



Energy Analysis for 100 N. Tampa St.

Customer: Insignia Management, Inc. 100 N. Tampa St., Tampa, FL.

Description of Property: 42 Story high-rise office tower in downtown Tampa

Existing System:

100 Amp Coils wrapped 1 times

KW Meter Installed:

Removed:

Date 4/15/03

Date 5/16/03

Time 3:40 P.M.

Time 3:10 P.M.

Reading 20,474 KW X 8 coil scaling factor = 163,792 KW total consumption

Total recording time in hours 743.5 HR. Total KW 163,792 KW = 220.3 KW/HR. AVG.
743.5 HR

New System:

100 Amp Coils wrapped 1 times

KW Meter Installed:

Removed:

Date 5/19/03

Date 6/17/03

Time 3:30 P.M.

Time 2:20 P.M.

Reading 15,612 X 8 coil scaling factor = 124,896 KW total consumption

Total recording time in hours 695.3 HR. Total KW 124,896 KW = 179.6 KW/HR. AVG.
695.3 HR

Conclusion: Prior to retro-fit : 220.3 KW/ HR x 24 HR = 5,287 KW/day
Subsequent to retro-fit: 179.6 KW/ HR x 24 HR = 4,310 KW/ day
Average daily KW savings: 977 KW/ day

$977 \text{ KW} \times \$.08 = \$78.16 / \text{DAY ENERGY SAVINGS} \times 30 \text{ DAYS} = \$2,345 / \text{mo. energy savings}$

Therefore: \$2,345.00 x 12 MONTHS/YEAR = \$ 28,138.00 AVERAGE ANNUAL SAVINGS

Total cost of retrofit: \$88,276.00 divided by \$28,138.00 annual estimated savings = 3.13 years payback.

NOTE: *These figures were derived while the existing booster system was not fully operational (i.e Only 2-3 Pumps were operating) and a considerable amount of overtemperature water was being “dumped” to sewer waste each time the pump(s) were running. No measurement, or valuation was available for those water losses losses. We do feel however that they were considerable, but not added into the values above.*

September 16th, 2003

Resectfully submitted,

Mark Blais

President



100 North Tampa Street
Suite 2135
Tampa, Florida 33602

T 813 221 7195
F 813 222 8327

To whom it may concern,

Delta P Systems is a company I used to replace a domestic water booster pump system. The old domestic water booster pump system was an engineered system with a 20-year life expectancy that was only 10 years old and had major control and mechanical issues. I stumbled around looking for a suitable replacement and ran into a company that looked at this problem and offered a very quick and easy solution. So quick that I almost didn't think it could be done. Delta P Systems is different than any company that I have ever done business with before. The system was installed over a weekend, and has run trouble free since. This system is quiet, smooth, and operates with very close pressure ranges. The service department has tuned the system to fit the building far better than ever expected. I highly recommend Delta P Systems, Inc. for their knowledge and skills in packaged pumping systems.

I am the Chief building engineer for the "100 North Tampa" building in Tampa, FL. This is a 42-story high-rise office building.

Sincerely,

Doug Lawson
Chief Building Engineer
100 N. Tampa Building