Sustainable Development
PEER REVIEW
(Update of March 2017)

stm

SUSTAINABLE DEVELOPMENT PEER REVIEW

Goals:

- Share our practices, tools and results with UITP and APTA members
- Get a peer evaluation of our sustainable development maturity and results

Suggested approach:

Prior to the Summit

- Send information on tools and practices to participants as well as an assessment tool

During the Summit

- Technical visits and presentations on 5 key sustainability topics:
    1. Environmental management (Youville)
    2. Sustainable Development Plan and Reporting (GRI G4)
    3. Integration of sustainability into decision-making processes and Sustainable Procurement
    4. GHG reduction initiatives
    5. Green building (Stinson)

After the Summit

- Participants will be sent a complete report of the assessment prepared by an independent expert

<table>
<tr><th></th><th>Tuersday
May 11th</th><th>Friday
May 12th</th><th>Saturday
May 13th</th><th>Sunday
May 14th</th><th>Monday
May 15th</th><th>Tuesday
May 16th</th></tr>
<tr><td>9 am</td><td rowspan="9">Sustainable Commission Meeting (New York)</td><td rowspan="4">Sustainable Commission Meeting (New York)</td><td></td><td></td><td></td><td></td></tr>
<tr><td>10 am</td><td></td><td></td><td></td><td></td></tr>
<tr><td>11 am</td><td></td><td></td><td></td><td></td></tr>
<tr><td>12 pm</td><td></td><td></td><td></td><td></td></tr>
<tr><td>13 pm</td><td></td><td rowspan="3">Technical Visit 1 (12h30-13h45)
Stinson Bus garage (LEED GOLD certified)
Technical Visit 2 (14h15-15h30)
Environment Management at Youville and Legendre Maintenance Facilities</td><td rowspan="2">Technical Session 1 (12h30-14h00)
Integrating Sustainability into Decision-making Processes: Project Priorization and Sustainable Procurement</td><td></td></tr>
<tr><td>14 pm</td><td></td><td></td><td rowspan="2">Technical Session 2 (13h00-14h30)
STM Sustainable Development Plan 2020 and Reporting</td></tr>
<tr><td>15 pm</td><td></td><td></td><td></td></tr>
<tr><td>16 pm</td><td></td><td></td><td></td><td rowspan="2">Public Session (16h00-17h30)
Decarbonisation of Transport</td><td></td></tr>
<tr><td>17 pm</td><td></td><td></td><td></td><td></td></tr>
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Technical Visit 1: **STM's Stinson bus garage (LEED GOLD certified)**
Duration: **75 min**
Number of participants: **1 group X 25 people**
Time: **Sunday May 14th at 12 pm**

STM's Stinson bus garage, opened in 2014, is one of the first bus garages in Canada to obtain LEED Gold certification, one of the highest levels in green building certification.
The 38,000 m^2 building sits on a 73,000 m^2 site, equal to seven Canadian football fields. It can house 300 buses (conventional and articulated) and includes the facilities needed for their maintenance, as well as one storey dedicated to office space and employee break rooms. Other amenities, like recharging stations, were built in to handle electric vehicles.

Recognized for the quality of its design, sound project management and sustainability characteristics, Stinson garage has garnered over a dozen awards, including:

- Corporate Leadership Excellence Award from the Canadian Urban Transit Association (CUTA), Environmental category, in 2016
- LEED Gold certification in 2015
- Project of the year, construction and engineering category, at PMI-Elixir in 2015
- Novae corporate citizenship award, sustainable building category, in 2014

During this tour, not only will visitors appreciate its distinctive architectural style, they will learn more about the garage's other aspects that add to its reputation:

- A work environment that stimulates productivity
- Energy efficiency measures
- An impressive green roof the size of one and a half football fields
- A perfect example of integrating sustainable development in a living environment
- Social acceptability measures

To learn more: **www.stm.info/en/about/major_projects/stinson**

Technical Visit 2: **Environmental Management at STM's Youville metro workshop**
Duration: **75 minutes**
Number of participants: **1 group X 25 people**
Time: **Sunday May 14th at 14:15**

The largest metro maintenance facility operated by Société de transport de Montréal (STM), the Youville workshop, houses all preventive maintenance and major refurbishment activities. Here, STM performs periodic overhauls on metro cars and carries out mechanical, electronic and electrical maintenance work, using a number of processes, from machining, welding, painting, washing, sandblasting and woodworking to magnetic particle detection.

