ECONO FROST

REFLECTIVE NIGHT COVERS

WORKING TOGETHER

Save a Lot

Performance Results:

Econofrost Night Covers Save-a-Lot Installation 11.06.06

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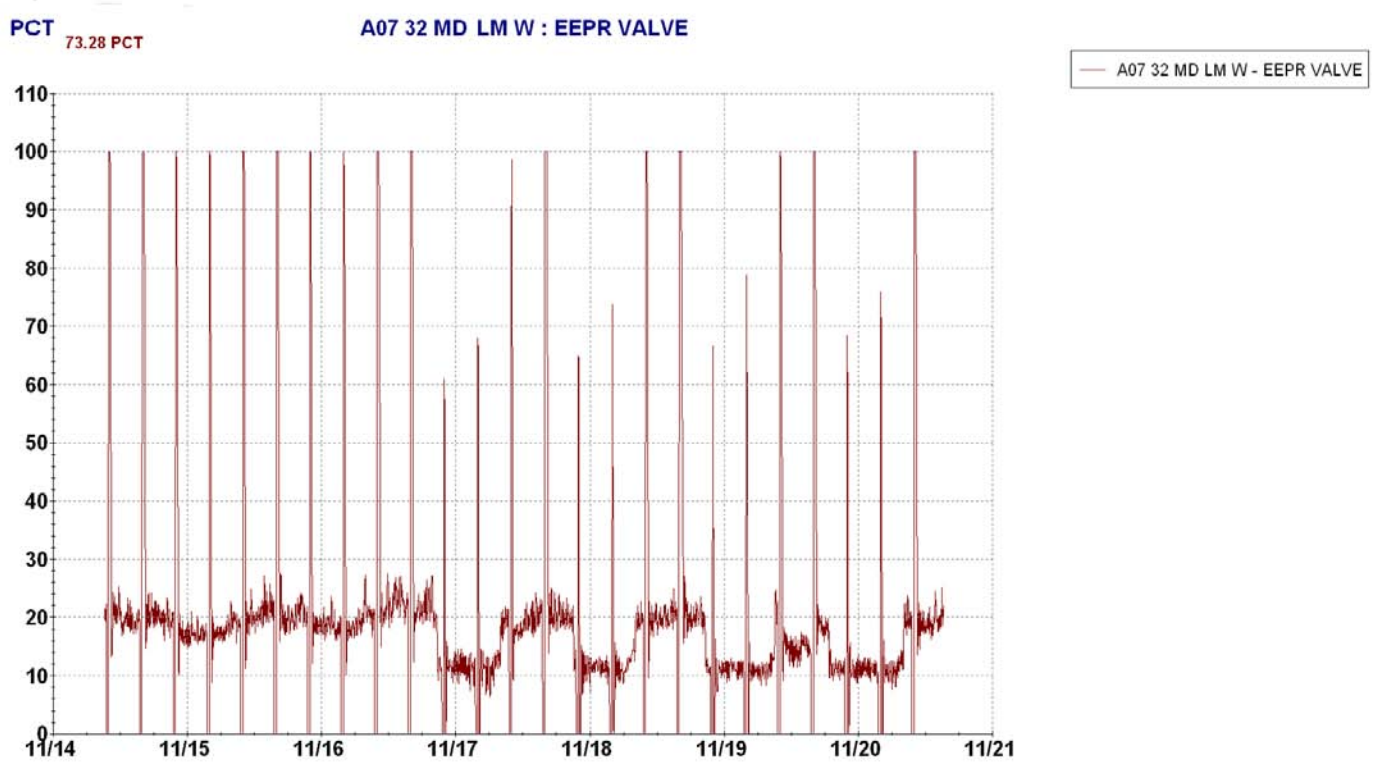
MULTI-DECK LUNCH MEAT

EEPR VALVE

This Case is a 32' Multi Deck Lunch Meat Counter. This particular case is controlled with an Electronic Suction Stepper Valve. The graph shows the EEPR percentage that the valve is open. ***This translates into the amount of refrigeration capacity the case is using. After installing the curtains, it dropped from approximately 20% open to 10% open.***



