

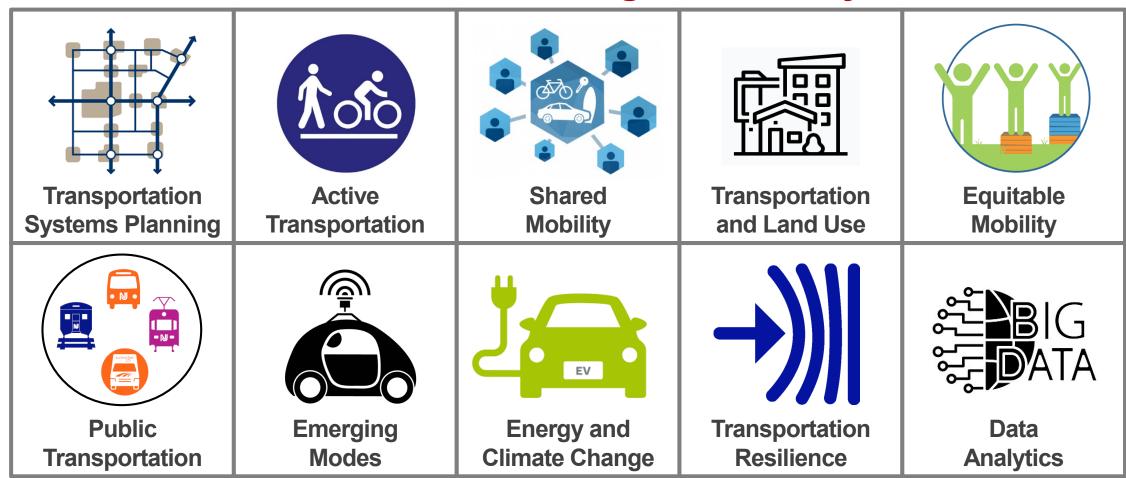
## Planning for Healthy, Just, Resilient, and CO2-Neutral Mobility in New Jersey

Presented by:

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#### Research, Planning, and Policy



#### RUTGERS

#### **New Jersey Climate Change Alliance**

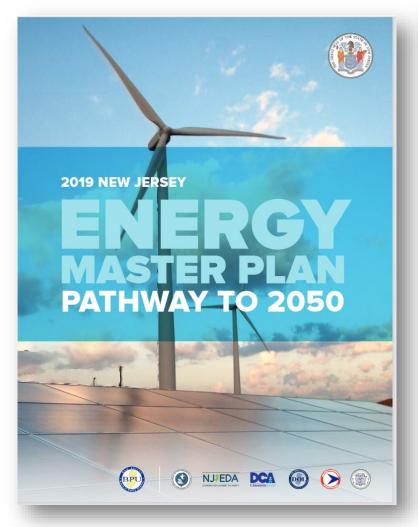
#### **Existing Work Groups**

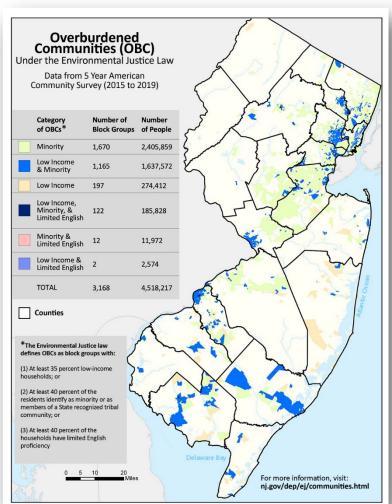
- Long-term Statewide Planning for Climate Change Workgroup
- Natural and Working Lands Workgroup
- Offshore Wind Ecological Monitoring Workgroup
- Public Health Workgroup
- Sustainable Organic Materials
   Management Workgroup

