

BCSSIA SOLAR VISION FOR BRITISH COLUMBIA



Enough BC Solar Generation by 2030 To Power All the EV's (Electric Vehicles) Needed To Meet BC's Zero Emission Vehicles Act¹

The benefits of Solar Power are sweeping the Globe - and are unstoppable.

Enabling BC Solar projects at utility-scale will bring significant capital investment to British Columbia — as well as hundreds of new high-paying clean power jobs and careers to the rural regions of our province.

Under our **Solar Vision for British Columbia**, new BC solar projects will be planned, designed, permitted, financed and built so they may be gradually assimilated into the power system. This is needed so that solar at utility scale can deliver the substantial economic, job creation and climate benefits to British Columbia — and help power the rapidly growing numbers of EV's that will be on our roads and highways.

The BCSSIA estimates that 1,000 MW (megawatts) of BC's best utility scale solar projects can generate all the electricity² needed to power the estimated 500,000 EV's that are expected on BC roads by 2030.

In order to achieve the benefits of that vision, BC policy makers like others around the world must begin implementing the benefits of BC solar at utility-scale in coming years.

This will ensure new solar generation projects may be planned, designed, permitted, built and integrated into the BC system in time to serve the rapidly growing EV electricity load. BC expects more than 200,000 EV's on BC roads by 2025, which could be powered by some 400 MW of BC solar projects. What could be better for our province and all British Columbians?



FOR MORE INFORMATION PLEASE CONTACT: BC Solar and Storage Association

¹ The Province of BC passed the Zero-Emissions Vehicles Act (ZEV Act) on May 30, 2019. The ZEV Act requires automakers to meet an escalating annual percentage of new light duty ZEV sales and leases, reaching 10% of light-duty vehicles sales by 2025, 30% by 2030, and 100% by 2040.

² The BCSSIA calculates that EV adoption and growth rate of 2% annually will result in +500,000 EV's on BC roads by 2030. The EV's will require 2,000 GWh/year of energy which can be supplied by 1,000 MW of capacity from BC's best utility-scale solar projects based on professional modelling and engineering studies already completed.