Install date 11-16-06

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RETAILER

SAVE-A-LOT
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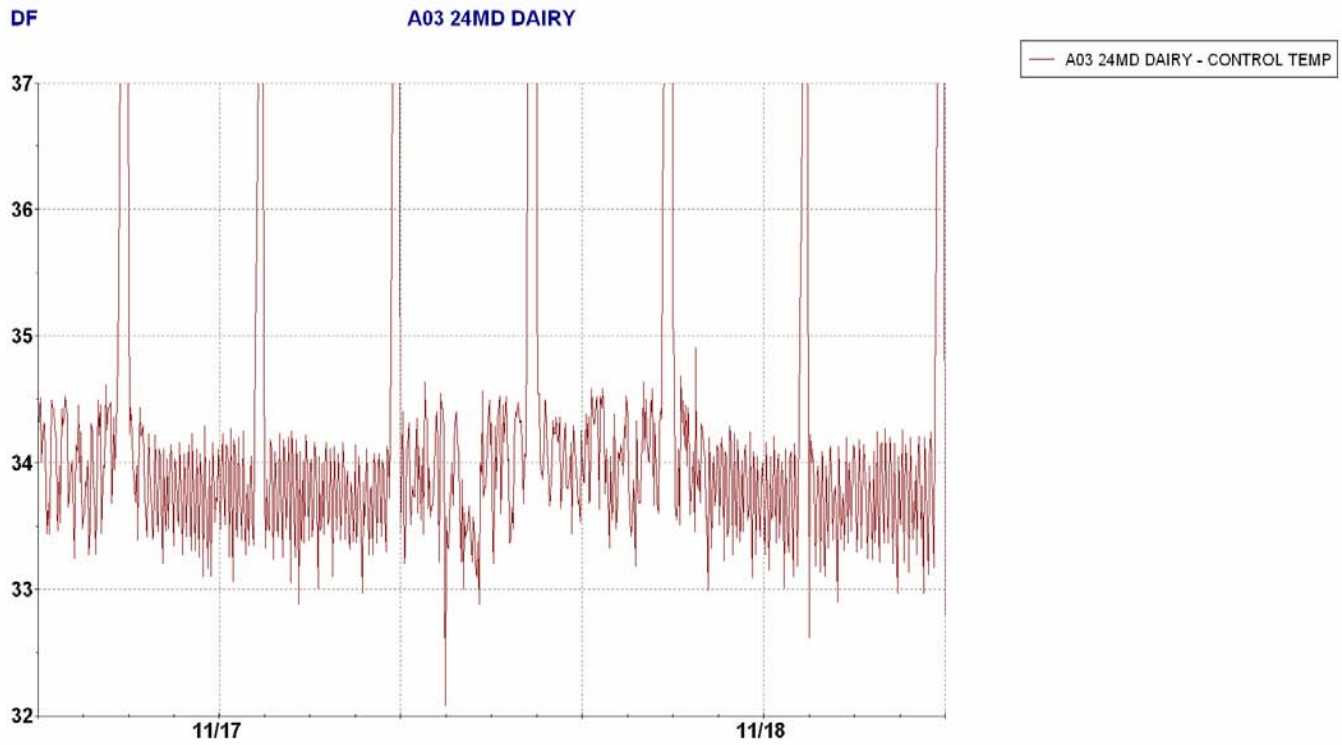
MULTI-DECK DAIRY

DISCHARGE AIR TEMPERATURE

This case is a 24' Multi Deck Dairy Case. The graph shows the improved discharge air temperature when curtains are being used. The cycles are shorter and tighter. ***The actual average temperature drops without changing any settings.***



