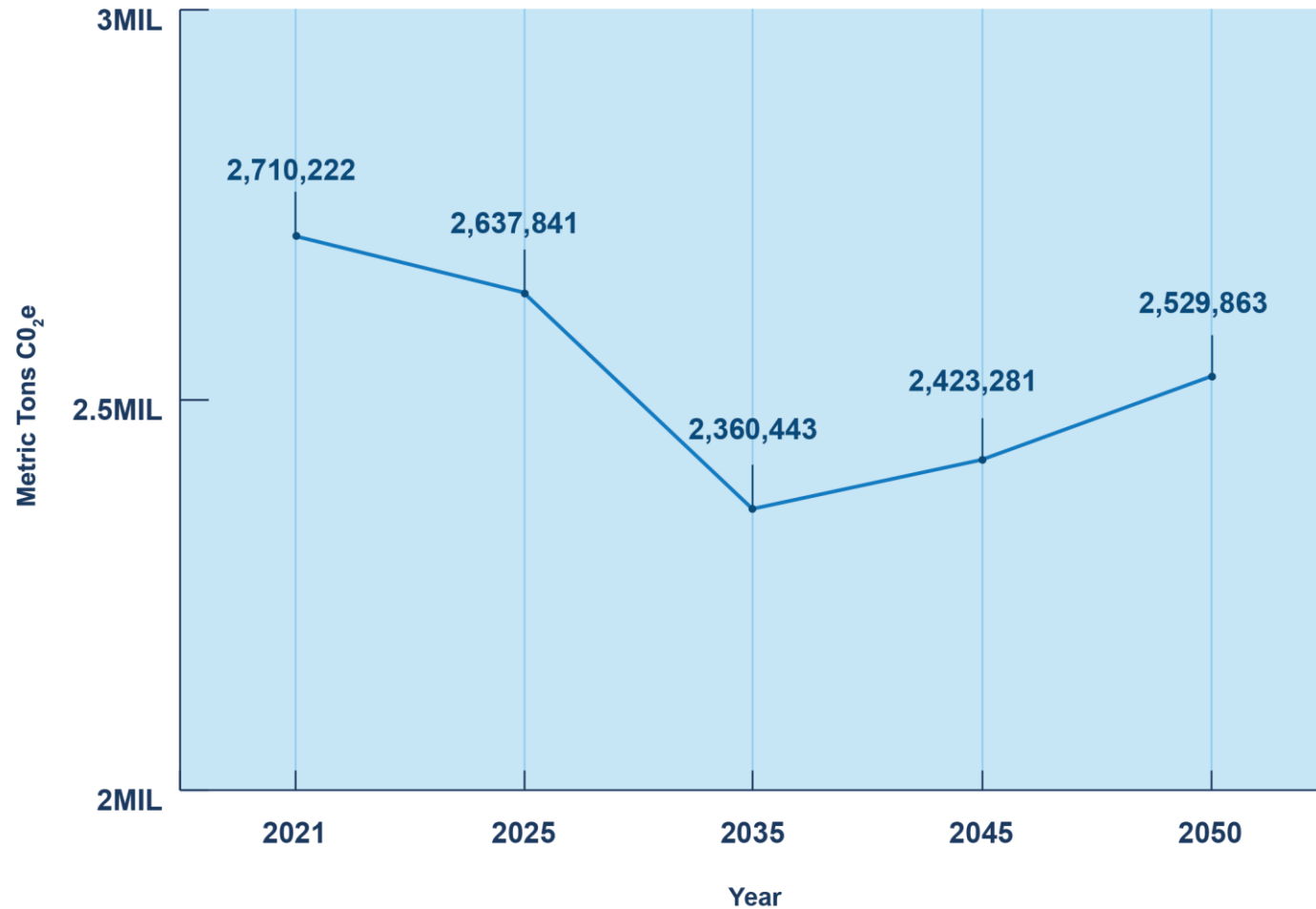
Transportation Greenhouse Gas Inventory

Transportation Sector Total Greenhouse Gas Emissions



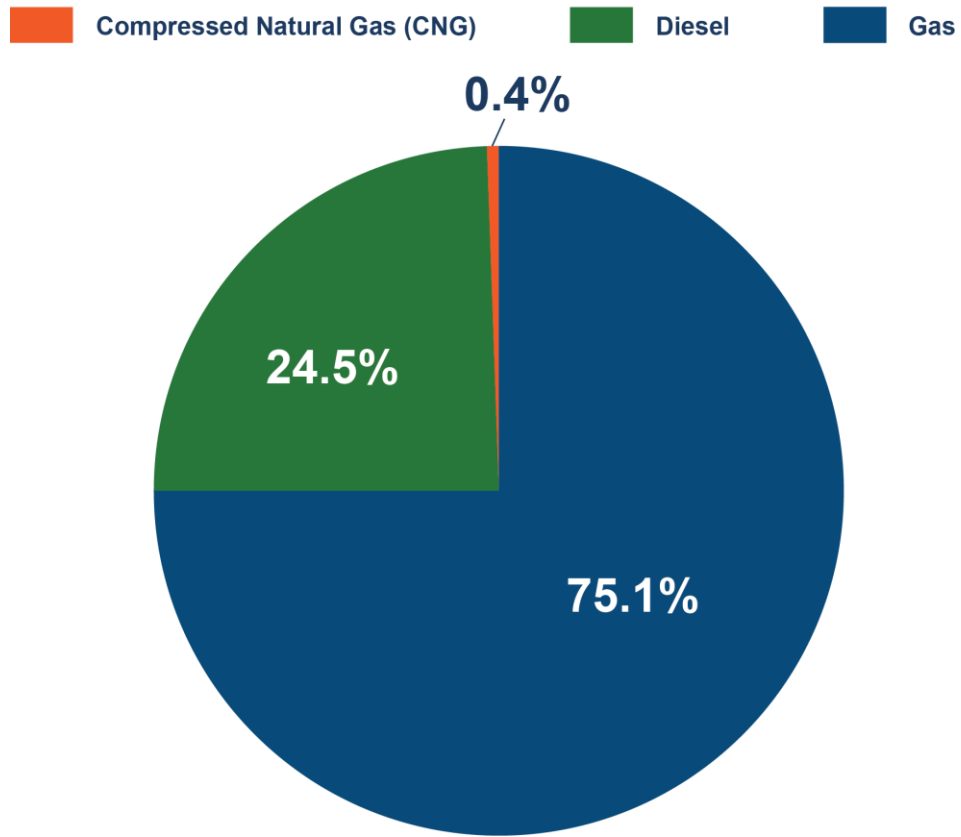
Transportation Greenhouse Gas Inventory

Transportation Sector Total Greenhouse Gas Emissions 2021 - 2050

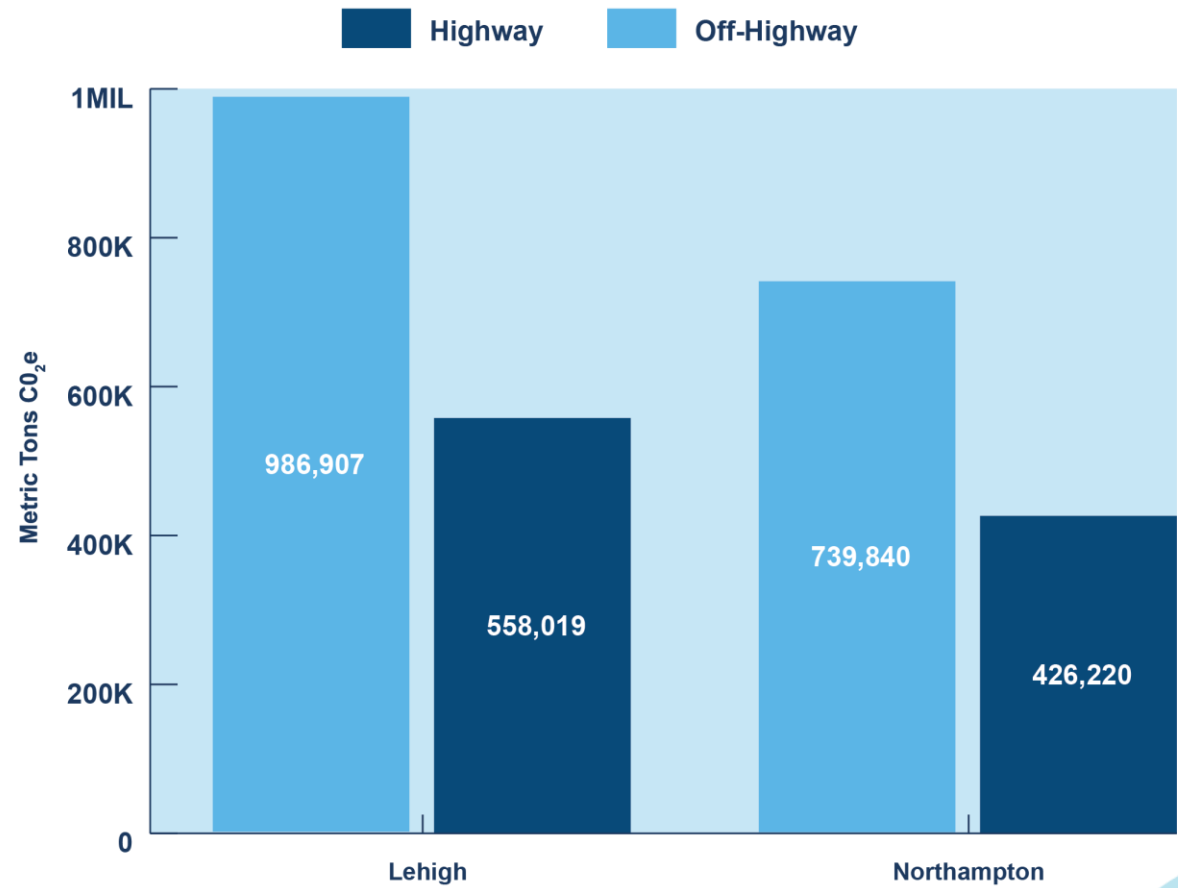


Transportation Greenhouse Gas Inventory

Greenhouse Gas Emissions by Fuel Type



Vehicle Emissions in Lehigh and Northampton Counties



Questions?



Justice40

The 7 Federal Investments Covered by Justice40 are:

- Climate Change
- Clean Energy & Energy Efficiency
- Clean Transit
- Affordable & Sustainable Housing
- Remediation & Reduction of Legacy Pollution
- Clean water and Wastewater Infrastructure
