




Intelli-Hood[®] kitchen controls have been installed in grocery supermarkets, reducing energy usage and operations costs.



ENERGY (kWh) SAVINGS / YEAR
4,990,000 kWh
\$615,000




CONDITIONED AIR SAVINGS / YEAR
\$250,000 USD



CO₂ SAVINGS
6,500,000 lb of CO₂



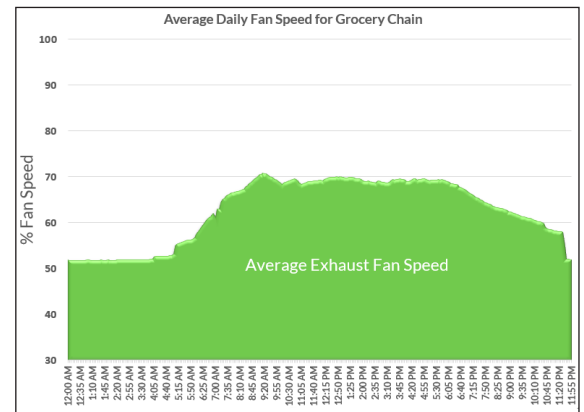
AVG FAN SPEED
63%
\$380,000 SAVINGS



PROJECT STATS
Number of Sites: 420+
Avg. System Age: 10 years
Avg. Cost per kWh: \$0.12
Operation Hours per Day: 14
Operation Days per Week: 7
Operation Weeks per Year: 52

Context:

Over the last 15 years, Melink has partnered with a major grocery banner in the Southeast U.S. to help reduce the volume of conditioned air being exhausted through its stores' kitchen hoods. Since replacing exhaust air with conditioned air comes at a premium in regions with high temperatures and high humidity, the need to dial in this minimum volume of replacement air becomes critical.



Solution:

Melink offered Intelli-Hood[®], its demand control kitchen ventilation system, as a solution to actively monitor cooking loads and to reduce kitchen hood exhaust volumes, thus reducing the replacement of conditioned air. To date, Intelli-Hood[®] has been installed in more than 420 of the chain's stores across the Southeast. By randomly sampling 30 of these systems, Melink concluded that this grocery banner has saved more than \$615,000 per year in fan energy and conditioned air savings.



For more information, visit INTELLIHOOD.COM