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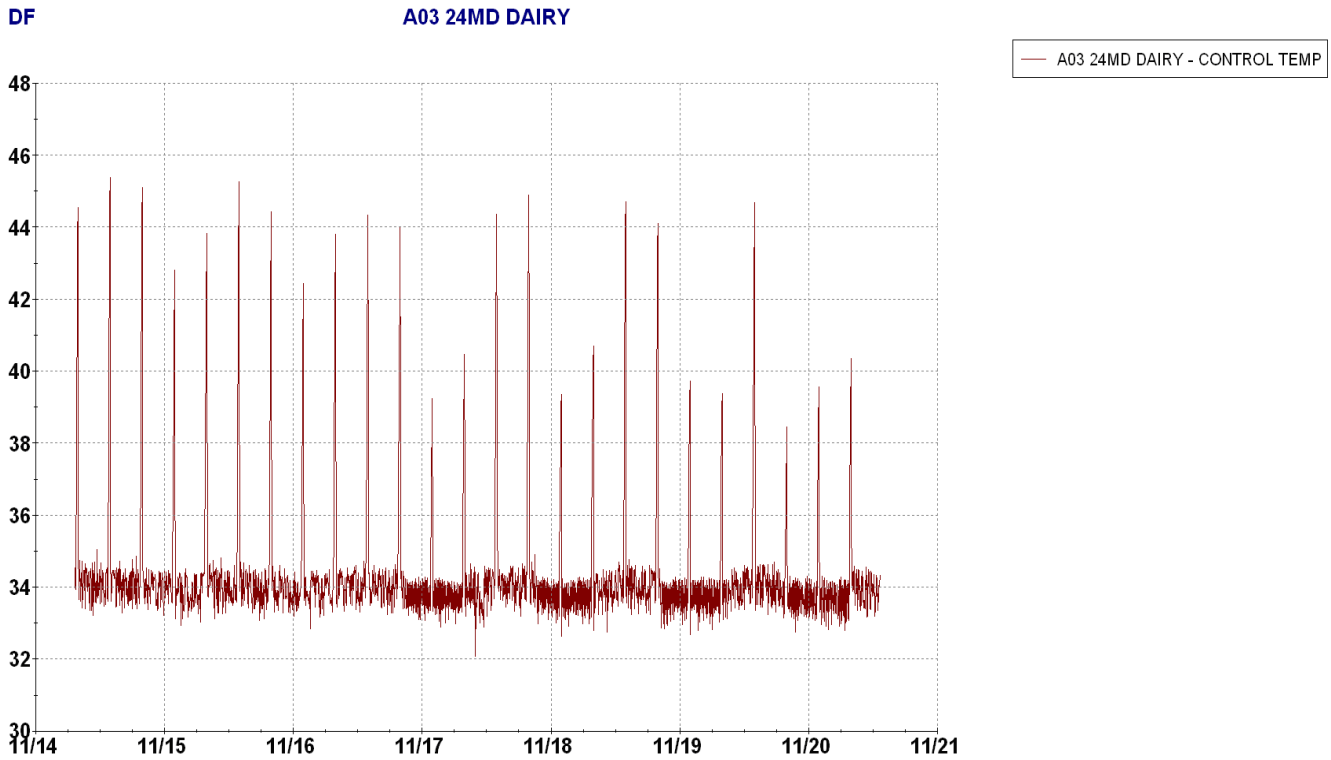
MULTI-DECK DAIRY

IMPROVED CASE TEMPERATURES

This case is a 24' Multi Deck Dairy Counter. The graph shows the improved case temperatures when using the curtains. This case is using a conventional thermostat and liquid line solenoid valve. The cycles are shorter and closer together. ***Product temperature will be more constant.***



