INTELLIGENT PUMPS EXCEED SAVINGS ESTIMATES

A COMMERCIAL FACILITY INSTALLATION

Heron's Hill

Design Envelope 6800 boosters are pre-assembled, compact systems. With Vertical Multi-stage pumps, these systems are energy-efficient and require minimal maintenance for reliable, long-term occupant comfort.

Design Envelope 6800 boosters reduced energy consumption by 76% compared to previous boosters, resulting in annual cost savings of $4,400 per system.

"We're extremely happy with Armstrong's product and Hart Pump's installation. The new equipment has exceeded all our expectations for energy savings".

John Haylock

Head of Community Operations, Taylor

Background

The Heron's Hill office complex includes two A-class office buildings and a parking garage, offering businesses easy access major highways and to the amenities of North Toronto. The Heron's Hill community team offers on-site support for businesses and organizes various activities to engage employees. The City of Toronto also has a strategic plan called Consumers Next for connecting North Toronto with Markham/ Richmond Hill and Scarborough.

Hart Pumps was approached by John Haylock, Head of Community Operations at Taylor+, to upgrade the facility's pumps with new, smart booster sets. John has extensive experience in the industry and was aware of Armstrong's Design Envelope technology. The Building Management team approved a project to remove the existing pumps and install two 6800 Design Envelope Booster systems as recommended. John was highly impressed with both the quality of the equipment and the installation team provided by Hart Pump.

The assessment conducted using Armstrong's retrofit estimating tool (EPIC) found that the previous booster sets consumed 45,000 kWh per year. The Design Envelope 6800 booster sets were estimated to reduce energy consumption to less than 25,000 kWh. However, the pumps exceeded expectations by decreasing energy consumption to just 10,800 kWh/year: a savings of 76%. This reduction is anticipated to generate cost savings of $4,400 per set on an annual basis.

Tech-info

- 2 Armstrong Design Envelope 6800 boosters

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