



HURLEY ENGINEERING

Grundfos BoosterpaQ Saves Time and Money for 47 Story Seattle Office Tower

Recently Hurley Engineering Company sold and consulted during the installation of another Grundfos BoosterpaQ system in a 47 story Seattle office tower. The whole process came together because the senior management team was looking to save both time and money on the buildings domestic and chilled water systems.

Initially a baseline for energy consumption was created by Seattle City Light. Upon completion of the BoosterpaQ installation a follow up energy audit was completed and a rebate check for over \$26,000.00 was presented to the property management company. According to an internal audit the property management company estimates that by changing the current system to a Grundfos BoosterrpaQ system they will save an average of 8-12 man hours a week (about \$48,000 a year), plus the \$4800 they were budgeting every nine months for system rebuilds. On top of that, the Energy Audit predicted about \$25,000 a year savings in electricity for the building.

The BoosterpaQ system that was installed consisted of 3 pumps and one local VFD controller. This system not only replaced the demands of the old, three pump system, but also allowed the system to *bypass* an intermediate 3 pump booster system located in an upper level mechanical room (the savings for this booster system were not calculated).

The new Grundfos BoosterpaQ system will also empower the building maintenance staff to maintain and make repairs as needed themselves. Grundfos pump features such as the new cartridge seal and stack kit (impellers, shaft and chambers all in one unit),
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The NEW Grundfos BoosterpaQ system



Old system replaced by the Grundfos BoosterpaQ

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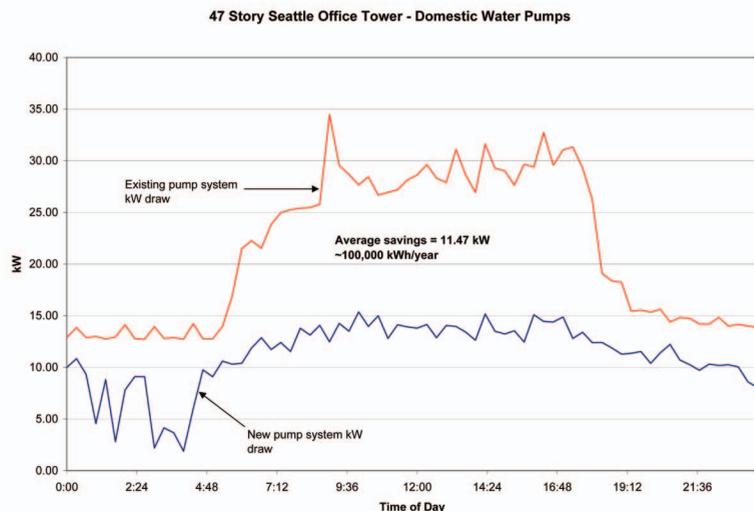


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make it possible to repair the liquid end of the pump in less than 30 minutes. For a simple 15 minute seal replacement, the motor does not even have to be removed. The pump system was engineered with three similar pumps so that one stack kit and seal kit could be kept at the site for emergencies. Hurley Engineering Co., the local Grundfos representatives stock all of the normal seal kits.

The Management Company was elated with the Grundfos equipment and installation saying “...with all the changes, the support of the local reps Hurley Engineering, and Grundfos, we are good to the tune of \$55,400 in savings per year.” Now that’s something to get excited about.

If you are interested in seeing what a Grundfos BoosterpaQ system could do for your building, existing or planned, contact Hurley Engineering Company today for more information.



Energy Chart shows the difference in electricity consumption between the NEW Grundfos BoosterpaQ system and the old system.

GRUNDFOS BOOSTERPAQ



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