



## QUARTERLY UPDATE



**CONNECTING COMMUNITIES THROUGH SUSTAINABLE SOLUTIONS**

**February 26, 2024**



# ONTARIO ELECTRIFICATION & ENERGY TRANSITION REPORT

*Released January 19, 2024*

A government-wide commitment to a clean energy future

Strategic vision for Ontario's energy future

Fostering Indigenous partnerships

Preparing Ontario's regulatory landscape for the clean energy era

Driving collaborative energy planning

Fostering public support for the clean energy transition



# ONTARIO ELECTRIFICATION & ENERGY TRANSITION REPORT

## RECOMMENDATIONS

- Planning for electrification and the energy transition
- Governance and accountability
- Partnerships with Indigenous partners
- Innovation and economic development
- Consumer, citizen and community perspectives



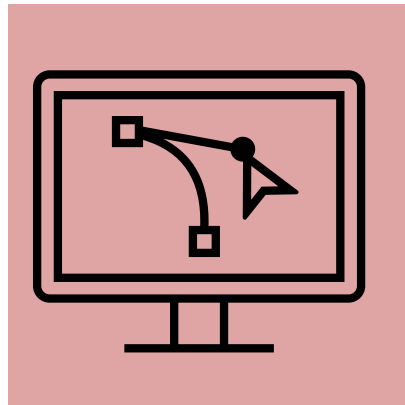


# ONTARIO ELECTRIFICATION & ENERGY TRANSITION REPORT

## OPPORTUNITIES FOR OEC

- ❖ Local Distribution Companies to adapt new regulatory frameworks
- ❖ Investment in upgrading infrastructure
- ❖ Adoption of smart grid technologies
- ❖ Increase opportunity to service energy demand

