

**Appendix C**  
**4. Sustainable Transportation Presentation**

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## **Briefing for Portsmouth Transportation Committee**

*Bill Lyons  
December 12, 2012*

### **Sustainable Portsmouth: Five Year Sustainability Plan**

- **Transportation Group: Final Report (3/10)**

### **Sustainable Portsmouth and Portsmouth Listens**

- **Bridging Our Communities: Summary and Final Group Reports (2/12)**

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## **Sustainable Portsmouth: Five Year Action Plan Transportation Group Report Out**

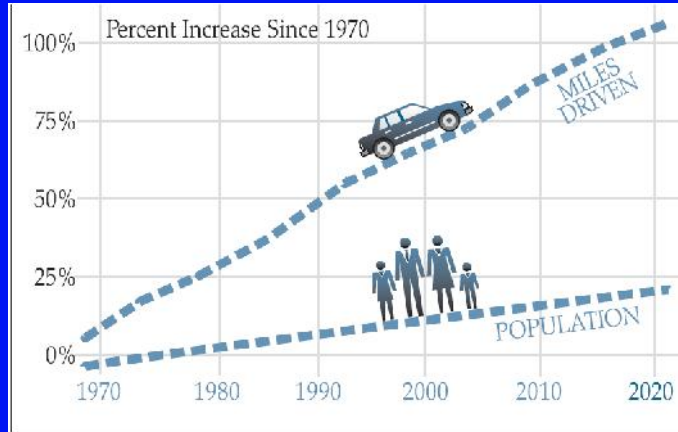
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Joie Benson  
Christine Dwyer  
Bill Hagerty  
Barclay Jackson  
Melissa Kalacin  
Brian Keegan  
Bill Lyons (presenter)  
Roger Maloof  
Steve Pesci  
Shaun Rafferty  
Shannon Rogers  
Cliff Sinnott  
Gerry Smith

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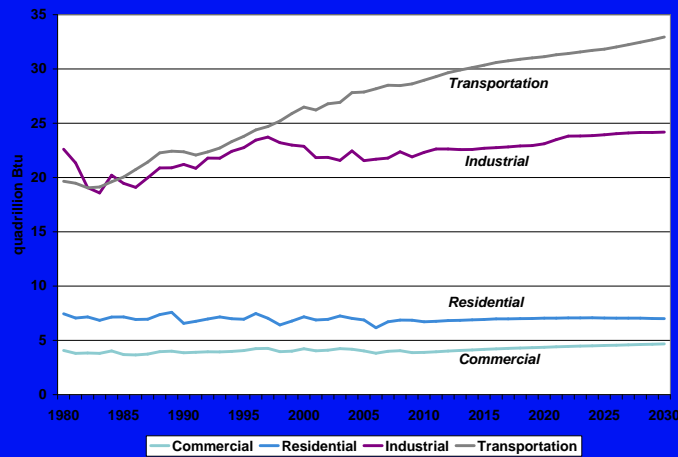
## VMT Regional Trend (as of 2004)

Miles Driven and Population Growth in MA



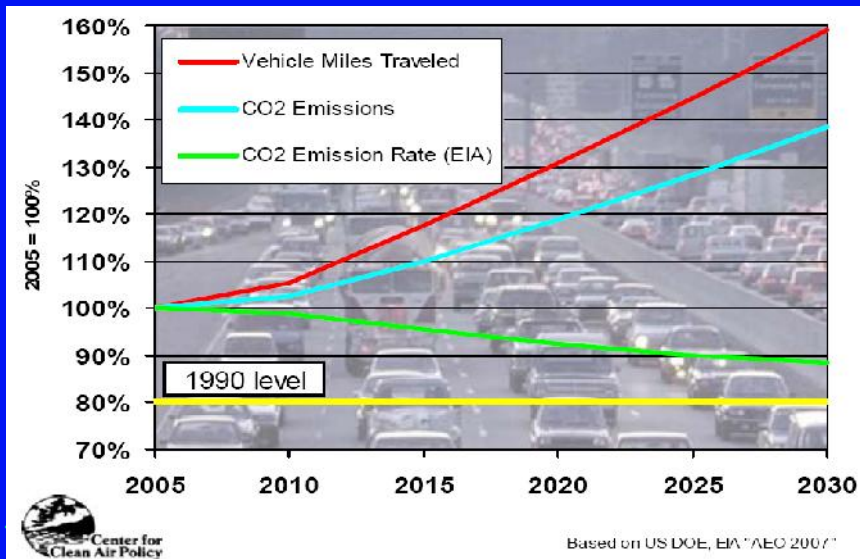
Source: MA Climate Action Plan (2004)

## U.S. Primary Energy Consumption by Sector 1980 - 2030



Source: EIA, Monthly Energy Review, June 2008, and Annual Energy Outlook, June 2008

## CO<sub>2</sub> Emissions are Projected to Increase



## Non-Motorized Travel

- 50% of all trips in metropolitan areas are three miles or less
  - 28% of all metropolitan trips are one mile or less
  - 65% of those trips are made by automobile



## ***Indicators and Baseline***

<b>GOAL</b>	<b>MEASURE</b>
■ Access	Convenience by walk, bike, transit
■ Walkability/ transit Mode split	%, trips, miles: by car vs. walk, bike,
■ Health	Injuries, walk/bike physical activity, trips
■ Climate change total	Transport carbon/capita, community
■ Energy	Auto Vehicle Miles/per capita

## ***Transportation Vision***

Transportation that supports a sustainable city & region characterized by a healthy environment, vibrant economy, and accessible access to **opportunities for all**.

