

Climate Change Master Plan

2021 Annual Progress Report

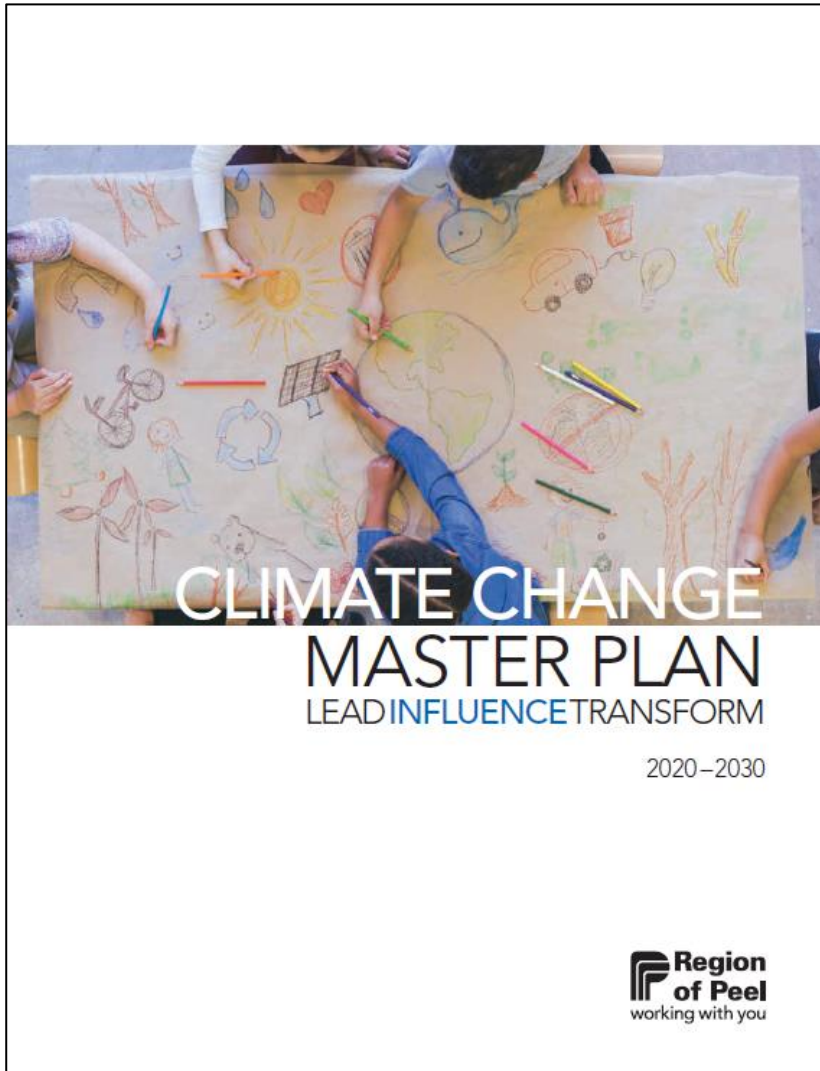
Christine Tu, M.Sc.

Director, Office of Climate Change and Energy Management,
Corporate Services, Region of Peel

May 12, 2022



Climate Change Master Plan Summary



2020-2030 timeframe

20 Actions to achieve 5 Outcomes:

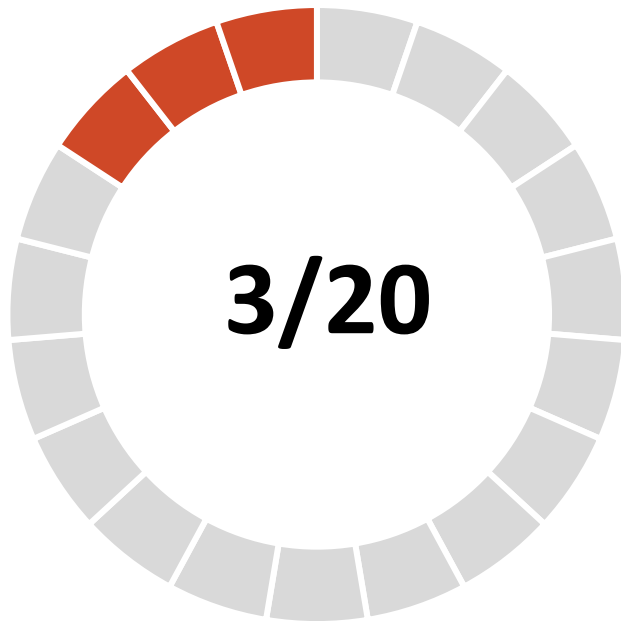
- Build Capacity
- Invest
- Monitor and Report
- **Reduce GHG Emissions**
- **Be Prepared**

