



# *JBNA ZOOM discussion*

*Wednesday, December 9<sup>th</sup>, 2020*

- ✧ Welcome & Program
- ✧ Correspondence & Announcements
- ✧ Rethink before Restart
- ✧ Community Voices ?

## *Review principles*

- ~ Identify info gaps
- ~ Resident needs
- ~ Create "Ask"



participating in GCAN,  
the Network



Cruise tourism after COVID-19  
Challenges and Community Needs  
... are there solutions ??

- rethink before restart
- overtourism ?
- emissions ?
- lands transportation ?
- foreign waste ?

James Bay Neighbourhood Association

## Cruise Ships & Covid-19

"Cruise ship travel exacerbates the global spread of Covid-19 and ... cruise ship travel markedly increases the risk and impact of the Covid-19 disease outbreak within the United States."

—**Robert R. Redfield**

Director, United States Centers for Disease Control

"People on a large ship, all together, at the same time, all the time — you couldn't ask for a better incubator for infection."

— **Dr. Anthony S. Fauci**

Director, National Institute of Allergy and Infectious Diseases

Investigative reports in the *Wall Street Journal*, *Washington Post*, and *Miami Herald*, have found that Cruise ships played a major role in the spread of the Covid-19 pandemic.

**Carnival Cruise Lines is under investigation for homicide in Australia** for failure to follow long-established public-health protocols and sparking an epidemic that forced closures of two local hospitals.

**Carnival Cruise Lines is under investigation by the United States House** Committee on Transportation and Infrastructure for its failure to manage, contain, and respond to Covid-19.

# COVID-19

Opportunity  
to hit the  
reset button

Cruise industry  
is powerful and  
wealthy

Small window  
of opportunity



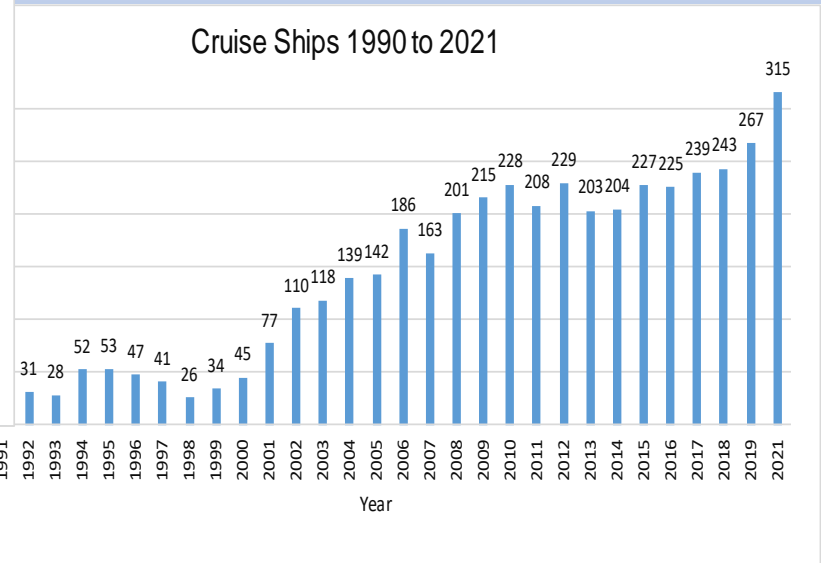
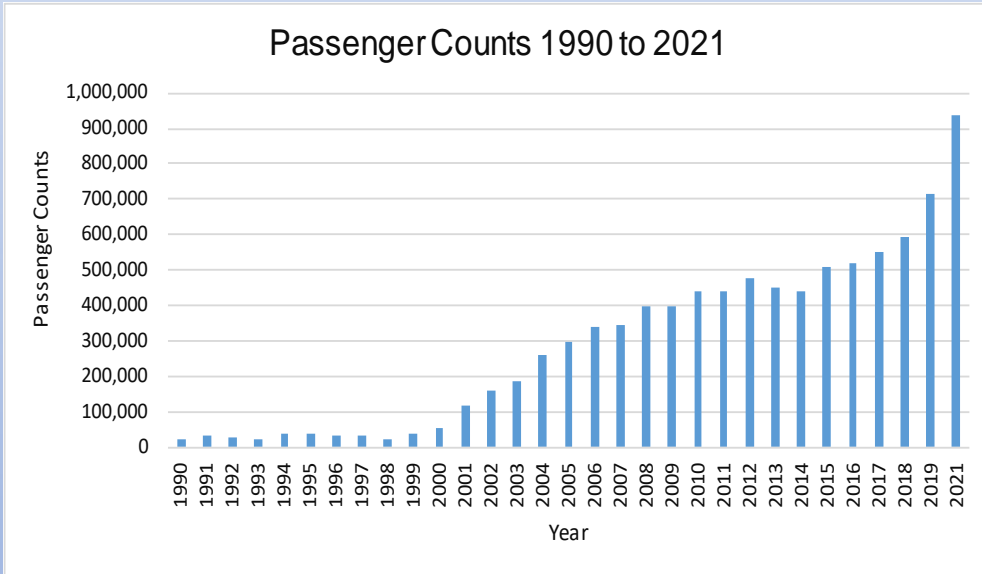
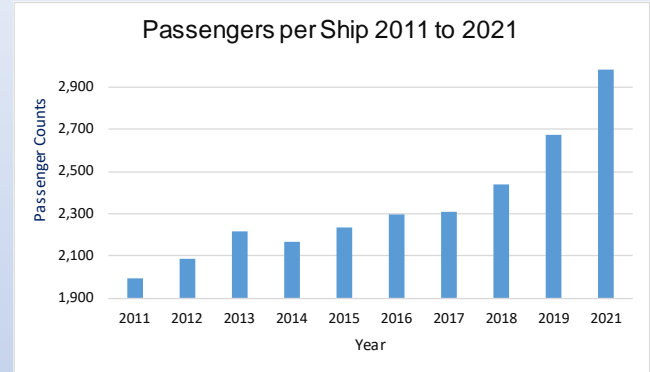
1. Self-determination of communities
  2. Economic impacts
  3. Cultural impacts
  4. Labor
  5. Climate Change
  6. Air Pollution
  7. Water Pollution
  8. Monitoring & Transparency
  9. Environment & Biodiversity
  10. Public Health
  11. Crime Victims
  12. Worker Repatriation
- 