1. Support a thriving **economy** while preserving historic character and natural beauty.
2. Minimize **environmental** impact of transportation.
3. Ensure a safe and **healthy** transportation system.
4. Support a **walkable and bikeable** community.
5. Provide **affordable**, attractive travel options within Portsmouth and connecting to the region and beyond.

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## ***Actions***

### **Implement Master Plan and Governors Climate Action Plan**

- 1. Increase Community Awareness and Involvement**
- 2. Improve Integrated Planning**
- 3. Provide Alternatives to Automobiles**
- 4. Parking**
- 5. Proof of Concept/Pilot Project: Woodbury Avenue**

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## ***Increase Community Awareness and Involvement***

- **Over-arching action**
- **At key points in planning & decision-making**
  - **City, Region, State**
- **Transportation theme for Sustainability Fair**
- **Partner with Schools, K-12**

## ***Improve Integrated Planning***

- **Considers land use, health, energy, and environment alongside traffic and safety**
- **Public to bring issues to table for planning and decision-making**
- **Expand formal and informal opportunities to influence decisions – at the right place and time**
  - **City: staff responsibilities, committee structure and membership**
  - **Region and state: formal planning processes**

## ***Provide Alternatives to Automobiles***

- **Think intermodally – all are connected**
  - **A family of alternatives -- also parking!**
  - **Walk, bike, transit, regional (C&J, DownEaster)**
- **Support and improve transit**
  - **Stable/expanded funding**
  - **Satellite parking and transit**
  - **Transit Oriented Development – partner with economic development**
- **Improved walking/biking – A Walkable City**
  - **Complete Streets, Traffic calming, Safe Routes to School**
- **Other – ride/car/bike share, telework, alternative fuels**

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## ***Parking***

- **Parking a part of inter-connected balanced and managed transportation system with driving, transit, walking, and biking.**
- **Balance supply and demand.**
- **Generate sustainable income for parking and transportation.**
- **Balance parking convenience with walkable community.**
- **Role for satellite parking with convenient transit links.**

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## ***Pilot Project: Woodbury Avenue***

- **Demonstration project for all ideas.**
- **Major travel corridor and gateway to city.**
- **New softball field.**
- **Encourage bike-ped use on new facilities for work, shopping, recreation.**
- **Reduce car/truck traffic.**
- **Work with neighborhood association, Safe Routes to School comm. & alternative transportation advocates on shared goals.**



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***“Bridging Our Communities”  
Sustainable Portsmouth  
and Portsmouth Listens  
February 2012***

**Vision: How can the new Memorial Bridge and our regional transportation system connect our communities and make Portsmouth and Kittery the best places to live, work and play for everyone?**

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***Background***

- **Directly related to major component of the Five Year Sustainability Plan: Sustainable Transportation**
  - Sustainable future
  - Thinking regionally
  - Attractive, affordable, safe, and environmentally friendly transportation alternatives
- **Coincided with dismantling Memorial Bridge**
- **Organized by Regional Transportation Dialogue Comm.**
  - 35 participants, half-day event, study circles
- **Included key Transportation partners**
  - NHDOT, Seacoast and Kittery MPOs, COAST, City of Portsmouth
  - Workshop and report out

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## ***Common Issues and Themes***

- 1. Memorial Bridge as a community connector**
  - Physically, culturally, economically
- 2. Transportation is a connected system**
  - 3 bridges, roads, transit, biking/walking
- 3. Transportation requires a collaborative process**
  - Broad involvement to think beyond immediate costs
  - Multiple actors, broad citizen involvement
- 4. Think regionally**
  - All local decisions involve broader regional system
- 5. Focus on sustainable transportation**
  - Energy, environment, access to opportunities

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## ***Recommendations***

- 1. Enhancements to the bridge**
  - Memorial, lighting, energy efficiency
- 2. Walking and bicycling**
  - A priority for bridge, access, and to broader network
  - Create Portsmouth and Kittery bike/ped plans
  - Preserve historic core – walkable cities
- 3. More prominent role for public transit**
  - Reduce traffic, expand COAST and inter-city
- 4. New ideas**
  - Free bus in the core, parking in regional transportation planning, transportation celebration for bridge