\$300-\$400 million incremental investment

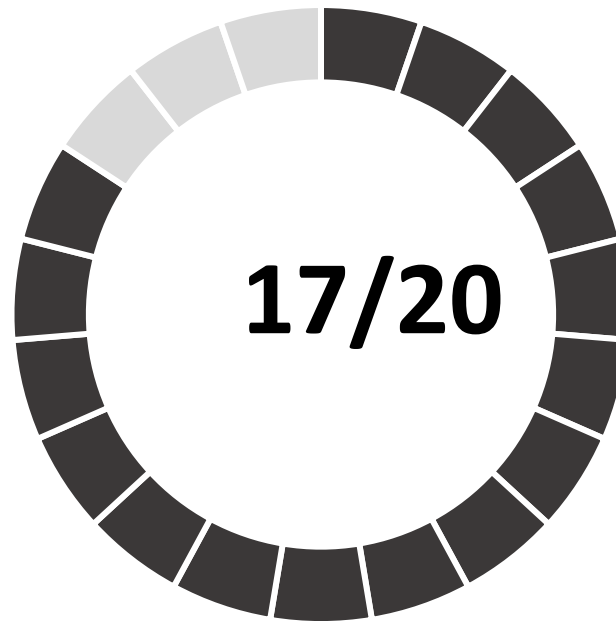
- \$85 million in estimated cumulative operational savings by 2030

