Sustainable Campus Energy and GHG Projects

Collège Jean-de-la-Mennais



- **Description**: Collège Jean-de-la-Mennais is a private secondary education establishment located in La Prairie, Quebec, near Montreal. It welcomes around 1,700 students and houses the Frères de l'instruction Chrétienne. Comprised of 18 wings, the College covers an area of about 506,000 square feet (47,000 square meters).
- **Project Location**: La Prairie, QC
- **Project Duration**: 15 years and 9 months
- **SOFIAC Investment Cost**: $3 Million
- **Principal Measures**:
    - Efficient lighting
    - Heat recovery, heat pumping, and heating network optimization
    - Optimization of ventilation systems
    - Conversion of gas heating with aerothermia
    - Recommissioning
- **Energy Savings**: 34% reduction of energy consumption, including 57% natural gas
- **GHG Emissions Reduction**: 57% avoided GHG emissions, representing 637 tCO2eq/year
- **Cost Savings**: $262,000 in annual savings, representing a 29% reduction
- **Stakeholders Involved**: Johnson Control, Hydro-Québec, Énergir
- **Primary Contact**: Sophie Bergeron-Leblanc/ VP Finance/ bergerons@jdlm.qc.ca

Collège Bourget



- **Description**: Founded in 1850, Collège Bourget is a non-profit private educational institution offering French education from preschool to the end of secondary school, and English education from grades 9 to 12. Known for its beautiful natural campus, excellent facilities, and sports programs, the college supports students in achieving success. Since 2022, it has been engaged in an ecological transition process in collaboration with Lab22.
- **Project Location**: Rigaud, QC
- **Project Duration**: 16 years and 2 months
- **SOFIAC Investment Cost**: $4.8 Million
- **Principal Measures**:
    - Optimization of heating water production
    - Optimization of the ventilation unit in one of the wings
    - Recommissioning of mechanical systems (RCx)
    - Rate optimization and consolidation of electrical meters
    - Demand management
    - Modernization of the kitchen hood
- **Energy Savings**: 37% reduction of energy consumption
- **GHG Emissions Reduction**: 87% avoided GHG emissions, representing 1200 tCO2eq/year
- **Cost Savings**: $180,000 in annual savings, representing a 29% reduction
- **Stakeholders Involved**: C-Nergie, Environnement Québec, Hydro-Québec, Énergir
- **Primary Contact**: Stéphane Amyot/ VP Finance/ stephane.amyot@cbourget.ca

Campus Notre-Dame-de-Foy (CNDF)



- **Description**: Campus Notre-Dame-de-Foy (CNDF), founded in 1965 and designated a heritage site in 2016, is a private college in Saint-Augustin-de-Desmaures, near Quebec City. With over 1,200 students, CNDF offers diverse programs, including civil security, fashion, music, and early childhood education. The campus, large enough to hold 35 football fields, is renowned for its stunning location, exceptional sports facilities, and personalized support.
- **Project Location**: Saint-Augustin-de-Desmaures, QC
- **Project Duration**: n/a
- **SOFIAC Investment Cost**: $5.7 Million
- **Principal Measures**: n/a
- **Energy Savings**: 33% reduction of energy consumption
- **GHG Emissions Reduction**: 40% avoided GHG emissions
- **Cost Savings**: n/a
- **Stakeholders Involved**: Johnson Control, Hydro-Québec, Énergir
- **Primary Contact**: Caroline Roy/ Executive Director/ royc@cndf.qc.ca