



Subsection (h) under the American Innovation and Manufacturing (AIM) Act

April 12, 2023

Agenda



- Welcome and Introductions
- GreenChill Program Overview and Information
- Today's Webinar: Subsection (h) under the AIM Act

Today's Host



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Opening Remarks



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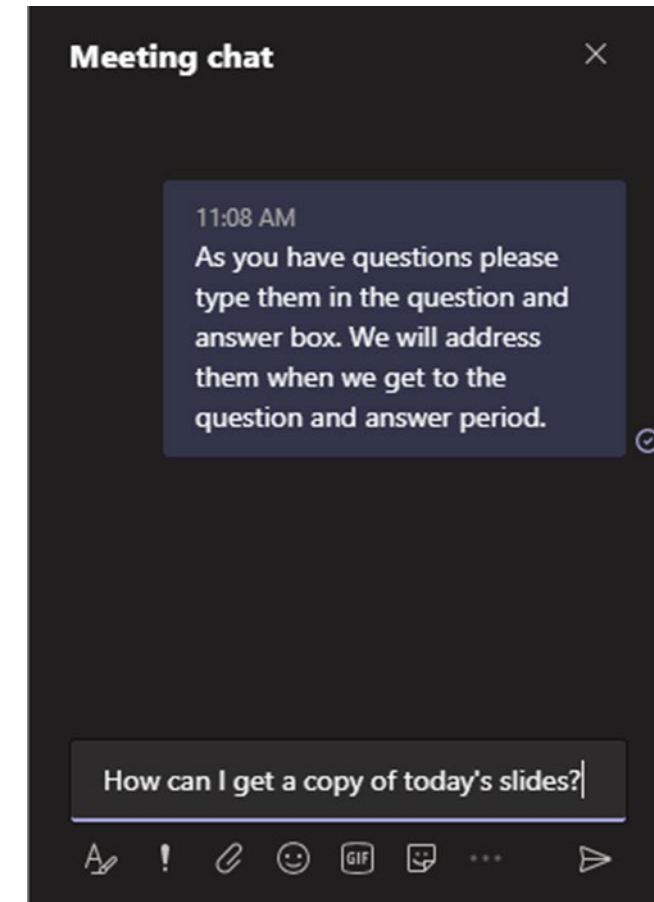
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Bella is a Senior Advisor in the Stratospheric Protection Division at EPA where she has worked for over 30 years in developing national regulations and policies and managing domestic and international projects related to ozone layer and climate protection. She has served on various technical committees for various national and international standards organizations. Her work also includes working with specialized sectors of use such as aviation, marine, and the military; promoting partnerships and public sector initiatives to reduce ozone-depleting substances (ODS) and greenhouse gas (GHG) emissions; and supporting sound management and responsible disposal and destruction. She helped launch EPA's GreenChill Partnership in 2007.

Question and Answer (Q&A) Session

- Participants are muted
- Questions will be moderated at the end
- To ask a question, enter your comment into the chat box or raise your hand to ask to speak 🙋





Feedback Form

- We value your input!
- The link to a feedback form will appear in the chat window

Recording and Slides

- Webinar is being recorded
- Materials will be posted on the GreenChill website under Events and Webinars: www.epa.gov/greenchill
- To receive notification when materials are posted email: EPA-GreenChill@abtassoc.com

Program Overview



www.epa.gov/greenchill

GreenChill is a voluntary partnership program that works collaboratively with the food retail industry to reduce refrigerant emission and decrease stores' impact on the ozone layer and climate system

GreenChill works to help food retailers:

- Lower refrigerant charge sizes and eliminate leaks
- Transition to environmentally friendlier refrigerants
- Adopt green refrigeration technologies and best environmental practices

Become a GreenChill Partner!



**Join your
Industry Peers!**

*GreenChill is
Actively Recruiting
New Food Retail
Partners*



Request a
partnership packet



Sign the partnership
agreement



Meet eligibility
requirements



Become a GreenChill
partner!

