

4.5 kw Grid-Tie *with battery back-up*



Owner: Trevor and Trish Reeves

Location: a rural home south east of Dawson Creek. South-facing roof with some winter shading from near by trees and hills.

Description: this is a 4.5-kilowatt grid-tied solar array with battery back-up system. Circuits for the furnace, freezer, fridge etc. were wired into a separate fuse box so that the battery bank would be used during grid failure to run just those critical loads, reducing battery size and cost.

“Smart” solar modules were chosen to minimize the effects of shading, and a Tigo internet-based monitoring system gives Trevor and Trish instant access to their system performance anywhere in the world.

“ We have had a lot of power outages here, so we needed an ‘insurance policy’ for our house – the furnace and freezers, that sort of thing – so if we are away in the winter, the house and food would survive. We have the security of knowing that our house can continue to run off-grid if it needs to, and meanwhile we are pumping the greenest possible electrons into the grid. That’s a good feeling! ” Trevor and Trish Reeves

INCLUDED in this custom grid-tie package:

- System design and equipment by Peace Energy Co-op
- (18) 250 watt “Smart” solar modules
- Fast Rack roof mounting system
- (8) sealed gel maintenance-free batteries
- Tigo remote monitoring system
- 4.8 kilowatt grid-tie inverter
- Installation by Moch Electric Ltd., Dawson Creek
- System performance follow-up and monitoring



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For more information about your solar power needs, please call Peace Energy Co-op.

We love to talk solar!

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