

CITY OF PORTLAND, MAINE

Standing Committee on Sustainability and Transportation
Councilor Andrew Zarro, District 4, Chair
Councilor Roberto Rodriguez, At-Large
Councilor Victoria Pelletier, District 2

Agenda
May 11, 2022
5:00 PM

The Sustainability and Transportation Committee will conduct this meeting remotely via Zoom pursuant to the Remote Meeting Policy adopted by the Portland City Council. Allow your computer to install the free Zoom app to get the best meeting experience. A recording will be available in the [Agenda Center](#) following the meeting.

Please click the link below to join the meeting:

<https://portlandmaine-gov.zoom.us/j/88026724674?pwd=UWRrdjRHVEVWWFZldEV0V2FiZlBFQT09>

Passcode: 177480

Or One tap mobile :

US: +13017158592,,88026724674#,,, *177480# or +13126266799,,88026724674#,,, *177480#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 301 715 8592 or +1 312 626 6799 or +1 929 205 6099 or +1 253 215 8782 or +1 346 248 7799 or +1 669 900 6833

Webinar ID: 880 2672 4674

Passcode: 177480

International numbers available: <https://portlandmaine-gov.zoom.us/u/kcIJBo1r4>

For public comment via Zoom, you will need to use the "raise your hand" feature. To raise your hand via the telephone, please hit *9. You will be unmuted by the host when it is time for public comment.

1. Review and approve minutes from April 27
 - a. April 27 Minutes
2. Sustainability Program Updates
 - a. May 11 Updates
3. Presentation and Discussion
 - a. Portland Harbor Commons Update
Presenters: Nan Cumming, Dick Barringer
No public comment will be taken
 - b. Informational presentation by Cruise Lines International Association regarding environmental efforts of the cruise ship industry.
Presenters: Maureen Hayes and others
No public comment will be taken

4. Other Business

CITY OF PORTLAND, MAINE
Committee on Sustainability and Transportation
Councilor Andrew Zarro (D4), Chair
Councilor Victoria Pelletier (D2)
Councilor Roberto Rodriguez (At-Large)

Draft Minutes April 27, 2022

Members Present: Councilor Zarro, Councilor Pelletier, Councilor Rodriguez

Staff Present: Troy Moon

Guests: Mayor Snyder, Councilor Fournier, Peter Dugas, Tony Donovan

Meeting called to order.

April 13 Minutes

Councilor Rodriguez moves to approve the January meeting minutes. Councilor Pelletier seconds the motion. April 13 minutes passed unanimously, 3-0.

Sustainability Update

Presented by Troy Moon

Community composting drop off program is expanding and Channel 6 news covered the story as well. In the beginning of June, we will add drop off locations at Payson Park, Brentwood Garden, and Riverton Garden. We have reached out to Catholic Charities for translation services and plan to have translated signs available when the new sites get established. Our RFP for a curbside collection partner opened this afternoon. Our grant application to the State's Community Resilience Partnership was successful. We will be receiving \$50,000 to hire a consultant to help us create the Climate Resilience Overlay Zones recommended in One Climate Future.

Committee Comment on Sustainability Update

Councilor Zarro reiterates how important the Resilience Overlay Zones will be in moving forward with climate resilience in Portland.

Resolution Supporting Rapid Transit

Presented by Councilor Zarro

Councilor Zarro and staff drafted a resolution supporting GPCOG's rapid transit study and requesting the Maine Turnpike Authority and GPCOG fully evaluate the climate impacts of the proposed South Portland/Gorham Connector.

Public Comment on Resolution Supporting Rapid Transit

Ken Capron opposes endorsement of Rapid Transit study.

Amon Dunden speaks in support of the resolution and notes it is in PACTs long term plans.

Tony Donovan notes concern in the concept of a fixed guideway system because it cannot be a road. Include the existing railroad as a fixed guideway system and prevent use of corridors from being paved over for buses.

William of Portland asks for more information about the study.

