

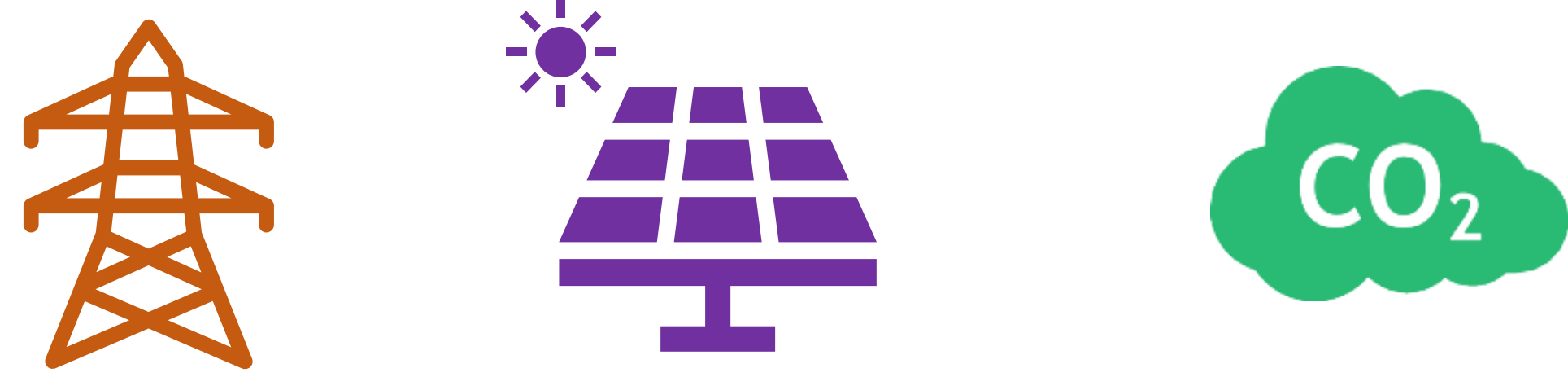


Ontario's Ministry of Energy

The Strategic Policy and Research unit at Ontario's Ministry of Energy coordinates cross-cutting issues within the Ministry of Energy and with other partners, including cabinet coordination, long-term energy planning, and climate change resilience and adaptation policy and research

Current priorities

Electrification, decarbonization, & clean technologies



Core Project Contributions

Cost-Effective Pathway Study

- Prepared energy transition charts with multiple technologies & climate scenarios
- Researched energy calculator workings, benchmarked its benefits & drawback to feed into energy calculator development tool
- Provided insights on the cost-effective technology models like District energy model – effective rate, pipeline efficiency, life span etc.

Ontario's Electrification & Energy Transition Panel

- Deconstructed roundtable engagements with multiple stakeholders into policy options to aid panel members for decision-making & report input
- Prepared meeting notes, agenda meetings, stakeholder notes & analysis
- Assisted in drafting the interim report for ETTP

Role of Hydrogen in Ontario

- Led the development and research of a presentation on identifying critical success factors for hydrogen in Ontario, market gaps, opportunities from production, deployment & economic lens
- Recommended 21 step action plan for Ontario's hydrogen roadmap to drive trade, job-creation, energy transition & decarbonization
- Collaborated with key ministries like Ministry of Transportation, Ministry of Economic development, Job Creation & Trade

New Skills & Knowledge

Skills

- Designing and driving insights from a large, complex regulatory – energy, economic policies, rules & models
- Policy planning & policy advisory
- Policy writing through notes, debriefs, report, storytelling concepts through slides
- Energy policy analysis and its impact on economy, energy sector & community planning , regulatory impacts

