Agenda

9:00 – 9:02  /  Introductions and Meeting Objectives
9:02 – 9:05  /  Progress and Schedule Update
9:05 – 10:45  /  Development of Clean Transportation and Mobility
Investments/Policy Portfolios

• Strategies
• Policies
• Investment Portfolios

10:45 – 10:53  /  Recommendation Process
10:53 – 11:00  /  Wrap-up and Next Steps
## Updated Schedule & Progress Report

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Task 1</td>
<td>Coordination with the Governor’s Mobility Advisor and State Agencies</td>
<td>July: 7/28; August: 8/11; September: 8/25; October: 9/8; November: 9/22; December: 10/6, 10/20, 11/3, 11/17, 12/1, 12/15</td>
</tr>
<tr>
<td>Task 2</td>
<td>Co-facilitate and assist with meeting agendas, minutes, discussion topics, and assist identifying potential speakers (5)</td>
<td>July: 8/6; August: 9/3; September: 10/1; October: 11/5, 11/19</td>
</tr>
<tr>
<td>Task 3</td>
<td>Identify relevant RI agency plans, summary of northeast mobility &amp; investment plans</td>
<td>July: *; August: *; September: *; October: *; November: *; December: *</td>
</tr>
<tr>
<td>Task 4</td>
<td>Draft a minimum of 3 investment portfolios, prepare an internal discussion paper on at least three investment portfolios, finalize minimum of 3 investment portfolios, cost benefit analysis, develop and present an action plan for the portfolios</td>
<td>July: *; August: *; September: *; October: *; November: *; December: *</td>
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<tr>
<td>Task 5</td>
<td>Draft executive summary and full report, final executive summary and full report</td>
<td>July: *; August: *; September: *; October: *; November: *; December: *</td>
</tr>
<tr>
<td>Task 6</td>
<td>Project oversight and tracking</td>
<td>July: *; August: *; September: *; October: *; November: *; December: *</td>
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</table>

### Project Management

- **Scheduled Task**
- **In-Progress**
- **Complete**
- **We are Here**
- **Meetings/Webinars**
- **Deliverable**

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[Note: The schedule includes specific dates for each task, indicating whether they are scheduled to begin, are in progress, or have been completed.]
Overview of Clean Transportation and Mobility Strategies and Benefits
Clean Transportation & Mobility Goals

- Reduce GHG emissions
- Healthy people & environment
- Economic opportunity
Portfolio Development Process

1. Goals
2. Information from Other Studies
3. Initial List of Strategies & Supporting Policies
4. Bundle into Investment Portfolios
5. Analyze Portfolio Benefits/Impacts
6. Preferred Investment Portfolio
7. Final Benefits Analysis

MIWG Input
## Potential Strategy Implications

<table>
<thead>
<tr>
<th></th>
<th>Clean Vehicles</th>
<th>Travel Pricing</th>
<th>Transit, Walking, Biking, Transportation Demand Management</th>
<th>Private CAVs</th>
<th>Smart Mobility</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHG</td>
<td>↑↑</td>
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<td>↑</td>
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<td>↑↓</td>
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<tr>
<td>Air pollution</td>
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<td>↑</td>
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<td>↑↓</td>
</tr>
<tr>
<td>Vehicle Miles Travelled</td>
<td>↓</td>
<td>↑</td>
<td>↑</td>
<td>↓↓</td>
<td>↑↓</td>
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<tr>
<td>Mobility</td>
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<td>↑↑</td>
<td>↑↑</td>
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<tr>
<td>Safety</td>
<td>---</td>
<td>↑</td>
<td>↑</td>
<td>↑↑</td>
<td>↑↑</td>
</tr>
<tr>
<td>Physical activity and health</td>
<td>---</td>
<td>↑</td>
<td>↑↑</td>
<td>↓</td>
<td>↓</td>
</tr>
<tr>
<td>Equity</td>
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</tbody>
</table>

Source: Carbon Free Boston study, 2019
GHG Benefits & Costs

Source: Carbon Free Boston study, 2019
Overview of Strategy Investment Tool

Takes $-value investment in clean transportation strategies and provides estimates of:

- GHG and emission reductions
- Health benefits – physical activity, air quality, and safety
- Time savings
- Business and consumer cost savings

Based on regional and national studies of effectiveness

General assessment – actual benefits will depend upon details of specific projects implemented
## Strategies & Supporting Policies: Electrification & Alternative Fuels

