



CLIMATE POLLUTION
REDUCTION GRANT

Comprehensive Climate Action Plan Public Meeting July 2024

on.IN.gov/cprg



Introductions



Indiana Department of Environmental Management

The Indiana Department of Environmental Management's mission is to implement federal and state regulations to protect human health and the environment while allowing the environmentally sound operations of industrial, agricultural, commercial, and governmental activities vital to a prosperous economy.



ClimeCo

ClimeCo is a global sustainability company advancing the low-carbon future with market-based solutions. ClimeCo provides comprehensive, vertically integrated services to help clients maximize their environmental assets, minimize regulatory costs, and enhance their sustainability impact.



Agenda

Welcome

Priority Plan Retrospective

Comprehensive Plan Next Steps

Request for Survey Participation

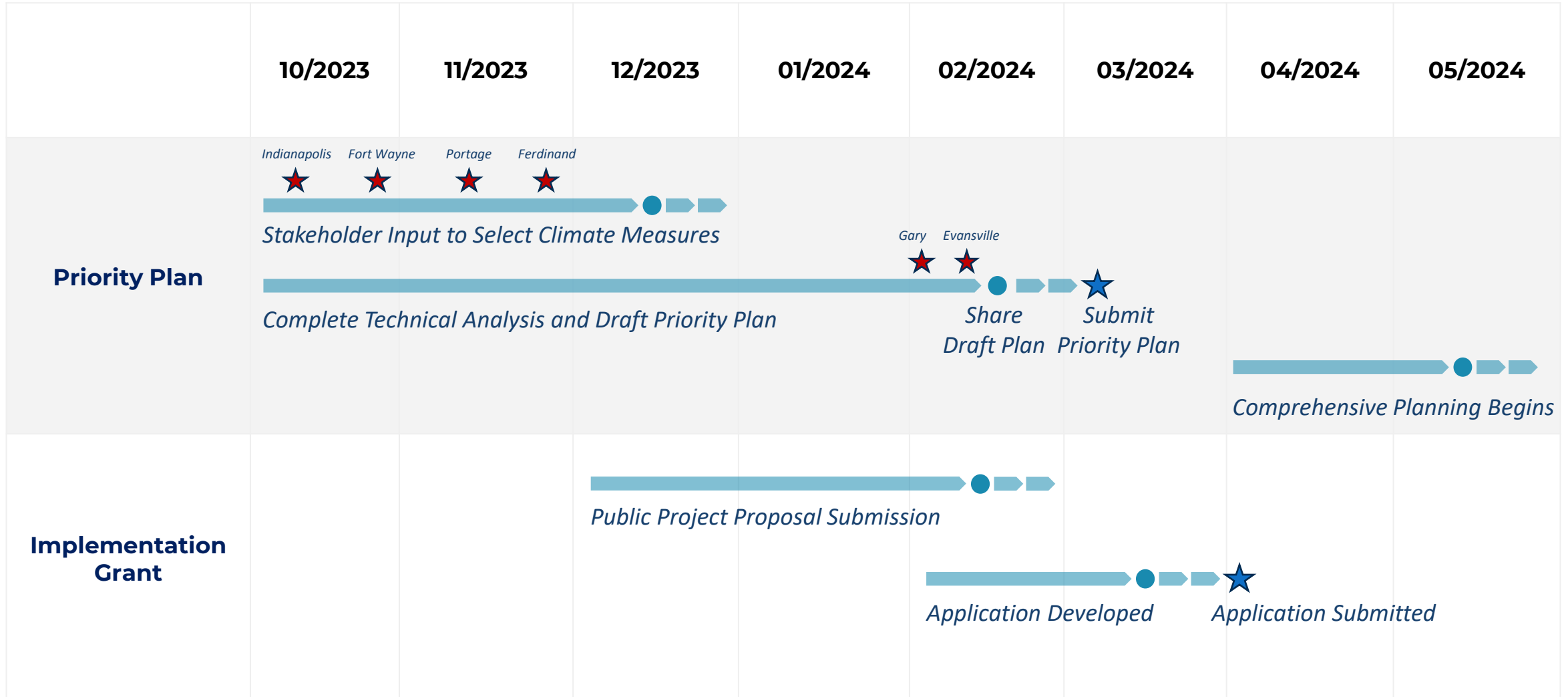
Q&A



Priority Plan Retrospective



Climate Pollution Reduction Grant Timeline



Public Meeting ★
 Deadlines ★

For more information, please visit: on.IN.gov/cprg



Stakeholder Engagement Process

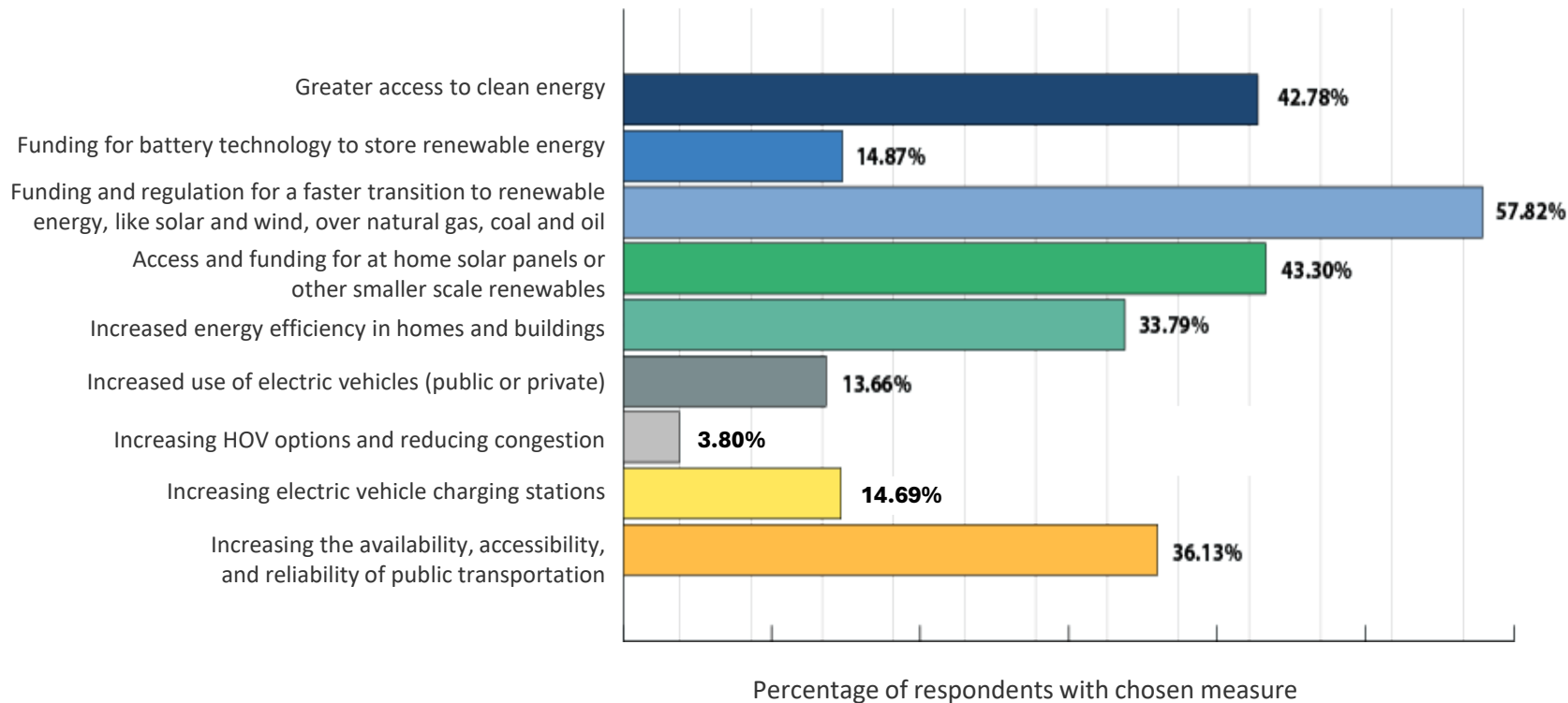
>10,000
comments reviewed

1,500 Hoosiers participated
across surveys, public meetings, and
interviews

>20% of survey respondents
come from priority communities*

58 of 66 priority communities*
represented by survey respondents

Top Five actions for Hoosiers, communities, and organizations



Indiana can be a leader in slowing the climate crisis and, in the years ahead, Indiana can access billions of dollars of federal funding to advance clean energy, green transit, sustainable agriculture, environmental justice and more.

