

**Transition
énergétique
Québec**



**19th IEA-IETA-EPRI Annual Workshop
on Greenhouse Gas Emission Trading**

3 October 2019

Québec 

Québec context – energy transition ecosystem



The 2030 Energy Policy

Targets

- > enhance energy efficiency by **15%**
- > reduce the consumption of petroleum products by **40%**
- > increase renewable energy production by **25%**
- > increase bioenergy production by **50%**

Master plan

- > every five years, TEQ elaborates a master plan with its partners
- > includes all required objectives to reach governmental targets
- > the first plan covers the period 2018-2023
- > a collective effort by all actors
- > 225 measures over five years
- > more than \$6 billion in investments
- > 15 roadmaps to reach the objectives by 2030



Raise awareness, promote and educate

2nd Master Plan

3rd Master Plan

2023 Objectives

2018|19

2019 | 20

2020 21

2021 22

2022|23

2023 28

2028 | 33

Raise awareness of the energy transition

Measure the values, knowledge and attitudes concerning the energy transition on a recurring basis

Conduct an annual information campaign to raise public awareness (radio, TV, Web, etc.)

Develop, in partnership, sectoral energy transition information, awareness raising and education plans (at a varying pace, depending on the sector)

Review improvements
in knowledge and
perceptions

Adapt actions to the results of the review

Raise the awareness of citizens, municipalities, First Nations and companies about the importance of adopting behaviours that foster the energy transition

Fund and participate in awareness raising, education and promotion projects on the energy transition, including the electrification of transportation

- Develop an information portal on the energy transition and the range of programs

Promote the energy transition with university students

Launch a contest aimed at university students on the theme of the energy transition

Offer energy transition activities to students based on their field of study (internship, mentoring, etc.)

Maintain and improve training programs and projects

Programs and services

Clientele

- > All energy consumers in all industry segments
- > All stakeholders involved in energy transition

CHAUFFEZ VERT

Conversion of heating systems to renewable energy
Fonds vert (Green Fund)

Performance indicators 2013-2018 ¹	Cumulative
Number of participants	16 441
GHG emission reduction (CO2 tonnes equivalent/year)	122 245
Financial assistance (M\$)	18.9

RÉNOCLIMAT

Home renovations to improve energy performance
Contribution from energy utilities

Performance indicators 2007-2018	Cumulative
Number of participants (achieved visits - E visits)	106 562
Energy savings (GJ/year)	1 848 978
Financial assistance (M\$)	141.4

BIOMASSE FORESTIÈRE RÉSIDUELLE

Residual forest biomass energy conversion
Fonds vert (Green Fund)

Performance indicators 2013-2018	Cumulative*
Number of participants	106
GHG emission reduction (CO2 tonnes equivalent/year)	45 953
Financial assistance (M\$)	34.3

ÉCONOLOGIS

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

Performance indicators 2008-2018	Cumulative
Number of participants (sensitization and thermostats)	83 132
Energy savings (GJ/year)	138 118
Financial assistance (M\$)	34.2

NOVOCLIMAT

Construction of new high energy performance homes
Contribution from energy utilities

Performance indicators 2008-2018	Cumulative
Number of participants	42 698
Energy savings (GJ/year)	600 955
Financial assistance (M\$)	99.9

ÉCO PERFORMANCE

Energy efficiency, conversion and process improvement projects
Fonds vert (Green Fund)

Performance indicators 2013-2018	Cumulative*
Number of participants	1 007
Energy savings (GJ/year)	9 414 395
GHG emission reduction (CO2 tonnes equivalent/year)	823 830
Financial assistance (M\$)	303.9

TECHNOCLIMAT

Support for innovation in energy efficiency and GHG emission reduction
Fonds vert (Green Fund) and contribution from energy utilities

Performance indicators 2013-2018	Cumulative*
Number of participants	35
Financial assistance (M\$)	41.6

ROULEZ VERT

Rebate for the acquisition of an electric vehicle and charging station
Fonds vert (Green Fund)

Performance indicators	Cumulative
Roulez électrique (2011-2018)	
Number of participants (home charging stations and vehicles - AEV, PHEV and HV)	48 001
GHG emission reduction (CO2 tonnes equivalent/year)	53 786
Financial assistance (M\$)	174.3
Branché au travail (2014-2018)	
Workplace charging stations	2 053
Financial assistance (M\$)	6

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