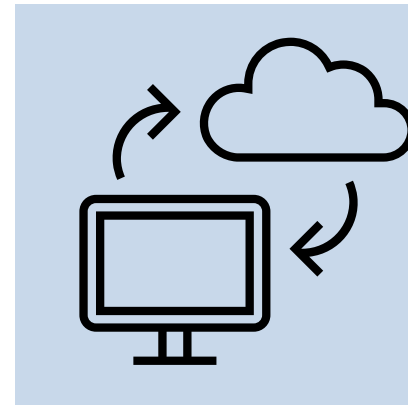
# STRATEGIZING TODAY, POWERING TOMORROW



## SYSTEM PLANNING

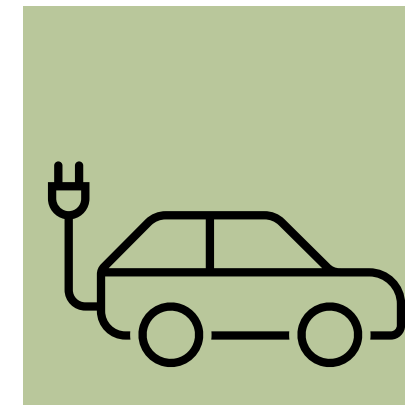
Load forecasting

Tailored plans for  
constrained areas



## GRID OPERATION

Advanced  
automation and  
metering  
infrastructure



## DESIGN

Modernize design  
practices and  
standards

Innovative  
technologies



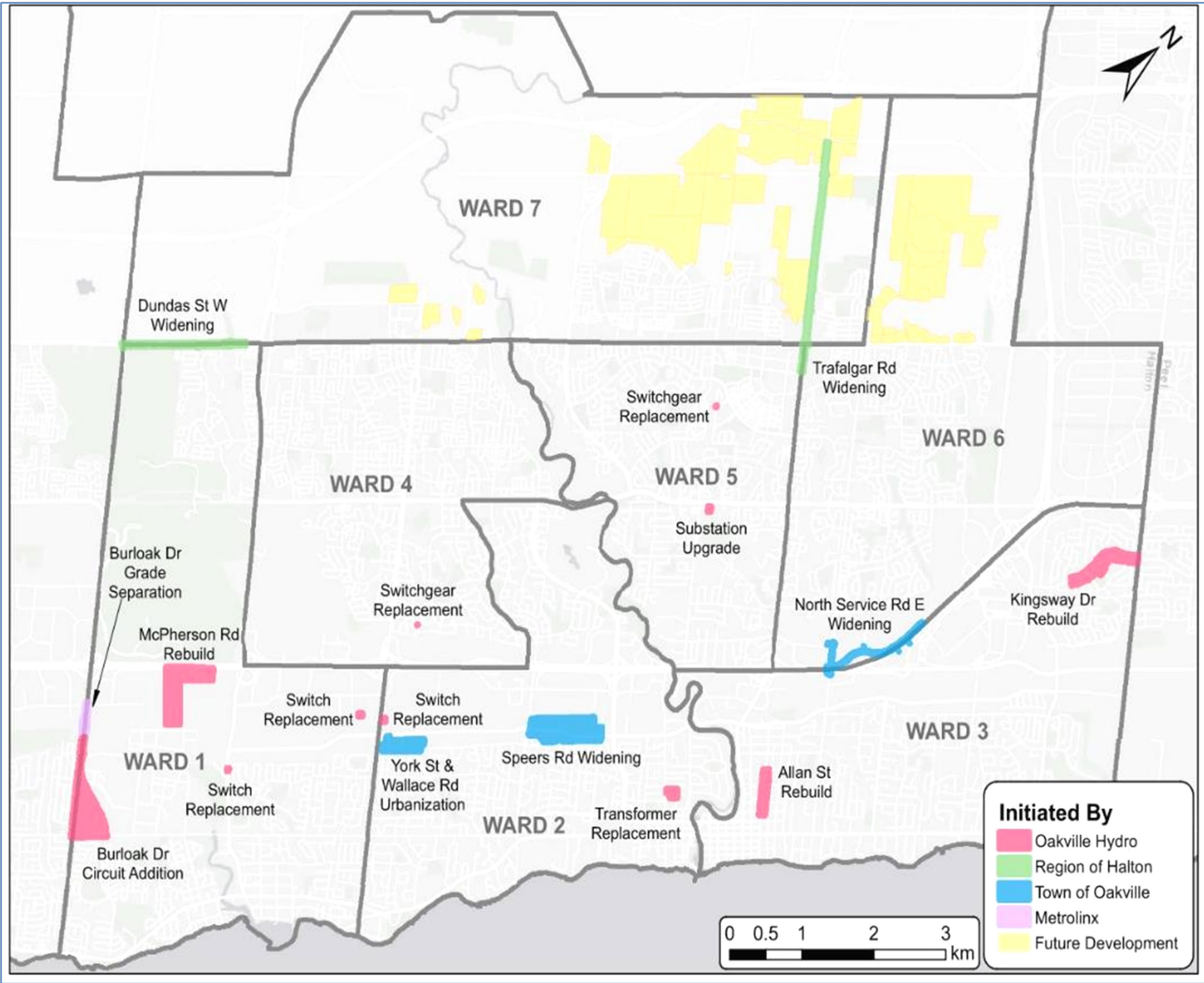
## CUSTOMER

Electrification  
information hub

Stakeholder  
engagement and  
partnerships



# ADVANCING THE ELECTRICITY GRID IN 2024



## WARD 1

- McPherson Rd. Rebuild
- Burloak Dr. Circuit Addition & Grade Separation
- Switch Replacements
- Dundas St. W Widening

## WARD 2

- York St. & Wallace Rd. Urbanization
- Speers Rd. Widening
- Switch Replacement
- Transformer replacement

## WARD 3

- Allan St. Rebuild
- Kingsway Dr. Rebuild

## WARD 4

- Switchgear Replacement

## WARD 5

- Substation Upgrade
- Switchgear Replacement

## WARD 6

- North Service Rd. E Widening
- Trafalgar Rd. Widening

## WARD 7

- Trafalgar Rd. Widening
- Dundas St. W Widening



# LEADING THE CHARGE



- Initiative in deploying the first-in-Ontario mobile battery energy storage system
- Diverse applications
  - ☐ Load Management
  - ☐ Outage Management
  - ☐ Scheduled Outages
  - ☐ Backup Energy Supply
- Possible future tool for Distribution System Operator model





