

EndoTherm[®]

MilliporeSigma - Sheboygan Falls Warehouses
Wisconsin, USA



9.37
%

ENERGY SAVING

FINANCIAL SAVING

 **\$4,209.62**

CARBON SAVING

33,000Kg CO_{2e}

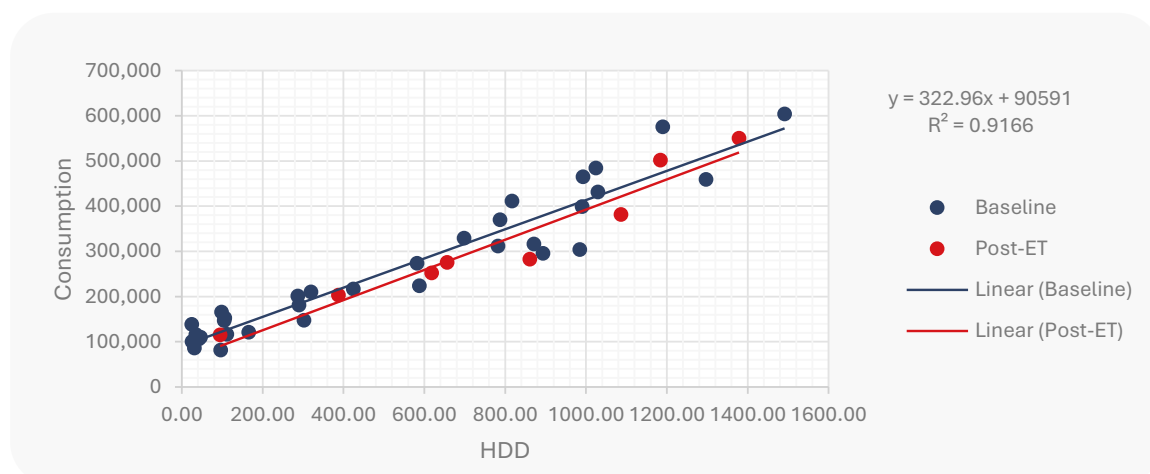
INSTALLED SEPT 2024 - 8 MONTH PILOT

Following a successful pilot of EndoTherm by MilliporeSigma in a lab building forming part of their Sheboygan Falls manufacturing facility in Wisconsin, EndoTherm was installed into 2 warehouse buildings Pro 3 and Pro 4 in September 2024.

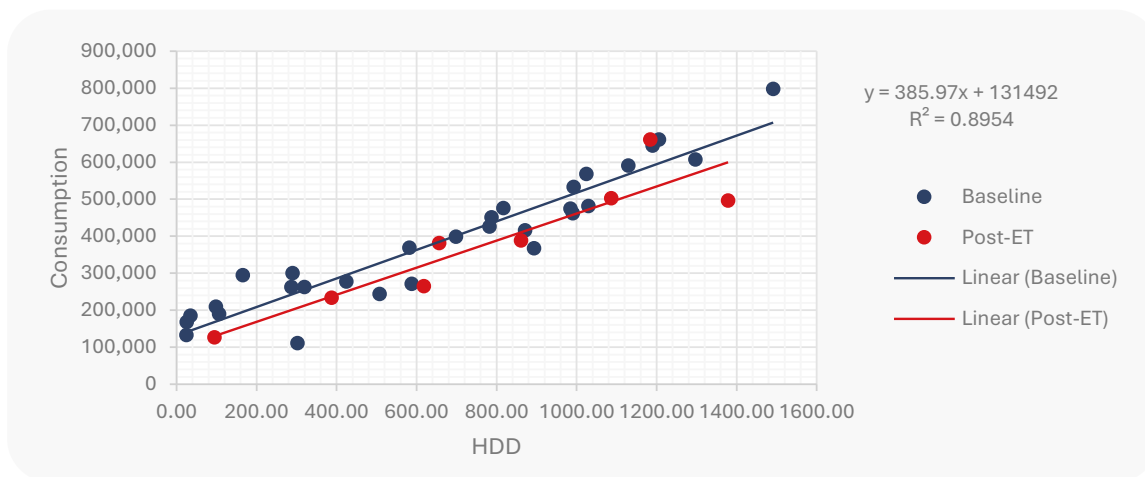
MilliporeSigma strive to solve the toughest problems in life science by collaborating with the scientific community. They provide best-in-class materials, technologies, and services, and broad product portfolios.

METHODOLOGY

The chosen methodology takes guidance from IPMVP (Option C). A baseline for each site was constructed using meter readings provided by the end user. These consumption values are normalised for variance in outside temperatures using Heating Degree Day (HDD) values from nearby Sheboygan Co Memorial Airport (KSBM) using a base-load of 65°F.



Graph 1 – EndoTherm Analysis at Pro 3



Graph 2 – EndoTherm Analysis at Pro 3

ANALYSIS

	SAVING CuFT	SAVING %	SAVING \$
Pro3	187,157 CuFT	6.81%	\$1,310.10
Pro4	414,217 CuFT	11.93%	\$2,899.52
AVERAGE		9.37%	
TOTAL	601,374		\$4,209.62

RESULTS

Over the 8-month pilot the predicted consumption calculated using the baseline data and HDD values was 601,374 CuFt higher than the recorded gas consumption. **This is an average 9.37% reduction in gas consumption.**

At \$0.007 per CuFt the pilot saved \$4,209 meaning the initial investment paid itself back within the 8-month pilot period.

A saving of 601,374 CuFt is also equivalent to 33,000kg of CO₂e. This can be visualised as

