

\$800K Energy Consumption Annually for University

The Project:

Tallahassee, FL -- Pure Air Control Services, an industry leader in mechanical and environmental cleaning technologies, tackled head-on, Florida State's (FSU's) dirty coils to provide the students and teachers a healthier learning environment.

Cleaning the coil with the environmentally friendly, and proven PURE-Steam method vs. the foam/rinse method that only superficially cleaned the surface of the coils and pushed small debris along with residue, further into the coil causing decreased air flow, a musty odor, and decreased temperature and humidity control and decreased the quality of the indoor air.









after

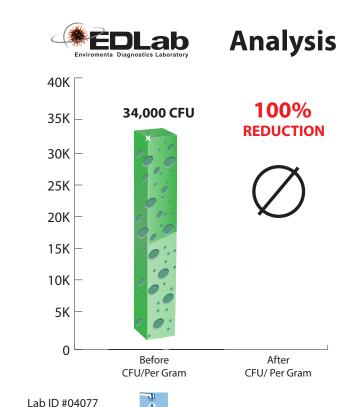
Solution:

A chemical free steam coil cleaning process so efficient and safe for the environment that in the first year of its implementation alone saved the university over \$800,000 of their power bills and were able to provide the students and teachers a healthier learning environment. Over the next five years FSU will have saved over \$4 Million from their energy budget. The estimated payback in less than eight (8) months was 157% return on investment (ROI).

Benefits of PureSteam:

PURE-Steam Coil Cleaning process is totally GREEN – uses no chemicals, utilizing a proprietary (up to) 350 degree steam for a deep cleansing of the coils helping to

- Sanitize the coils/blowers assembly (Green process)
- Removes latent debris from deep within the coils
- Creates improved air flow
- Create better cooling capacity
- Saving energy (approx .22 cents per sq ft)
- Improving indoor air quality
- Extends HVAC equipment life



ELITE

"I would estimate we are saving 7-10% on the rest is from an increased delta T across the coil which save between \$500K to \$800K to \$800K

Tom Shewan, PE Facilities Manager with energy savings from our steam coil cleaning process:



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