- Training & Workforce Development

Justice40 sets a goal of 40% of the benefits from certain federal investments go to disadvantaged communities.

Health in All Policies

- Integrates and articulates health considerations and concerns into policymaking across all sectors to improve the health and well-being of residents within a community.
- WalkWorks Program
- Social determinants of health such as: the environment conditions of where people were born, live currently, work, play, learn, and age have the greatest influence on health outcomes across populations



Vision Zero Policy

Safe Systems = Safe Mobility



Vision Zero can:

- *Decrease* number of vehicles on roads
- *Increase* safety on roads for all users
- *Increase* demand for multimodal transportation
- *Decrease* overall transportation emissions

Courtesy: Vision Zero Network

Carbon Reduction Strategy (CRS)

- Emphasis areas of PennDOT plan:
 - EV infrastructure, congestion reduction, and multimodal transportation projects
- Key role of CRS is to “Coordinate with local agencies and climate action plans (CAPs)”
- Lehigh Valley is receiving ~\$10.5 million in funding
- We are not required to create CRS
 - Opportunity to integrate with PCAP

CRS Goal: Provide funds for projects designed to reduce carbon emissions from on-road highway sources

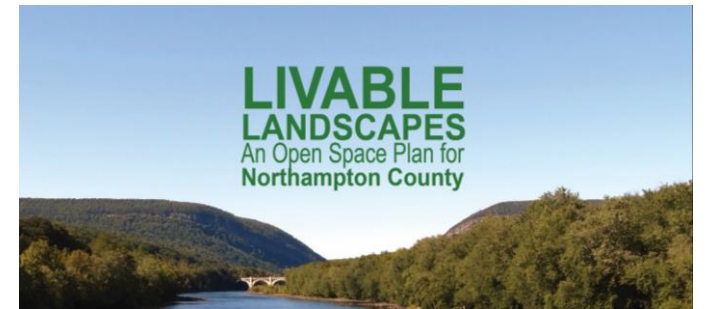
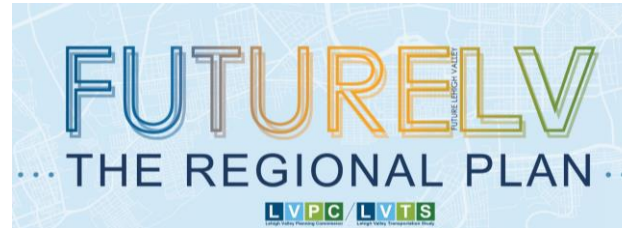
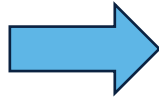
Policy Progression



