

Lake Louise Inn. Alberta



SITE INFO

PIRANHA T10

HOSPITALITY & LAUNDRY

247 ROOMS

SEPTEMBER 2018

PRODUCT
INSTALLED

PROJECT TYPE

PROJECT SIZE

COMMISSIONED

Commercial Laundry in Beautiful Banff

Lake Louise Inn (LLI) is a 247 room resort nestled within the breathtaking Rocky Mountains in Banff National Park, part of a UNESCO World Heritage Site.

Utilizing a **PIRANHA T10** to collect the hot wastewater discharge from their laundry systems, Lake Louise reduced their laundry water heating energy demand by as much as 45%.

Their **PIRANHA T10** wastewater heat recovery system intercepts laundry room wastewater, extracts heat from it and uses that heat to offset the energy required by the hotel to heat water for the laundry.



QUICK FACTS

137 MWh/year
heat output

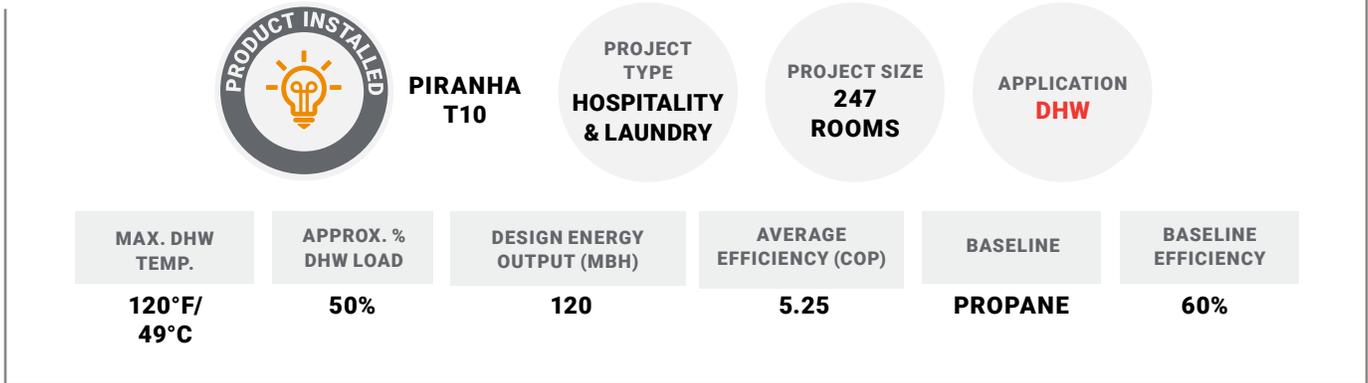
PIRANHA
significantly reduced
load and runtime
of boilers

32,000 litres
of propane
saved per year

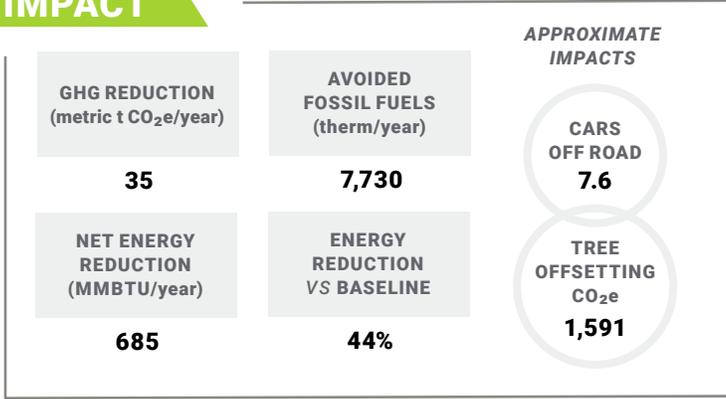
Lake Louise Inn's
laundry room
hot water
is propane heated

Lake Louise Inn.

SPECS & PERFORMANCE



IMPACT



GLOSSARY

DHW · DOMESTIC HOT WATER
COP · COEFFICIENT OF PERFORMANCE
 AVERAGE EFFICIENCY (i.e. 3.7=370%)

HEATING ASSUMPTIONS
 BOILER AT OPTIMUM CONDENSING

RESULTS

FROM 2 WEEK AUDITED TRIAL (2018)

- ✓ Ran an average of **10.7 hours per day**
- ✓ PIRANHA **output 375 kWh of heat per day** (1.28 million BTU) the equivalent of heating nearly 6,500 litres (1,700 US gallons) of water from 10 to 60°C (50 – 140°F)
- ✓ PIRANHA **reduced propane requirement** by 1,240 litres (327 gallons) the equivalent of 1.93 tonnes of CO₂e



Contact SHARC to find out more!

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