OUR CHALLENGES & OUR WORK

The Future of Fossil Fuels in Transportation

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For E2Tech
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MAINE’S TRANSPORTATION CHALLENGES
TRANSPORTATION IS BIGGEST PART OF THE PROBLEM

Southern Maine Energy Use & Emissions - 2010
TRANSPORTATION EMISSIONS GROWING

Source – Acadia Center
ADDRESSING TRANSPORTATION ENERGY CONSUMPTION

- More efficient cars
- Cleaner cars
- Reduce driving
REDUCING DRIVING

Eliminate trips  Smart growth  Viable public transportation  Walkable/bikable neighborhoods
SOLUTION:
ELECTRIC VEHICLES
SOLUTION: ALTERNATIVE FUELS
Projected Growth in CO₂ Emissions from Cars and Light Trucks Assuming Stringent Nationwide Vehicle and Fuel Standards*

*With VMT CO₂ MPG Fuel GHG and 1990 CO₂

Source: Dukakis Center
TRANSPORTATION IS IMPORTANT BECAUSE OF WHAT IT DOES, NOT WHAT IT IS
SOLUTION: SMART GROWTH
SOLUTION:
STREETS FOR PEOPLE
**SOLUTION:**
**GREAT ALTERNATIVES**

### Monday Through Friday
#### Northbound to Brunswick

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<th>Portland Transportation Center</th>
<th>Monument Square</th>
<th>Yarmouth Town Hall</th>
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DEMOGRAPHICS IS DRIVING REDUCED DRIVING
“The new love affair is with our smartphones, not our cars.”

– Rosabeth Kantor
Dystopia

SUVs, Gas, Single occupancy

Utopia

Small, electric, shared
What are the principles that should shape the adoption of these innovations?

What is the role of government?

How can we -- as the state, an MPO, regional planning agency, municipalities -- prepare?
Maine Clean Communities = MC²

A Clean Cities Program Promoting Clean Fuel Vehicles, Energy Independence and Clean Air
Administered by the Greater Portland Council of Governments