



COMMERCIAL OFFICE / FINANCIAL SERVICES INDUSTRY CASE STUDY

FINANCIAL INSTITUTION - ARIZONA

This Financial Institution installed Insolcorp's PCM at numerous branch locations in Arizona, primarily in the Tucson area. A total of 13 locations were analyzed with utility data received. The key objectives; reduce energy consumption and lower greenhouse gas emissions. PCM mats were installed over suspended ceiling tiles.

Problem

Identify a "NextGen" energy saving technology that delivers results with a 24-48 month payback.

Solution

Install Insolcorp's PCM mats over ceiling tiles, installed at night, approximately 3 to 5 hours per site.

Results

- 31% Total HVAC Savings (Heat+Cool)
- 25% Cooling Savings
- 38% Heating Savings (gas + electric sites)
- Exceeded project targets

The results were measured using four months of post-install data and comparing this post-install data using 24 months of utilities by comparing the PCM period with the average of each month in the previous two years. Data was also normalized for weather using heating and cooling degree days.

13 Locations

AVERAGE LOCATION AREA:	4,850sf
INSTALL TYPE:	Above Ceiling Tiles
BASELINE:	24 Months Utilities 2016/17
PERFORMANCE:	4 Months Post Install Utilities



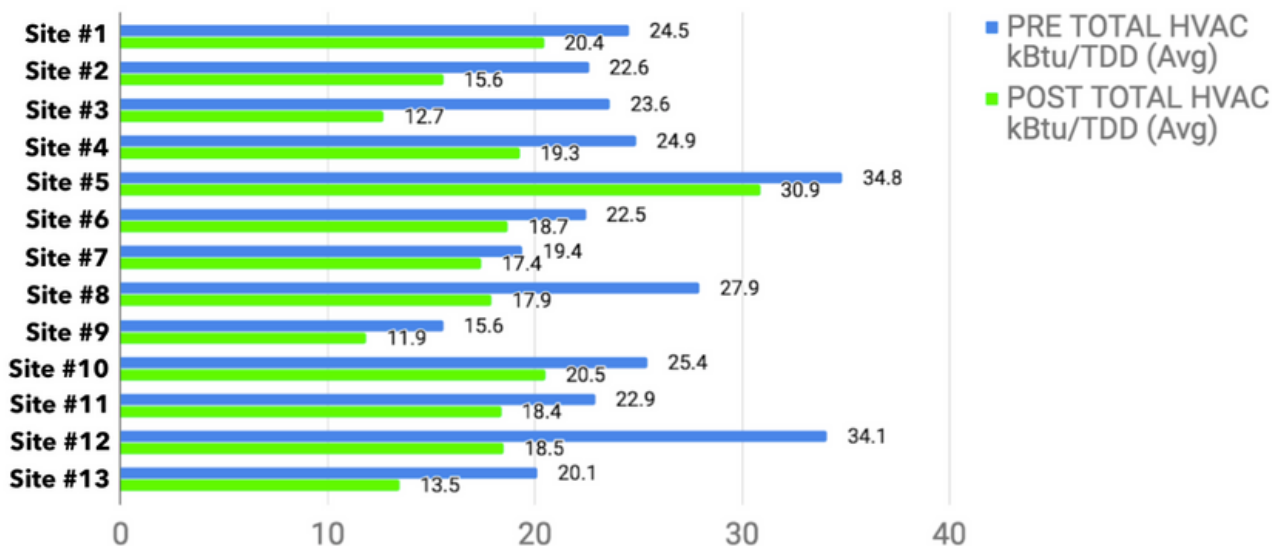
RESULTS

31% Total HVAC Savings

COOLING Energy Savings kBtu/SF/TDD



25% reduction in Cooling Energy Achieved across 13 sites.

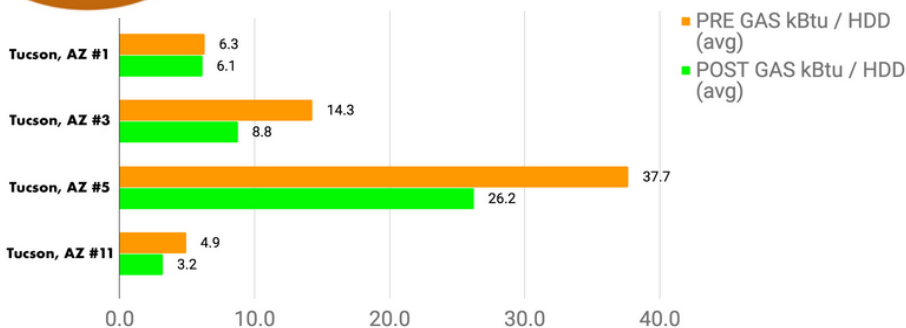


ALL ELECTRIC SITES Total kBtu's / Total Degree Day

HEATING Energy Savings kBtu/SF/TDD



38% reduction in heating achieved when combining Gas & Electric data. Gas only sites shown below.



GAS SITES - Gas kBtu's / Heat Degree Days

(800) 509-2199 www.insolcorp.com