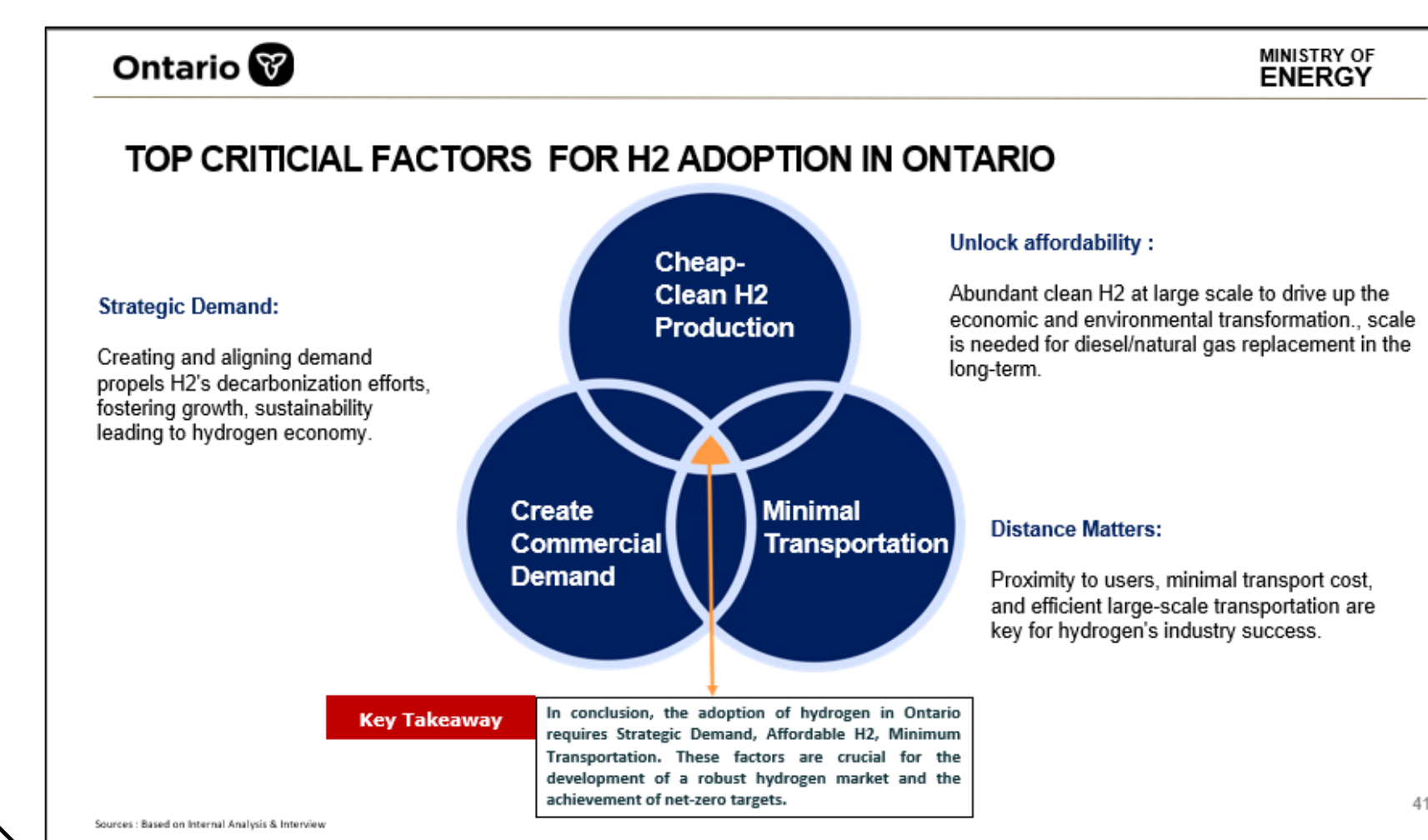
Knowledge

- Ontario's electricity needs, built-up for future, clean grid & connecting remote communities to grid , energy transition pathway
- Challenges and opportunities with green hydrogen
- Ontario's role in green exports like green hydrogen

Sample Output:



Sample Output:



Key Takeaways

- Collaboration across energy sector with multiple stakeholders is critical to building an effective energy policy to reach energy transition goals
- Ontario is in an excellent position to be a leader and low-carbon supplier of goods and technologies for the world, if we can get a fast & coordinated effort to pursue those opportunities
- Ontario's long-term energy transition & electrification planning are key factors in creating economic development

Memorable Moments



- Driving analysis for meetings with top public & private sector leaders
- Visiting Niagara hydro -electricity power plant – Beck station & saw the site for green H2 development project in Ontario