Councilor Comment on Resolution Supporting Rapid Transit

Councilor Pelletier notes hope that MTA will align with Maine Wont Wait and GPCOG will expand the scope to make space for climate impacts.

Councilor Rodriguez supports adding the language regarding the Gorham Connector and expresses support for the resolution.

Councilor Zarro supports moving the resolution on to the Council to move forward.

Approval of Resolution Supporting Rapid Transit

Councilor Rodriguez moves to approve the Resolution Supporting Rapid Transit. Councilor Pelletier seconds. Motion passes unanimously, 3-0.

Informational presentation regarding ideas for passenger rail service between Portland and Lewiston

Presented by Tony Donovan

Tony is seeking a recommendation from the Council to perform a high level conceptual evaluation of a potential rail transit link to a future terminal at the Ocean Gate terminal in Portland. The presenter is the Maine Rail Transit Coalition Director, Tony Donovan. Tony showed examples of trains used in the US. The MRTC is looking to bring the PopUp Metro's Battery-Electric Train to Maine. The proposed plan would connect Portland with Downtown Lewiston/Auburn. The MRTC asks for an analysis similar to one completed for Westbrook. MRTC is looking for Maine state government support for, and investment in the SLR for a passenger train demonstration project.

Councilor Comment on Informational presentation regarding ideas for passenger rail service between Portland and Lewiston

Councilor Pelletier asks about conversations held with the Rioux Institute. *The Rioux Institute is not interested in the project.*

Councilor Fournier asks about the report from LD 991 passed last legislative session that dealt with the feasibility study of the rail. Amended version removed the oceanfront rail. *It is underway, being completed by Lewiston. It is not the project being discussed during this meeting.* Councilor Fournier asks about the advisory group put together to advise that study and what is the cost of this study? *The Westbrook study was \$50k with \$10k coming from a private investor.*

Mayor Snyder notes Portland and Lewiston contributed \$10k each to the study being noted in LD991. The City has put support into the study into rail through LD 991.

Councilor Zarro notes next steps would be to review findings from the study currently underway.

En-Roads Climate Modeling Demonstration

Presented by Peter Dugas

En-Roads climate simulator was developed by MIT Sloan Sustainability Initiative which allows users to explore the impact of roughly 30 policies - such as electrifying transport, pricing carbon, and improving agricultural practices - on hundreds of factors like energy prices, temperature, air quality, and sea level rise. For example, moving away from coal and phasing out by 2100 resulted in a .2 celsius reduction in temperature increase by 2100. Highly incentivizing electrification of transportation without also greening the electric grid resulted in only a .1 celsius reduction.

Carbon pricing is one of the strategies with the most significant opportunity for emissions reductions and is highly supported in Portland and nationally. The IPCC names carbon pricing as being necessary for addressing climate change. British Columbia implemented a revenue-neutral carbon fee and dividend system in 2008 and all of Canada has now adopted the same policy.

This platform is free to use and available to everyone to see how addressing climate change involves many different strategies working together. Local action needs to be taken as well as national action.

Councilor Comment on En-Roads Climate Modeling Demonstration

Councilors are thankful for the informative presentation and express support for the En-Roads platform.

Councilor Rodriguez motions to adjourn the meeting. Meeting Adjourned.



CITY OF PORTLAND

Sustainability Office

Troy Moon

Sustainability Director

Sustainability Updates

May 11, 2022

Waste Reduction

Our RFP for a curbside collection partner has closed. Garbage to Garden was the only bidder. Staff are currently reviewing the proposal and will begin discussions with them about it next week.

We have gotten the compost signs translated and will have versions of the sign in Arabic, Portuguese, Spanish, and French. Example attached.

Education and Outreach:

On May 3 we collaborated with Electrify Everything! partner ReVision Energy to co-host a webinar about community solar options for residents who can't use their roof for solar panels but want to go solar.

On May 5 we visited King Middle School and talked about One Climate Future with 6th graders. They were very knowledgeable about climate change and asked great questions.

On May 6, Troy was the guest speaker for Portland Rotary and spoke about One Climate Future and Electrify Everything!

