

ENERGY STAR® 2014–2015 Emerging Technology Requirements:
Demand Control Kitchen Ventilation (DCKV)

Performance Characteristic	Requirements	Required Documentation
Product Performance		
Default Idle Fan Speed	Capable of 50% reduction from the maximum design speed.	User manual or specification sheet
Active Cooking Sensors (ACS)	Optical sensors positioned in the hood or infrared sensors directed at cooking equipment that detect cooking activity prior to the increase of the hood duct temperature.	User manual or specification sheet
Connected Criteria	<p>Systems are not required to have connected capabilities, however, if they are used then the following requirements apply.</p> <p>Provides communication with entities outside the system using, for all communication layers, the standards:</p> <ul style="list-style-type: none"> • Included in the Smart Grid Interoperability Panel (SGIP) Catalog of Standards, and/or • Included in the NIST Smart Grid framework Tables 4-1 and 4-2, and/or • Adopted by the American National Standards Institute (ANSI) or another well-established international standards organization such as the International Organization for Standardization (ISO), International Electrotechnical Commission (IEC), International Telecommunication Union (ITU), Institute of Electrical and Electronics Engineers (IEEE) or Internet Engineering Task Force (IETF). 	User manual or specification sheet
User Controls	Provide visual indication of a fault in the same room as the unit when the system is bypassed or disabled.	User manual or specification sheet
Additional Company Requirements		
Product Commercialization Plan	Required for any company that does not currently sell their DCV system(s) in the U.S. market.	Company must submit and EPA must approve a <u>Product Commercialization Plan</u> for the U.S. market that includes: market size, commercialization partners, targeted applications, targeted regions, and staffing plan to support plan implementation.
Warranty	Parts replacement warranty valid for 1 year from date of installation	Copy of the warranty