COMMUNITY CONVERSATION: TRANSPORTATION/SMART GROWTH & CLIMATE CHANGE 6/29/23

TCAG and Portsmouth Smart Growth

Community Conversation: Transportation/Smart Growth and Climate Change



transportation & climate action group

Speakers

- Welcome: William Lyons (PCA/TCAG), Emily Chadwick (PSG) •
- Overview and Structure of Meeting: William Lyons *
- Update on Portsmouth Climate Action Plan: Peter Britz (City of ** Portsmouth)
- Topic 1 Shared Mobility: William Lyons
- Topic 2 Biking and Walking: Matt Glenn (TCAG/SABR) **
- Electric Vehicles: Tom Morgan (PSG)
- Land Use/Transportation: Emily Chadwick •



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Overview

- First in series of Community Conversations to provide input for Portsmouth Climate Action Plan (CAP)
- Supports Climate Ambassadors Program
- Organized by Portsmouth Climate Action, Portsmouth ** Transportation Climate Action Group, Portsmouth Smart Growth



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Purpose & Agenda

- Develop climate-friendly transportation and smart growth * strategies for the Portsmouth Climate Action Plan (CAP)
- Input to City and CAP consultant *
- Develop "community of practice" to support CAP implementation *

Agenda:

- Topic Overviews
- **Breakout Discussions** •
- Groups Report Back •
- Next Steps



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Transportation & GHG emissions

- Transportation sector is a major source (20-30+%) of GHG ** emissions in Portsmouth, in the U.S. and world-wide
- Transportation emissions can be reduced by:
 - reducing trips and vehicle miles by single occupant fossil fuel burning personal vehicles
 - Shifting to lower carbon modes (walking, biking, shared • mobility/public transit)
 - Eliminating trips remote work, on-line shopping, demand * management (parking charges)
 - Shift to EVs (cars, trucks, or e-bikes).
 - Land use/smart growth *



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Principles: Climate Friendly Transportation

- 1. Goal: reduce transport sector GHG emissions
- 2. Sustainability
 - Balance Environment, Economy, Equity (3 Es)
 - Focus on Co-benefits
- 3. Systems approach
 - > Improve multimodal connectivity
 - > Focus on performance of the system
- 4. Public engagement and political will for implementation



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Transportation

CAP - GHG Reductions

Smart Growth

A BALANCED APPROACH TO TRANSPORTATION GHG REDUCTIONS FOR THE CAP





PORTSMOUTH

Reduce travel distance between home and work, shopping, dining, etc.; align low-carbon mobility and development

Replace fossil fuel cars and trucks with battery electric vehicles

Safe paths for bikes, e-bikes and pedestrians; promote human powered transport

Expand bus routes; promote ride sharing; culture shift

Shared Mobility/Public Transit OVERVIEW & CONTEXT

- Can shared mobility/public transit significantly reduce transport GHG?
 - How can we increase from current 1.7% public transit mode share?
 - $\circ~$ Funding challenges NH 49^{th} in state support for operations
- Can innovative Shared Mobility attract riders, reduce car trips, GHG?
 - Fixed or flexible routes and scheduling (microtransit)
 - Public-private partnership (developers, tourist industry, operators)
 - Single platform: seamless app for routing, scheduling, fare payment
- How to improve connectivity?
 - Bus, first mile/last mile, bike/pedestrian, micromobility, shared mobility?
 - Connecting COAST, UNH Wildcat, C&J?

e transport GHG? it mode share?

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SHARED MOBILITY **BEST PRACTICES - SAVANNAH GEORGIA "DOT"**





HOME

ROUTES & SCHEDULES

RIDER TOOLS

PLAN YOUR VISIT

ABOUT US



Source: Savannah Mobility Management, Inc. connectonthedot.com





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Evolving Approaches: Mobility as a Service (MaaS)



MyRide by GMT



Introducing MyRide by GMT

MyRide by GMT is a new flexible-schedule, flexible-route service in Montpelier. Operated by GMT, MyRide features technology-enabled vehicles that provide curb-to-curb service, taking you when and where you need to go.



https://ridegmt.com/myride/







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SHARED MOBILITY: Evolution for Portsmouth?

- Climate focus: how to build support for attractive options to reduce car trips, VMT, GHG?
- Explore partnerships for low carbon transportation:
 - Bus operators (COAST, UNH Wildcat, C&J)
 - Private partners: developers, schools, tourist industry, other employers
 - Align with improved first mile-last mile connectivity Ο
 - Focus on priority corridors, future development, affordable housing Ο
- **Downtown Mobility Hub:** connecting all modes, seamless connectivity
- Sustainable Mobility Plan: multimodal vision -- align with regional plans (RPC)
- Possible expanded circular loop?
 - Fixed or flexible scheduling and routing complement existing bus service
 - Direct links: historic district, tourism, parking, jobs, housing, parking Ο
 - "Proof of concept" pilot access new federal programs (including climate focus) Ο