The GreenChill Partnership Process

epa.gov/greenchill/about-greenchill-corporate-emissions-reduction-program

Upcoming GreenChill Webinars



- We are planning GreenChill's 2023 webinar series. Email GreenChill@epa.gov if you have any ideas for a webinar or would like to present.
- To be added to our webinar invitation list, email EPA-GreenChill@abtassoc.com

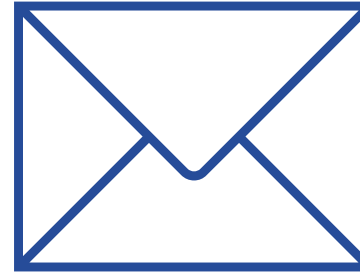
Next GreenChill Webinar!

April 27, 2023 | 2 pm Eastern

Commissioning and Retro-Commissioning
for Food Retailers

Registration link on the GreenChill Events Page!

Learn More



www.epa.gov/greenchill

GreenChill@epa.gov

 [@EPAair](https://twitter.com/EPAair)



Today's Speaker...

Annie Kee



Annie Kee

Environmental Protection Specialist

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Annie is an Environmental Protection Specialist in the Stratospheric Protection Division in EPA's Office of Air and Radiation, where she works on rulemakings under the AIM Act and partnership programs. Prior to SPD, she also worked on EPA's SmartWay program, which helps companies advance supply chain sustainability by improving freight transportation efficiency.



Subsection (h) under the AIM Act: Managing Hydrofluorocarbons (HFCs) and Substitutes

Overview



- AIM Act Overview
- Management of HFCs and Substitutes
- Reclamation Background
- Discussion