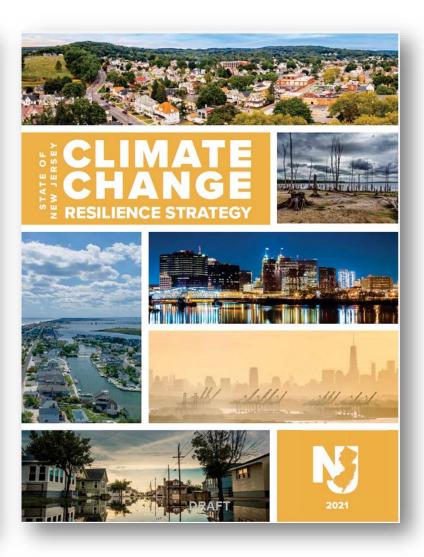
## (NEW) Transportation Workgroup



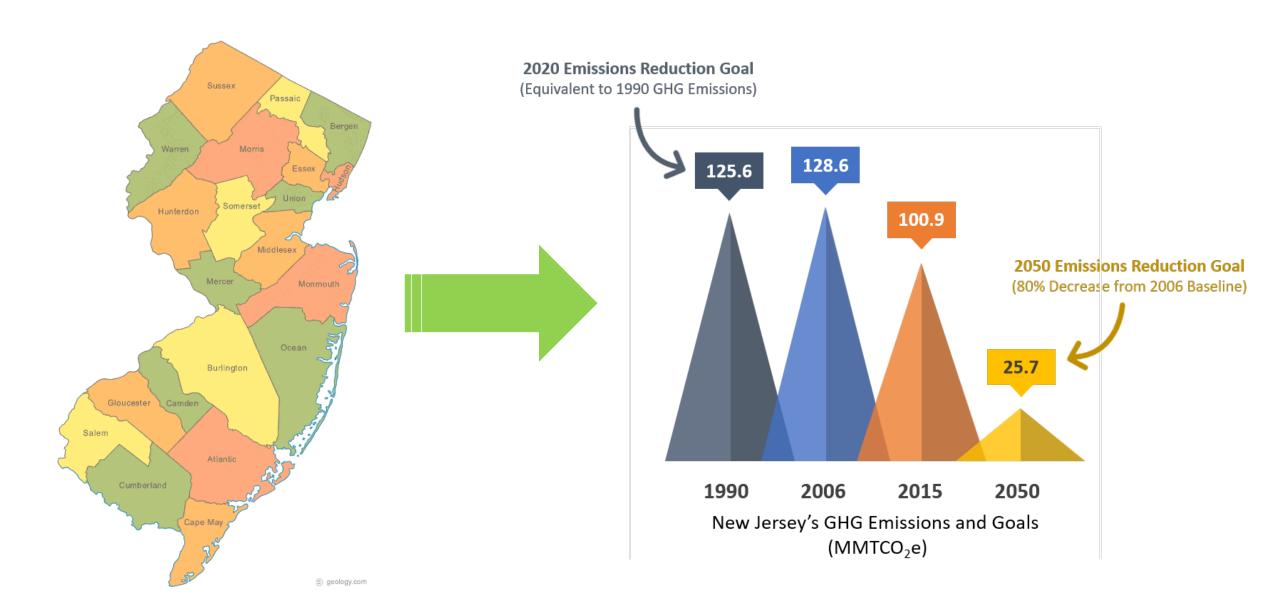
#### Changing policy dynamics at the State and national levels





