

ONTARIO'S CLEANTECH STRATEGY



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Global commitments to fight climate change and transition to a low-carbon economy are primary drivers of the growing market for clean technologies.

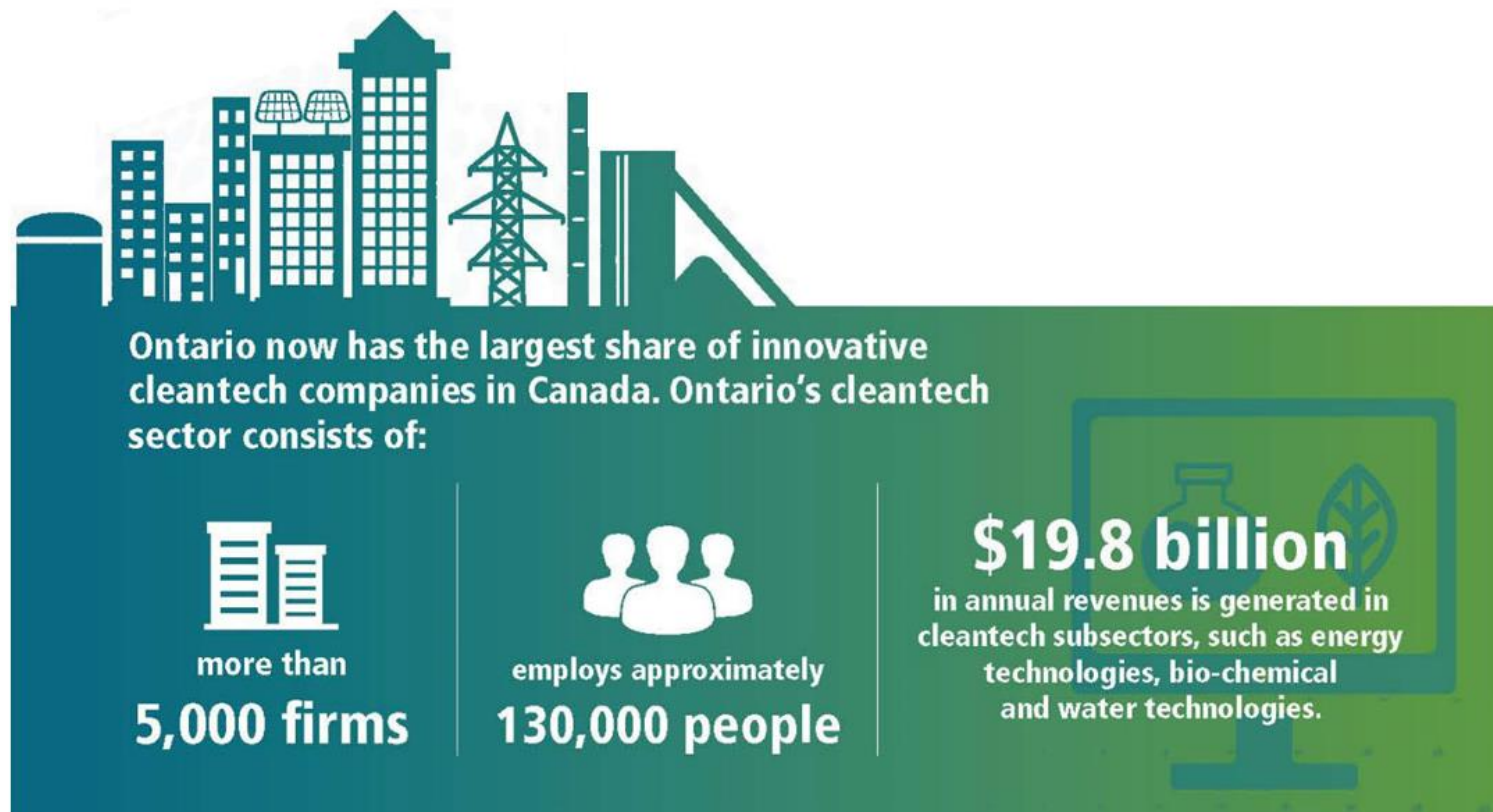


The province's five-year Climate Change Action Plan (CCAP) aims to fight climate change, reduce greenhouse gas pollution and support the transition to a low-carbon economy.



Ontario is focused on providing cleantech companies with the tools to innovate, commercialize and scale-up their technologies and businesses to take advantage of a global market estimated to reach \$2.5 trillion by 2022.

