

THERMAL ENERGY STORAGE FOR REFRIGERATED WAREHOUSE



> HIGHLIGHTS

> SOLUTION

TESS + PTV system would be integrated into the refrigerated warehouse.

8 x TESS ML02F

6 x TESS ML20F

7 x PTV10

Operating at a -20°C set point as the 1st stage on the refrigeration systems, allowing for better control of the building load and the peak shaving.

> REDUCING DEMAND

The TESS system allows for the main chillers to draw energy during electric peak periods and an annual electric energy savings of about 1,897,000 kWh.



Will eliminate Peak Load cost of \$72,380 annually



Emissions reduced by 1,461 tons



Chillers will have a longer shelf life and less maintenance

Simple Payback: 4 Years