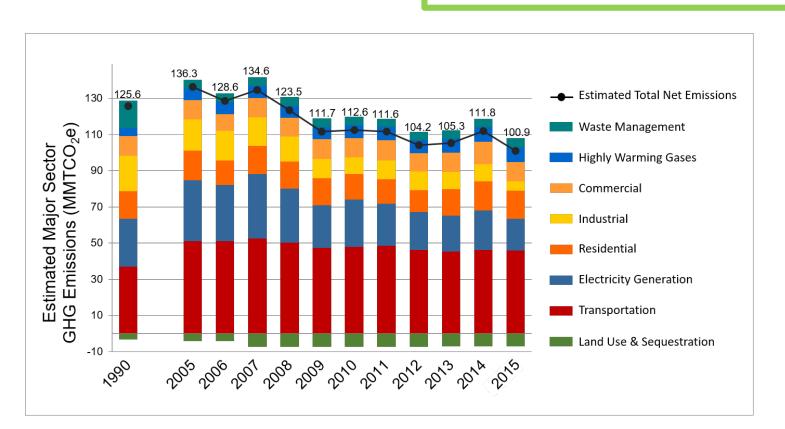


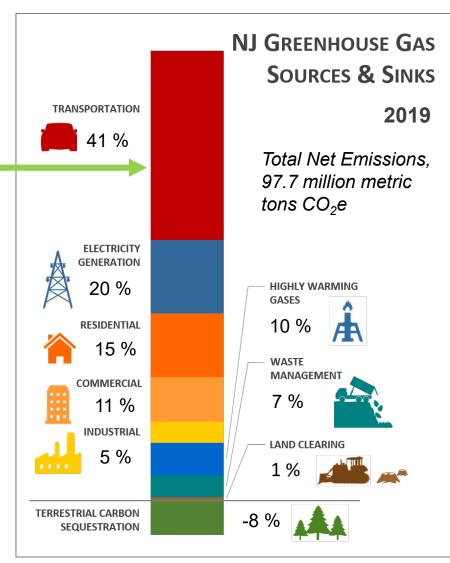
#### **New Jersey Emissions Targets**



#### **GHG Emissions in New Jersey**

Reductions in the transportation sector will be critical to achieving NJ's emissions target

