



CASE STUDY

SURREY SCHOOL DISTRICT

School District 36 Surrey, the largest in BC, serves 80,208 students across Surrey, White Rock, and Barnston Island. Established in 1906, it operates 124 schools and is Surrey's largest employer with 12,540 staff.

CHALLENGE

Despite being a well-maintained educational facility, the schools outdated lighting system resulted in high energy consumption and increased operational costs. Frequent maintenance requirements further strained resources, while inconsistent lighting levels affected visibility and learning environments. The school needed a cost-effective and minimally disruptive upgrade to modernize its lighting infrastructure.

SOLUTION

Radiance Energy conducted a comprehensive lighting audit and proposed a modern LED lighting retrofit. The project involved the installation of energy-efficient LED fixtures, which provided significant cost savings while improving light output. Network lighting controls were integrated to enhance energy management, ensuring optimized usage. Additionally, outdated lighting systems were properly recycled and disposed of, contributing to environmental sustainability. With a comprehensive 5/10-year warranty, the upgrade ensures long-term maintenance-free operation.

PROJECT SUMMARY

This LED upgrade aligns with Surrey School District's sustainability objectives, delivering significant cost savings while enhancing the learning environment. The successful implementation of this project further solidifies Radiance Energy's commitment to delivering intelligent and sustainable solutions.