

# PA Role in Helping Customers Meet Indoor Air Quality Standards

August 19, 2020

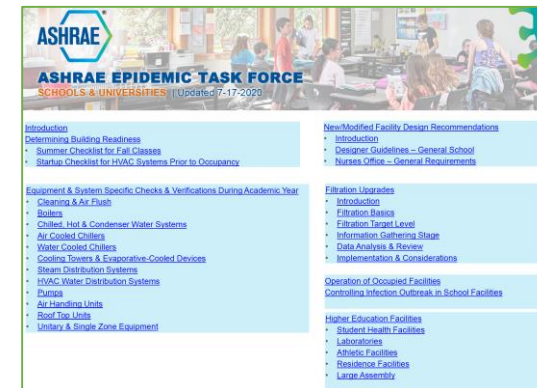
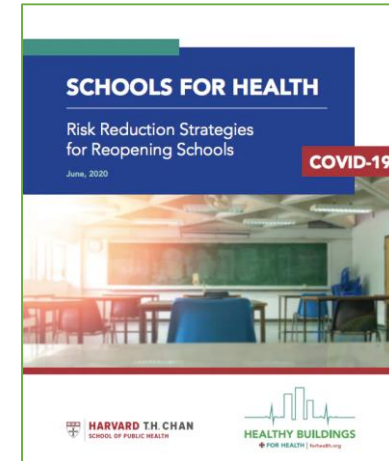
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# Background



- HVAC/IAQ a major area of concern and potential opportunity for mitigating COVID-19 risk
- Numerous resources/guidance from variety of sources – manufacturers, CDC, ASHRAE, Harvard, etc.
- Lack of sufficient resources/capacity within target market segments to identify and/or assess options
- Opportunity for PAs to assist key market segments (K-12 schools, senior living centers) to understand and prioritize the guidance and apply it in the most effective and energy efficient manner

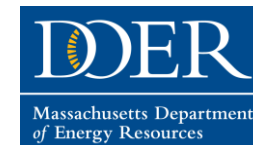


# PA Approach



## ■ PA role/scope

- Leverage position as trusted source of independent expertise and enabler of access to external funding sources
- Build on content / approaches taken in other jurisdictions (Efficiency Vermont, NYSERDA, etc.)
- Develop partnership/collaboration leveraging existing network and relationships (industry associations, government agencies, HVAC/IAQ/EE subject matter experts)
- HVAC/IAQ as a pathway to customer engagement on other EE opportunities



## ■ Out of scope

- Using electric or gas customer funds to support investments in HVAC/IAQ systems that do not produce cost-effective energy savings



Initial focus on K-12 education segment, ultimately look to replicate for senior living centers

- K-12 School Outreach and Education
  - Webinar/FAQs
  - HVAC/IAQ as a pathway to customer engagement on EE opportunities driven by increased load
- Measure Research
  - Identifying complementary EE opportunities/measures
    - Existing measures (e.g., ESPO) which are already incentivized under the existing EE portfolios that could offset some of the increased energy usage from COVID-19 mitigation strategies. Because these measures can be funded via EE, additional IAQ grant funding not needed.
    - Equipment that may have cost-effective high-efficiency versions available that can be funded through EE. Because these measures (e.g., portable/in-room air purifiers?) would be funded via EE, additional grant funding not needed.
    - Additional HVAC/IAQ measures that mitigate COVID-19 but have no energy efficiency benefits and thus cannot be funded through EE, but could be supported if/when grant money is available.
- Areas for Potential Additional Exploration
  - Externally funded use of existing PA / vendor capabilities to provide contact center support for schools and their HVAC/IAQ consultants/contractors
  - Bespoke “subprogram” or measure category if sufficient savings opportunities can be identified

## ■ Scope/Objective

- Educate/inform MA K-12 schools (administrators, school operators) and vendors about:
  - Official Guidance on HVAC/IAQ for K-12 Schools
    - Overview of salient aspects of existing, independent guidance for K-12 schools from CDC, ASHRAE, Harvard School of Public Health, etc. as it relates to HVAC/IAQ
  - Practical HVAC/IAQ Considerations when Re-opening and Operating K-12 Schools
    - Based on real-world experience from practitioners, what local schools should understand and consider about the broader guidance when applying it - talk to practical/actionable HVAC/IAQ interventions based on the expert/independent guidance
  - Energy Impacts and Energy Efficiency Opportunities
    - Likely impact (i.e., increase) on energy usage from the HVAC/IAQ interventions and what opportunities there are to mitigate some of those impacts – provide examples of available EE opportunities provided/supported by the Energy Efficiency Program Administrators
  - Actionable Next Steps
    - Provide examples of where to go for additional information & resources – EE/Program Administrators, state govt. funding, etc. – who to contact for what

## ■ Timeline

- Week of August 10 – Develop the collaboration/partnership structure and determine roles/responsibilities
- Week of August 17 – Develop content for and infrastructure to deliver the webinar
- Week of August 24 – Deliver the content/webinar (9-11am, Tuesday, August 25th)



# Thank you

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