



Philippines Cold Chain Standards and Innovation Workshop

Douglas Reindl, Ph.D., P.E.

October 19, 2022

ASHRAE Overview

Founded in
1894

200+
Standards and
Guidelines

51,000+
Volunteer
Members

130+ countries

7,400+
Student Members
15
Regions
190+
Chapters
400+
Student Branches



Industry
Classifications
Consulting Engineers
Contractors
Manufacturers
Manufacturing
Representatives
Government, Health &
Education
Design Build
Architects

59 Active
Research
Projects
Total of 907;
\$76 million



MISSION

To serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, **refrigeration** and their allied fields.

VISION

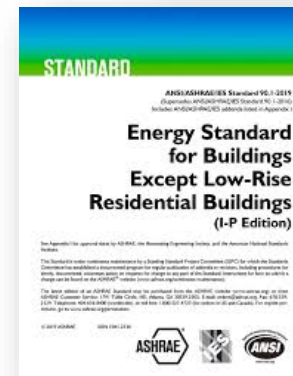
A healthy and sustainable built environment for all.



ASHRAE Standards



- For more than a century, ASHRAE has developed standards, guidelines, and methods-of-tests for HVAC&R equipment and buildings
- ASHRAE is an ANSI-accredited standards developer
- ASHRAE's portfolio of standards includes more than **178 active standards** and **42 guideline** documents
- ASHRAE is committed to working with its international partners in standards development and adoption



U.S. Standards related to the cold chain



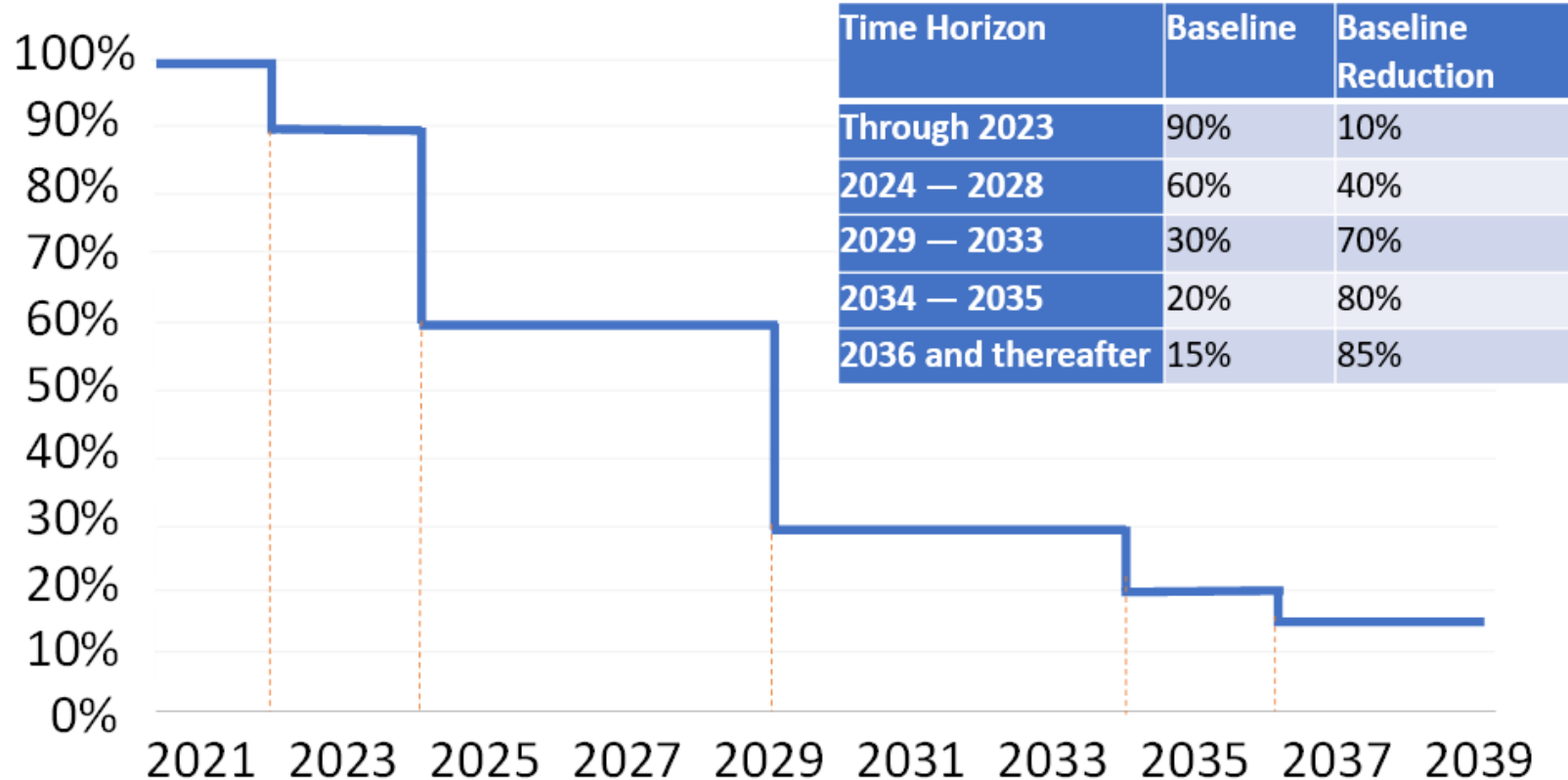
- The U.S. Department of Energy has established federal regulations that set minimum efficiency requirements for
 - commercial refrigeration systems & equipment,
 - walk-in coolers/freezers (up to 279 m²),
 - unit coolers used in supermarket refrigeration systems, and
 - doors and panels used in constructing walk-in coolers/freezers



The U.S. is also phasing down HFC refrigerants



AIM Act HFC Phase Down



Challenges are ahead with competing priorities

