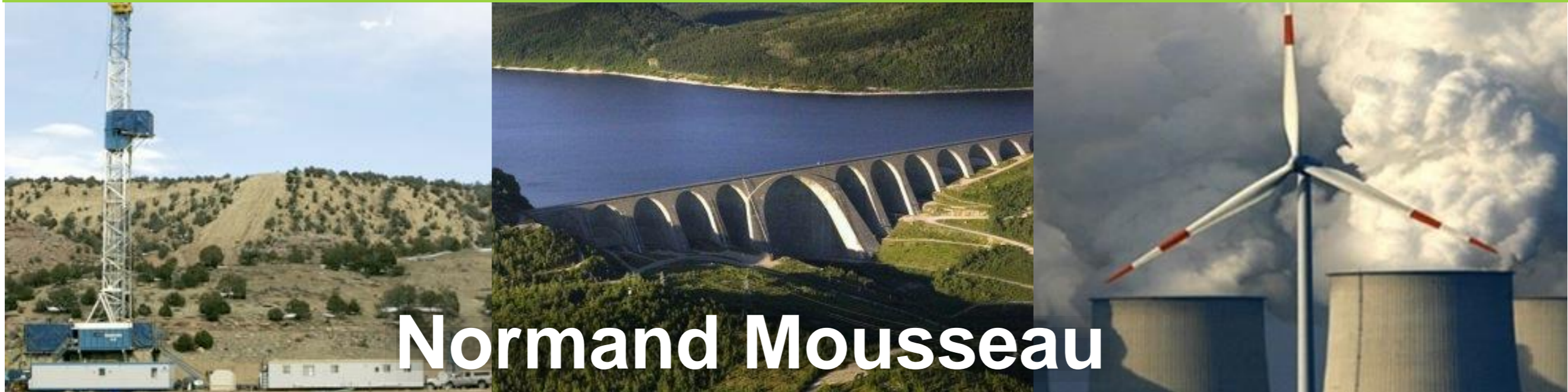


Climate and transport policy in Quebec



Normand Mousseau

Département de physique, Université de Montréal
Institut de l'énergie Trottier, Polytechnique Montréal



INSTITUT
DE L'ÉNERGIE
TROTTIER



Mission:

To train a new generation of engineers, scientists and innovators that will possess a systemic and transdisciplinary understanding of energy challenges and questions

To research sustainable solutions in energy production and usage and generate knowledge and innovation needed to respond to the energy challenges faced by our society