In the past five years, STM has undertaken a number of changes to integrate the new AZUR cars while keeping up with maintenance on its MR-73 rolling stock. The facility upgrade required major changes to the existing infrastructure as well as the acquisition of new equipment. Today, STM enjoys state-of-the-art train maintenance installations.

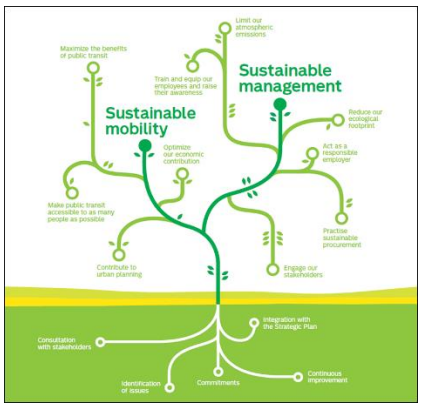
During this tour, visitors will:

- Discover all aspects of the Environmental management system in place in the workshop.
- Visit the workshop where AZUR trains are assembled and verified. By 2018, STM will have taken delivery of 52 new trains of nine cars.

Note: Safety boots are compulsory for the visit.

Technical Session 1: **Integrating sustainable development into STM's decision-making processes**

Duration: **90 minutes (including lunch for the participants)**
Local: **519A**
Number of participants: **1 group X 35 people**
Time: **Monday May 15th at 12:30**



In 2011, STM reaffirmed its commitment to sustainability by integrating it into its Strategic Plan 2020. As a result, one of STM's six priorities is to '**place sustainable development at the centre of all its decisions**.' To ensure that sustainability concerns are truly taken into account, it is STM's belief that they **must be integrated into existing decision-making processes**. Hence, the STM developed tools to facilitate that integration.

Presentation format:
This technical session will focus on the main levers implemented by STM to integrate sustainability concerns in its decision-making processes. For each lever, an example will be provided.

- **Project portfolio management**: STM implemented a rigorous process to prioritize its projects. Projects are prioritized according to their contribution to the Strategic Plan 2020. As early as in 2011, a sustainability component was included into the GPP process to maximise projects' economic, social and environmental benefits. In 2014, STM developed a tool to facilitate sustainable development integration during the whole life cycle of projects.

- Sustainability integrated into **STM's design standards and criteria** (NCC): These provide the terms of reference for all STM engineering projects, where sustainability criteria are gradually added. Thus, sustainable development concerns are taken into account early in the design stage

- **Sustainable procurement**: A series of actions have been undertaken with the supply chain section since 2008 to promote sustainable procurement. Based on several successful projects, the STM was able to formalize the approach with sustainable procurement guidelines.
- **Recommendations submitted to the Board of Directors**: Since 2011, all recommendations submitted to STM's governing board include a section pertaining to sustainable development.

The presentation will conclude with an analysis of **lessons learned** and **success factors**.

Technical Session 2:	**Sustainable Development Plan and Reporting**
Duration:	**90 minutes (including lunch for the participants)**
Local:	**519A**
Number of participants:	**1 groups X 35 persons**
Time:	**Tuesday 16th at 13:00**

In 2011, STM reaffirmed its commitment to sustainability by integrating it into its Strategic Plan 2020. As a result, one of STM's six priorities is to '**place sustainable development at the centre of all its decisions**.'

Integrated monitoring of corporate strategic plan and sustainable development plan: STM's 2020 Sustainable Development Plan upholds the 2020 Strategic Plan. Coherence and consistency guided the development of both plans, and their progress is monitored simultaneously. Thus, the corporate strategy fully incorporates sustainable development concerns.

