

**CITY OF SOUTH PORTLAND, MAINE
SOUTH PORTLAND ENERGY & RECYCLING COMMITTEE**

**Meeting Agenda
January 6, 2016
So. Portland Community Center
Administrative Conference Room**

Call to order - 6:30 pm - 9:00 pm

Committee

- Bob Foster - At Large (Beecher) Chair - **Present**
- Clyde Barr - At Large (Beecher) - **Absent**
- Jessica Williams - At Large (Blake) Secretary - **Present**
- Gregory Norton - At Large (Blake) - **Present**
- Rita Thompson - District 1 - **Present**
- Rich Crowley - District 1 - **Present**
- Vacant - District 2
- Melinda Timpf - District 2 - **Present**
- Vacant - District 3
- William Fritzmeier - District 3 - **Present**
- Eric Knutsen - District 4 Vice Chair - **Absent**
- Patrick Cyr - District 4 - **Present**
- Vacant - District 5
- Andrew Snyder - District 5 - **Present**
- Julie Rosenbach - City Liaison - **Present**
- Vacant - School Department Liaison

Brian Storming - Community Energy Strategy/Climate Action Plan (CAP)

The Goal of this workshop will be to develop recommendations that the City of South Portland (and its committees) can pursue to reduce greenhouse gas emissions and transition to alternative, sustainable energy.

Recommendations may target municipal operations, businesses, residents, and larger community/regional level projects through education & engagement, data, actions, policies, projects, etc.

Using these recommendations, the committee will update the current CAP and start to draft Phases 2 and 3 of the CAP which address opportunities in the Commercial/Industrial and Residential sectors respectively, to reduce greenhouse gas emissions (GHG) in South Portland.

Sometime in the next 3 months, approximately, the Committee will make a presentation to City Council, outlining

- status of actions from the Municipal CAP
- proposed next steps for the Municipal CAP
- overview of updated GHG Emissions Inventory

CITY OF SOUTH PORTLAND, MAINE
SOUTH PORTLAND ENERGY & RECYCLING COMMITTEE

The Committee decided that developing a Community Energy Strategy for the City of South Portland is at this point, premature and that completing a comprehensive CAP for the City should be the priority. This brainstorming session is the beginning of a multistep process to produce the comprehensive CAP for South Portland.

Ideas focus on **buildings and transportation** under the 2 main headings: Municipal and Community, where community refers to the commercial, industrial and residential sectors.

Municipal

Buildings

1. Renewable Energy
 - a) Solar farm at landfill – for electricity generation
 - b) Turbines in water system – urban micro-hydro
 - c) Methane capture at wastewater treatment plant for heating
2. Lighting
 - a) Convert Street lights to LED
 - b) Convert interior & exterior lighting to LED
3. Building Standards
 - a) Renovation and construction standards that specify best practices for all related efficiency measures
 - b) Build to accommodate solar (roofing, etc.)
 - c) Windows
 - d) Passive heating and cooling
 - I. green roofs and trees for shade
 - II. building orientation, etc. for optimal passive heating and cooling
4. Energy Efficiency Advising/Outreach/Education
 - a) Energy Challenges
5. Building Energy Audits
 - a) Complete retro commission for 2-3 buildings/year for example
 - b) Efficiency Maine Large Customer Program
6. Develop Energy Management Plan
 - a) Controls and Temperature set points
 - b) Programmable thermostats
 - c) Behavior change
7. City Pool
 - a) Cover – grant?
 - b) Variable speed drives for water pumps
8. Financing/Funding for CAP related actions, programs, etc.
9. District Energy – more research needed; possibility for Mill Creek redevelopment plan?

Transportation

1. Municipal Vehicles

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SOUTH PORTLAND ENERGY & RECYCLING COMMITTEE**

- a) Reduce Car and Truck Idling
 - I. review and enforce existing ordinance
 - II. Increase/Improve signage
 - III. Public works vehicles
 - IV. School buses
- b) More electric vehicles for municipal fleet
- 2. Fuel alternatives for City buses
 - a) Electric buses?
- 3. Transportation challenges

Community

Buildings

- 1. Renewable Energy
 - a) Bulk solar buying program (Solarize)
 - b) Can the City provide land for community solar
 - c) Utility pole solar panels – related to distribution losses (research further)
- 2. Energy Challenges
 - a) Partner with CMP and data already available through CMP’s Energy Manager, to track and report electricity usage on a street by street or neighborhood basis (if possible)
- 3. Building Standards
 - a) Renovation and construction standards that specify best practices for all related efficiency measures
 - b) Build to accommodate solar (roofing, etc.)
 - c) Windows
 - d) Passive heating and cooling
 - I. green roofs and trees for shade
 - II. building orientation, etc. for optimal passive heating and cooling
- 4. Energy Efficiency Advising
 - a) For homeowners and renters
 - I. Identify Partners for outreach/education/funding
 - a. CMP
 - b. SMCC Sustainability Center
 - c. Efficiency Maine
 - d. Maine Partners for Cool Communities (Green Sneakers Program)
 - II. Develop education and outreach programs
 - a. Energy efficiency and weatherization workshops
 - b. Fairs & events
 - c. Energy challenges
 - d. ERC to continue & expand newsletter/Sentry article efforts
 - b) For Commercial and Industrial landlords and landlords of smaller rental properties
 - I. Identify partners for outreach/education/funding

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SOUTH PORTLAND ENERGY & RECYCLING COMMITTEE**

- a. Maine Landlords Association to identify barriers to efficiency measures
 - b. CMP
 - c. SMCC Sustainability Center
 - d. Efficiency Maine
 - i. Large Customer Program
- II. Develop education and outreach programs
- a. Energy Efficiency and Weatherization workshops
5. Financing/funding sources for any projects or programs related to CAP
- a) Small Business revolving loan fund
 - b) On-bill financing for renewables and energy efficient retrofits – Is this even possible?
 - c) Climate Action Tax – tax on electricity use to fund renewables
 - d) PACE-for residential and business
6. District Energy – (need further research)

Transportation

- 1. Car and truck idling
 - a) Increase/redesign signage
- 2. Transportation Challenges
- 3. Make biofuels available at new Irving Station
- 4. Increase bicycle lane connectivity
- 5. Develop program to provide free bikes in exchange for community service

Meeting Adjourned 9:00pm