



Background

BC emissions reduction target of 40% by 2030 and 80% by 2050 from 2007 level Island Generation wants P11 to convert some of its CO2 emissions to value-added products **Reduce emissions and make a profit**

CO2, EO, and MeOH to DMC, EG and EC



Societal Needs



DIMETHYL CARBONATE (DMC) PRODUCTION FROM CARBON CAPTURE AND UTILIZATION

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Plant Layout



Environmental Assessment



Brownfield site on demolished pulp and paper mill



Utility wastewater treated at nearby facility

EO and MeOH waste transported off site for treatment and reuse



No direct air pollutant emissions







