

Hydrogen in Canada

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Canadian
Hydrogen
Association

Association
Canadienne de
L'hydrogène



**Hydrogen
Ontario**

200+ members



Sponsoring



Canadian Nuclear Laboratories
Laboratoires Nucléaires Canadiens



National Research Council Canada

Conseil national de recherches Canada



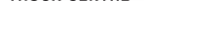
Executive



Industry



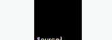
Small Business/ End User



Academic/ Consultant



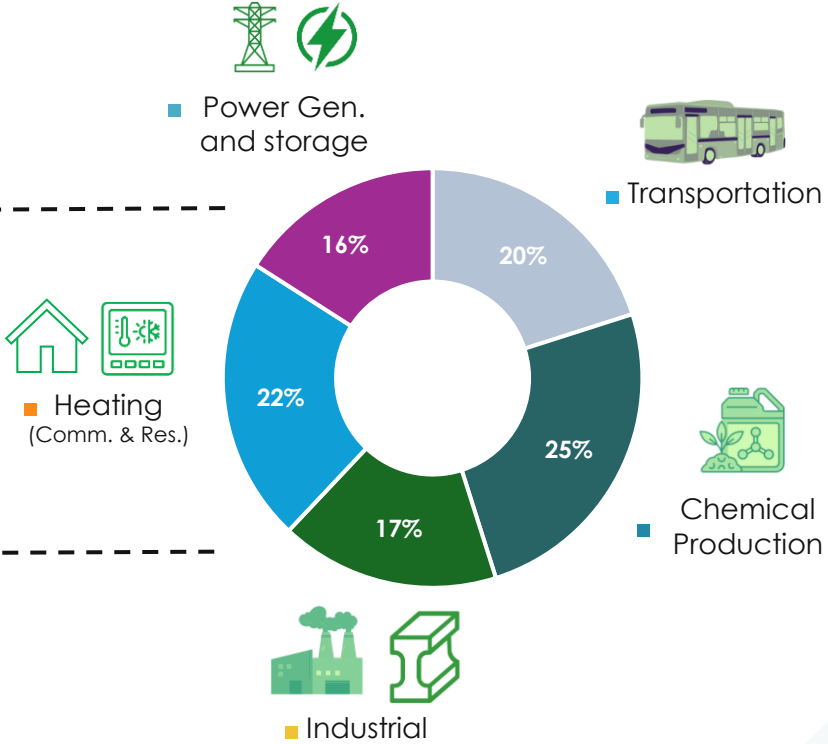
Start-up



Canadian H2 market by 2050

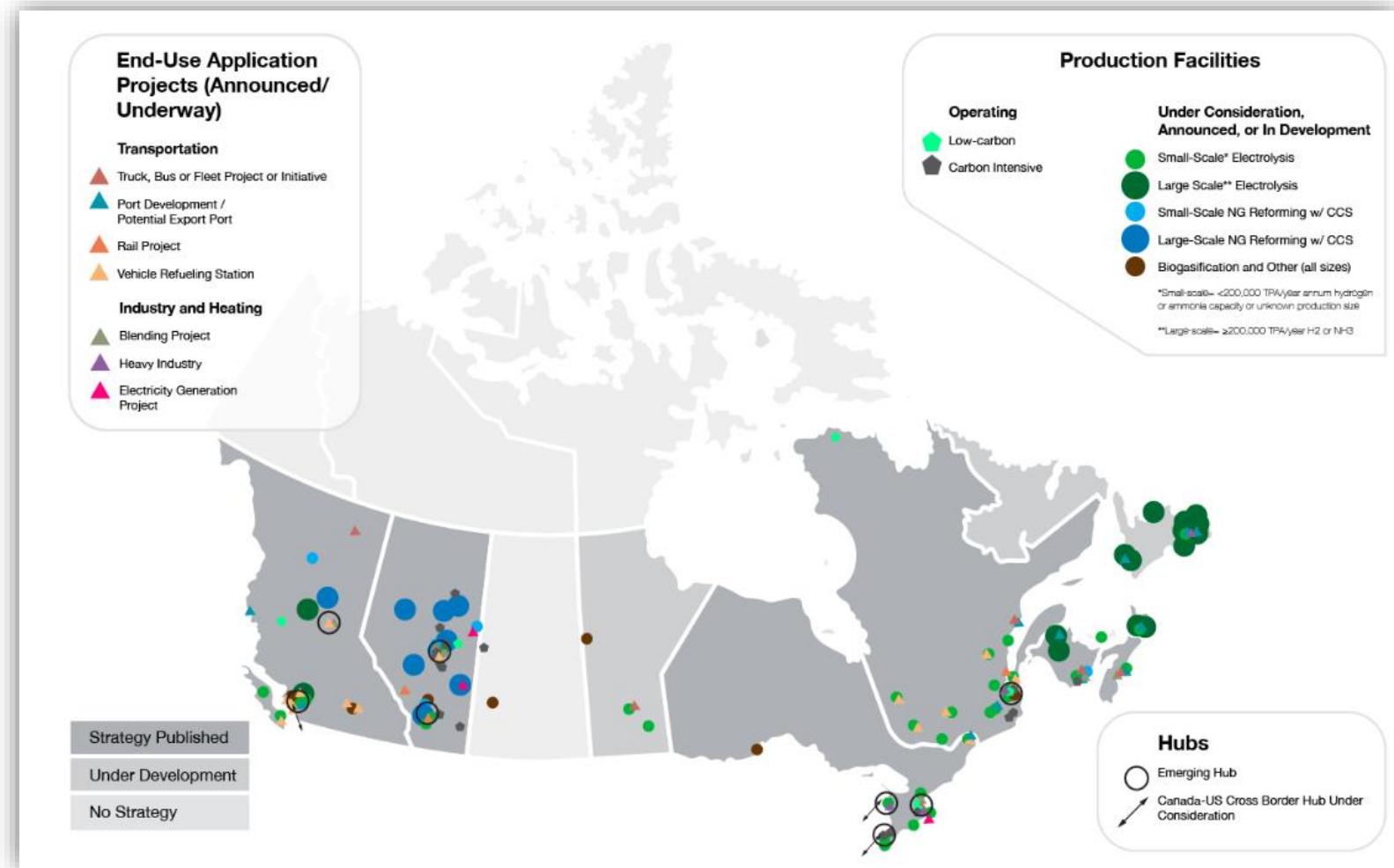


Canada H₂ \$40B
Ontario H₂ \$10B

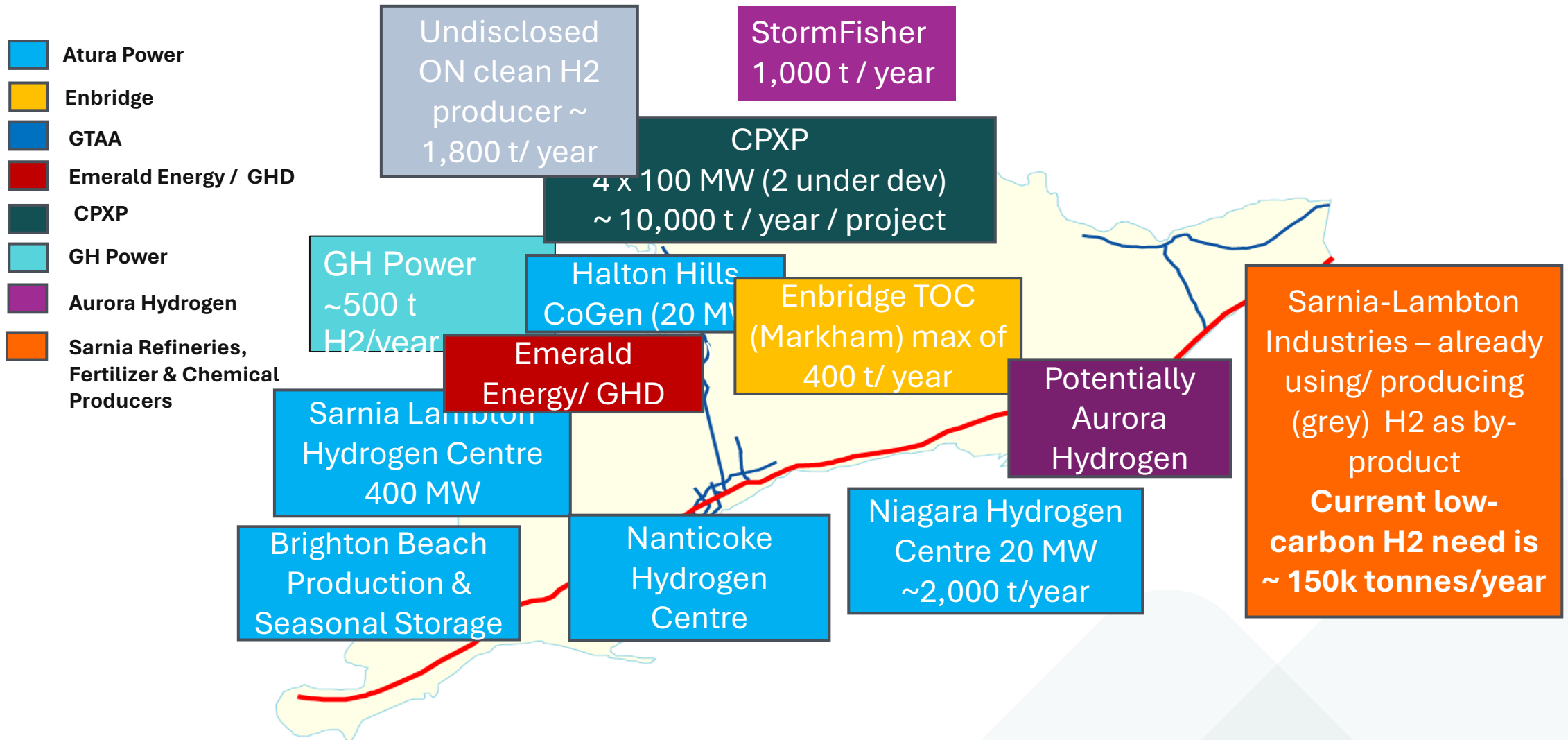


Hydrogen Developments since 2020

- **13 low-carbon hydrogen production facilities in operation: 6 electrolytic & 7 natural gas + CCS**
- **80 production projects** have been announced since 2020: **5 Mt+ of annual low carbon hydrogen production capacity / \$100+ billion** in potential investment
- 23 of the announced projects are **export projects**
- **Truck, bus, train trials** underway in BC, AB, MB, ON, NS
- Several **refueling stations** in operation in AB, BC, ON, QC
- **Natural gas blending** in AB and ON servicing ~ 2,000 and 3,000 households respectively
- **Innovative hydrogen production technologies** on the verge of commercializing, e.g. GH Power, Aurora Hydrogen, CurveH2 and others



Hydrogen Supply Options (status: Jan 2025)





Thank you. Merci. Miigwech.