Viking Cold Solutions conducted a measurement and verification study of its Thermal Energy Storage (TES) technology, centered around its patented phase change material (PCM), inside a 93,000 square foot low-temperature cold storage warehouse owned by Dreisbach Enterprises in Richmond, CA.

Peak Period Energy Pricing: 13 Hours

Before TES
Peak Period Consumption & Peak Demand Charges 50% of annual energy cost

VIKING COLD PCM ABSORBS UP TO 85% of heat infiltration for more stable temperatures, better food protection, and lower energy costs.

Viking Cold Solutions conducted a measurement and verification study of its Thermal Energy Storage (TES) technology, centered around its patented phase change material (PCM), inside a 93,000 square foot low-temperature cold storage warehouse owned by Dreisbach Enterprises in Richmond, CA.

Results
FREEZER ENERGY CONSUMPTION reduced 35%
PINK PERIOD CONSUMPTION reduced 43%

PEAK PERIOD DEMAND reduced 29%

50% More Stable TEMPERATURES

DAILY WEEKDAY CONSUMPTION