

## BC Hydro Distributed Generation Interconnection Practices (distribution-connected projects only\*\*)

	Program Type	Interconnections					
		Size	Required Studies	Study Costs	Agreements	Customer Upgrades	Interconnection and System Upgrades
BC Hydro Offered Programs – Clean or Renewable Generation	<b>Net Metering (RS 1289)</b> <ul style="list-style-type: none"> <li>open to BC Hydro customers</li> <li>load displacement plus NM energy price paid for annual excess</li> <li>tariffed process (Rate Schedule 1289)</li> </ul>	0 kW to 50 kW	Simple Net Metering: None Required <sup>1</sup> Complex Net Metering: Technical screen	\$0 <sup>2</sup>	No Interconnection Agreement (terms and conditions are in RS 1289)	Customers are required to upgrade their service at their cost.	System upgrades are paid by BC Hydro
		Over 50 kW to 100 kW	Technical screen <sup>3</sup>	Incremental costs <sup>4</sup>			System upgrades are paid by the Customer <sup>5</sup>
	<b>Micro-SOP</b> <ul style="list-style-type: none"> <li>open to IPPs and BC Hydro customers (net of load)</li> <li>single energy price for all energy</li> <li>simplified EPA</li> </ul>	Over 100 kW to 1 MW	Basic Distribution Information Request.	First two requests per year – free. Additional requests - \$200	Simplified Interconnection Agreement	Customers are required to upgrade their service/build their interconnection facilities at their cost.	<ul style="list-style-type: none"> <li>Customers provide security (Letter of Credit) in the amount of the estimated network upgrades costs.</li> <li>BCH covers \$150,000 per MW of installed capacity.</li> <li>Reduction of security is governed by the applicable Interconnection Agreement. See also Interconnection Security Methodology posted at <a href="https://www.bchydro.com/accounts-billing/new-electrical-connections/generator-interconnections.html">https://www.bchydro.com/accounts-billing/new-electrical-connections/generator-interconnections.html</a></li> <li>Network upgrades costs and construction schedules are project-specific. Estimates of costs and schedules will be provided in study reports during the interconnection process.</li> </ul>
			Screening Study	\$5,000 flat fee			
			No additional studies needed <sup>6</sup>				
	<b>SOP</b> <ul style="list-style-type: none"> <li>open to IPPs and BC Hydro customers (net of load)</li> <li>energy price varies at time of delivery</li> <li>EPA</li> </ul>	Over 1 MW to 15 MW	Basic Distribution Information Request	First two requests per year – free. Additional requests - \$200	Standard Interconnection Agreement	Customers are required to upgrade their service/build their interconnection facilities at their cost.	<ul style="list-style-type: none"> <li>Network upgrades costs and construction schedules are project-specific. Estimates of costs and schedules will be provided in study reports during the interconnection process.<sup>8</sup></li> </ul>
			Screening Study	\$5,000 flat fee			
			System Impact Study	\$20,000 - \$80,000 <sup>7</sup>			
			Facilities Study	\$40,000 - \$175,000 <sup>7</sup>			
	<b>Power Smart Load Displacement (selected via the Integrated Customer Solutions process)</b> <ul style="list-style-type: none"> <li>open to commercial and industrial customers</li> <li>incentive funding for load displacement projects</li> <li>Load Displacement Agreement</li> </ul>	Over 100 kW to 1 MW	Same as Micro-SOP	Same as Micro-SOP	Simplified Interconnection Agreement	Customers are required to upgrade their service/build their interconnection facilities at their cost.	<ul style="list-style-type: none"> <li>Network upgrades costs and construction schedules are project-specific. Estimates of costs and schedules will be provided in study reports during the interconnection process.<sup>8</sup></li> </ul>
Over 1 MW to 15 MW		Same as SOP	Same as SOP	Standard Interconnection Agreement	Customers are required to upgrade their service/build their interconnection facilities at their cost.		
Other	<b>Other Customer Generation Projects</b> <ul style="list-style-type: none"> <li>for projects that do not fit into programs above</li> <li>open to research, pilot/educational projects, projects generating intermittent energy as a result of existing industrial process</li> <li>no payment for energy</li> </ul>	Up to 100 kW	Technical Screen	Same as Net Metering Incremental costs <sup>4</sup>	Simplified Interconnection Agreement	Customers are required to upgrade their service at their cost.	<ul style="list-style-type: none"> <li>Customers provide advanced payment in the amount of the estimated network upgrades costs. Final costs are based on actuals.</li> <li>Network upgrades costs and construction schedules are project-specific. Estimates of costs and schedules will be provided in study reports during the interconnection process.</li> </ul>
		Over 100 kW to 1 MW	Same as Micro-SOP	Same as Micro-SOP	Simplified Interconnection Agreement	Customers are required to upgrade their service/build their interconnection facilities at their cost.	
		Over 1 MW to 15 MW	Same as SOP	Same as SOP	Standard Interconnection Agreement	Customers are required to upgrade their service/build their interconnection facilities at their cost.	

\* This table is intended as an overview of current practices only. Project-specific requirements may vary.

\*\* Interconnection requests for transmission-connected projects follow the Standard Generator Interconnection Procedures found in Appendix M-2 of BC Hydro's Open Access Transmission Tariff (OATT). For more information, see <https://www.bchydro.com/accounts-billing/new-electrical-connections/transmission-generator-interconnections.html>

1 Basic technical screen – no detailed studies. For areas of high penetration, BC Hydro may reject project.

2 For synchronous generators and customers connected at a primary potential and customers with generating facilities with a nameplate rating greater than 50 kW, customers are responsible for incremental costs.

3 Technical Screen scope for DG >50 kW includes a review of power flows and BC Hydro equipment ratings, a comparison of generator size to minimum feeder section load, a check of total generation on the feeder, and a short circuit study and protection review.

4 Typical range of interconnection review costs for Net Metering applications up to 50 kW, other than at primary potential or with synchronous generators:

Project Type	Technical Review
Simple Projects	Minimal
Complex Projects	\$500-\$1,000

5 Costs are dependent on location, generator size, feeder available capacity, condition/limitations of the substation. Note: There are no pioneer rights.

6 Projects that fail any of the screens will be required to complete the System Impact Study and/or Facilities Study.

7 Costs may be less or greater depending on project specifics.

8 Interconnection costs are included in incremental project costs when calculating the Load Displacement incentives.