



**ASHRAE Halifax Chapter
GAC Presentation**

**Environment and Sustainability Standing
Committee - HRM**

June 02, 2022

ASHRAE Halifax Chapter – Halifax Roots



- Est. 1965
- 198 members across Nova Scotia and Newfoundland
- Hosted 7 Chapter Regional Conference in Halifax

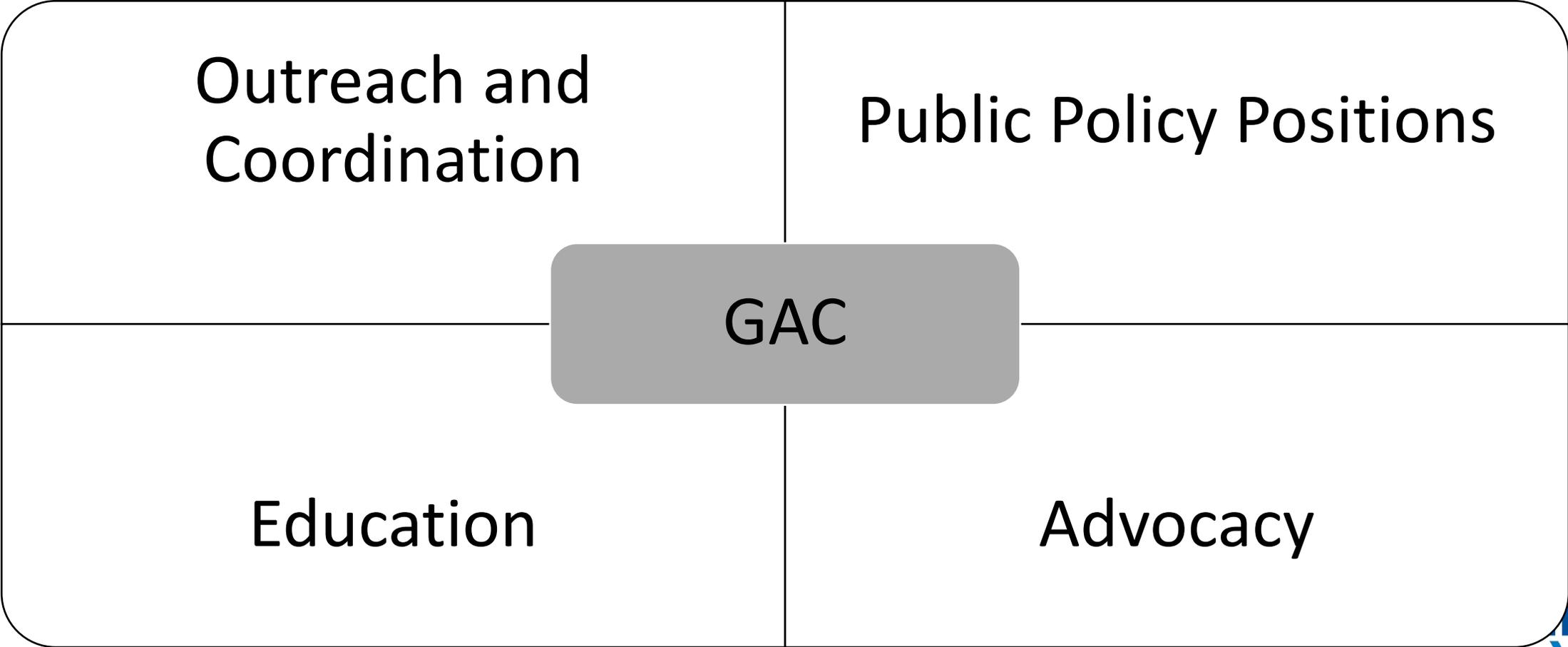


ASHRAE Halifax Chapter – Halifax Roots



- Monthly technical presentations, newsletter, and networking events
- Sustainability Project and Volunteer Day
- ASHRAE Halifax Student Branch
- Student Scholarships
- Raise approx. \$10,000 a year for ASHRAE's Research Proportion

ASHRAE Halifax Chapter – Government Affairs Committee



ASHRAE Halifax Chapter – GAC

Daniel
Bourque,
Halifax Chapter
President

Letter on COVID-19 Mitigation Strategies



February 23, 2022

ASHRAE is a global professional society of 50,000 members committed to serve humanity by advancing the arts and sciences of heating ventilation, air conditioning, refrigeration and their allied fields. We are writing to share COVID-19 mitigation strategies that are outlined in ASHRAE's official COVID-19 guidance documents which apply to a variety of building types, including schools. The guidance documents are available on the ASHRAE website at <http://ashrae.org/covid19>

Potential mitigation strategies and the accompanying sources (in brackets) are as follows:

- Upgrade air system filters with higher minimum efficiency reporting value (MERV) ratings. MERV-13 or better is suggested as a minimum target to remove airborne particles in recirculating systems, MERV-14 is preferred [1,2].
- Install in room air cleaners with high-efficiency particulate air (HEPA) filters [1,2,3,4]. HEPA filtration units within the space are recommended if MERV-13 filters cannot be installed due to HVAC system constraints [3].
- Provide and maintain at least the required minimum outdoor airflow rates for ventilation as specified by acceptable codes and standards [5]. HVAC system operation should be verified by commissioning [5].

Use of supplemental, in room air cleaners to remove airborne viral particles are supported by ASHRAE guidance if the primary ventilation system does not provide the suggested MERV-13 level of filtration or if the ventilation system's ability to mitigate viral particles has not been verified an measured through engineering analysis (such as commissioning). Only use air cleaners for which evidence of effectiveness and safety is clear – some air cleaners may create compounds which are harmful. [6]

ASHRAE and the ASHRAE Halifax Chapter do not provide engineering advice. These mitigation strategies should be reviewed with a practicing professional engineer with expertise in HVAC systems before considering implementation. There are over 190 ASHRAE members in the Halifax Chapter which includes Nova Scotia and Newfoundland and Labrador.

Please feel free to contact us with any questions.

Regards,

Daniel Bourque, P.Eng.



ASHRAE Halifax Chapter – Local Resource

David
Brushett

HRM's Efficiency
One OEM

May 03, 2022

Lunch and
Learn

**Halifax Regional
Municipality's Roadmap
to Net-Zero Corporate
Buildings**



ASHRAE Halifax Chapter – Local Resource

**Robert
Bean**

Lunch and
Learn

Indoor Environmental
Quality and Energy

ASHRAE DL

May 03,
2022

GAC
Committee
and HRCE

Indoor Environmental
Quality and Schools



ASHRAE Halifax Chapter – Local Resource

**Doug
Cochrane**

**Lunch and
Learn**

Cold Climate Design

ASHRAE DL

March 15 - 16,
2022

**Efficiency Nova
Scotia OEM
Network
Presentation**

**Building
Decarbonization**





Thank You!
Questions