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Supporting Policies</th>
</tr>
</thead>
</table>
| **Electrification: personal vehicles** | • Rebate/incentive programs for vehicles and/or EVSE  
• Public charging stations  
• Priority parking  
• EVSE requirements or incentives in zoning/building codes  
• Rate structures  
• Grid strategies |
| **Electrification: fleet vehicles** | • Public fleet purchases and EVSE installation  
• Grants, loans, or rebates to fleet operators for vehicle and/or EVSE purchase and installation  
• Demonstration programs/partnerships with fleet operators  
• Grid strategies |
Current State of the EV Market
## Strategies & Supporting Policies: Vehicle Travel Reduction & Mobility

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Supporting Policies</th>
</tr>
</thead>
</table>
| Transit & rail improvements     | • Local and regional service expansion  
                                  | • Service efficiency improvements (e.g., signal priority, bus on shoulder, electrification)  
                                  | • Reduced/free fares                                                                  |
| Bicycle and pedestrian          | • Path construction & grants  
                                  | • Funding for complete streets policies and projects  
                                  | • Supporting infrastructure (parking, wayfinding, etc.)  
                                  | • Safe routes to school programs  
                                  | • Vision Zero                                                                      |
| Shared mobility & micromobility | • Bike and carshare program subsidies/operation  
                                  | • Higher fees for solo-ride trips  
                                  | • Prioritize curb space for EV and/or HOV rideshare  
                                  | • TNC-transit agency partnerships, demonstrations, & funding  
                                  | • Incentives/rebates for e-bikes, scooters, etc.  
                                  | • Shared fleets - clean & automated vehicles |
## Strategies & Supporting Policies: Vehicle Travel Reduction & Mobility (cont’d)

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Supporting Policies</th>
</tr>
</thead>
</table>
| **Land use/smart growth/transit-oriented development** | • Funding and technical assistance to revise plans & zoning  
• Targeted investment in pedestrian access/public realm improvements  
• Growth boundaries  
• Transfer of development rights |
| **Travel demand and mobility management**     | • Employer-based outreach and incentive programs  
• School-based outreach  
• Neighborhood based “travel smart” programs  
• Subsidized transit pass programs  
• Telework support  
• Rideshare and vanpool support  
• Mobility as a service (MaaS) |
| **Pricing**                                   | • Smart parking  
• Congestion pricing (highways)  
• Cordon pricing (urban core)  
• Feebates |
## Provisions to Promote Equitable Outcomes & Economic Benefits

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Equity Assurance</th>
<th>Job Focus</th>
</tr>
</thead>
</table>
| **Electrification and alternative fuels** | • Income-tested rebate/incentive programs  
• Income-qualified rate structures  
• Geographic prioritization of publicly funded EVs and EVSE to disadvantaged communities  
• Targeted support for small business electrification | • Prioritize local suppliers/contractors for publicly funded investments & services  
• Workforce training for clean technology (e.g., EV maintenance)  
• Business partnerships/ investments for clean transportation technology industries |
| **Vehicle travel reduction & mobility** | • Income-based fares/fees  
• Prioritization of infrastructure, services, and subsidies towards underserved areas  
• Requirements to serve underserved areas  
• Affordable housing policies  
• Transit development | • Prioritize strategies improving access to jobs & education  
• Local workforce training/capacity building for service provision |
Discussion Question

Which strategies would you like to hear more about?
Based on what you have heard today, what are your top three priorities?

1. Electrification: personal vehicles
2. Electrification: fleet vehicles
3. Transit & rail improvements
4. Bicycle and pedestrian improvements
5. Shared mobility & micromobility
6. Land use/smart growth/TOD
7. Travel demand & mobility management
8. Pricing
Discussion Question

Which three strategies do you think best achieve healthy communities?

1. Electrification: personal vehicles
2. Electrification: fleet vehicles
3. Transit & rail improvements
4. Bicycle and pedestrian improvements
5. Shared mobility & micromobility
6. Land use/smart growth/TOD
7. Travel demand & mobility management
8. Pricing
Discussion Question

Which three strategies do you think best achieve economic development?

1. Electrification: personal vehicles
2. Electrification: fleet vehicles
3. Transit & rail improvements
4. Bicycle and pedestrian improvements
5. Shared mobility & micromobility
6. Land use/smart growth/TOD
7. Travel demand & mobility management
8. Pricing
Break
Policy Conversation
Policy Discussion Questions

Are there any supporting policies that are missing and should be added for consideration?

Which supporting policies are most valuable?

