

**Shelf Edge Technology (SET)**

Date reviewed: 01/31/2019

Description of Technology		Energy Saving Opportunity	
<p>For use in commercial open refrigerated display cases suitable for use in retrofit or new cabinets. Technology attaches to the end of a refrigerated cabinet shelf and extends out from shelf leaving an air gap. This air gap directs air flowing from the top of the cabinet to the bottom in a more uniform fashion, reducing the mixing of the refrigerated air and the conditioned space air. This reduction in the mixing of air results in lower temperature air being returned across the evaporator coil.</p>	Sector(s):	<input type="checkbox"/>	Residential
		<input checked="" type="checkbox"/>	Commercial & Industrial
	Applicability Criteria:	Commercial open refrigerated display cases in supermarkets.	
	Efficiency Improvement:	Reduce potential thermal contamination between the store environment and the products within the case	
	Energy (%) Savings Potential:	Variable	
	Demand (%) Reduction Potential:	Variable	
Strengths		Weakness	
<ul style="list-style-type: none"> <li>• Easy and quick to install</li> <li>• Light weight</li> <li>• Reduction in food shrinkage</li> </ul>		<ul style="list-style-type: none"> <li>• Some cabinets respond better than others</li> <li>• Retailers have concerns about installing something at front of shelf</li> </ul>	
Third Party Analysis/ Previous MTAC Reviews		Suppliers Known to MTAC	MTAC Status
		EcoBlade - Dover Food Retail	Acknowledged to have energy savings potential and referred to individual PA for their own EE program consideration
		Aerofoil	
Market Development Issues			
Cost:	Cabinet model specific		
Market Risk and Barriers:	New to US market		
Time to Market:	Currently on market		
Simple Pay-back: (Years)	Variable, manufacturer reports under two years		