Public Meeting Attendee

*Priority communities as defined here represent low-income and disadvantaged areas as defined by federal tools including EJScreen. Survey respondents self-identified using zip codes.

Priority Plan Measures

Utility Renewable Energy



Community and Distributed Solar



Light-duty Electric Vehicle Adoption



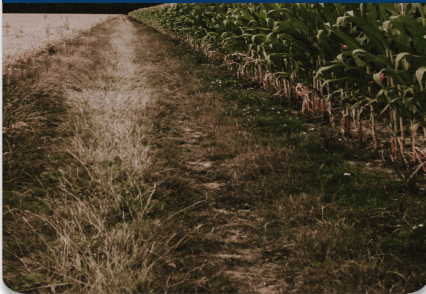
Reduce Vehicle Miles Traveled



Landfill Diversion & Composting



Increase Carbon Sequestration (Ag)



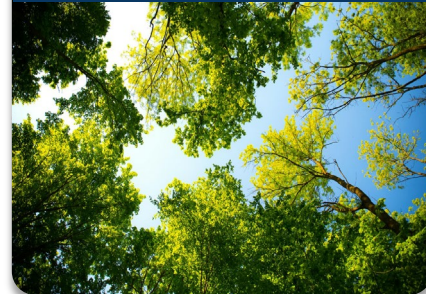
Distributed/On-site Renewables



Electrify Industrial Processes



Expand Green Spaces



Increase Renewable Natural Gas

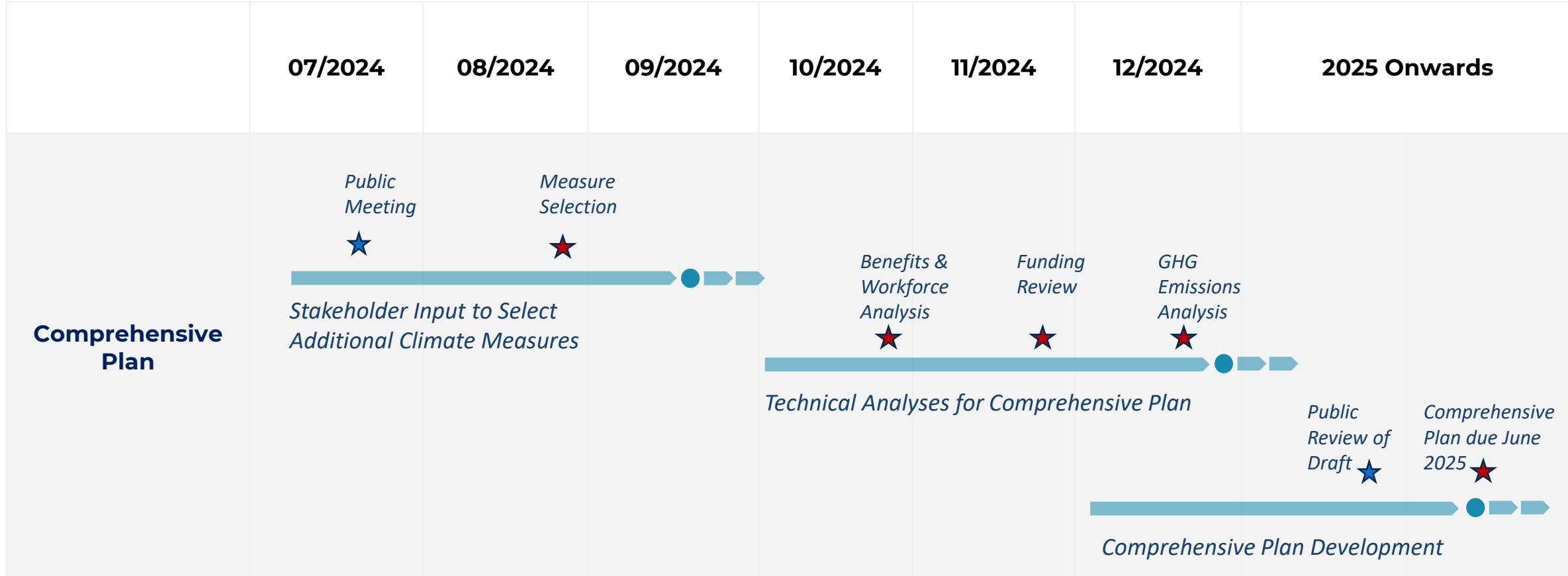




Comprehensive Plan Next Steps



Climate Pollution Reduction Grant Timeline



Public Meeting ★
 ★ Deadlines

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Community Engagement

The CPRG program aligns to Justice40, a federal initiative to direct benefits of federal programs to high-priority communities. Ongoing input from Indiana’s communities is encouraged and welcomed.


Community Benefits Analysis Research Areas

- Avoided Lost Workdays
- Avoided Hospital Admissions
- Avoided Respiratory Symptoms
- Lower Energy Costs



\$157,000,000

Urban trees’ contribution to annual residential electricity and health savings ^{1.}



61%

Respondents from priority communities identified “Funding for a Faster Transition to Renewable Energy” as a priority ^{3.}

\$112.8 billion

in benefits to air quality estimated based on transition to solar and wind between 2007 and 2015. ^{2.}



1.3 million

Tons of carbon dioxide removed by urban trees in Indiana ^{1.}



cprg@idem.IN.gov

29.2%