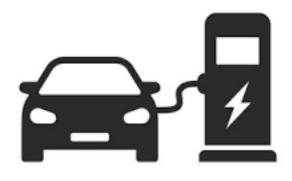


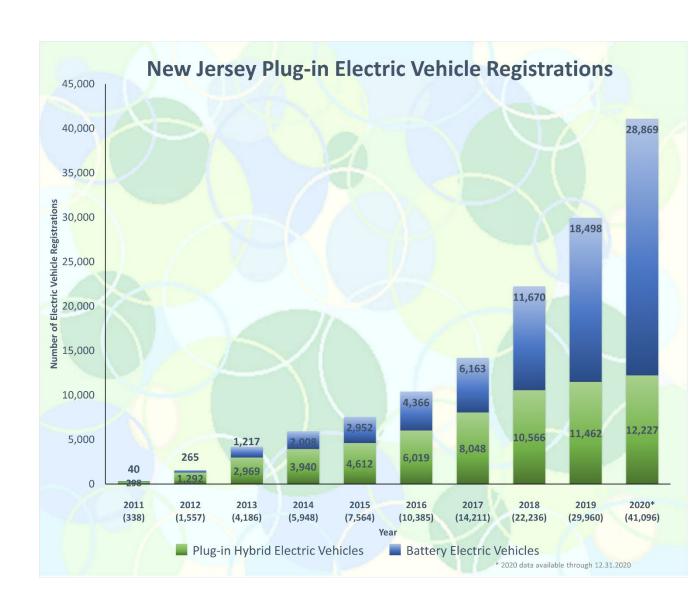


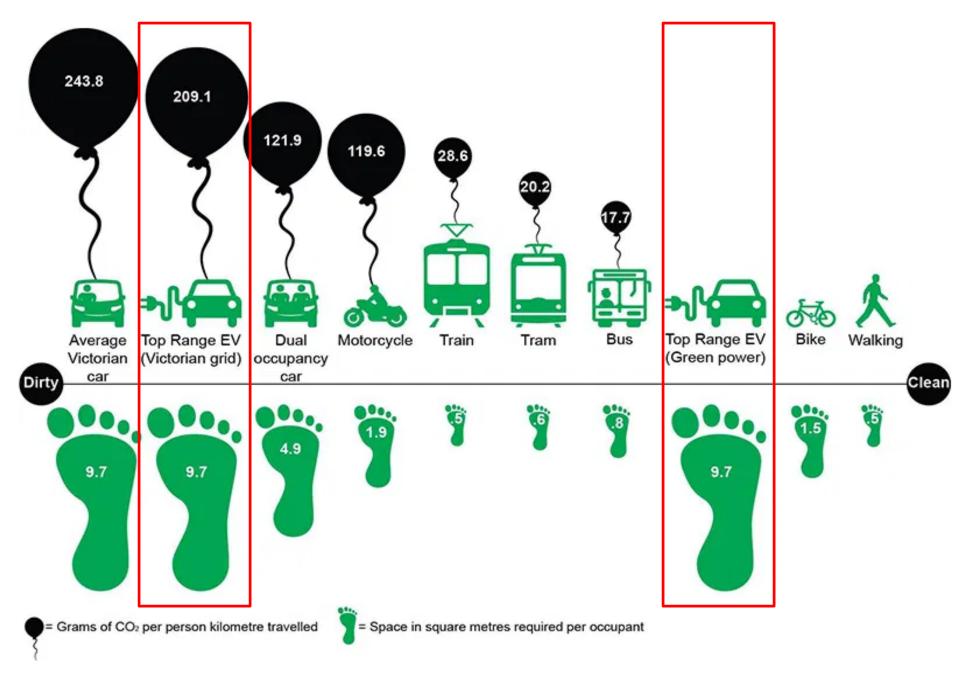
Source: NJDEP

#### Significant attention being paid to vehicle electrification

- Charging infrastructure investments
- Rebates and tax credits to encourage EV purchases
- EVs can use HOV lanes







This infographic compares emissions and space consumption for different transport modes. Source: Institute for Sensible Transport

#### What can the working group do?

# ramework



**Healthy.** Improve health outcomes for people and communities by improving air quality and making it easier and safer to walk and bike.



**Just.** Promote **equity** by making travel by transit more reliable and convenient and by enhancing access to opportunity for marginalized groups.



**Efficient.** Increase transportation system efficiency and effectiveness by integrating advanced and emerging transportation technologies and modes.



**Resilient**. Enhance the resilience of transportation systems by adapting infrastructure to climate hazards.



**Carbon Neutral.** Reduce energy use and emissions of all kinds by facilitating a transition to CO2-neutral transportation.

Toward a healthier, more equitable, and cleaner transport future in New Jersey

### HEALTHY, JUST, RESILIENT, AND CO2-NEUTRAL MOBILITY FOR ALL

#### What is healthy mobility?

- Access
- Safety
- Physical activity
- Air quality
- Noise











#### What is equitable and just mobility?



#### What is resilient mobility?

Robustness

Redundancy

Flexibility

Responsiveness

Coordination

#### What is carbon-neutral mobility?



#### **Guiding concepts**

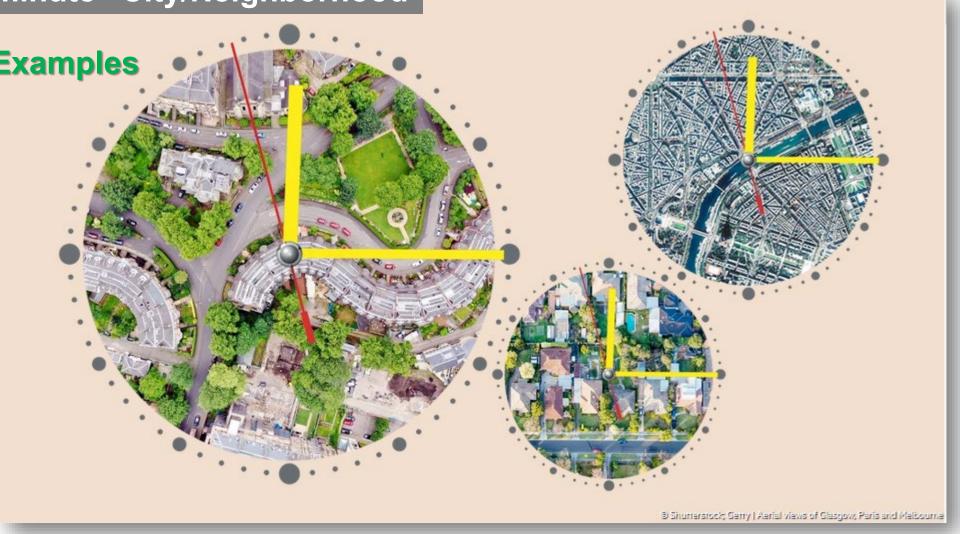
- Decarbonize the transportation sector
- Empower people to drive less
- Create a network of diverse and inclusive neighborhoods that are well connected to each other
- Think of mobility as a service and reimagine public transportation
- Embrace new technologies but ensure they are affordable and accessible to all
- Make social justice a key indicator of transportation performance