Since 2008, the STM has been producing an annual sustainability report in accordance with the Global Reporting Initiative international guidelines (GRI-G3 Level B (GRI checked)from 2008 to 2013). Since 2014, STM reports follow GRI-G4, which aims to ensure that the content of the sustainability report covers sustainability issues deemed relevant by the internal and external stakeholders. GRI-G4 also requires greater transparency on the impacts of a company's supply chain.

This presentation aims to present our Sustainable Development Plan 2020 and our reporting practices. We also want to share our experience with the materiality process. This significant stakeholder consultation has not only driven the sustainable development report content, but also the revision of the STM Sustainable Development Plan.

Main topics :

- STM Sustainable Development Plan 2020
- STM sustainable reporting practices (GRI 4)
- Stakeholder consultation on sustainable development issues
    - Methodology
    - Results
        - Used for 2015 and 2016 Reports
        - Used for the Sustainable Development Plan revision
- Lessons learned and next steps

Panel: **DECARBONISING PUBLIC TRANSPORT (PS6)**

Duration: **90 minutes**
Time: **Monday 15th at 16:00**

The 2015 Paris Climate Agreement (COP 21) raised the politics of ambition and created a political pathway for global CO_2 mitigation and carbon neutral efforts. Urgent action is also needed on air quality. This lays down the gauntlet for the transport sector but represents an opportunity for public transport to lead by example. Achieving decarbonisation will be complex and while advances in digital connectivity and technology innovations in transport power and vehicles will deliver significant progress, this will not be enough. Avoiding inefficient or unnecessary travel or by shifting to low carbon transport modes and systems will be just as important through changes in behaviour, new approaches to organising mobility, infrastructure investments and land use planning. The session will focus on developing new policy pathways, success factors and actions required to move from concept to implementing a carbon neutral transformational pathway.

1. **The COP Paris Climate Agreement and Sustainable Development Goals (SDGs)**

The first session will introduce the 2030 Sustainable Development Agenda and the COP21 Paris Agreement, considering both the global and national perspectives before focusing on the role of multi-modal public transport (e.g. as reflected in the national climate strategies, SDG 11.2 which calls for expanding public transport and the UNSG High Level report on sustainable transport). By highlighting local level actions it can also show how the sector is helping feed into national strategies. It will also stress that the politics of ambition means that the transport sector now needs to look towards decarbonisation. The session will help to develop key messages for COP23 and encourage the sector to engage their national ministries on public transport to ensure that interventions are of quality and that the sector can scale up national ambition.

2. **Climate policies and how the sector can help decarbonise the transport sector**

Local level action can either be enabled or held back by national governments. Panelists will share their experiences and learning from a variety of cities on what has helped them implement their low carbon programmes and initiatives. The issue of transit avoided carbon will be brought out in the discussions and its role in decarbonisation. This will help highlight the essential role that the avoid-shift-improve approach to policy making can help play in advancing multi-modal low carbon transport and move the sector towards a decarbonisation path.

3. **Climate technologies and innovations**

The session will examine innovative business models, technology and technology transfer, amongst others. The session should also highlight the need to take a systems approach to enable the decarbonisation of transport as technology alone will not deliver at the scale needed - highlighting the importance of the avoid-shift concept and technologies and innovations that can enable this. As such, a key takeaway should be the need to develop multi-modal transport systems and the efforts being undertaken in the different cities around the globe.

4. **Climate and air quality issues**

Climate action should not come at the expense of poor air quality and vice versa. The session would look at complementary policies that have helped reduce emissions and highlight that the

quickest and most effective way to reduce the immediate problem of poor air quality is through avoid shift policies. The session will also highlight that not all the policy instruments are at the control of the local level which demonstrates the importance on national governments supporting action notably by proposing multi-modal public transport interventions in national climate and sustainable development strategies linked to the SDGs.