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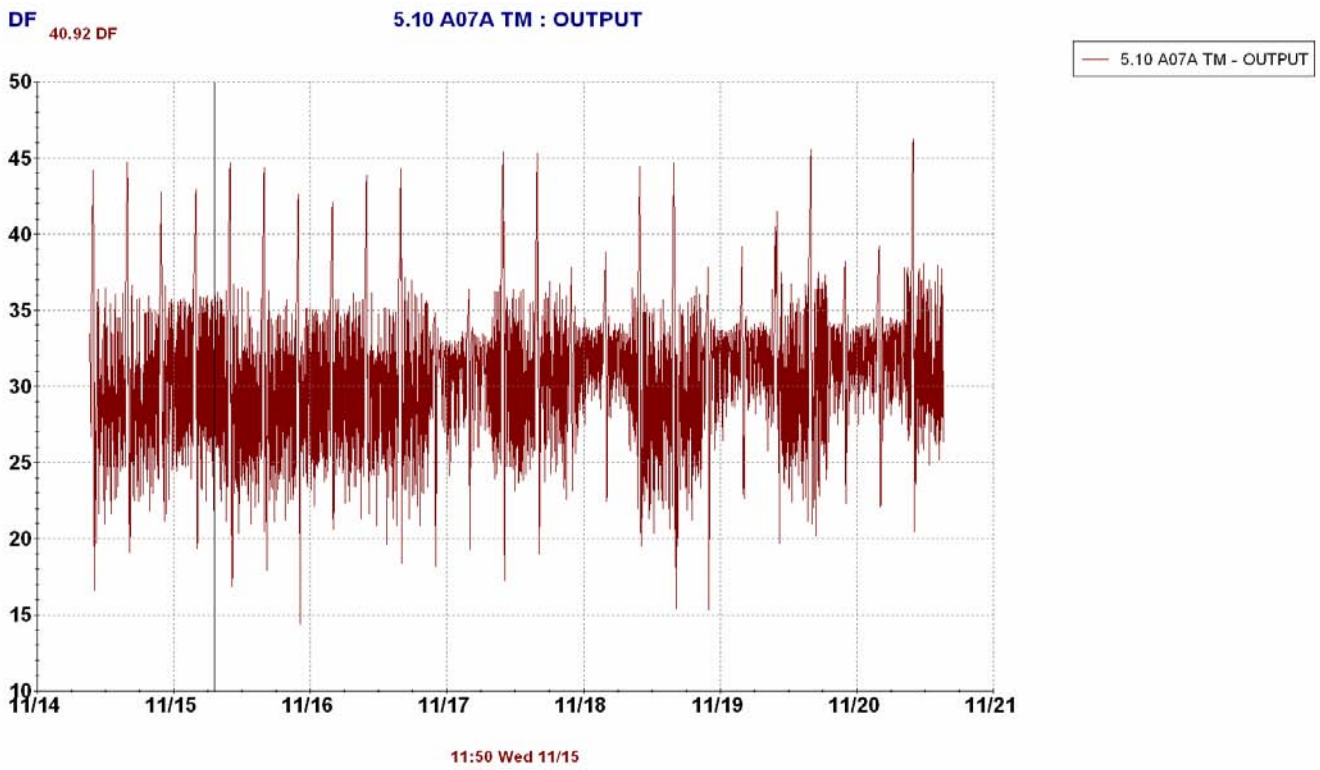
MULTI-DECK LUNCH MEAT

INCREASED RACK EFFICIENCY

This case is a 32' Multi Deck Lunch Meat Counter. The graph shows the outlet suction temperature of the evaporator. It shows the reduced load on the coil and the improved coil temperature. ***As we raise our suction temperature we increase our efficiency of our refrigeration rack.***



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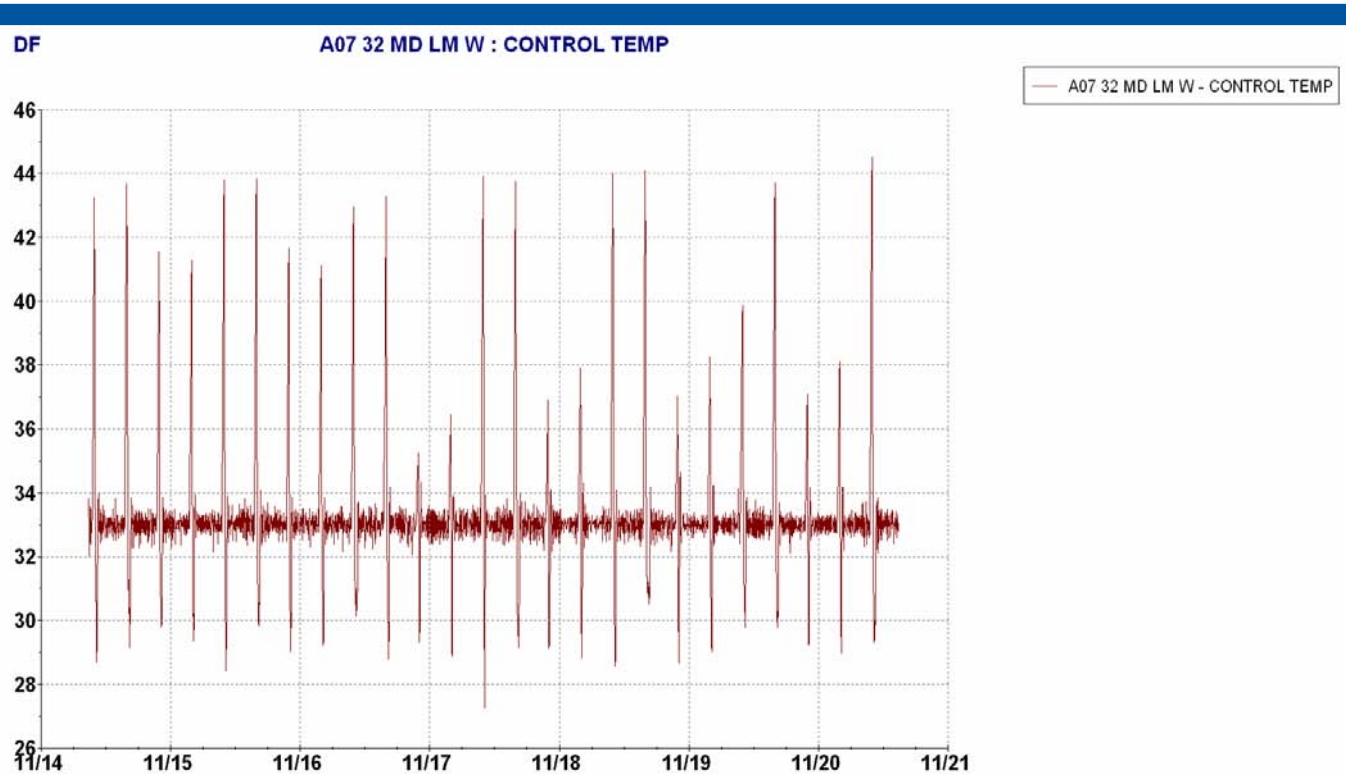
MULTI-DECK LUNCH MEAT