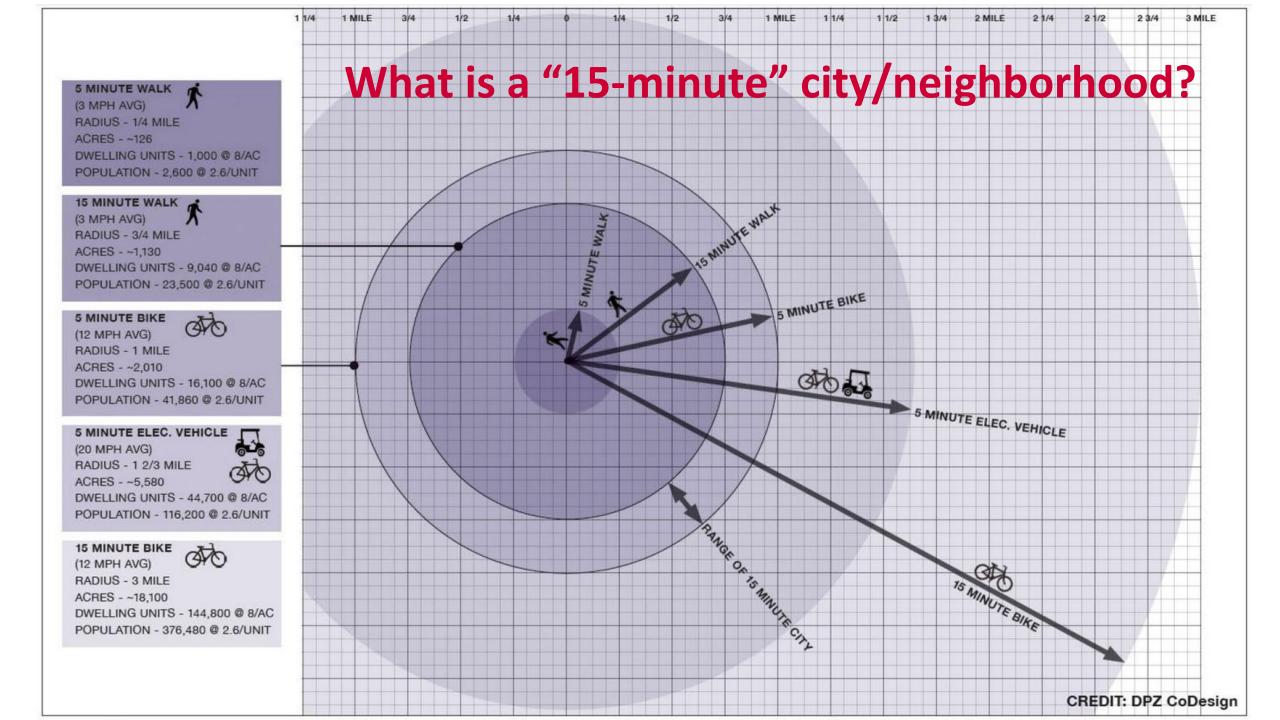
#### **Potential Organizing Framework**

"15-minute" City/Neighborhood

Leading Practice Examples

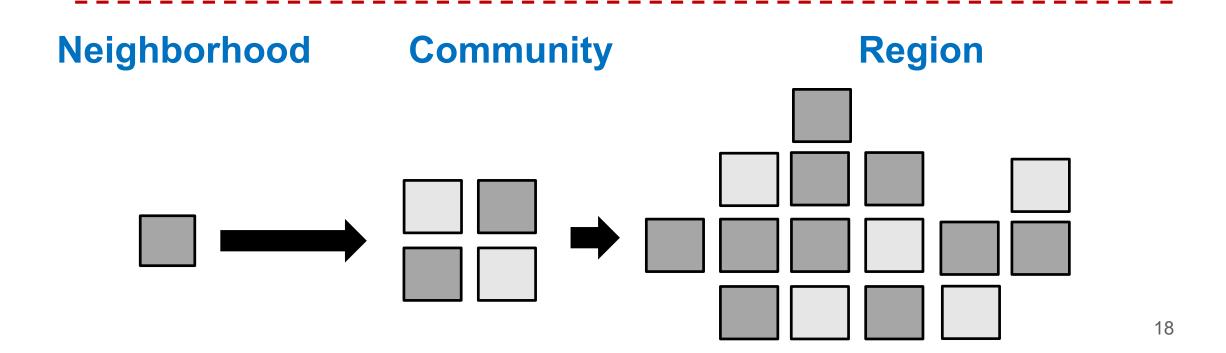
- Singapore
- Paris
- Portland
- Melbourne
- Ottawa
- Barcelona





