

**ENERGY STAR® 2022 Emerging Technology Award Requirements:
Adaptive Commercial Refrigeration Equipment**

Product Type: This award is intended for closed, self-contained commercial refrigeration products using variable speed compressors with sensor-driven control systems capable of capacity modulation.		
Criteria		Test Method/Required Documentation
Product Characteristics		
Energy Efficiency	Outperform the measured Annual Energy Consumption for the Federal Minimum Standard by 25%	Perform the 10 CFR Part 431 Subpart C - Commercial Refrigerators, Freezers and Refrigerator-Freezers test method
	Provide documentation of the model information and test results for the product being submitted for consideration	
	Energy measurements must be performed at an EPA-recognized accredited lab ¹ or at manufacturer lab certified by an EPA-recognized Certification Body under the Data Acceptance Program	
	All models submitted for consideration must be ENERGY STAR certified and thus listed on the ENERGY STAR Commercial Refrigeration Equipment Qualified Product List to be eligible	
Low-GWP Refrigerant & Foam	Contains refrigerant and foam with a Global Warming Potential (GWP) less than 15 and approved for use in the U.S. market	Listed as Acceptable by the U.S. EPA Significant New Alternatives Policy (SNAP) Program for refrigerants ² and foams ³ . Product documentation listing the refrigerants and foams contained within the product
Additional Product Requirements		
Warranty Minimum	One year parts and labor	Copy of warranty agreement
Certification	Must meet all applicable U.S. electrical safety requirements	Copy of case files
Commercial Status	This program recognizes only products available for sale in the U.S. at the time of award submission	

¹ [ENERGY STAR Partner Resources Third Party Certification Webpage](#)

² List of acceptable and unacceptable refrigerants in stand-alone commercial refrigerators and freezers <https://www.epa.gov/snap/substitutes-stand-alone-equipment>

³ List of acceptable and unacceptable foams in commercial refrigerator-freezers <https://www.epa.gov/snap/substitutes-rigid-polyurethane-commercial-refrigeration>