

# Québec's energy transition

the future starts here

## Our role in Québec's energy transition

**coordinate** the implementation of all the programs and measures required to meet the energy targets set out by the Government of Québec in the 2030 Energy Policy

**support, encourage, and promote** energy transition, innovation and efficiency

elaborate and implement **energy transition master plans**

### / general guidelines

- > Recognize energy efficiency as a priority energy source
- > Reduce Québec's dependence on petroleum products
- > Provide strong support for innovation in the energy sector
- > Develop the full potential of renewable energies
- > Support economic development
- > Strengthen the governance and accountability of the government

### / areas for action

- > Public, individual and freight transportation
- > Residential, commercial and institutional buildings
- > Industry
- > Bioenergy
- > Innovation
- > Off-grid power systems
- > Land use

### / coaching service

Encourage greater participation in the energy transition:

- > Simplify programs and administrative procedures
- > Help customers better understand available programs and assist them with their projects

### / financing

- > Fonds d'électrification et de changements climatiques
  - Derived from the carbon market, serves to finance GHG emission reduction measures found in the 2030 Plan for a Green Economy.
- > Contribution from utilities
  - Royalties from energy utilities, serve to finance energy efficiency measures
- > Other sources from financial partners

The Energy Transition Master Plan

15 roadmaps  
225 measures

+

more than \$6 billion in investments

+

a collective effort by all actors

# Energy Transition Programs

Data as of March 31, 2021

## CHAUFFEZ VERT

### Conversion of heating systems to renewable energy Fonds d'électrification et de changements climatiques

Performance indicators	Cumulative
Residential (2013-2021)	
Number of participants	33,112
GHG emission reduction (CO <sub>2</sub> tonnes equivalent/year)	253,300
Financial assistance (M\$)	39.6
Extraordinary improvement (M\$)**	5.1

### Commercial, institutional and industrial (2018-2021)

Number of participants	81
GHG emission reduction (CO <sub>2</sub> tonnes equivalent/year)	903
Financial assistance (\$)	0.6

### Installation or replacement of a low temperature heat pump (2020-2021) Contribution from energy utilities

Number of participants	56,270
Energy savings (GJ/year)	1,260,000
Financial assistance (M\$)	37.4
Extraordinary improvement (M\$)**	46.4

## RÉNOCLIMAT

### Home renovations to improve energy performance Contribution from energy utilities

Performance indicators 2007-2021	Cumulative
Number of participants (achieved visits - E visits)	184,541
Energy savings (GJ/year)	3,111,200
Financial assistance (M\$)	234.2
Extraordinary improvement (M\$)**	28.5

## ÉCONOLOGIS

### Free services to improve energy efficiency of homes (low-income households) Contribution from energy utilities

Performance indicators 2008-2021	Cumulative
Number of participants (sensitization and thermostats)	100,252
Energy savings (GJ/year)	159,600
Financial assistance (M\$)	41.2

## BIOÉNERGIES

### Bioenergy energy conversion Fonds d'électrification et de changements climatiques

Performance indicators 2013-2021	Cumulative*
Number of participants	247
GHG emission reduction (CO <sub>2</sub> tonnes equivalent/year)	158,200
Financial assistance (M\$)	60.8
Extraordinary improvement (M\$)**	1.5

## ÉCOPERFORMANCE

### Energy efficiency, conversion and process improvement projects Fonds d'électrification et de changements climatiques and contribution from energy utilities

Performance indicators 2013-2021	Cumulative*
Number of participants	1,987
Energy savings (GJ/year)	16,745,500
GHG emission reduction (CO <sub>2</sub> tonnes equivalent/year)	1,373,500
Financial assistance (M\$)	523.3
Extraordinary improvement (M\$)**	15.4

## NOVOCLIMAT

### Construction of new high energy performance homes Contribution from energy utilities

Performance indicators 2008-2021	Cumulative
Number of residential units	47,557
Energy savings (GJ/year)	757,500
Financial assistance (M\$)	110.3

## TECHNOCLIMAT

### Support for innovation in energy efficiency and GHG emission reduction Fonds d'électrification et de changements climatiques and contribution from energy utilities

Performance indicators 2013-2021	Cumulative*
Number of participants	73
Financial assistance (M\$)	129.4
Extraordinary improvement (M\$)**	5.1

\* Includes projected and real data of accepted applications.

\*\* Stimulus measures were put in place in May 2020 following the announcement of the reopening of some economic sectors in Québec. These measures included, for a limited time, the allocation of improvements to subsidies for certain programs.

## TRANSPORTEZ VERT

### Reduction in fuel consumption and GHG emissions by vehicle fleets Contribution from energy utilities

Performance indicators	Cumulative
Support for energy management (2019-2021)	
Number of applications submitted	26
Number of people trained	102
Technology acquisition (2019-2021)	
Number of applications submitted	41
Financial assistance (\$)	179,700
Eco-driving training (2019-2021)	
People trained	54
Number of eco-driving certified businesses	6
Direct Current Fast Charger (DCFC) (2020-2021)	
Number of applications submitted	8
Financial assistance (\$)	99,100

## ROULEZ VERT

### Rebate for the acquisition of an electric vehicle and at home charging station Fonds d'électrification et de changements climatiques

Performance indicators	Cumulative
New vehicle rebate (2011-2021)	
Number of participants	109,086
Used vehicle rebate (2017-2021)	
Number of participants	3,100
Home charging station rebate (2011-2021)	
Number of charging stations	46,806
Total financial assistance (M\$)	669.7
Total GHG emission reduction (CO <sub>2</sub> tonnes equivalent/year)	224,700

### Charging station at work and multi-unit building charging station rebates

Performance indicators	Cumulative
Charging station at work (2014-2021)	
Number of charging stations	5,373
Multi-unit building charging station rebate (2019-2021)	
Number of charging stations	1,439
Total financial assistance (M\$)	14.5