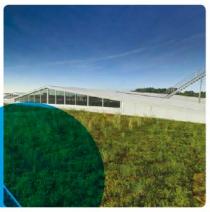






# THE STM'S THIRD SUSTAINABLE DEVELOPMENT PLAN





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#### **Presentation outline**

- > The STM today
- > STM's Sustainable Development Timeline
- Corporate engagement
- The Sustainable Development Plan 2025
- > Key factors of success for integrating sustainability in all sectors

#### The STM today



- 3rd largest public transit organization in North America
- > 429,5 million linked trips in 2017 (639,1 million unliked)
  - > Over 1.4 million linked trips per average weekday



- Métro
  - > 4 lines, 68 stations, 91 trains



- Bus
  - > 221 bus lines,1807 buses



- Paratransit
  - > 4 million passenger trips, 31 640 clients



- 9 754 employees
- (5)
- > Budget: \$1.4 billion
- Replacement value of assets: \$26 billion







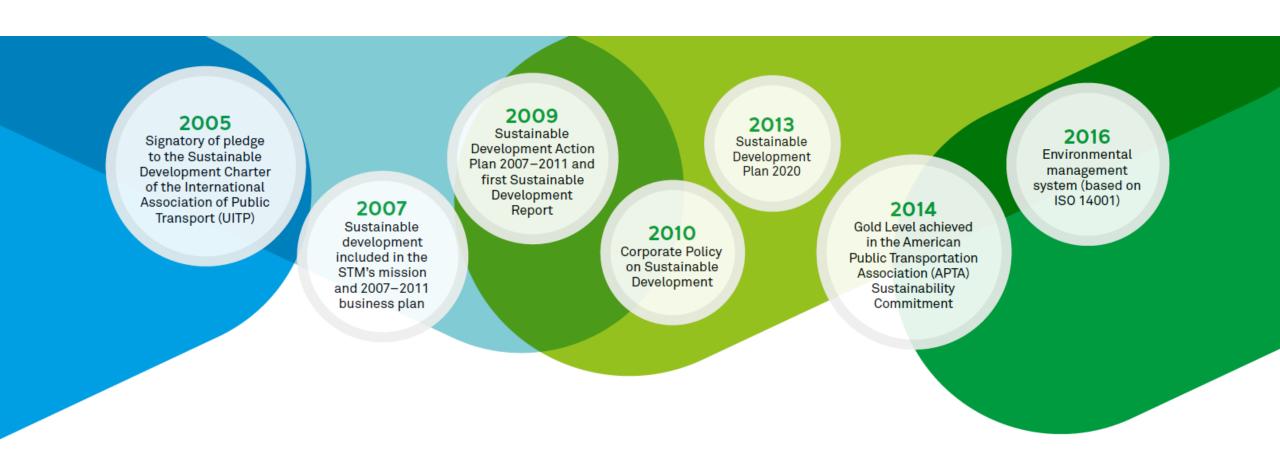








#### The STM's Sustainable Development Timeline



### Sustainable Development at the hearth of the Organizational Strategic Plan 2025



"The STM will continue its efforts to make sustainable development a central element of its operations and projects, and in so doing consolidate its position as a leader in this field."

PSO 2025, page 29

PLAN STRATÉGIQUE ORGANISATIONNEL 2025



#### Stakeholder consultation on sustainability issues

The STM consulted with its stakeholders in order to identify the priority sustainability issues in preparation for its new Sustainable Development Plan 2025.

- > Step 1
  - List of issues was submitted to internal and external stakeholders to ensure that they were relevant, complete and clearly stated.
- > Step 2
  - Consultation on priorization of issues:

"In your opinion, how relevant is it for the STM to take the following issues into account when shaping its Sustainable Development Plan?"

#### **Prioritization of issues**





#### The nine priorities of the Sustainable Development Plan 2025

#### **Priority 1**

Decarbonize public transit in order to contribute to air quality and the fight against climate change



#### **Priority 2**

Build and operate sustainable, resilient buildings and infrastructures



#### **Priority 3**

Maintain our position as a responsible employer



#### **Priority 4**

Reduce resource consumption and production of residual materials



#### **Priority 5**

Prevent and reduce water and soil contamination



#### **Priority 6**

Strengthen our sustainable procurement approach



#### **Priority 7**

Engage external stakeholders and expand ties with local communities



**Priority 8** 

Increase the STM's economic and social contribution



#### **Priority 9**

Consolidate the STM's sustainability governance



### Priority 1: Decarbonize public transit in order to contribute to air quality and the fight against climate change

- In 2016, various municipal and provincial partners and transit authorities collaborated in a study on GHG emissions avoided by public transit in the Greater Montréal area.
- > The study shows that the total GHG emissions avoided from public transit in the Greater Montréal are 3.9 million tons of CO<sub>2</sub> e per year

For every ton of GHGs emitted by STM activities



20 are avoided in the Greater Montréal area



### Priority 1: Decarbonize public transit in order to contribute to air quality and the fight against climate change

- Continue electrification demonstration projects
- Acquire only 100% electric buses by 2025 at the latest in order to achieve zero emissions in 2040
- > Favour the use of materials with a low carbon footprint (concrete, steel, etc.) in major projects

Indicator	2015	Target 2020	Target 2025
Percentage of trips made using electricity	69.5 %	79.7%	88.6%
Bus GHG emissions per seat-km (g CO <sub>2</sub> e)	33.0	32.3	31.0
GHG emissions per passenger-km (g CO <sub>2</sub> e)	47.4	46.2	44.7
Average GHG emissions from small service vehicles (g CO <sub>2</sub> e)	216	155	130