Principles  
of  
Responsible  
Cruise  
Tourism

*growth 1990-2021*

*larger ships, more ships, and more people*

Seattle –  
new dock??





# *Discussion forum review*

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## ***Impacts and responsible organizations and your ask***

Cruise lines = Polluter/Industry

GVHA = Landlord (contractual power)  
monitoring

City of Victoria = regulatory (zoning and emissions monitoring))  
= permitting  
= city infrastructure

CRD = Hartland (garbage)

Can+BC Environ = Air shed monitoring

BC Gov't = health  
= taxation (carbon and recyclables)

Transport Can = International waters and international agreements

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**#3 Cultural & Quality of Life Impacts:**  
**Adopt a policy of “do no harm” to retain and enhance cruise port communities’ cultural identity, distinctive character, and quality of life.**

(3.2) Demonstrate respect for the lives and livelihoods of the people most directly affected by cruise ship pollution and over-tourism, even if it requires fewer and smaller ships with fewer passengers.

(3.54) In ports of call, stagger arrival and departure times with other cruise ships to prevent land transportation surges and limit traffic so as to not overwhelm the local community with noise and congestion impacts.

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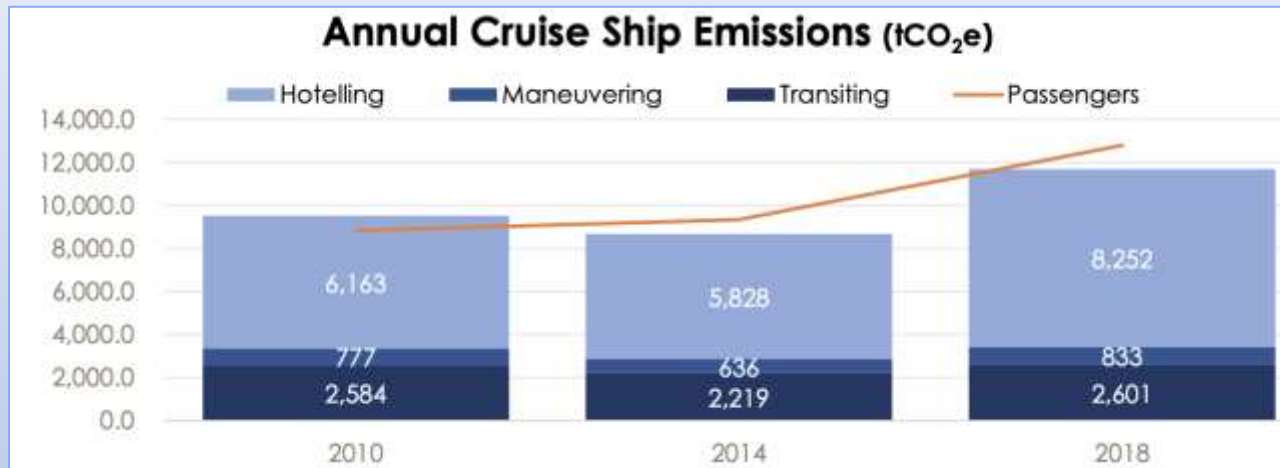
## **#6 Air Pollution: Stop polluting the air.**

(6.1) Publicly commit to 100% shore power by 2025. (6.2) Lead in the development of a universal shore power system. (6.3) Retrofit ships for shore power, and immediately require all ships to use shore power where it is available. (6.4) Pay 100% of the costs of shore power infrastructure in all ports of call by 2025. Do not ask, solicit or lobby for taxpayer subsidies.

## **#8 Monitoring & Transparency: Publicly disclose your performance**

(8.1) Install additional continuous monitoring equipment for monitoring air emissions, including but not limited to  $\text{NO}_x$ ,  $\text{SO}_x$ , particulate matter (nano, ultrafine, fine, and coarse), and  $\text{CO}_2$ . (8.2) Publicly report the data from all air emission and effluent discharge monitoring equipment, including the location and volume of discharges and all other data, in real time to a publicly available website.