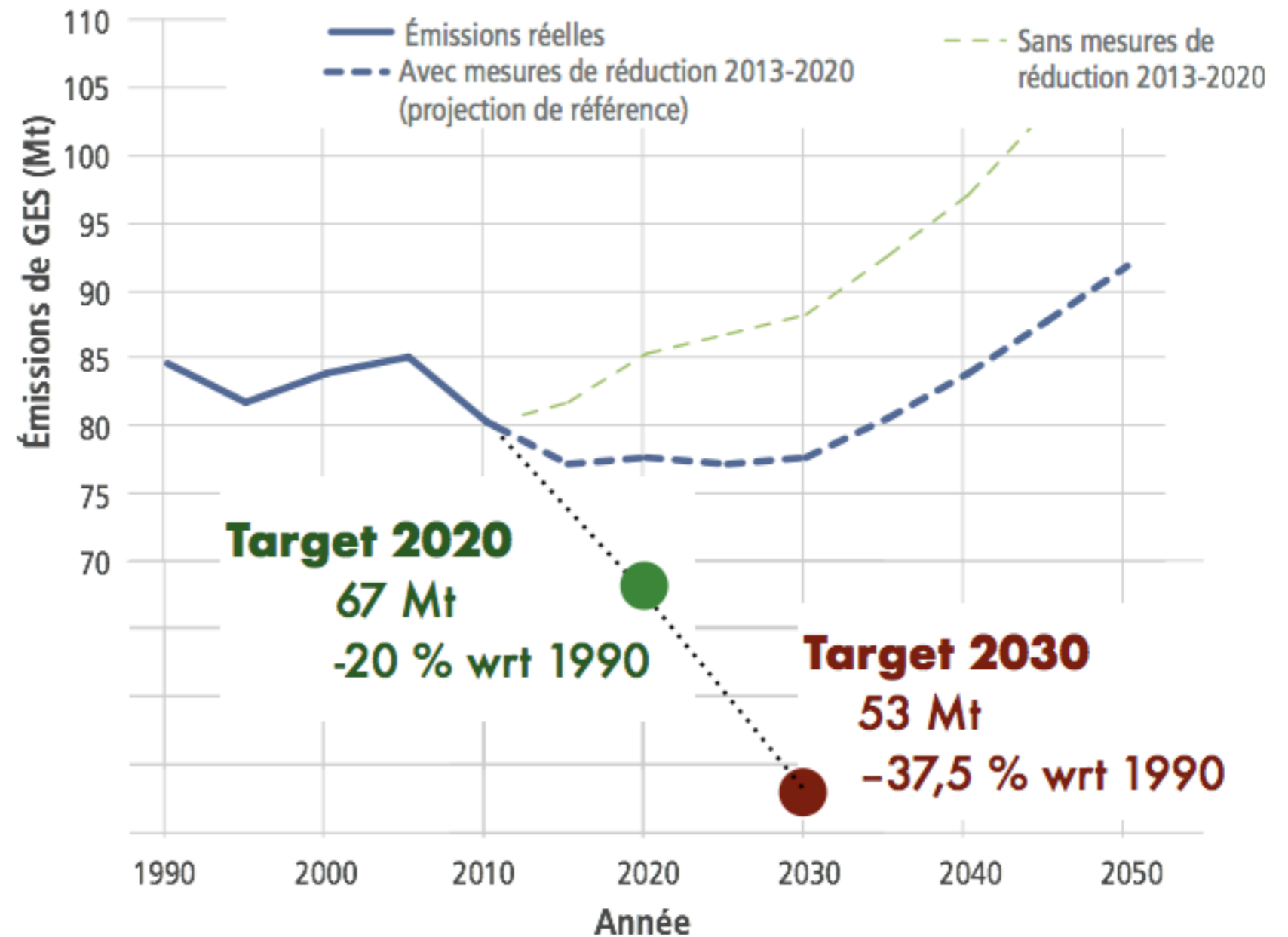
To diffuse energy-related knowledge and contribute to raise the level of debates on energy questions taking place in the society