### Priority 2: Build and operate sustainable, resilient buildings and infrastructures

- Aim for LEED certification for new buildings and Envision certification for new infrastructures
- Obtain operational sustainability certification for certain existing buildings
- > Develop and implement a climate change adaptation plan
- Integrate green measures as much as possible into construction and renovation projects

Indicator	2015	Cible 2020	Cible 2025
Number of new buildings and infrastructures with sustainability certification	1	3	8
Number of buildings (owned or rented) and infrastructures with operational sustainability certification	3	5	To be determined after the pilot projects

















#### Priority 3: Maintain our position as a responsible employer

- Offer employees a mobilizing, safe and inclusive working environment
- > Roll out the **diversity program**, including the Equal Employment Opportunity Plan
- Implement the mobilization approach and measure mobilization on a recurring basis
- Roll out sector action plans for prevention in workplace health and safety







Indicator	2015	Target 2020	Target 2025
Diversity of workforce*			
Percentage of women	24.7%	24.7%	27%**
Percentage of visible and ethnic minorities	24.9%	27.9%	28.6%
Percentage of employees with a disability	0.4%	0.5%	0.6%
Percentage of Indigenous employees	0.5%	0.6%	0.7%
Frequency of work-related accidents	6.0	5.8	5.7
Severity of work-related accidents	339	300	275

### Priority 4: Reduce resource consumption and production of residual materials

- Integrate and apply the 4R principle in projects and operations
- Maximize the **reclamation** of goods and equipment, such as buses and metro cars, at the end of their useful life
- Draw up a portrait of drinking water and reduce consumption









Indicator	2015	Target 2020	Target 2025
Rate of diversion from disposal	64.3%	75%	80%
Rate of CRD waste diversion from disposal	NA	75%	80%
Percentage of water meters installed in our buildings	8%	100%	100%
Average drinking water consumption per bus washed (litres)	324	276	147

#### **Priority 5: Prevent and reduce water and soil contamination**

- Establish an action plan for the management of hazardous materials
- Maintain the action plan for the prevention and management of hazardous material spills
- Draw up guidelines for environmental site management
- Improve recovery of water from washing concrete slabs in metro stations





Indicator	2015	Target 2020	Target 2025
Non-compliance notices	4*	Objective zero	Objective zero
Number of hazardous material spills	8	Objective zero	Objective zero

#### Priority 6: Strengthen our sustainable procurement approach

- Include sustainability clauses in contracts for goods and services that have been prioritized on the basis of their environmental and social impacts
- Include the STM suppliers' code of conduct in all new contracts
- Maintain the sustainable procurement training and awareness program
- Apply the total cost of ownership approach
- Promote the holding of sustainable events





Indicator	2015	Target 2020	Target 2025
Percentage of the value of contracts in progress* during the year that include sustainability criteria	74%	80%	85%
Percentage of contracts in progress* during the year for goods and services prioritized on the basis of environmental and social impacts that include sustainability criteria	27%	45%	50%

### Priority 7: Engage external stakeholders and expand ties with local communities

- Strengthen the implementation of the sector guidelines on projects' social acceptability
- Maintain public participation in the STM's governance
- Review the public consultation policy for metro projects
- Continue to develop mechanisms for informing and consulting external stakeholders

Indicator	2015	Target 2020	Target 2025
Percentage of construction projects valued at \$15 million or more in progress during the year that have undergone an external stakeholder analysis and/or strategy	75%	90%	100%





#### Priority 8: Increase the STM's economic and social contribution

- Include environmental, social and governance (ESG) factors in the analysis of pension plan investments
- Uphold the STM's commitment to the social and local economy
- Increase collaboration with services providing psychological and social interventions in order to maintain an approach of support and mediation with homeless individuals in the metro network
- Continue the employee generosity campaign
- Contribute to the execution of major urban development and public transit projects

Indicator	2015	Target 2020	Target 2025
Value of contracts and agreements with social enterprises	\$20,000	\$60,000	\$100,000
Amount of projects in progress funded through Green Bonds issued by the Québec government	NA	\$1.0 billion	\$1.2 billion







#### Priority 9: Consolidate the STM's sustainability governance

- Strengthen the integration of sustainability into decisionmaking processes
  - Project portfolio management
  - Design standards and criteria
  - Procurement
  - Recommendations to the Board of Directors and the Director General
- Implement and maintain an ISO 14001-based environmental management system.
- Continue to produce a sustainable development report based on the GRI guidelines, and an annual management review of sustainable development.





Indicator	2015	Target 2020	Target 2025
Percentage of projects valued at over \$1 million that have undergone a sustainability assessment	100%	100%	100%
Percentage of employees that have completed an awareness workshop or training related to sustainability in the last five years	22%	30%	35%

#### **Key factors of success**

- Sustained and strong corporate commitment to sustainability
  - In the Strategic Plan
  - In the Sustainable Development Plan targets
- Consultation of internal and external stakeholders in drafting the Sustainable Development Plan and various tools
- Development of tools for helping employees and managers identify sustainability issues and solutions
- Presentation of annual sustainable development results to
  - Senior management Committee
  - Board of directors SD committee









## The SD Plan 2025 is available at www.stm.info/en/sd

Thank you for your attention