

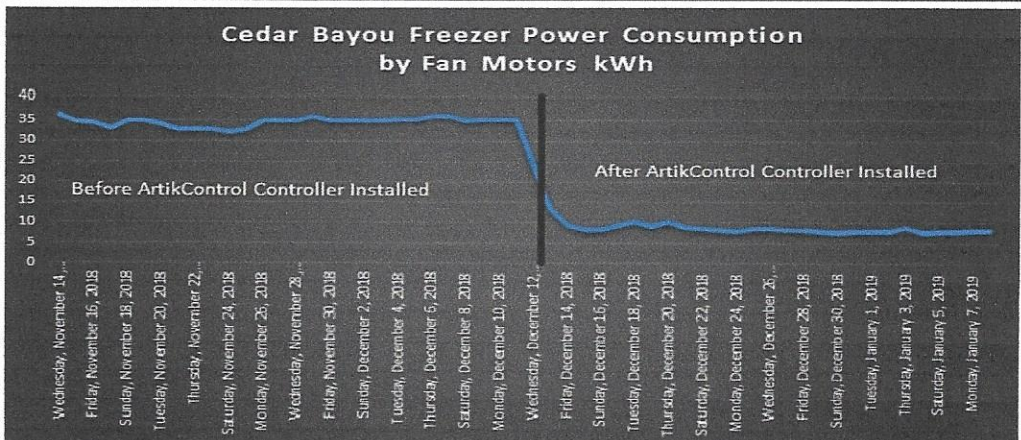
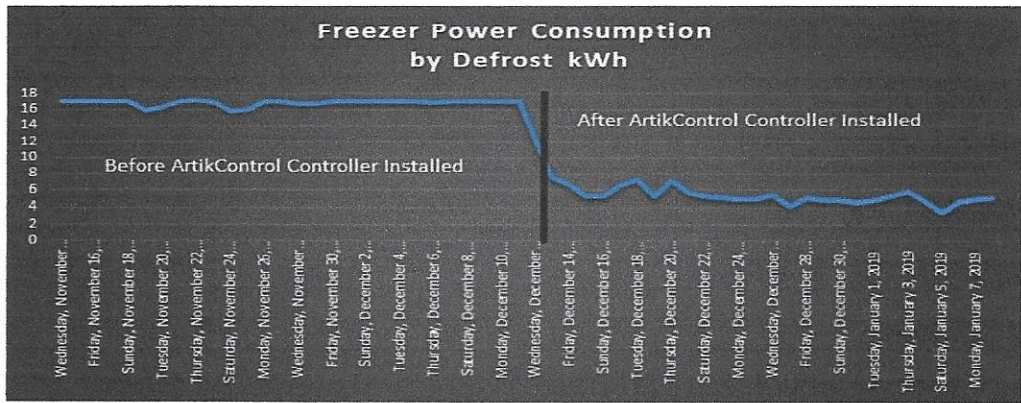
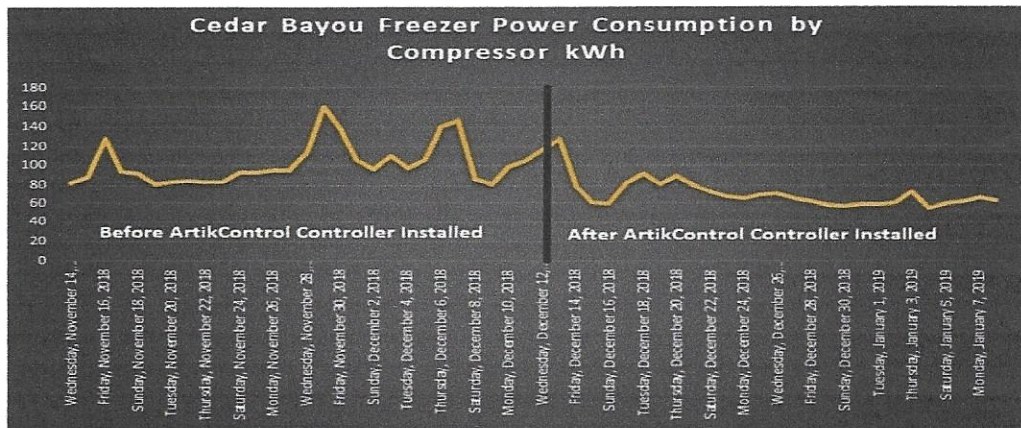
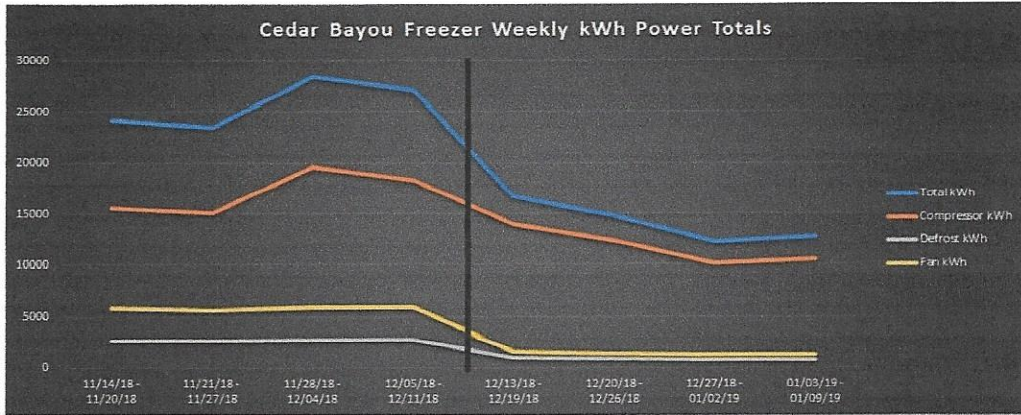


M&V Conclusions Recap for a Texas ISD One (1) Freezer – Four (4) Motors

Pre-Equipment Installation Energy Consumption was measured for a period of four (4) wks.
Post-Equipment Installation Energy Consumption was measured for an additional four (4) wks.

- **Total Energy Save of 45% Broken Down as Follows:**
 - **Compressor Save:** 31.59%
 - **Defrost Save:** 68.05%
 - **Fan Motor Save:** 75.12%
- Total Save for One (1) Freezer Four (4) Motors was 1,951.84 kWh for four (4) weeks
 - **Annualized Value:** 25,355.72 kWh @ \$0.09 per kWh which current electric rate is paid by Client = **\$2,282.01 in Annual Savings**
- The cost to Upgrade the equipment in this Box: \$1,885.00
 - **ROI: 0.83 years**
- **Total Project Cost and ROI:**
 - **Equipment Cost:** \$1,885.00
 - **Labor Cost:** \$450.00
 - **Estimated ClearResults Rebate:** \$900.00
 - **Total Cost for One (1) Freezer with Four (4) Motors:** \$1,435.00
 - **ROI: 0.63 years**

	Existing	RetroFit	Savings
Average Compressor Run Time /day	665.61	444.41	33.2%
Average Compressor Cycles /Day	58.86	53.93	8.4%
Average Compressor Run Time	11.31 min	8.24 min	27.4%
Avg Compressor Run Time After Defrost	38.44 min	17.42 min	54.7%
Defrost cycles per day	4	4	Same
Average Defrost Time	35.0 mins	10.97 mins	68.6%



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