Overall Status

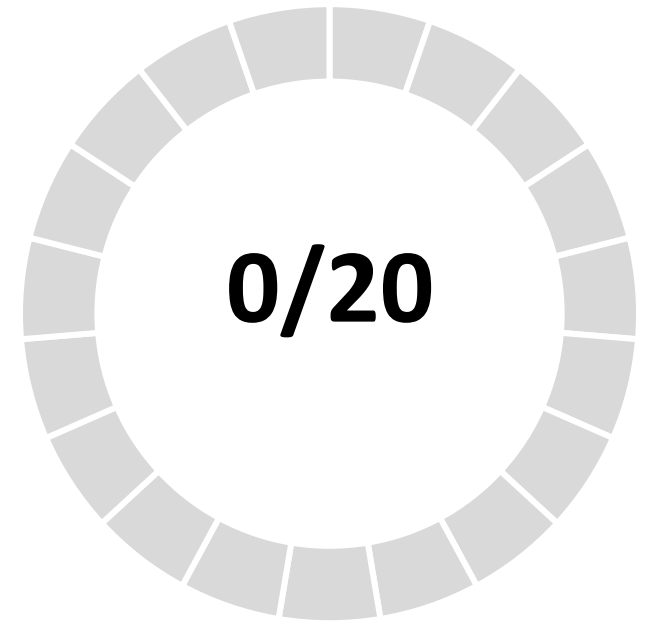
Actions Not Started



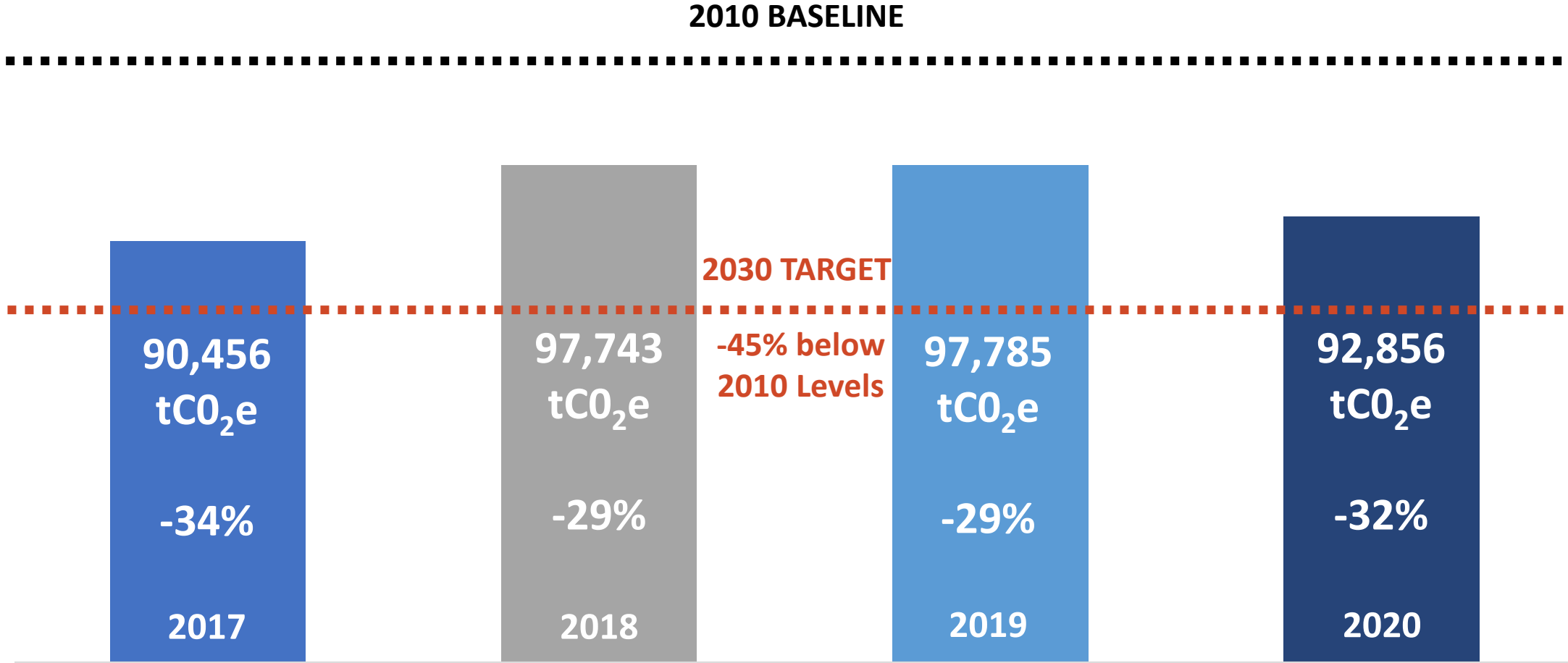
Actions In Progress



Actions Completed



Working Remotely Reduced GHG Emissions...