Climate + Energy Goals

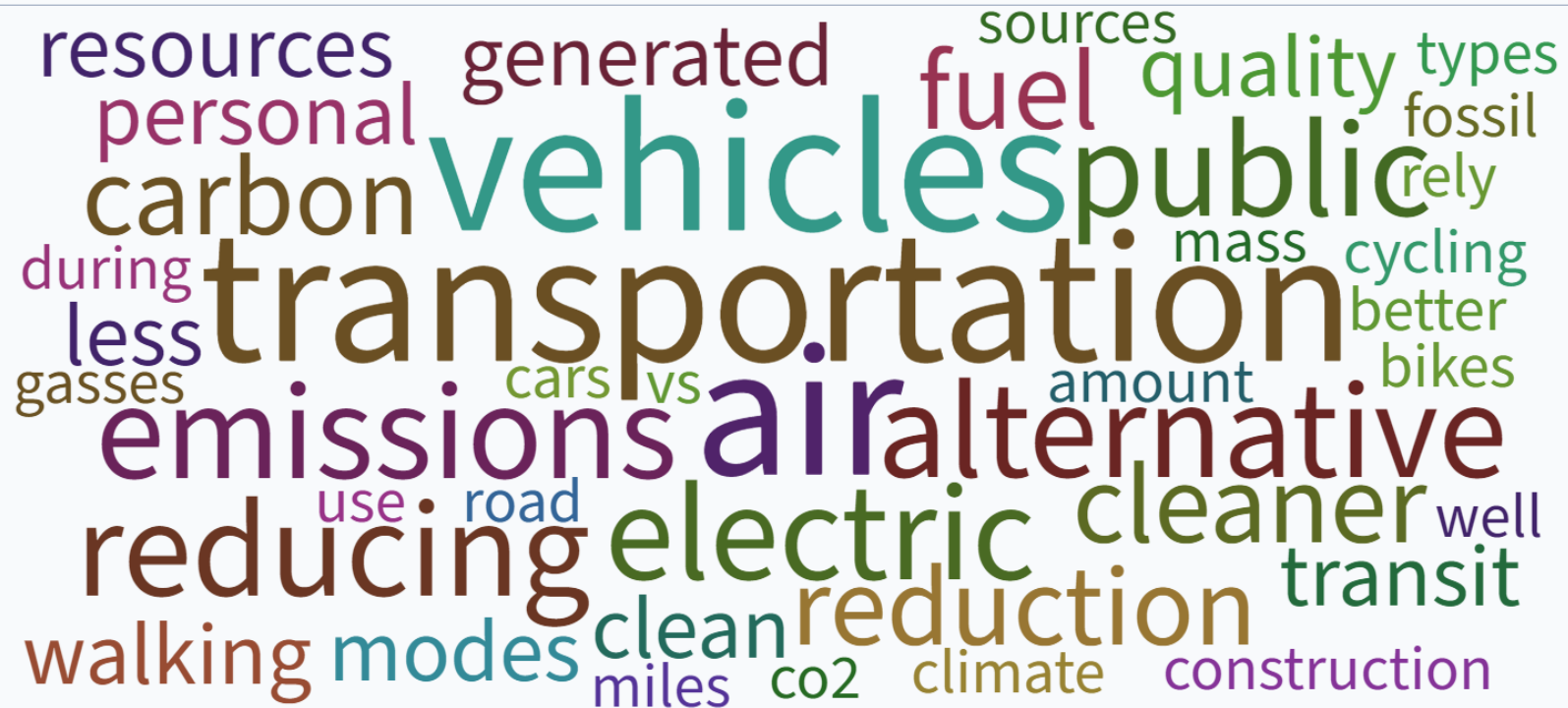
- Protect, conserve and enhance natural ecosystems
- Create a land use pattern that helps to mitigate climate change impacts
- Reduce Lehigh Valley greenhouse gas emissions from residents, government and businesses
- Encourage alternatives to automobile use, both motorized and non-motorized