IMPROVED DEFROST TEMPERATURES

This Case is a 32' Multi Deck Lunch Meat Counter. The graph shows the difference in discharge air temperature during a defrost after curtains have been installed. **Our defrost temperatures dropped from 41 deg. to 37 deg.**



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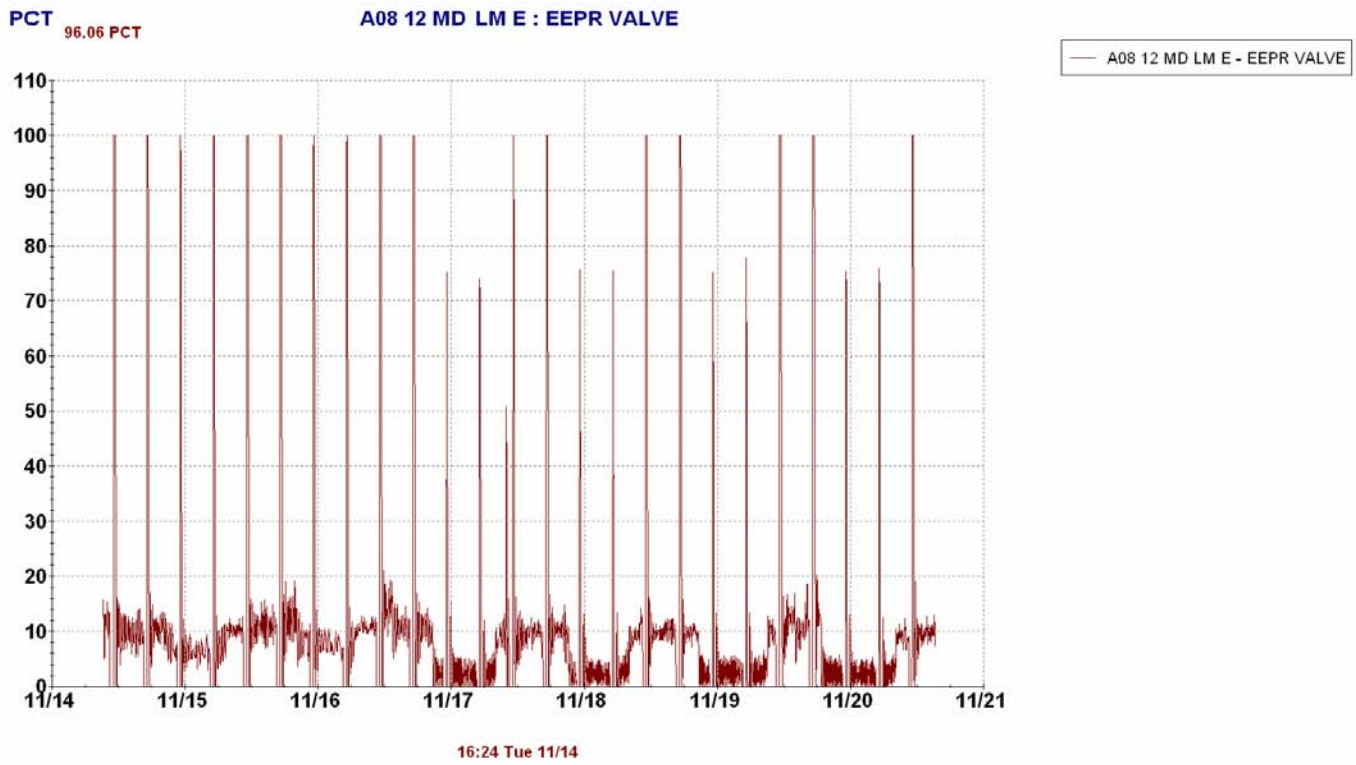
MULTI-DECK LUNCH MEAT