Are there any that are less valuable for RI?
## Discussion: Electrification & Alternative Fuels Policies

### Are there any supporting policies that are missing and should be added for consideration?

### Which supporting policies are most valuable?

### Are there any that are less valuable for RI?

<table>
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<tr>
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<th>Equity &amp; Jobs</th>
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  • Priority parking  
  • EVSE requirements or incentives in zoning/building codes  
  • Rate structures  
  • Grid strategies | • Income-tested rebate/incentive programs  
  • Geographic prioritization of publicly funded EVs and EVSE to disadvantaged communities  
  • Targeted support for small business electrification  
  • Prioritize local suppliers/ contractors for publicly funded investments & services  
  • Workforce training for clean technology  
  • Business partnerships/ investments for clean transportation technology industries |
| **Electrification: fleet vehicles** | • Public fleet purchases and EVSE installation  
  • Grants, loans, or rebates to fleet operators for vehicle and/or EVSE purchase and installation  
  • Demonstration programs/partnerships with fleet operators  
  • Grid Strategies |
### Discussion: Vehicle Travel Reduction & Mobility Policies

#### Are there any supporting policies that are missing and should be added for consideration?

#### Which supporting policies are most valuable?

#### Are there any that are less valuable for RI?

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| Bicycle and pedestrian improvements | • Path construction & grants  
• Complete streets policies & projects  
• Supporting infrastructure  
• Safe routes to school programs  
• Vision Zero                  |                                                                                                 |
| Shared mobility & micromobility | • Bike and carshare program subsidies/operation  
• Higher fees for solo-ride trips  
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• TNC-transit agency partnerships  
• Incentives/rebates for e-bikes, scooters, etc.  
• Shared fleets - clean & automated vehicles |                                                                                                 |

Are there any supporting policies that are missing and should be added for consideration? What supporting policies are most valuable? Are there any that are less valuable for RI?
Discussion: Vehicle Travel Reduction & Mobility Policies (continued)

### Are there any supporting policies that are missing and should be added for consideration?

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| Travel demand management          | • Employer-based outreach and incentive programs  
• School-based outreach  
• Neighborhood based “travel smart” programs  
• Subsidized transit pass programs  
• Telework support  
• Rideshare and vanpool support  
• Mobility as a service | |
| Pricing                           | • Smart parking  
• Congestion pricing (highways)  
• Cordon pricing (urban core)  
• Feebates | |

### Which supporting policies are most valuable?

### Are there any that are less valuable for RI?
Investment Portfolios
## Developing Investment Portfolios

<table>
<thead>
<tr>
<th></th>
<th>Diverse</th>
<th>Hybrid</th>
<th>Max GHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cars, light trucks and vans</td>
<td>5%</td>
<td>30%</td>
<td>54%</td>
</tr>
<tr>
<td>Low &amp; zero-emission buses and trucks</td>
<td>21%</td>
<td>23%</td>
<td>27%</td>
</tr>
<tr>
<td>Transit expansion and upkeep</td>
<td>35%</td>
<td>18%</td>
<td>-</td>
</tr>
<tr>
<td>Pedestrian and bike safety, ride sharing</td>
<td>16%</td>
<td>14%</td>
<td>10%</td>
</tr>
<tr>
<td>System efficiency</td>
<td>7%</td>
<td>8%</td>
<td>8%</td>
</tr>
<tr>
<td>Indirect/ Other</td>
<td>17%</td>
<td>8%</td>
<td>-</td>
</tr>
</tbody>
</table>
Portfolio Development Process

- **Goals**
- **Information from Other Studies**
- **Initial List of Strategies & Supporting Policies**
- **Bundle into Investment Portfolios**
- **Analyze Portfolio Benefits/Impacts**
- **Preferred Investment Portfolio**
- **Final Benefits Analysis**

**MIWG Input**
Investment Strategy Summary

Have your thoughts on the investment strategies shifted based on today’s discussion and why?

Do you have any other questions or comments?
Recommendation Process Overview

Recommendations will be modeled around the mission and guiding principles of the MIWG and will be relevant to Rhode Island.

Sources for Recommendations:
- Consider audit and all existing state plans
- Speaker presentations
- Working Group Members ideas/presentations
- Best practices from other States and academia
- Input from the public

Scope- Recommendations can include:
- BIG IDEAS
- Goal specific
- Investments
- Complementary policies

Next Steps
- The recommendation template and guidance memorandum will be circulated today
- Please review both documents
- We are asking for your input by October 26
- We will discuss recommendations at the November 5th meeting
Public Input Meeting: October 22\textsuperscript{nd}

To request an opportunity to provide comment, please contact: colleenquin@gmail.com and katja.hamler@governor.ri.gov
Next Steps

10/22 Public Meeting

11/05 Meeting
Recommendations

11/19 Meeting
Implementation and Action Plan

Report to Governor

For more information:
http://climatechange.ri.gov/state-actions/mobility-innovation.php
colleenquin@gmail.com    | katja.hamler@governor.ri.gov
Governor’s Mobility Advisor  | Policy Advisor, Office of the Governor
Thank You