Ontario already has policies and programs that have promoted clean energy, regulatory changes, energy conservation and creation of clean technology jobs



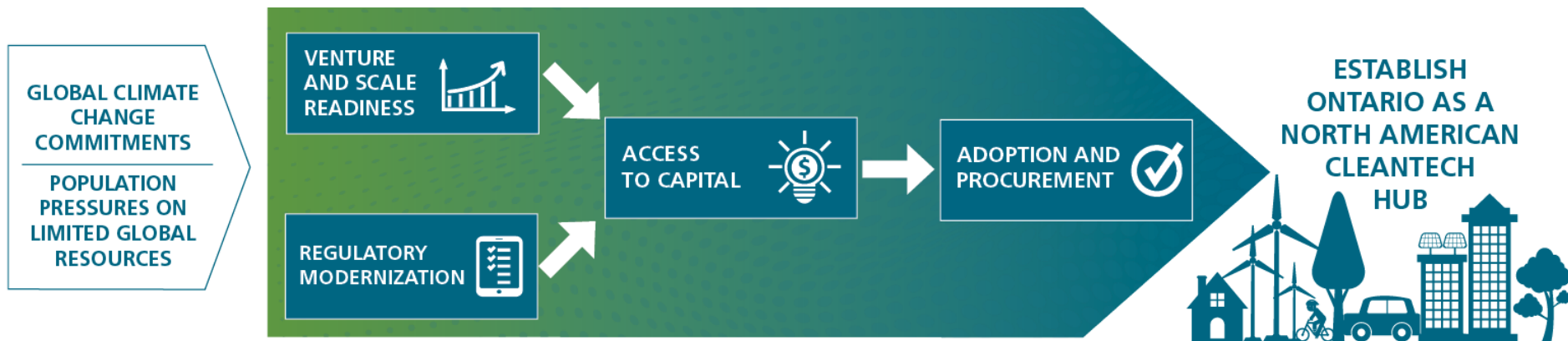
Clean technology is any process, product, or service that reduces environmental impacts through:

1. *Environmental protection activities that prevent, reduce, or eliminate pollution or any other degradation of the environment;*
2. *Resource management activities that result in a more efficient use of natural resources; or*
3. *The use of goods that have been modified or adapted to be significantly less energy or resource intensive than the industry standard.*

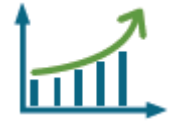


Ontario's Cleantech Strategy will help cleantech companies scale up and meet global demand through a four-pillar approach:

