80kW Solar panel installation at
Pender Harbour Elementary School, SD46

Solar Power System Design

Solar Power Advantages

Solar power utilizing photovoltaic (PV) technology is a renewable energy solution that is increasingly being used across Western Canada. Commercial and institutional buildings find solar power to be an attractive energy solution due to several advantages:

Green Energy	Flexibility	Affordability
Clean and silent energy production that does not create more air or water pollution beyond the manufacturing process.	Sized to fit your energy requirement and easily expanded to adapt to your needs.	Growing industry means lower prices for products, installation, and maintenance. Incentive funding may also be available from utilities or municipalities.

Prism Engineering has extensive knowledge and experience in designing and implementing the most appropriate solar power systems to meet your needs.

Prism
ENGINEERING

We help you navigate all aspects of solar power system design and support you throughout the entire process from idea to implementation.

Our services

Design

- **Simulation based on location and weather data** to estimate energy production on a monthly and annual basis.
- **PV panel layout design** to best utilize your available space and surfaces.
- **Analysis and Concept Report**
- **Comprehensive electrical design,** including building mounted systems, off-grid systems, grid-tied systems and hybrid systems that blend the best of both.
- **Reduce your reliance on public utilities** by connecting to batteries or back-up generation to create an independent PV system and avoid the cost of extending power lines. Go off the grid.

Implementation Support

- **Documentation:** We provide all necessary documentation and support services required to obtain competitive tender pricing for purchase and installation.
- **Project management:** We work with contractors and suppliers to ensure that quality products and workmanship are delivered.
- **Training staff on operation & maintenance** of the implemented solar power system and assistance in developing maintenance programs.
- **Monitoring of energy production** to track results, communicate success to stakeholders, and catch potential problems.

Prism ENGINEERING

From design to implementation, we provide energy management, electrical and mechanical engineering, utility monitoring and sustainability consulting to help our clients create a greener, more energy-efficient world.

7 LOCATIONS TO SERVE BC Burnaby + Kamloops + Kelowna + Nelson + Revelstoke + Squamish + Victoria

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