IMPROVED REFRIGERATION CAPACITY

This case is a 12' Multi Deck Lunch Meat Counter. This particular case is controlled with an Electronic Suction Stepper Valve. The graph shows the EEPR percentage that the valve is open. ***This translates into the amount of refrigeration capacity the case is using. After installing the curtains, it dropped from approximately 10% to below 5% open.***



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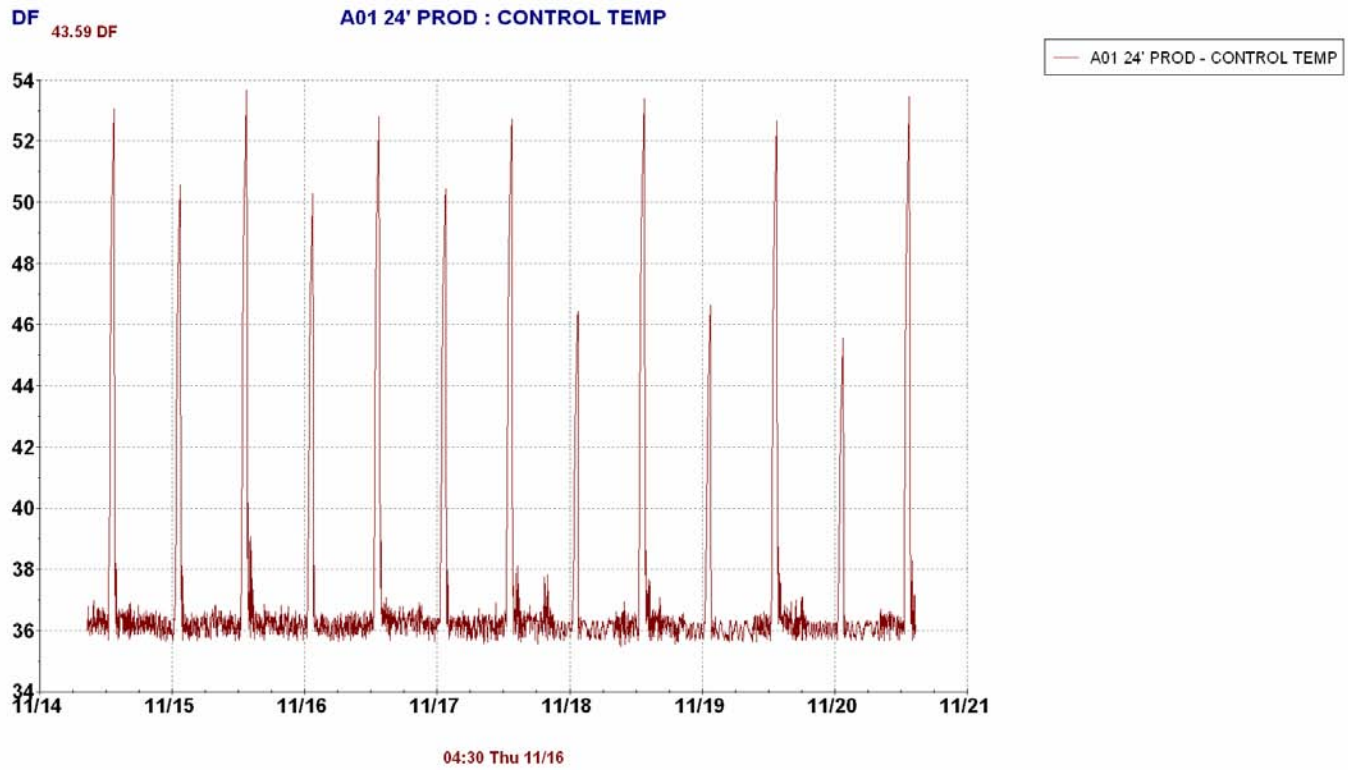
MULTI-DECK PRODUCE