# GVHA and CoV emissions estimates:



Synergy report (p.3) speaks of “cruise and other tenant emissions”  
And “tenants”  
hoteling

## 2018 emissions:

Cruise-ships ~ 12,000 tCO<sub>2</sub>e  
increase **34%** since 2014

“hoteling” ~ 8,252 tCO<sub>2</sub>e

vs

CoV Community 358,000 tCO<sub>2</sub>e



# Discussion forum review

## cold ironing – shore power - conditions to make it real

### Shore power

Since 2009, shore power installations for cruise ships at the Port of Vancouver have eliminated 582 tonnes of air pollutants and 20,757 tonnes of greenhouse gases. Shore power, cold ironing or alternative marine power, is a clean technology that enables ships fitted with the necessary technical apparatus to shut down auxiliary engines and connect to hydroelectric power while at berth, thereby virtually eliminating related air emissions and engine noise.

Port of Vancouver annual cruise ship shore power results

Results	2018	2017	2016	2015	2014	2013	2012	2011	2010
<b>Successful connections</b>	63	54	54	77	76	82	60	35	44
<b>Shore-power-capable ships</b>	91	68	70	92	98	106	74	58	58
<b>Fuel savings (tonnes)</b>	792	671	689	885	841	978	725	424	476
<b>Net greenhouse gas emission reductions (tCO<sub>2</sub>e)</b>	2516	2,126	2,185	2,811	2,656	3,092	2,266	1,318	1,521
<b>Criteria air contaminants reduced (tonnes)</b>	59	50	51	66	78	91	80	47	54

Vancouver:

2018 - 243 visits

91 capable (37%)

62 connected

70% capable connected

**26% visits connected**

2015

84% capable connected

2013

77% capable connected

### Conditions:

- 6-10 hour or longer stays
- stagger arrivals/departures to facilitate hook-ups
- industry pay/install
- industry use
- max 2 ships to facilitate hook-up

# *Discussion forum review*

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## ***Emissions: new studies***

### **Study calls for ban and phasing out of scrubbers to protect the oceans**

A study commissioned by the Canadian Government is recommending individual governments, including Canada, take unilateral action to restrict or prohibit scrubber discharges from both open-loop and closed-loop systems.

The [report](#) comes from the International Council on Clean Transportation, and claims that ships fitted with scrubbers were not effectively meeting the global fuel standard. Findings indicate that scrubbers are harmful to both the air and the sea. Although scrubber discharges usually comply with IMO guidelines, the study indicates that compliance does not guarantee that scrubber discharges are safe.

### **Shipping-related particulate matter air pollution – source-specific effects on bronchial epithelial cells**

V, Ni concerns . . . Notably, cruise ship-associated UFPM elicited greater inflammatory mediator release than PM from other sites.

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**GLOBAL CRUISE / ACTIVIST NETWORK**

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**#9 Environment  
& Biodiversity:  
Respect the  
integrity of  
vulnerable  
ecosystems and  
protected areas.**

(9.3) Garbage and recycling should be processed in the port of origin. Disposal of waste products, including garbage, recyclables, and industrial waste should be processed in the home port, and not dumped in ports of call.

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## #10 Public Health: Protect public health

(10.5) When an outbreak occurs, cease all travel immediately and inform local officials of the outbreak.

(10.6) Never, under any circumstances, contribute to the spread of an epidemic. Avoid the transmission of diseases to host communities.

(10.8) Provide a transparent public real-time reporting of infectious diseases identified among crew or passengers so residents of port communities know what is coming their way.

# *Discussion forum review*

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***Ships with COVID-19 on board.*** As of 2 May 2020, over 40 cruise ships have had confirmed positive cases of coronavirus on board. Many more since that date. . .

*World Dream*. *Diamond Princess* *Westerdam*. *Grand Princess*. *River Anuket*. *Costa Magica* *Braemar* *Costa Luminosa*. *Silver Explorer*. *Silver Shadow*. *Norwegian Bliss* *Norwegian Breakaway*. *Celebrity Solstice* *Ruby Princess* *MSC Bellissima* *Ovation of the Seas*<sup>[af]</sup> *Voyager of the Seas*<sup>[ag]</sup> *Costa Victoria* *Artania* *Celebrity Apex* *Costa Favolosa* *MSC Splendida* *Sun Princess* *Zaandam* and *Rotterdam* *Horizon* *Oasis of the Seas* *Liberty of the Seas* *Coral Princess* *Disney Wonder* *Greg Mortimer*. *Pride of America*. *Celebrity Flora* *Monarch* *Costa Atlantica* *MSC Seaview* *Mein Schiff3* *MSC Preziosa* *Seven Seas Navigator*. *Adventure of the Seas* *Mein Schiff 1* *Roald Amundsen* *Paul Gauguin* *SeaDream I*

*Sources: Wikipedia, CruiseJunkie*

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*Volunteers/writers?*

*Your other priorities ?*

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# Season's Greetings from the JBNA Board