2030 TARGET
-45% below
2010 Levels

17,000 tonnes to go

Reduce GHG Emissions

ACTIONS IN PROGRESS



**2500 +++
GHG tonnes**

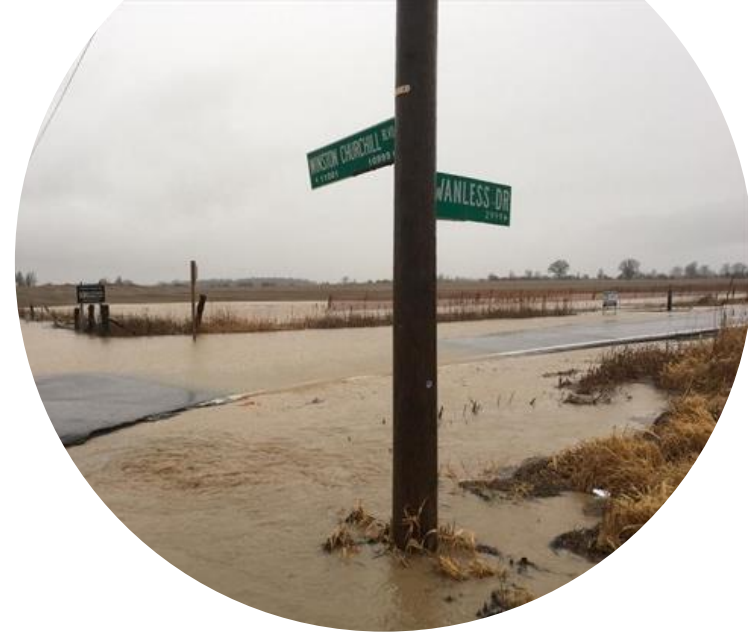


**By
2025**



Be Prepared

ACTIONS IN PROGRESS



**100%
Corporate
Assets Assessed**



**Climate
Risk
By 2025**



Build Capacity

ACTIONS IN PROGRESS



23
EV Chargers
Added In 2021



80
In Total
By 2022



Invest

ACTIONS IN PROGRESS



Not where
we planned
to be

Develop
Financing
Principles

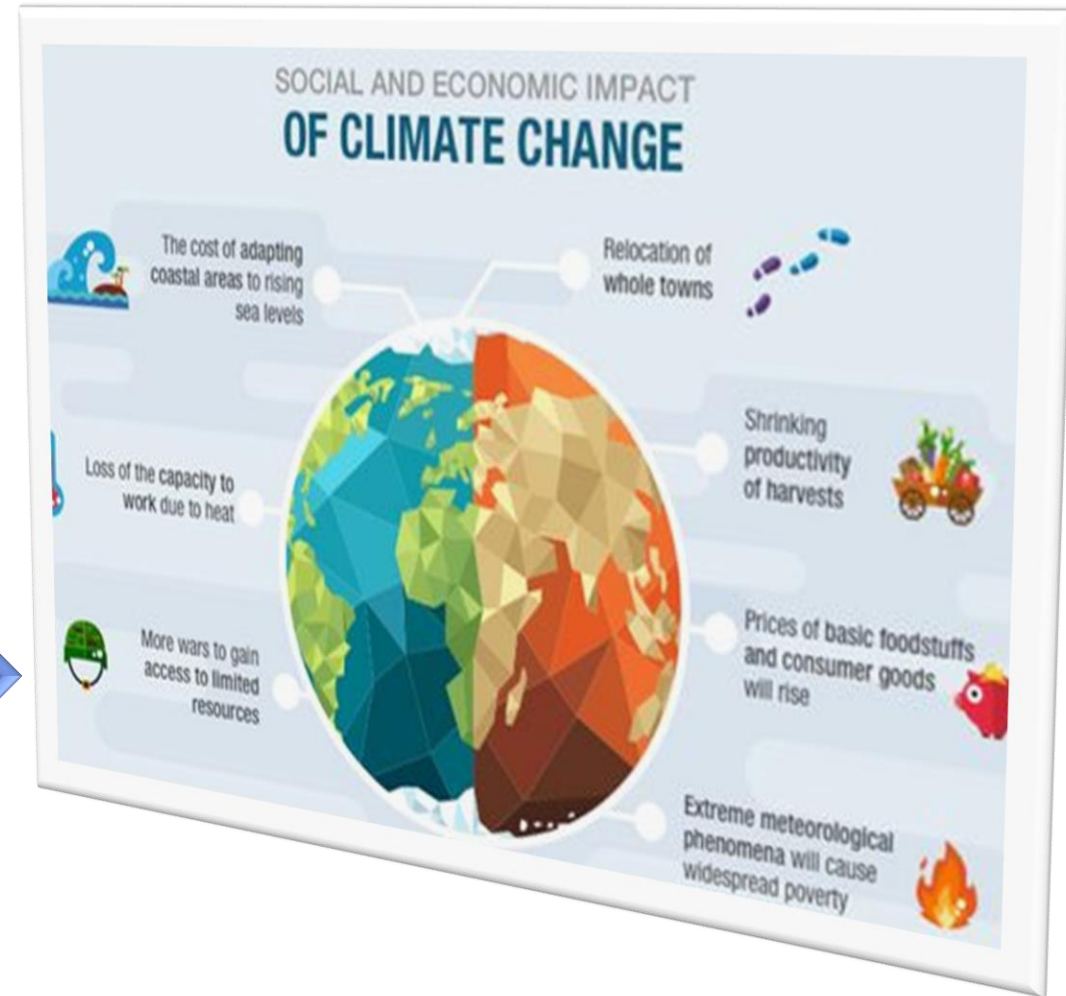
Break Down
Capital
Costs

Better
Outcomes

\$825K
External Funding
In 2021

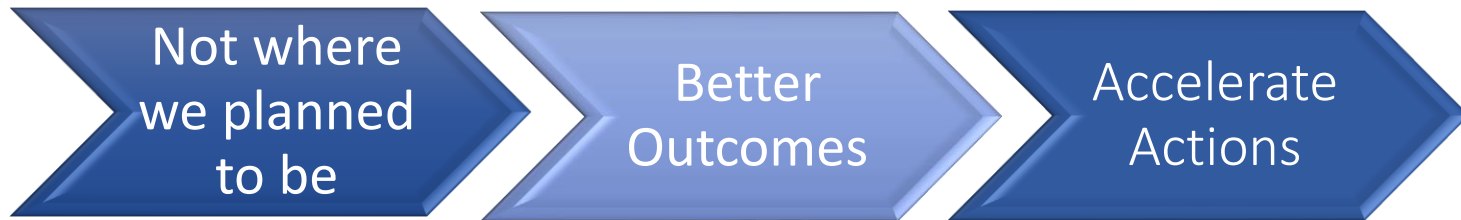


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Annually



Report and Monitor

ACTIONS IN PROGRESS



Limited Progress In 2021



Better Progress In 2022




Region of Peel
working with you

CLIMATE CHANGE MASTER PLAN
PROGRESS REPORT SUMMARY 2022

Overall Progress Status

Acceleration needed
Progress is happening but not at the scale and urgency required to achieve desired outcomes.

Table 1.1
CCMP Outcomes and Summary

Outcomes	Summary Statement
<p>Reduce GHG Emissions</p> <p>Corporate greenhouse gas emissions are reduced by 45% by 2030, relative to 2010 levels.</p> 	<ul style="list-style-type: none"> The Region of Peel has seen a slight reduction in emissions, but is at risk of not reaching its corporate GHG reduction target of 45% below 2010 levels by 2030 due to Ontario's electricity grid becoming more dirty and because emission reductions are not clearly tied to commitments that can be sustained. There is commitment to reduce a small portion of the 17,000 tCO2e needed to reach the 2030 goal, however the low-carbon transition needs to accelerate and be scaled up considerably by continuing to implement net-zero emission standards for buildings, ensuring operational plans are aligned with the CCMP, and investments are made in mitigation actions.