Climate and Coffee events are community conversations that happen on the 2nd Friday of the month at 9 AM. We record sessions with guest speakers and post them on www.oneclimatefuture.org, along with other information about our work. The next Coffee and Climate will be held on May 13th and the topic is Food Waste.

You can also follow us on social media. Instagram @sustainableportlandme / Twitter @SustainPortME / FB @SustainablePortlandME



Compostagem Orgânica de Portland



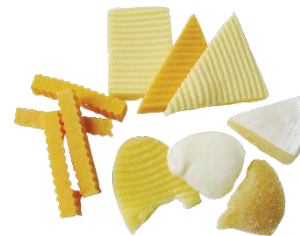
SIM Pode Compostar



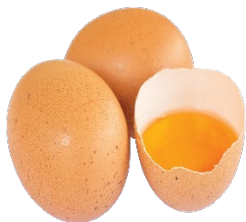
Vegetais e Restos de Frutas



Carne e Ossos



Laticínios



Ovos



Frutos do Mar



Flores



Restos



Grãos de Café

NÃO Não Pode Compostar



Copos e Canudos



Copos de Café



Sacolas Plásticas



Material Descartável (mesmo biodegradável)



Resíduos de PET



Papéis e Embalagens



Garrafas Plásticas



Potes de Embalagens para Viagem

Cidade de Portland
Escritório de Sustentabilidade
207-756-8362
sustainability@portlandmaine.gov

Como utilizar o Local de Compostagem:

- Coloque os restos em recipiente hermético
- Esvazie o conteúdo no carrinho de coleta
- Lave o recipiente e repita o processo!

Mais informações:
www.portlandmaine.gov/sustainability



AGENDA

- Introductions
- Phase 1 Site
- Phase 1 Diagram
- Planning Precedents
- Q&A

Portland Harbor Common Park Phase I



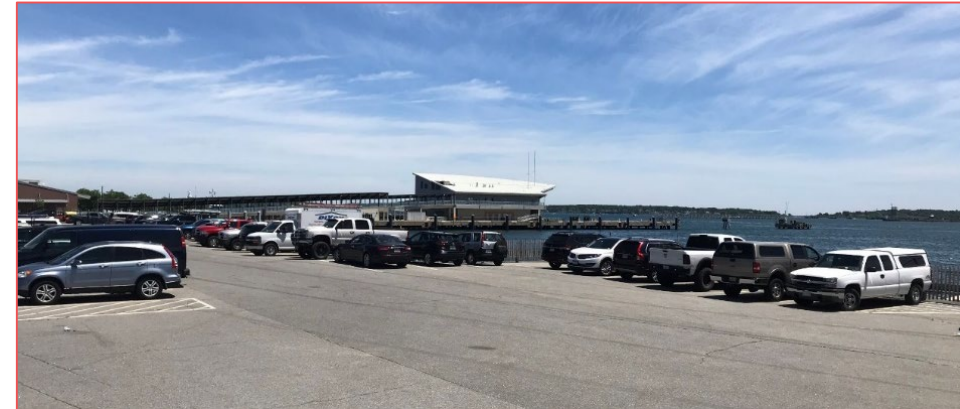
*Housing and Economic Development Committee Presentation
February 15, 2022*

