




CANADIAN
Vitality Pathway

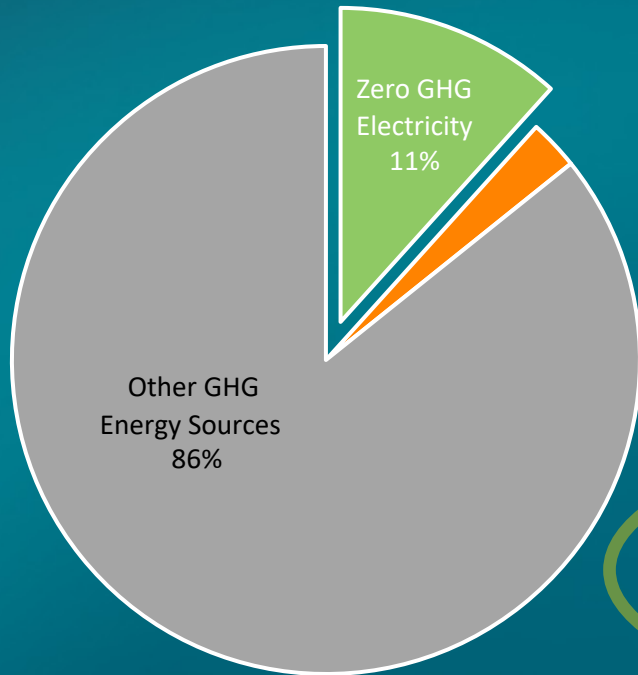
WHEN?



CANADA'S LOW CARBON CORRIDOR

Decarbonizing Canada's energy supply by 2050 is unlikely to be achieved through electrification alone, hydrogen with CCUS is a critically important tool

CANADA ENERGY USE TODAY VS 2050



Today

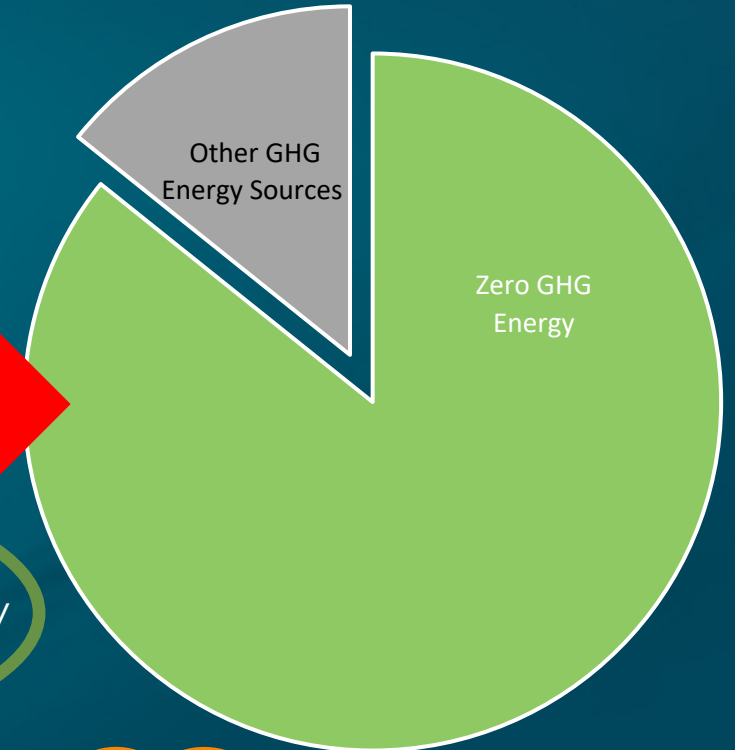
Electrification only with H₂ by Electrolysis

- ~ 8-10x growth over current capacity
 - Equivalent of 653 Site-C dams or
 - ~ 220,000 4MW wind turbines

Moon Shot Decarbonization Goal – Net Zero by 2050

Electricity + H₂ Derived from Hydrocarbons

- ~ 2x growth over current electricity capacity
- Conversion of current NG supply to H₂
 - CCUS critical to success