Increase in employment demand for green jobs in Indiana over the next five years ^{4.}

Request for data: Please email any research or datasets highlighting community benefits from climate action.



New Proposed Measures

| Comprehensive Plan - Additional Measure Selection | |
|--|---|
| 1. Conservation, preservation, and restoration of natural lands for carbon sequestration | 8. Expand use of alternative fuels and fueling infrastructure in transportation and industry |
| 2. Expand use of anaerobic digesters | 9. Logistics hub decarbonization and electrification |
| 3. Maintain, develop, and expand clean energy production | 10. Support transition to building electrification |
| 4. Implement technologies that lower peak electricity demand, including battery storage and microgrids | 11. Reduce methane emissions |
| 5. Leverage industrial carbon capture and storage | 12. Mode shifting to lower-GHG transport types |
| 6. Increase industrial energy and operational efficiency | 13. Accelerate a circular economy through supporting resource/materials recovery |
| 7. Electrify medium- and heavy-duty vehicles | <i>For more detail on proposed measures, please visit on.IN.gov/cprg.</i> |

Preservation and Restoration of Natural Lands



Expand & Protect Greenspace

Enhance Ecosystem Resilience

- Preservation, conservation and restoration of lands (forest, wetlands and coasts)
- Safeguard critical habitats, improve biodiversity and sequester carbon

Vote for this measure:

<https://www.surveymonkey.com/r/INcprg2>

Increase Industrial Energy and Operational Efficiency



Optimize Energy Use and Operations

- Streamline industrial processes
- Conduct regular energy assessments
- Identify improvements to reduce energy demand

Vote for this measure:

<https://www.surveymonkey.com/r/INcprg2>

Mode Shifting to Lower-Emission Transport Types



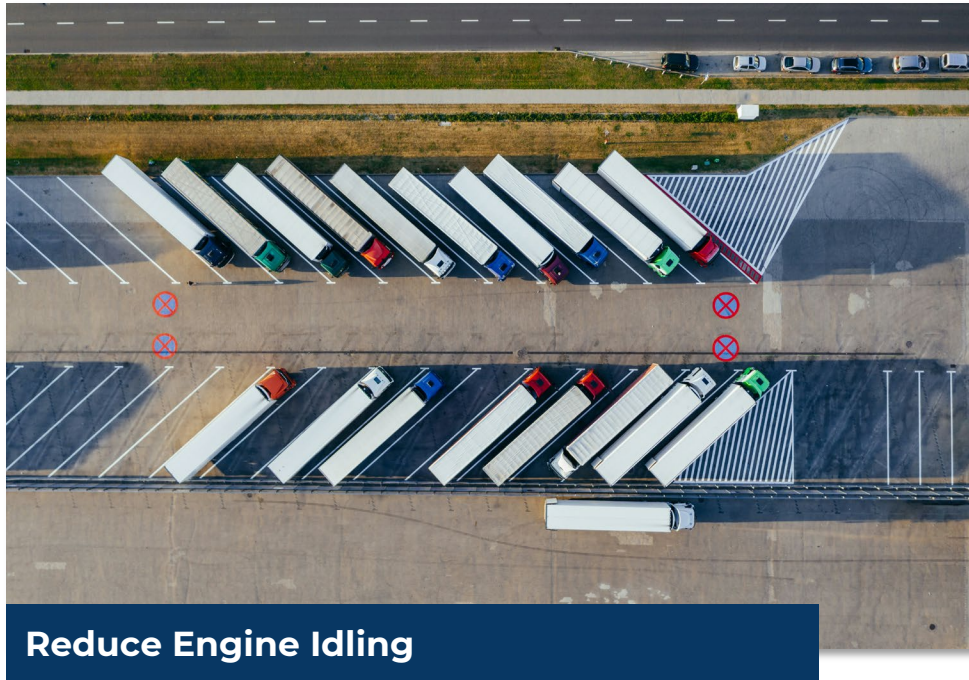
Optimize Transportation

- Shift to modes of transportation that generate fewer emissions (*e.g.*, truck to barge, air to freight)

Vote for this measure:

<https://www.surveymonkey.com/r/INcprg2>

Improvements to Logistics Hubs



Enhanced logistics

- Reduce idling at ports and terminals
- Provide electrical power as an alternative to running engines

Vote for this measure:

<https://www.surveymonkey.com/r/INcprg2>

Accelerate the Circular Economy



Reduce Waste to Landfill

Increase material recovery

- Enhance recycling efforts and education
- Increase access to recovery programs
- Support efficient material use to prevent waste generation

Vote for this measure:

<https://www.surveymonkey.com/r/INcprg2>

Ways to Engage

Find the resources to learn more about this effort, share your perspective, and stay engaged throughout the planning process:

1) Information Hub



Scan me for access

2) Contact Information

Phone: 317-233-8470

Email: cprg@idem.IN.gov

3) Climate Plan Survey



Scan me for access

Survey Deadline: August 10th

Information Hub: on.IN.gov/cprg



Next Steps

- 03/01/24 Priority Plan Submitted
- 03/31/24 Implementation Grant Application Finalized
- 04/01/24 Implementation Grant Application Submitted
- 07/17/24 Comprehensive Plan Stakeholder Survey - *Submission Deadline: August 10th*
- 07/18/24 Stakeholder Meeting
- 03/03/25 Analysis and Comprehensive Plan Drafting
- 06/01/25 Comprehensive Plan Submission**



References

1. **"Urban Greening Report."** *Indiana University Bloomington*, 2018, urbanforestry.indiana.edu/doc/iccia_urbangreenreport_2018.pdf.
2. **"The Climate and Air-quality Benefits of Wind and Solar Power in the United States."** *Millstein, D., Wiser, R., Bolinger, M., & Barbose, G.*, 2017, *Nature Energy*, 2, 17134. doi:10.1038/nenergy.2017.134
3. **"Indiana Priority Climate Action Plan."** *Indiana Department of Environmental Management*, 2024, https://www.in.gov/idem/airquality/files/cprg_20240301_final_pcap.pdf.
4. **"Green Jobs Now: Indiana."** *Working Nation*, 2022, [workingnation.com/wp-content/uploads/2022/07/Green Jobs Now Indiana.pdf](https://workingnation.com/wp-content/uploads/2022/07/Green_Jobs_Now_Indiana.pdf).



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Thank You

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