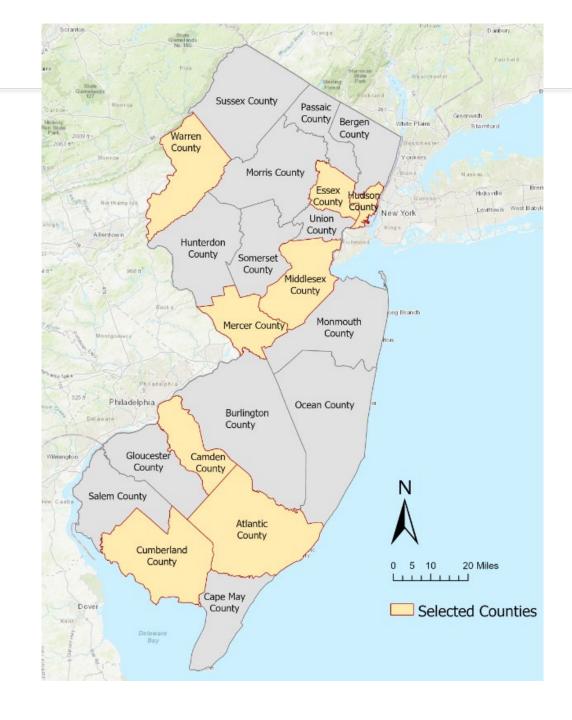
#### **Key relationships**





#### Phase 1 case study locations

- 1. Atlantic
- 2. Camden
- 3. Cumberland
- 4. Essex
- 5. Hudson
- 6. Mercer
- 7. Middlesex
- 8. Warren



#### **Proposed work plan**

PHASE 1 – Exploring key concepts, desktop analysis, looking toward the future (Mar-Jun 2021)	<ul> <li>Activities:</li> <li>Conduct leading practice research</li> <li>Collect, analyze, and map data</li> <li>Identify of potential equity partners</li> <li>Convene "Thought Leaders" Issues Forum #1</li> </ul>
PHASE 2 – Field work and community engagement (Jul-Sep 2021)	<ul> <li>Activities:</li> <li>Select locations for neighborhood-scale analysis</li> <li>Conduct field visits to get to know the neighborhoods</li> <li>Develop and implement community engagement plan</li> <li>Conduct stakeholder interviews</li> <li>Identify mobility and other community needs and concerns</li> </ul>
PHASE 3 – Bringing it all together and making recommendations (Oct-Dec 2021)	<ul> <li>Activities:</li> <li>Prepare concept plans for retrofitting existing neighborhoods</li> <li>Identify infrastructure needs</li> <li>Develop planning and policy recommendations</li> <li>Prepare comprehensive final report</li> <li>Convene "Thought Leaders" Issues Forum #2</li> </ul>

#### **Next Steps and Issues Forum #1**

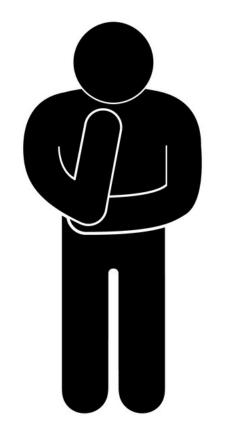
#### Objectives

- Explore the components of the multi-goal framework
- Identify
  - Needs, concerns, and desired long-term outcomes
  - Performance measures
  - Potential obstacles and impediments to achieving healthy, just, resilient, and carbon-neutral mobility for all

#### Virtual format

- Plenary + breakouts
- Timing Jun/Jul 2021





## Thoughts? Questions? Comments?

#### **Contact Information**

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