Bicycle and Pedestrian

- Portsmouth is a relatively compact city in which many people live within easy walking or biking distance to jobs, shopping, and recreation- in fact, Portsmouth has been named "most walkable in the state"
- According to the 2014 Bicycle and Pedestrian Plan, 5.7% of commutes were on foot and 2.4% were by bicycle, motorcycle or taxi- well above the national average but with much room for growth
- A <u>nationwide survey</u> from the National Institute for Transportation and Communities found that a whopping two-thirds of U.S. residents would be more likely to bike if they were separated from cars by a physical barrier

Existing policies and plans that can be leveraged include:

- Walk Friendly Community Policy, Bike 0 Friendly Community Policy (2013)
- Bicycle and Pedestrian Plan (2014) and 0 Update (2018)
- Blue Ribbon Committee on Transportation 0 Policy Report to the City Council (2013)
- Complete Streets Policy (2013) 0
- Portsmouth 2025 Master Plan 0





Prioritization Criteria



Non-Infrastructure Recommendations

- The 5 Es
 - Engineering
 - Education
 - Encouragement
 - Enforcement
 - Evaluation

- Safe Routes to School Bike Friendly Business Program Volunteer Snow Clearance Speed Feedback Signs Mode Share Goals
 - Law Enforcement Education
 - Walk to Work Days

From 2018 Update to the Bicycle and Pedestrian Plan

More Portsmouth Context:

- The 2014 Bicycle and Pedestrian Plan was updated only once in 2018, despite recommending annual reporting
- Projects are not ranked by ability to reduce greenhouse gas emissions by enabling a mode shift
- We have a Parking and Traffic Safety committee, but no pedestrian and bicycle advisory committee like many other cities
- Traffic calming, bike lanes, parking reductions, and any change from the "status quo" will generate controversy
- Much enthusiasm exists, as seen at the recent kids Bike Rodeo and Mayor's Ride, and by soaring sales of e-bikes, e-scooters, and other forms of non-motorized mobility

Besides GHG reductions, co-benefits of Biking and Walking include:

- Affordability
- Healthier lifestyles
- Provides options for those unable to drive
- Increased safety for all road users
- Reduced Traffic congestion
- Supports economic development







The transportation sector is responsible for 47% of GHG.

E.P.A. Is Said to Propose Rules Meant to Drive Up Electric Car Sales Tenfold

In what would be the nation's most ambitious climate regulation, the proposal is designed to ensure that electric cars make up the majority of new U.S. auto sales by 2032.





President Biden delivered a speech at a General Motors electric vehicle assembly plant in Detroit in 2021. The new rules would exceed his earlier goal that half the cars sold in the United States be all-electric by 2030. Doug Mills/The New York Times









Motor Vehicle Service Station

An establishment that sells fuel (including but not limited to gasoline, diesel, natural gas, electricity or hydrogen) to individual vehicles.

> Portsmouth Zoning Ordinance Page 15-27

By Degrees: Covering Climate Change

Over 2 million more electric vehicles estimated in New England over next decade

New Hampshire Public Radio | By Sarah Gibson Published February 28, 2023 at 3:54 PM EST

Challenges

1) In order to enable a timely transition to electric vehicles, chargers must be ubiquitous.

2) EV Equity: 46% of Portsmouth residents rent their homes. Landlords have little incentive to install Level 2 chargers.

3) City Hall's regulatory obstacles place our tourist sector at a competitive disadvantage vs. other tourist destinations.

Land Use The Human Scale City

The Human Scale City

- services and amenities
- accessibility
- housing variety
- mixed use

- lively street presence
- flexible and temporary uses
- parking requirements
- promotion

esence nporary uses ements

Portsmouth International Airport

Newington

Kittery

Strawbery Banke Museum

Portsmouth

New Castle

Portsmouth Hospital

1 mile 5 min bike ride 1/4 mile 5 min walk

Greenland

15 min bike ride Water Country Water Park

Google Earth Imagery date: 1/1/03-5/10/23 Google Data SIO, NOAA, U.S. Navy, NGA, GEBCO

3,000 m _I

Strawbery Banke Museum

Four Tree Island

South End

South Mill Pond Playground

1/4 mile

Portsmouth

Little Harbour

5 min walk

Little Harbour School

Piscataqua Dental Partners

Portsmouth High School

North Mill Pond

West End

Google Earth Google

Jones Ave. Conservation 600 m Land

3/4 mile

aqua River

DISCUSSION & NEXT STEPS

- Have we identified promising Topics and Strategies? How about: 0
 - Regional trips originating/ending outside of Portsmouth?
 - Other modes: air, rail, maritime?
- Next steps? 0
 - Input to BrightAction platform
 - Ongoing support for CAP community engagement
 - Continue to share ideas and build support for CAP going forward
 - Expand involvement of stakeholders and partners
 - Identify funding sources for strategies
 - Implementation!
 - How to stay going forward? Follow-ups?
 - A Community of Practice?

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