



INTERNATIONAL ASSOCIATION OF  
**Heat & Frost Insulators  
& Allied Workers**

**Local 24**  
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### **2021 mech insulation tax credit bill - House**

Good Afternoon Madam Chair Kaiser, Vice Chair Washington, members of the committee, my name is Brian Cavey, I am Business Manager of Heat and Frost Insulators and Allied Workers Local 24. I am here on behalf of the 500 members of our local union, the energy conservation specialists. I am here in support of HB982.

#### **Talking Points**

- 10-30 % of all commercial building have damaged or missing insulation. These numbers are validated by the National Insulation Association. A national association of contractor, manufactures and suppliers in the insulation industry
- Mechanical Insulation, when 100% complete, reduces energy costs, energy usage and reduction of green-house gas emissions. Ultimately reducing the carbon footprint for energy sustainability for decades to come.
- The percentage of energy a building uses is exponentially greater than the percentage of damaged or missing insulation. Another words, missing 30 % of insulation may result in 50-70% of wasted energy and emissions. Missing a little means a lot.
- There is no formal inspection of mechanical insulation systems. Except one that is performed by a recognized mechanical insulation inspector as certified by the National Insulation Association
- Insulation of the building envelope does not include mechanical insulation. i.e. building inspection, building maintenance, engineering surveys, etc...do not look at mech insulation
- Mechanical Insulation offers an incredible "return on investment" with as little as 6 months for heated systems being fairly typical.
- Creation of work will require the need of an increased workforce which in turn creates not just jobs but it creates careers using a Maryland State Apprenticeship Council Registered Apprenticeship program.
  - I would like to tell you about an example of how mechanical insulation can help with making buildings more efficient:

At the Maritime Institute in Linthicum, we were asked to assist in solving a high heat problem around the kitchen and cafeteria area. A Labor Management team consisting of a management representative from a signatory contractor and myself visited the site and performed a heat loss analysis. The temperature in the small equipment room was around 140 deg. F. After the installation of mechanical insulation on bare steam pipe, valves, and flanges along with various heat exchangers and hot water systems the temperature in the room was reduced to below 98 deg. F producing a savings of approximately \$3021 per year and reducing carbon emissions by 3.712 MT. While we used the insulation application as training during apprenticeship school and had the insulation materials donated by local suppliers, the cost of application and material was approximately \$2500 with a approximate return on investment of 7 months.

I urge a favorable vote on this legislation