

HVAC Savings

Energy Analysis Specialist

[Edition 1, Volume 1]

Save 50%, ROI = 1.4 years.

Fact or Fiction?

Newer technology allowed our clients to save between 40-67% on their bill.

Savings Guarantee

Miss our forecast? We pay the difference!

CEP advances savings through modern management of thermal resources. The

performance (savings) are continually stored in a data logger. This data may be

We were skeptical, but the PG&E assurance and data logging made believers out of us – especially when we got our first electrical bill.

basis of the savings comes from utilizing the unused capabilities of your 3 phase RTU. Currently units are either on or off. Digi does many things differently. When our Digi unit is installed, an operational baseline is created and stored. During a pre-selected period, the room(s) is/are characterized, and the RTU's profiled. Upon commissioning, the system

viewed and managed remotely and changed with proper permission. The protocol of the BMS is to modulate the fan and pump speeds in relation to thermal load, anticipated as well as in real time. That means that the BMS considers the prior temperature historical profiles and anticipates usage for the following day. During room management, air is continually measured

Tiered Solutions



CEP offers savings driven by our BES – Tech product line. Start slowly or move up the savings ladder. We install retro fit technology to your Roof Top Units (RTU). This includes a robust Building Management System (BMS), including state of the art wireless communications, controllers, cloud data storage, projected next day's thermal usage, CO2 monitoring, independent heat measurement, occupant recognition, remote control/management and individual RTU data logging.

for the number of humans in a room, as well as attributes such as CO2. This allows temperature deviation between set points to be minimized. In turn, hot starts are sharply reduced while fan speeds are modulated – resulting in significantly reduced electric expense. Additionally, expectations are for reduced maintenance, forecasted maintenance, remote diagnosis for parts inefficiency/failures, fewer hard starts, less usage on contact relays, starting capacitors and greater MTBF.

The best part of our story is that the ROI has been less than 2 years. Usually we are 1.2 to 1.4 years. There are 3 ways to finance:

- Cash - which has the advantage of immediate savings.
- Leasing – we have a preferred vendor and usually completed within 2 weeks, and
- On Bill Savings - PG&E believes in the savings. This takes the longest time (months).



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