

# Connecting Electric Vehicles to the Grid

## Milestones

2010

**SEPTEMBER**

EVs identified as major opportunity in Smart Grid Strategy

2011

**JANUARY**

Provincial EV Level 2 Smart Charging Trials

**JULY**

Purchase first two Nissan LEAFs in Canada

2012

**JUNE**

V2G Demonstration at Georgian College Auto Show

2013

2017

**SEPTEMBER**

Ontario's first municipally-hosted EV Fast Charger installed at Markham Civic Centre

2015

**NOVEMBER**

Installation of Level 3 Charger with free public access

**AUGUST**

First commercial V2G installation in North America

2014

**NOVEMBER**

Solar EV Car Port integrated into Microgrid

**JANUARY**

Launched Nissan LEAF Employee Incentive Plan

**AUGUST**

Tested Advantage Power Pricing which offered an overnight electricity rate to EV drivers

**DECEMBER**

Supported the deployment of EVSE for Tesla's largest supercharging station in Canada

**JANUARY**

Launched AlectraDrive @Work at Markham Civic Centre to optimize and manage EV charging at the work place using DERMS technology

2018

**SEPTEMBER**

Launched L2 Public Charging station at St. Catharines City Hall

2019

**MAY**

Tested Alectra's Transactive Energy Platform, GridExchange that provides EV drivers with more control over their charging through a mobile app, and rewards customers for grid-beneficial charging behaviour

2020

**MARCH**

Launched AlectraDrive @Home to test different methods of encouraging drivers to charge vehicles during off-peak times