IMPROVED PRODUCT STABILITY

This case is a 24' Multi Deck Produce Counter. The graph shows the lower defrost temperatures during defrost. ***This translates in a more stable product temperature. The only change was the installing curtains.***



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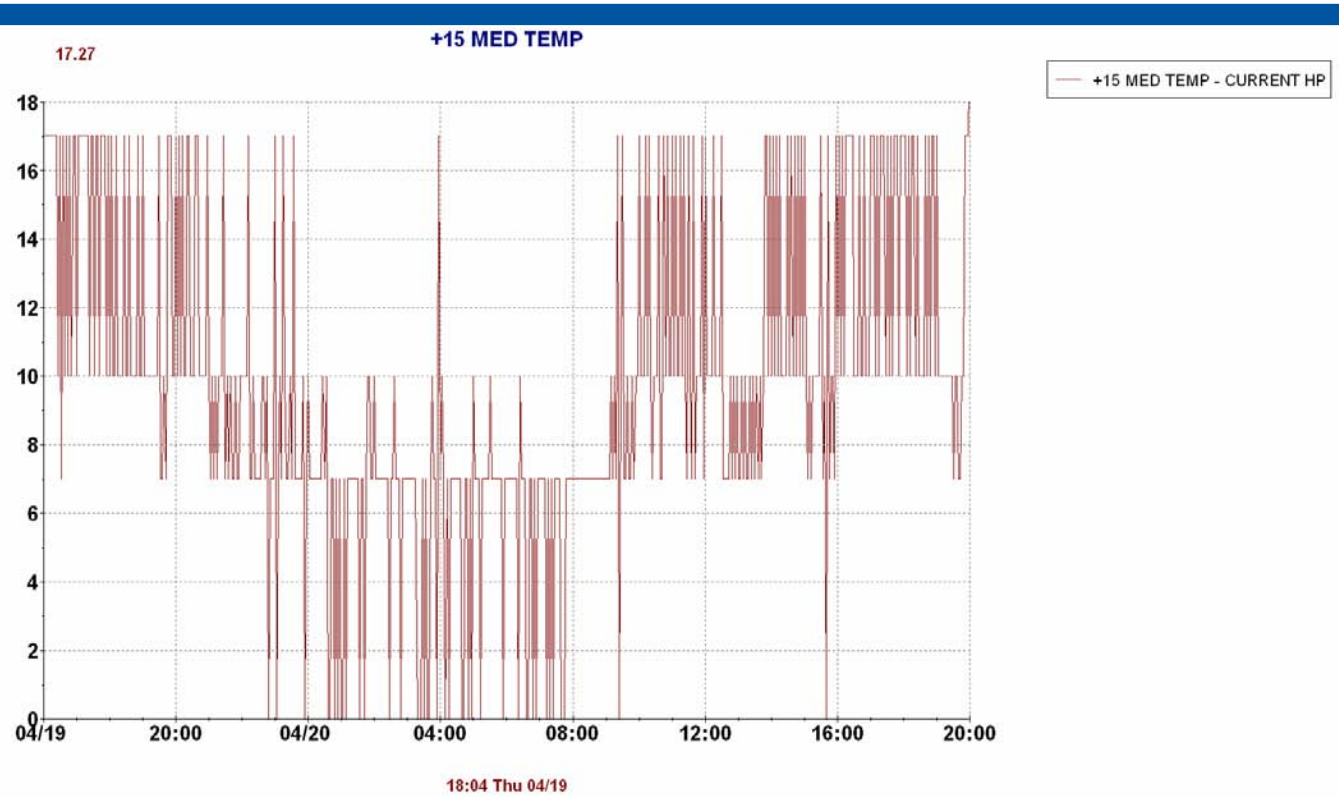
MEDIUM TEMP RACK