Climate objectives

2006: Creation of the Green Fund

2012: First action plan on climate change

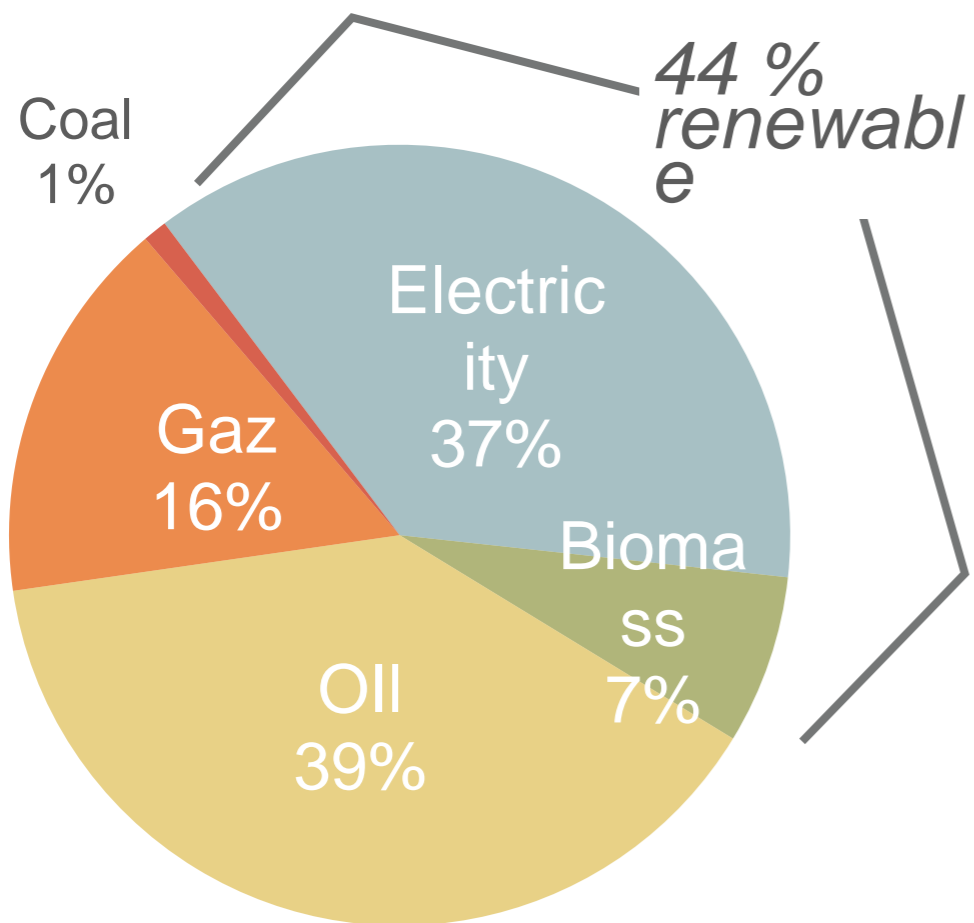
2015: Carbon market (with California)



