FURANO
PACIFIC CONSULTING

CAPABILITY SHEET
2026

Power systems, energy and renewables

Modelling, protection and interconnection that hold up with the utility

Power system modelling, protection design and interconnection submissions that survive review by the utility and the authority having jurisdiction, and a stamped set the contractor can build from.

WHAT WE DO

Models that match what gets built
Short circuit, load flow, motor starting, arc flash and harmonics studies, calibrated against measurements where they exist, with the model file returned to you.

Protection the utility will sign
Coordination studies, relay setting calculations and submission packages formatted for BC Hydro, FortisBC, SaskPower, ATCO and municipal utilities.

Interconnection that does not stall
Pre-application screens, single-line and three-line diagrams, settings tables and the documentation the utility asks for.

Energy systems for owners
EV-Ready retrofits, energy management system load control, solar interconnection and energy modelling for owners after a utility-bill outcome rather than a label.

SERVICES

- Power system modelling
- Short circuit, load flow, motor starting and harmonics studies
- Protection coordination and relay settings
- Arc flash analysis (CSA Z462)
- Interconnection studies and submission packages
- EV-Ready and energy management system design
- Solar PV interconnection
- Energy modelling (BCBC, NECB, LEED)
- Substation and feeder studies
- Code consulting (Canadian Electrical Code and provincial amendments)

WE LEAD WITH

Multifamily EV-Ready program work
Feasibility assessments, conceptual designs and infrastructure implementation for 100% EV-Ready buildings.

Municipal feeder and substation studies
Capacity, protection and reliability studies for municipal utilities and self-distribution clients across BC.

Solar and battery interconnection
Behind-the-meter and small embedded generation interconnection design and submissions for commercial and light-industrial clients.

WHY OWNERS HIRE US

- We design with the utility, not at it. Settings packages are formatted for the relay engineer's day, not the consultant's.
- Energy management systems designed into multifamily and workplace charging for years.
- Calibrated models. We measure where we can, and we say where the model assumes.
- Every model and every settings file is reviewed by a second engineer before it is issued.

SEND US YOUR SINGLE-LINE. WE WILL TELL YOU

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