PARKS CONSERVANCY

PORTLAND PARKS
CONSERVANCY

2030 2017

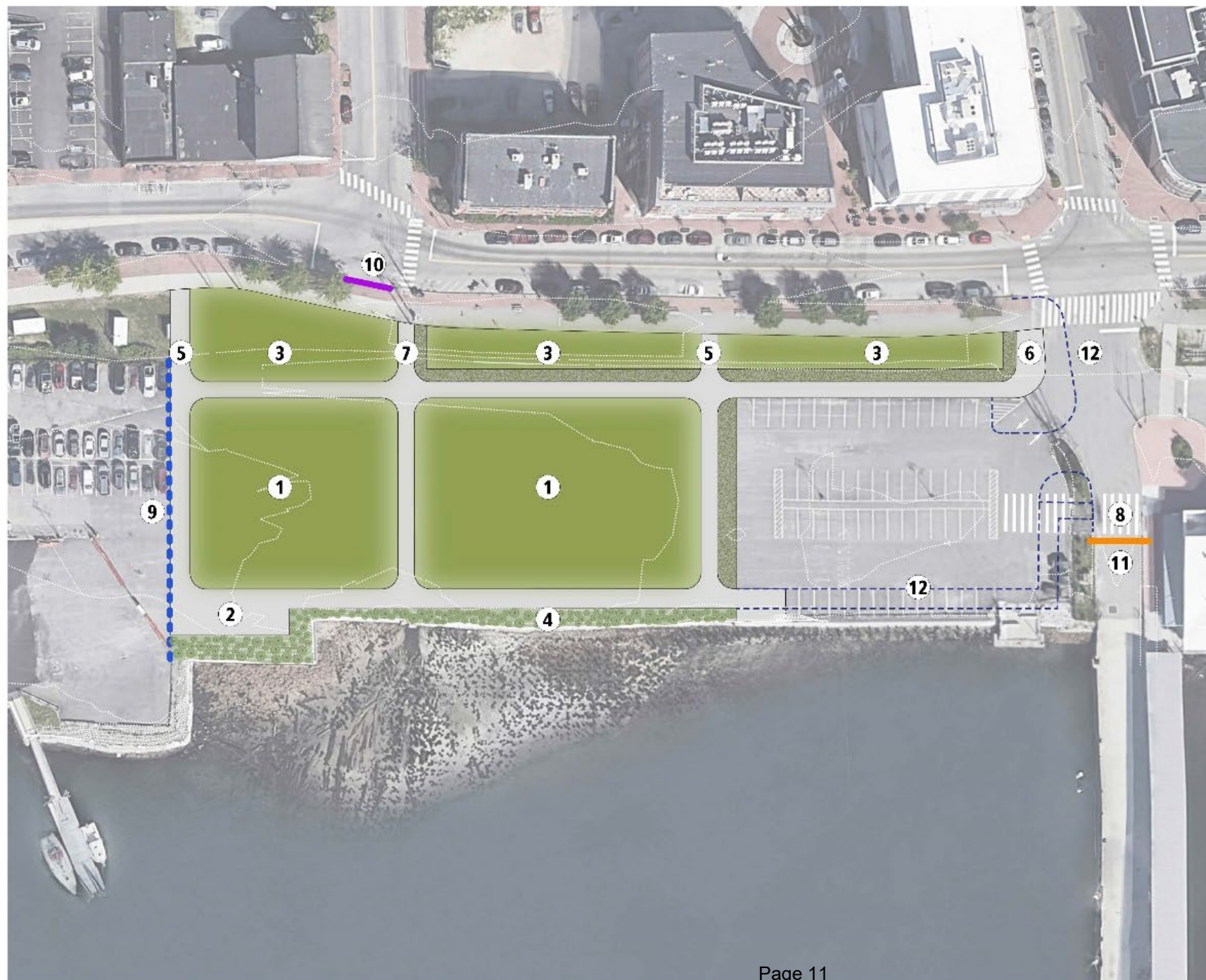




Existing Photos

Portland Harbor Commons Phase 1 Diagram

May 3, 2021



1. Lawn Panel
2. Paved Overlook
3. Expanded Lawn Area
4. Remove Fence and Install Native Plant Buffer
5. Intermediary Connector
6. Hancock Street Connector
7. India Street Connector
8. Crossing to Ocean Gateway
9. Fence
10. Replace Curb
11. Relocate Service Gate
12. Intersection Improvements and Ocean Gateway Access