CLEANTECH STRATEGY



Venture and Scale Readiness



Access to Capital

Increase access to scaling capital, including both grants and risk capital

Leverage federal efforts and investments in cleantech

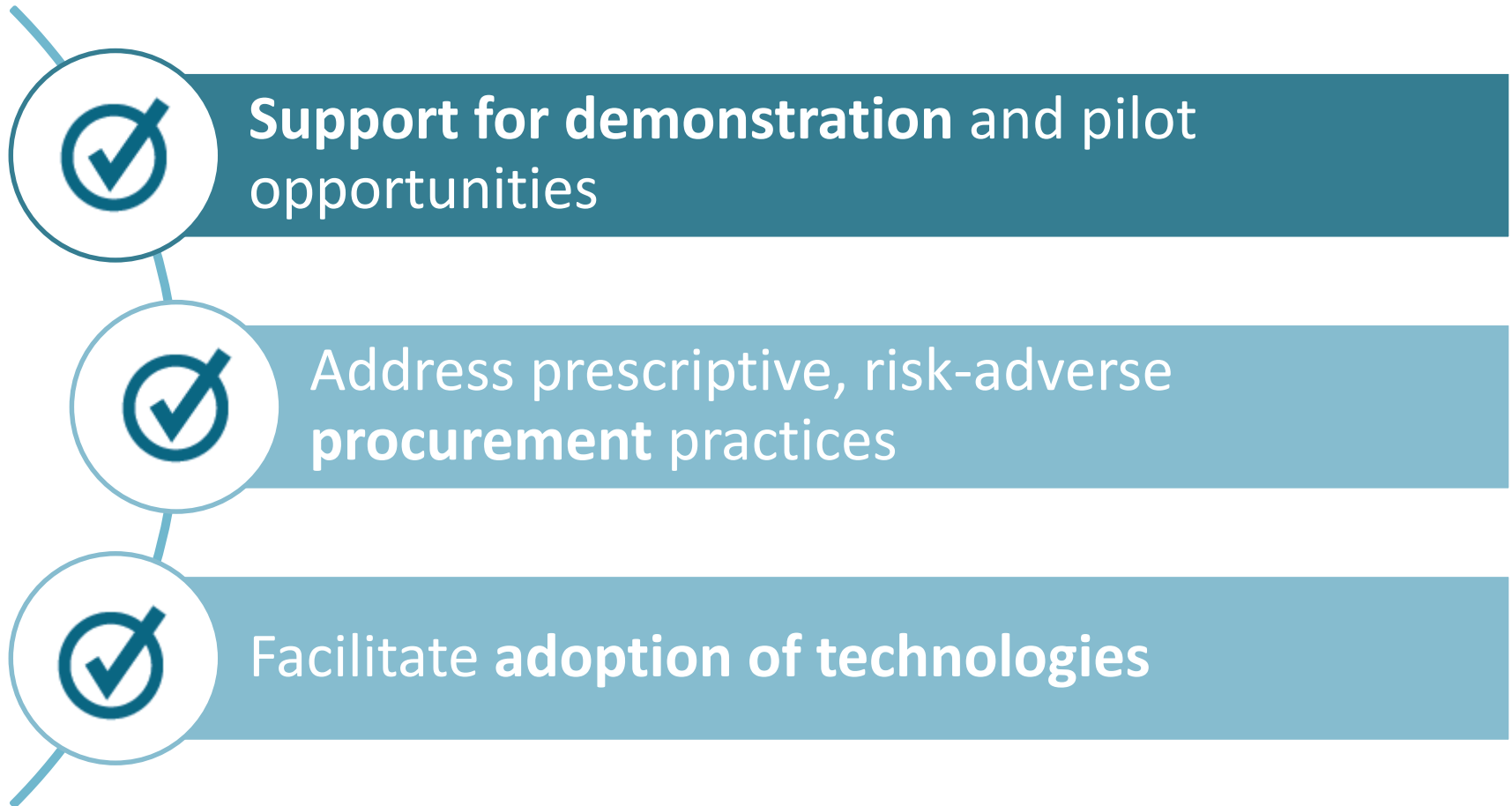
Regulatory Modernization



Streamline the regulatory environment, including performance-based standards and approvals

Support the development of harmonized industry standards

Adoption and Procurement



Ontario has identified four initial sub-sectors in which the province can leverage existing strengths to meet growing market demand:



**ENERGY
GENERATION
AND STORAGE**

Wind, solar, renewable fuels, nuclear, storage, and other forms of clean energy



**ENERGY
INFRASTRUCTURE**

Intelligent power management, conservation, smart meters



**BIO-PRODUCTS AND
BIO-CHEMICALS**

Biomaterials, chemicals, bio-degradables, nano-coatings and other bio-products



**WATER AND
WASTEWATER**

Water conservation, purification, efficiency, treatment and other water technologies

Venture and Scale Readiness



- Centre for Research and Innovation (CRIBE)
 - *Supports projects that will transform the forest products industry in Northern Ontario by developing the next generation of bio-products*
- Bioindustrial Innovation Canada (BIC)
 - *Focuses on industrialization and commercialization of sustainable bio-based chemistry and renewable material technologies*
- GreenCentre Canada (GCC)
 - *Commercialization of university research discoveries in green chemistry*
- The Bloom Centre for Sustainability (BLOOM)
 - *Supports demonstration of innovative cleantech solutions in a variety of sectors*
- Southern Ontario Water Consortium (SOWC)
 - *Fosters collaboration within the water sector and post-secondary institutions to drive development and adoption of clean wastewater technology*
- Water Technology Acceleration Project (WaterTAP)
 - *Helps water technology sector make connections and find the resources they need to prosper*

Access to Capital

- **Low Carbon Innovation Fund (LCIF)**
 - *Helps researchers, entrepreneurs and companies create and commercialize new, globally competitive, low-carbon technologies*
- **Global Market Acceleration Fund (GMAF)**
 - *Helps cleantech companies mitigate risks of expansion by assisting with the costs associated with scaling-up production, inventory, distribution and sales to support growing domestic and global demand*
- **Cleantech Equity Fund**
 - *Provides venture capital to high potential, innovative clean technology businesses*

Regulatory Modernization



- Long-Term Energy Plan (LTEP)
 - *Addresses regulatory barriers that inhibit innovation in the electricity distribution sector*



Adoption and Procurement



- TargetGHG
 - *Seeds the development of novel clean technologies while stimulating the adoption and uptake of these technologies*
- Smart Green
 - *Assists businesses to invest in equipment and process upgrades to help reduce energy consumption*
- Green Focus on Innovation and Technology (GreenFIT)
 - *Leverages government buying power to demonstrate the performance of clean technologies by piloting project at provincial facilities*
- Smart Grid Fund
 - *Invests in projects that demonstrate the value of cutting-edge technologies on our electricity grids*

ONTARIO'S CLEANTECH STRATEGY

Through the strategy, Ontario is positioning its cleantech sector to capture the global opportunities that are currently within reach – and those that lie ahead.

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