Policy Progression



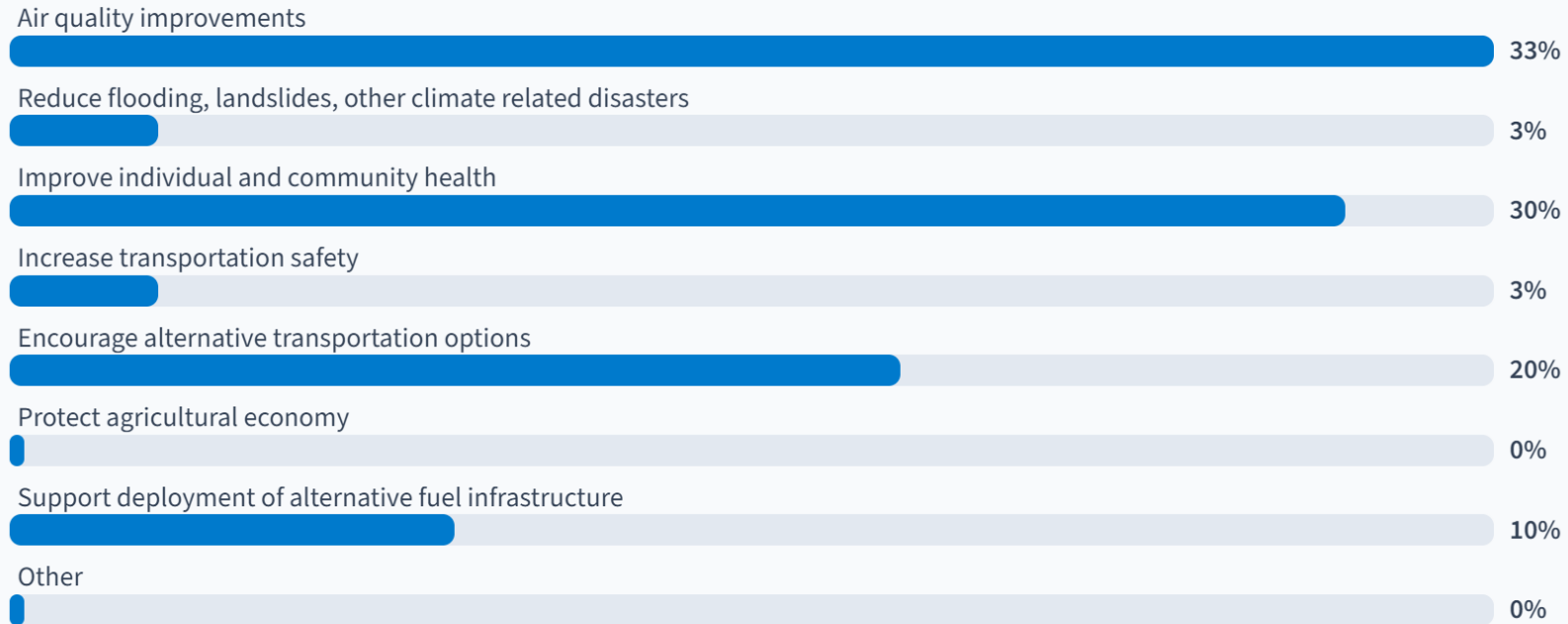
Poll Everywhere Results

What comes to mind when you think of transportation decarbonization?



Poll Everywhere Results

What do you see as the most important outcome of our priority climate action plan?



Questions?



Instructions for Activity

With the sticky notes in front of you:

- Place 2 **BLUE** sticky notes with the goals/policies that resonate with you and/or your community that you feel are **important now**
- Place 2 **GREEN** sticky notes with the goals/policies that resonate with you and/or your community that you feel are **important for the future**



Discussion

- What surprised you about the results of the goals/policies chosen for importance now vs. the future? Why?
- Are there climate friendly transportation initiatives in your community that you would like to see continue?
- Are there other transportation-related climate initiatives you would like to see in your community in the future?



Upcoming Meetings

Next WorkshopLV Environment/Transportation Meetings:

- **November 15th at 11AM (in-person) at the LVPC office**
- **December 20th at 11AM (in-person) at the LVPC office**