0 30 60 90 120

Richard Barringer Emeritus Professor at Muskie
School of Public Service at JSM

Patrick Costin Canal 5 Studio

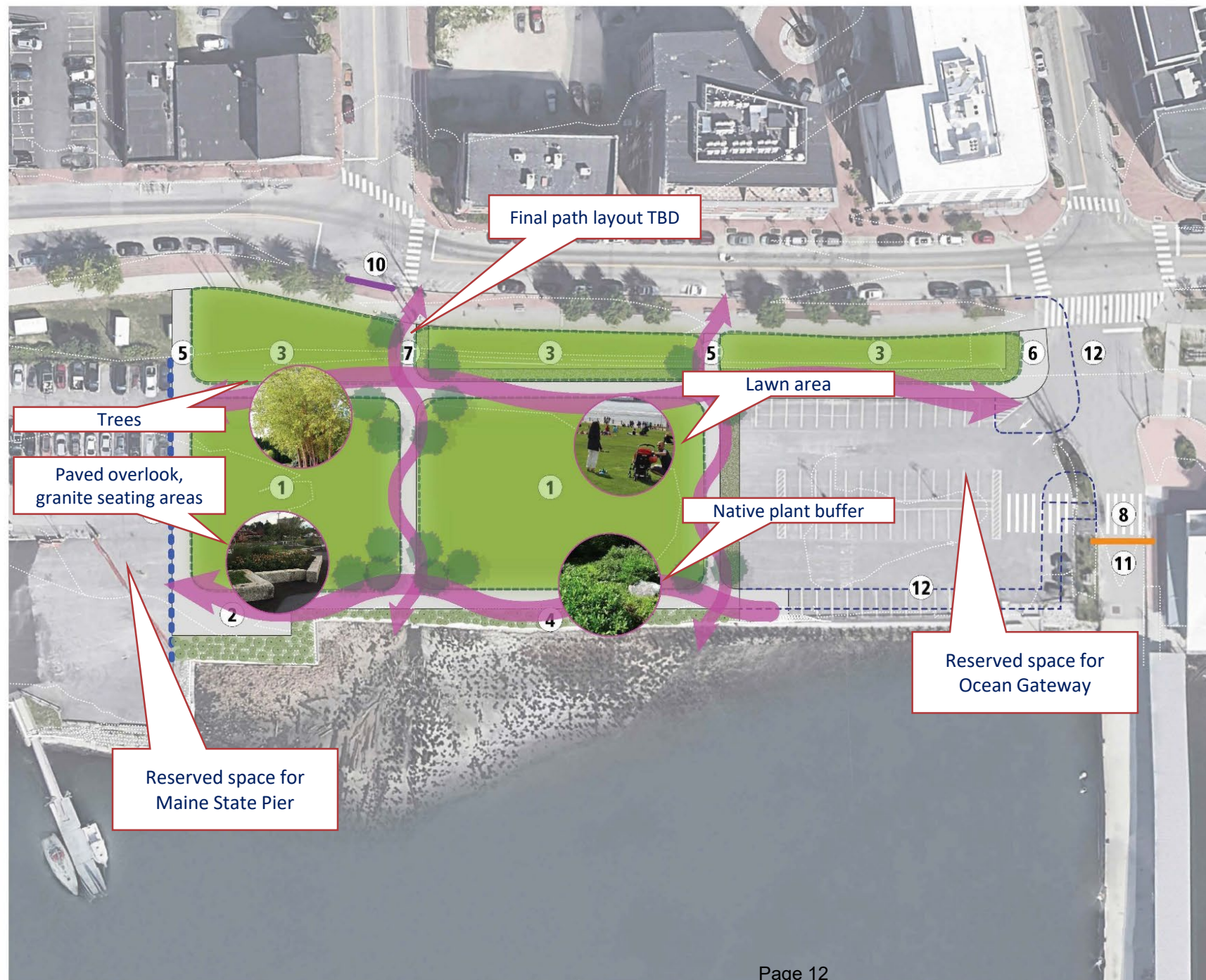
Michael Boucher mbia

Amy Magida mbia

Barry Sheff Woodard & Curran

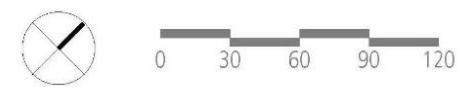
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DRAFT