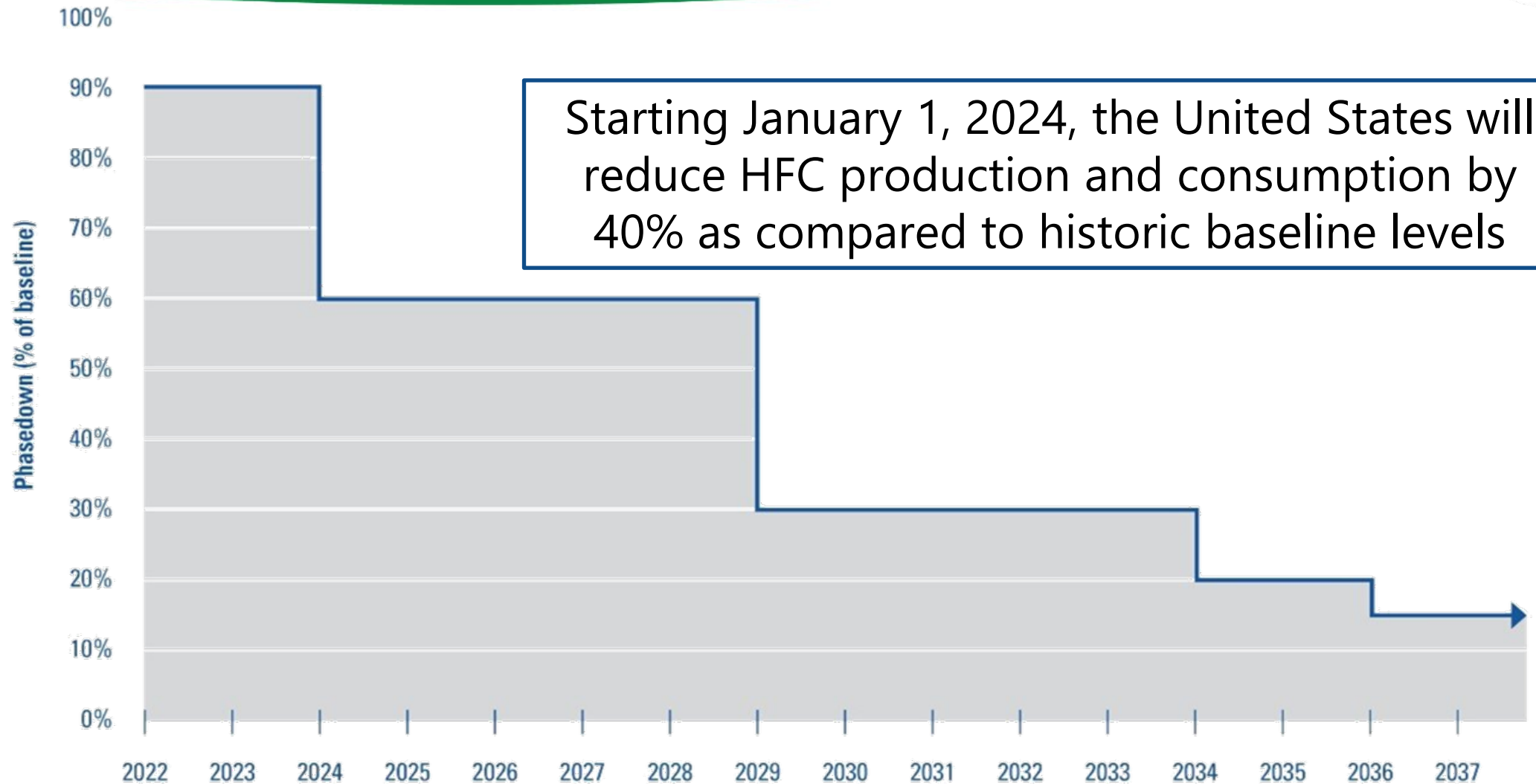
Background



- The AIM Act authorizes EPA to establish three main types of regulatory programs
 1. Phase down production and consumption of HFCs
 2. Facilitate technology transition through sector-based restrictions on HFCs
 3. **Issue certain regulations for purposes of maximizing reclamation and minimizing releases of HFCs and their substitutes from equipment**



HFC Phasedown Schedule



Subsection (h): Management of HFCs and Substitutes



General

- Subsection (h) directs EPA to establish regulations to control, where appropriate, practices, processes, or activities regarding the servicing, repair, disposal, or installation of equipment for purposes of:
 - Maximizing the reclamation and minimizing the release of HFCs from equipment
 - Ensuring the safety of technicians and consumers

Reclaiming

- Provides for the Agency to consider using authority to increase opportunities for the reclaiming of regulated substances used as refrigerants
- Requires that recovered refrigerant must be reclaimed before ownership changes, with a few exceptions

Coordination

- EPA may coordinate with any other similar EPA regulations [e.g., Clean Air Act (CAA) 608 and 609 regulations]

Inapplicability

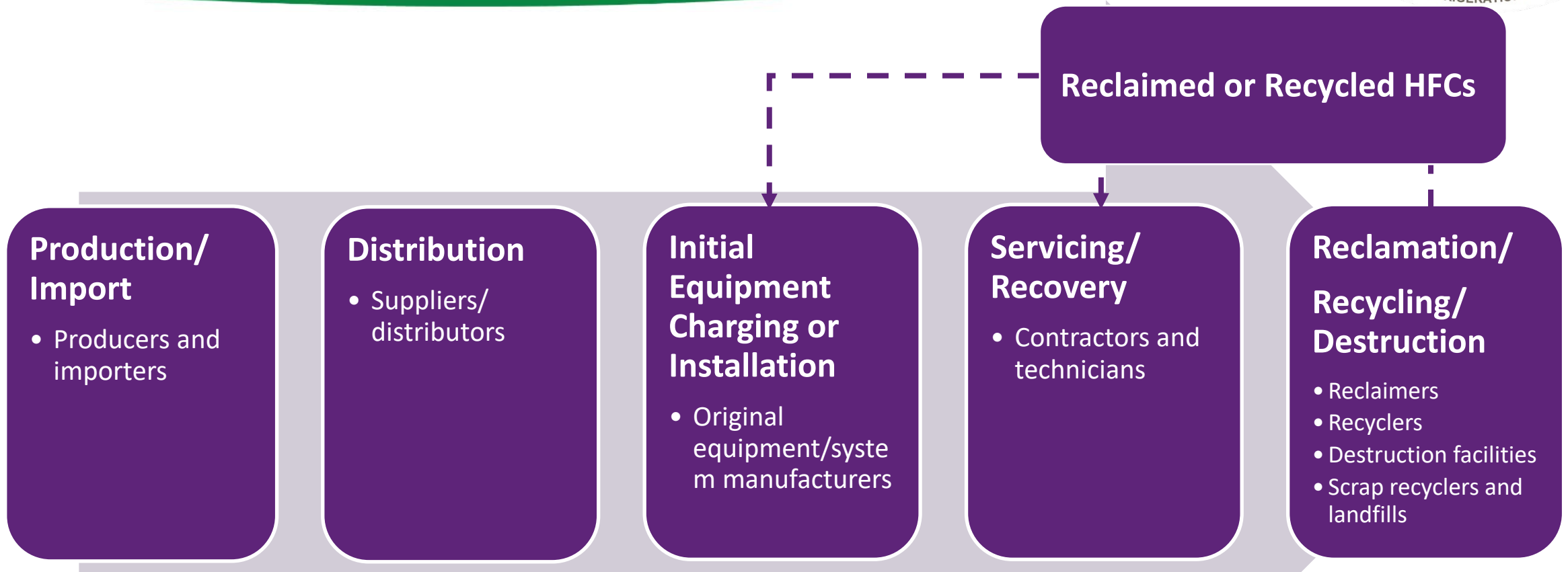
- Subsection (h) does not apply to HFCs or their substitutes contained in foams