Source: MDDELCC, *Cible de réduction d'émissions de gaz à effet de serre du Québec pour 2030 – Document de consultation* (2015)

The energy transition

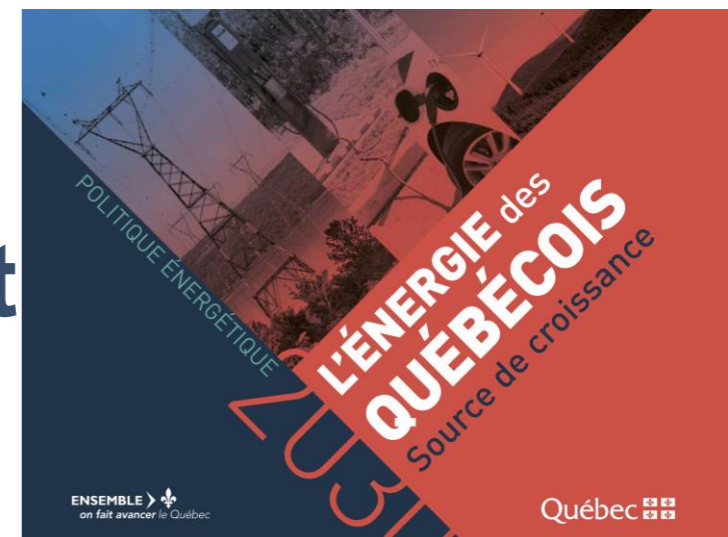
Québec's energy consumption



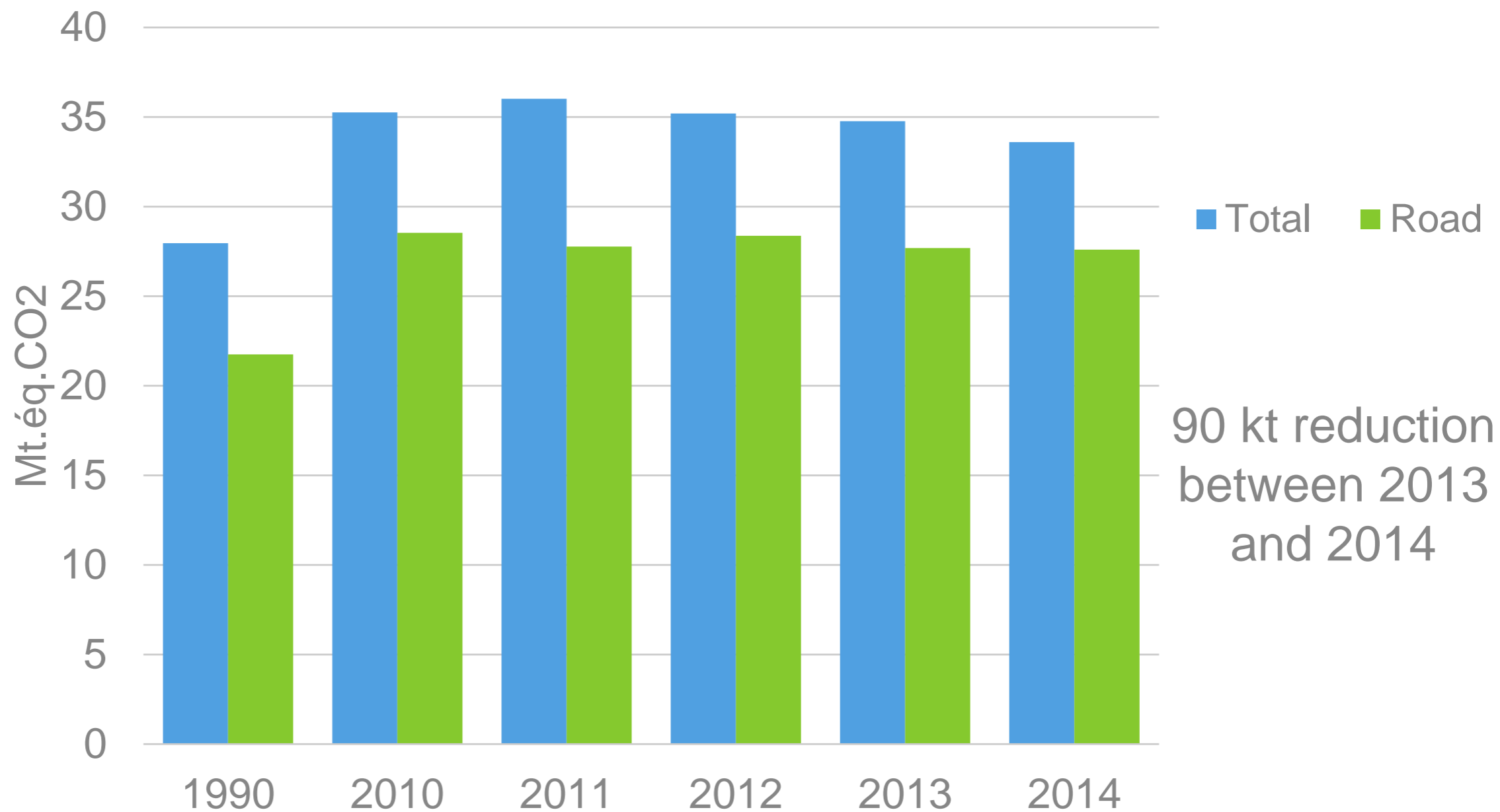
Objectives for 2030

1. Improve energy efficiency by 15 %
2. Reduce oil consumption by 40 %
3. Eliminate thermal coal
4. Increase renewable energy production by 25 %
5. Increase bioenergy production by 50 %

**30 % GHG
reduction wrt
1990**



Transport



Transport

« In 2020, Quebec will be a leader in the use of electric vehicles »

2015 - Policy on electrification of transportation
2015-2020

2017 - Law on zero emission vehicles
3,4 % of green vehicles in 2018
15,7 % in 2020
(today: only 0,7 %)

2018 - Policy on sustainable transportation

Transport

100 000 electric vehicles on the road
The electric circuit: 1043 charging stations

Yearly reduction of 150 kt.CO₂e per year
in transportation

(0.5 % per year...)

Create 5000 new jobs in the electric
vehicle sector with investments of
500 M\$

Plan de la transition énergétique - Développement et innovation au standard du gouvernement du Québec - 100000 010 -
100 000 véhicules électriques à court, moyen et long terme



**PROPULSER LE QUÉBEC
PAR L'ÉLECTRICITÉ**
Plan d'action en électrification des transports
2015 > 2020

VERSION WEB



ENSEMBLE 
on fait avancer le Québec

Québec 

Conclusion

- Ambitious goals
- Various objectives are not well connected - focuses mostly on technology, not social transformations, sustainability, fairness
- No direct pathway in transportation - in particular regarding alternatives to car
- Neglect vision of transporting people and goods over cars and trucks
- Innovation is not well targeted - often behind what is happening in the rest of the world

THANK YOU!