Richard Barringer Emeritus Professor at Muskie
School of Public Service at USM
Patrick Costin Canal 5 Studio
Michael Boucher mbla
Amy Magida mbla
Barry Sheff Woodard & Curran

PARK PRECEDENT

AMETHYST LOT

2030
2017



Before Photo



PARK PRECEDENT



A light gray background map of Hong Kong, showing the main island and surrounding islands. The map includes a detailed street network and a central white area representing Victoria Harbour. The text "QUESTIONS & ANSWERS" is overlaid in red. At the top center, the years "2030" and "2017" are printed vertically. At the bottom center, the text "Page 15" is visible.

QUESTIONS & ANSWERS



<https://www.evgo.com/cities/>

Portland Sustainability Committee Meeting

Maureen Hayes
Maritime Policy
Cruise Lines International Association

May 11, 2022

Discussion Points

Environmental Sustainability Initiatives

Emission Control Areas (ECAs)

Fuel Comparison

Exhaust Gas Cleaning Systems Overview

Scientific Studies on Exhaust Gas Cleaning Systems

Ongoing IMO Initiatives

Environmental Commitments

CLIA Environmental Report and Annual Environmental Technologies and Practices Grid

Emission Control Areas (ECAs)



Exhaust Gas Cleaning Association

Fuel Comparison

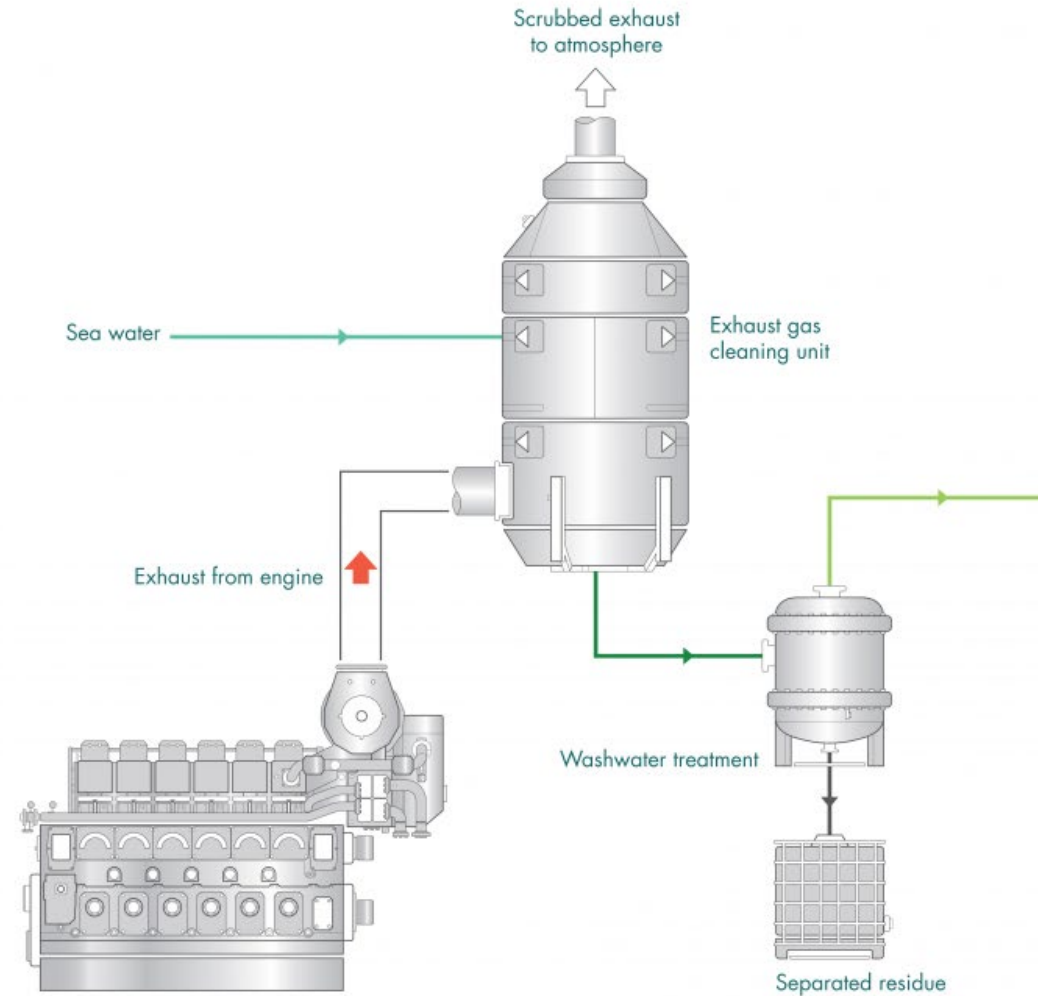
Fuel	Max Sulphur Content	Typical Sulphur Content	Other Consituents	Use
HFO	3.5%	0.2% to 3.5%	Ashes, Metals, PAHs	Not used withut EGCS
HFO with EGCS	0.1% ECA, 0.5% Global	0.06% ECA, 0.3% Global	Ashes, Metals, PAHs	ECA's or Global Areas
MGO	0.1% ECA	0.07%	Metals, PAH's	Primarily ECA's