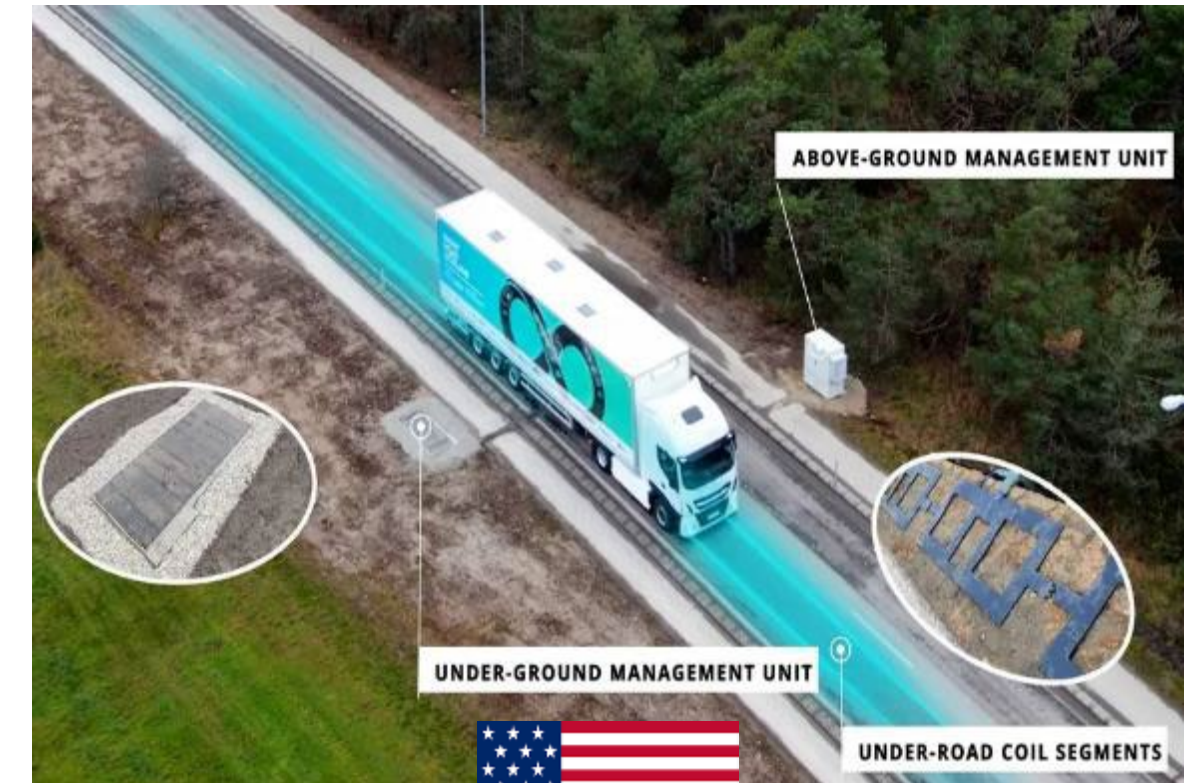
# DRIVING ELECTRICAL VEHICLE INNOVATION FROM VISION TO REALITY



Norway's first  
wireless electric  
road systems by  
summer 2024



Sweden's permanent  
electrified road for on-  
the-go electric vehicle  
charging



Detroit launches the first  
wireless charging road in  
the USA



# SAFETY IS OUR TOP PRIORITY

## Advancing Health & Safety Standards in the Workforce



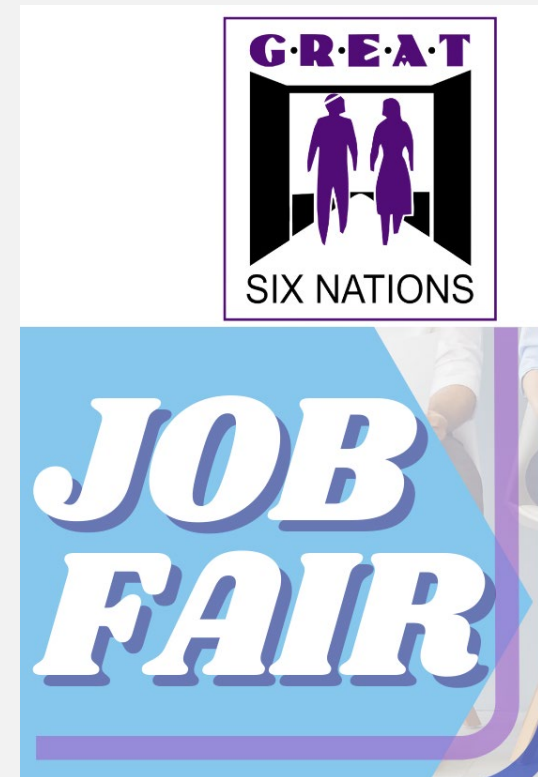
## Supporting Safety of Young Workers

- ☐ Focusing on building a secure future together
- ☐ Fostering safety culture excellence





# EMPOWERING COMMUNITIES



- Engaging for emerging employment opportunities
- Building indigenous interactions, connections and relationships



THANK  
YOU