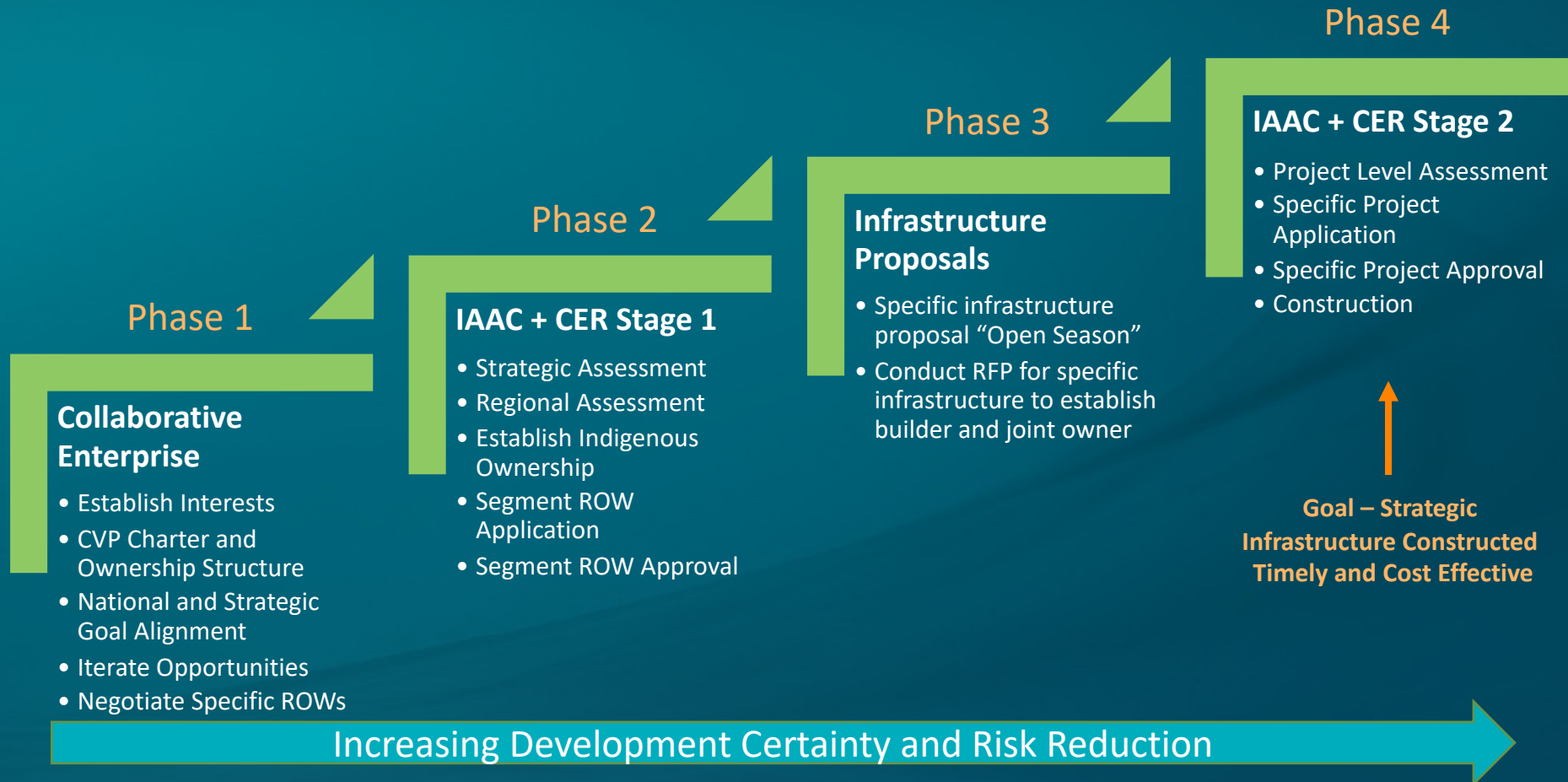


2050

- Cost effective
- Fast
- Efficient

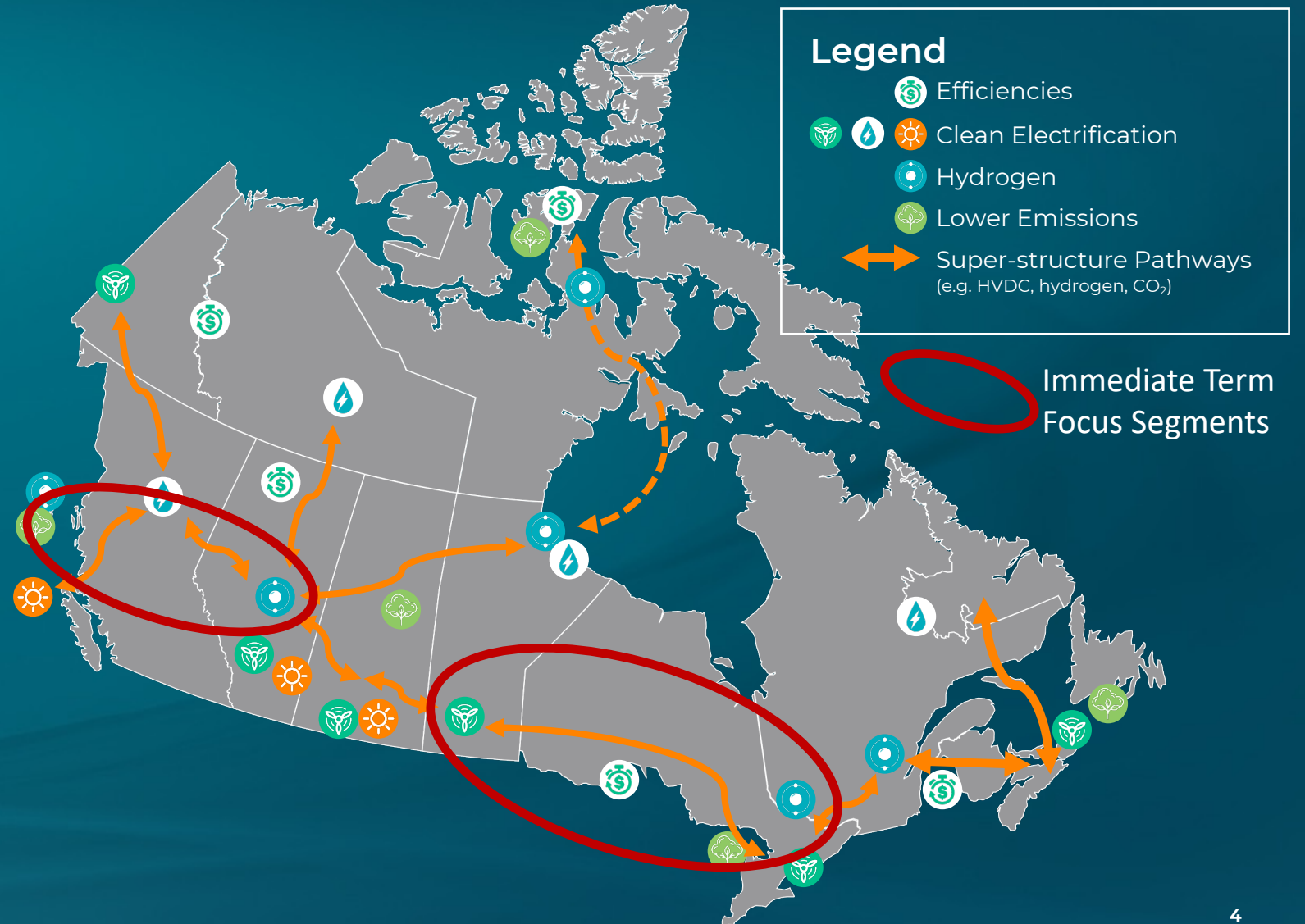
The CVP is building trust, confidence and social license for nationally strategic decarbonization infrastructure in phases

PHASES OF CVP INFRASTRUCTURE ADVANCEMENT PROCESS



NATIONAL DECARBONIZATION SUPER-STRUCTURE PATHWAYS

Significant latent carbon reduction can be realized with early segment development between BC-AB and MB-ON



Specific segments driven by regional commercial priorities serve as a template for future connections

PROPOSED TIMELINES