76% GLOBAL CAPACITY

utilizes EGCS to meet or exceed air
emissions requirements (an increase of 7
percentage points over 2020)

Although cruise ships comprise less than 1% of the global maritime community, the cruise industry is at the forefront of the development of innovative technologies and practices to reduce emissions and protect the environment.

Exhaust Gas Cleaning System Basic Components



Exhaust Gas Cleaning Association

Studies

CE Delft:

“The impacts of ECGSA washwater discharges on port water and sediment” (2019)

“Comparison of CO2 Emissions of Marine Fuels” (2020)

DNV GL:

“Assessment of Lab Samples of EGCS Washwater” (2019)

Japanese Ministry of Land, Infrastructure, Transport, and Tourism:

“Environmental Impact Assessment of EGCS Discharge Water” (2019)

Danish Hydraulic Institute:

“Eco-Toxicity and Risk Assessment of EGCS Washwater” (2021)

CLIA Industry-Level Proposals / Commitments

CLIA supports the proposal for a \$5 billion IMO R&D fund to accelerate the development of zero carbon fuels & propulsion technologies

CLIA fleet-wide commitment to reduce the rate of carbon emissions by 40% by 2030

CLIA Members will pursue net carbon neutral cruising by 2050

8

IMO Initiatives

Marine Environment Protection Committee (MEPC)

- Global Market-Based Measure(s)
- Strengthening GHG Reduction Targets
- Research and Development for Zero Carbon Fuels and Propulsion

Pollution, Prevention and Response Sub-Committee (PPR)

- EGCS Wash Water Discharge Guidance
- Biofouling Guideline Revisions
- Sewage Guideline Revisions

Environmental Commitments

CLIA ocean-going members have committed to pursue net-zero carbon cruising by 2050.

By 2035, all ships calling at ports where shoreside electricity (SSE) is available will be equipped to use SSE, allowing engines to be switched off and effectively eliminating carbon emissions while berthed at port. Where shoreside power is not available, the ships will use available alternative low carbon technologies required by ports.

In addition, CLIA will join, as a supporting organization, the Global Maritime Forum Call to Action for Shipping Decarbonization to make zero emission vessels and fuels the default choice by 2030.

Environmental Innovation & Performance

SHORESIDE POWER CAPABILITY

Cruise ships may operate on shoreside electricity at 1) ports worldwide, reducing overall emissions while at port.

35% GLOBAL CAPACITY

are fitted to operate on shoreside
(an increase of 2.5 percentage points
over 2020)

22% ADDITIONAL CAPACITY

to be retrofitted with shoreside
electricity systems

82% NEW SHIPS

on order will be fitted with



Data as of 2021-09-01
<https://cruising.org/en-gb/Environmental-Sustainability>

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