Current CAA Title VI Requirements for HFCs and Substitutes



- Existing requirements under CAA Title VI, e.g., Sections 608 and 609 apply to HFCs and substitutes [e.g., hydrofluoroolefins (HFOs)], including:
 - Servicing practices
 - Recovery and recycling equipment
 - Venting prohibition
 - Safe disposal
 - Sales restriction
 - Technician training and certification
 - Recordkeeping
- Leak repair requirements only apply to appliances that contain an ozone-depleting refrigerant
- Additional requirements include use conditions under the Significant New Alternatives Policy (SNAP) program

General Flow Chart for HFCs Used as Refrigerants



Stakeholder Engagement and Next Steps



- Notice of Data Availability (NODA)
 - NODA and draft report on U.S. reclamation market published October 17, 2022
- Stakeholder Meetings
 - Provided opportunity for input as EPA develops the proposed rule (November 9, 2022 and March 16, 2023)
 - Participants from industry, reclaimers, associations, federal government, environmental non-governmental organizations (ENGO), and states
- Next Steps
 - Plan is to issue a proposed rule in summer 2023

Questions for Input



- What challenges and opportunities do partners and stakeholders anticipate as HFCs are phased down?
- What are common barriers to increasing the use of reclaimed refrigerants? Do you distinguish between virgin or reclaimed HFCs?
- Are there barriers to using reclaimed HFCs for initial charge for factory or field charged equipment? Are there barriers to using reclaimed HFCs for servicing existing refrigeration, air conditioning, and heat pumps (RACHP) equipment?

Questions for Input (cont.)



- Should there be a limit on the amount of virgin refrigerant that can be included in reclaimed refrigerant? E.g., California limits virgin HFCs to 15% by weight.
- How would you address a chronically leaking appliance?
- What do you see as the costs and benefits to using an automatic leak detection systems?
- Are cylinders containing reclaimed material labeled to distinguish from virgin material?
- Could labels be used to promote the use of reclaimed HFCs?

Reminders



Unless called to speak,
please keep your speaker
on **MUTE**

- If joining by phone, unmute by entering ***6**

During Q&A session

- Raise your **HAND** to ask to speak 🖐️
- Open **CHAT** to submit questions or ask to speak 💬
- Please indicate your **NAME** and **AFFILIATION**
- Please be mindful of time to allow others opportunity to ask questions or speak

If your internet
connection is unstable

- Turning off your **VIDEO** might help



AIM Act Subsection (h)

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**More information on
HFC Management**



www.epa.gov/climate-hfcs-reduction

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