<p>Be Prepared</p> <p>A safe, secure, and connected community is provided by ensuring regional services and assets are more resilient to extreme weather events and future climate conditions.</p> 	<ul style="list-style-type: none"> The Region of Peel is still early in its journey to understand and prepare for the impacts of climate change to regional services and assets. There is some understanding of institutional risks, however, a considerable acceleration of risk assessment, management and preparedness is needed. This will require increased resources, investments and the implementation of enhanced infrastructure standards, and green infrastructure across land-based assets.
<p>Build Capacity</p> <p>Climate change is considered in all decision-making through organization-wide climate literacy, planning, and accountability.</p> 	<ul style="list-style-type: none"> The Region of Peel has begun to create content and offer learning opportunities to increase organizational climate literacy and a Climate Change Engagement Plan has been approved for development. Future efforts will need to focus on sustaining conversations and offering more tailored and advanced content in order to improve decision making and to better integrate climate change into regional work.

Meeting Climate Challenges this Decade

**Grid Mix and
Capacity**



**Community
Scale**



**Limited
Regulation**



**Change
Fatigue**



**Market
Availability**



**Financial
Resources**



Where We Plan To Be-
2022 Response

“COVID-19 has been a lesson in how we come together as a community to make a difference. Now that conversation needs to start as well for other challenges, most importantly, our changing climate.” – **Dr. Lawrence Loh, Medical Officer of Health, Region of Peel 2021**

Thank you.