REDUCED HORSEPOWER REQUIREMENTS

This graph shows the reduction in horsepower during the evening hours when curtains are being used. The rack horsepower is where the energy is being saved. The daytime horsepower has been improved slightly due to the product being held at a colder temperature in the morning. ***By reducing horsepower we reduce energy usage.***



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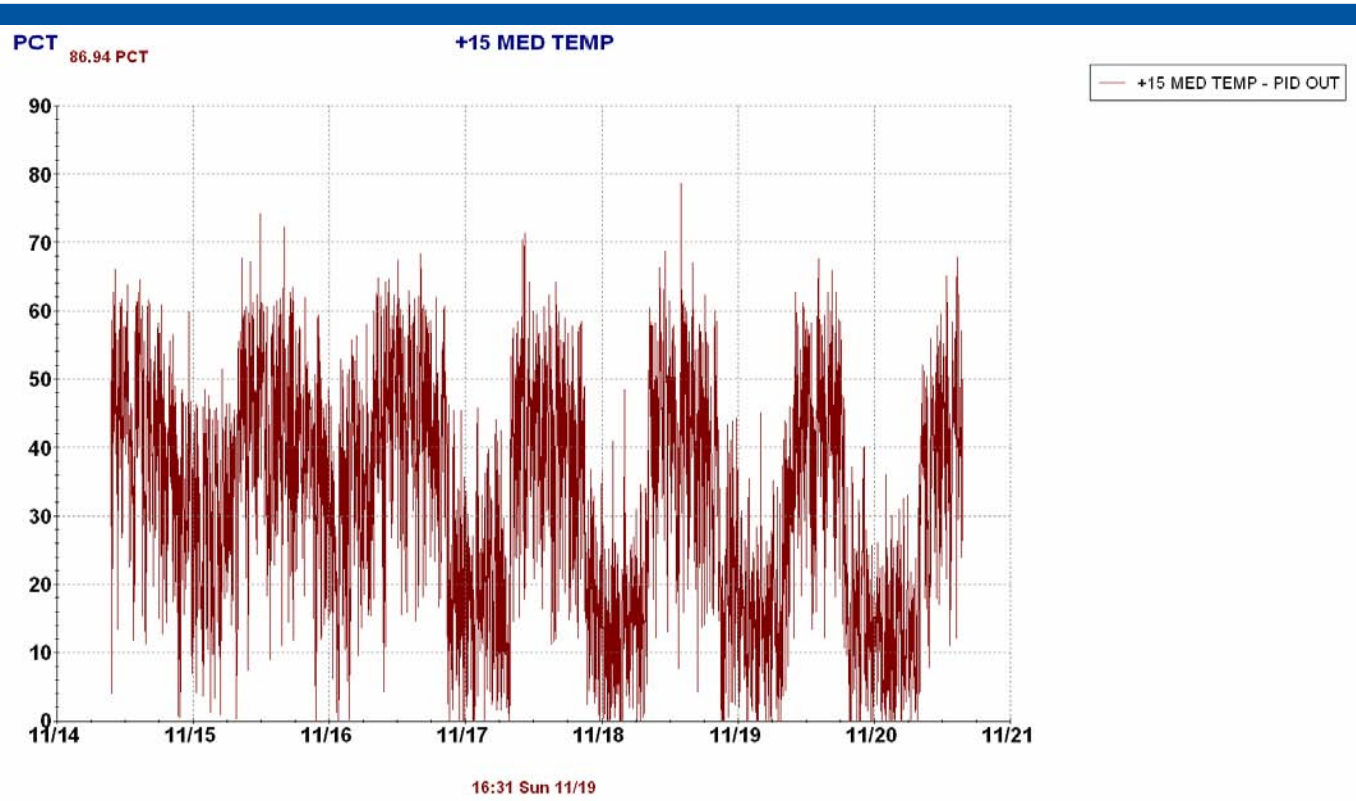
MEDIUM TEMP RACK

46% REDUCTION IN CAPACITY

This graph is the PID setting of the Medium Temperature Rack. The PID is the amount percentage of capacity required at any given moment. After installing the curtains, the night time percentage of capacity dropped from about 30%, down to 16%. ***This translates into approximately 46% reduction in capacity during evening hours.***



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