



Transportation

Transportation is vital to society, allowing us to move people, goods and services around. However, our transportation habits also have adverse effects on the environment.

All internal combustion engines that burn fossil fuels emit nitrogen oxides and volatile organic compounds that contribute to smog and local air pollution. They also emit greenhouse gases (nitrogen dioxide and carbon dioxide), and are a major contributor to global climate change. Today, over 50% of GHG emissions produced directly by Canadians are due to passenger road transportation.^{TR1}

The key to reducing the environmental impacts of transportation involves improving fuel

efficiency, using alternate (less-polluting) fuel types, eliminating unnecessary use of vehicles and encouraging the use of options such as public transit, walking and cycling in place of the automobile.

Unfortunately, our reliance on automobiles has also resulted in communities that are designed more for

Goal: A community-wide shift towards low impact and low carbon methods of transport.

cars than for people. This affects the convenience, accessibility and appeal of using methods of transport besides the single-occupant vehicle. Urban development policies, transportation infrastructure, and parking availability and pricing influence our transportation choices and need to better support lower-impact transportation options.



What YOU can do

- Use your vehicle only when no other options are feasible.
- Buy a fuel efficient model when replacing your old vehicle.

Objectives & Actions

OBJECTIVE

By 2019, achieve a reduction in transportation related CO₂ emissions by 1 tonne per capita.

ACTIONS

The City of Greater Sudbury will:

- Enact and enforce an Anti-idling By-law
 - Review taxi licensing requirements for opportunities to encourage the purchase of highly fuel efficient vehicles
 - Discourage the establishment of new drive-thru facilities
 - Support development patterns that complement active transportation and transit use
- (See [Energy Section](#) for actions relating to the municipal vehicle fleet.)

EarthCare Sudbury Partners will:

- Reduce the length and number of vehicle trips
- Purchase fuel efficient vehicles
- Implement measures to reduce idling within their operations
- Investigate the feasibility of a car-sharing service for Greater Sudbury

What YOU Can Do:

- Maintain proper tire pressure
- Employ fuel efficient driving practices

[LEARN HOW](#)



What YOU can do

- Avoid idling your vehicle.
- Perform a monthly maintenance check on your vehicle.

Objectives & Actions cont'd

OBJECTIVE

Increase transit ridership per capita.

ACTIONS

The City of Greater Sudbury will:

- Further enhance the convenience, reliability and appeal of using the transit system

EarthCare Sudbury Partners will:

- Participate in transit ridership promotions

OBJECTIVE

Reduce the percentage of single-occupant vehicles travelling in Greater Sudbury.

ACTIONS

EarthCare Sudbury Partners will:

- Establish carpooling incentives for employees
- Initiate and support alternative transportation projects

The City of Greater Sudbury will:

- Encourage future development in identified activity nodes to discourage urban sprawl



What YOU can do

- Ride the bus instead of relying on your car to get around the city.
- Take advantage of ridership incentives.

Objectives & Actions cont'd

OBJECTIVE

Improve infrastructure supporting active and non-motorized transport.

ACTIONS

The City of Greater Sudbury will:

- Complete a sustainable mobility plan by the end of 2010
- Integrate active transportation into all development plans and into road construction and reconstruction projects
- Consider options for employing a Bicycle Coordinator
- Consult with the [Bicycle Advisory Panel](#) and [Rainbow Routes Association](#) on road and sidewalk projects
- Provide adequate bike racks at municipal buildings and in all public spaces

EarthCare Sudbury Partners will:

- Provide adequate bike parking facilities for their organization
- Support the creation of bike lanes as part of road construction projects
- Facilitate the joining of communities in Greater Sudbury by trail neighbourhood connections



Rainbow Routes Association

What YOU can do

- Walk and bike to get around – help increase demand for pedestrian and bike-friendly infrastructure!

Objectives & Actions cont'd

OBJECTIVE

Raise awareness about the viability of alternative transportation options in Greater Sudbury.

ACTIONS

EarthCare Sudbury Partners will:

- Identify the bus route(s) serving their locations and encourage employees and visitors to use these routes
- Promote the [Rainbow Routes](#) trail system among employees
- Create and /or promote resources that facilitate carpooling (e.g. greatersudbury.carpoolzone.ca, workplace carpool bulletin board, etc.)

The City of Greater Sudbury will:

- Publicize improvements to the transit system
- Continue to produce and distribute marketing and communication materials relating to transit service



What YOU can do

- Participate in workplace and community-based carpool matching programs.

References

- TR1 Environment Canada. (October 11, 2007). Envirozine. Issue 76
- TR2 Appleton Charitable Foundation. (2008) [SMART Transportation Ranking Report](#). p.30
- TR3 Statistics Canada. (2006). [Employed labour force by mode of transportation to work, by census metropolitan area](#).
- TR4 Earth Tech Canada Inc. (2005) [City of Greater Sudbury Transportation Study Report](#). p. 37
- TR5 Ontario Municipal CAO's Benchmarking Initiative. (2007) [Performance Benchmarking Report](#). p. 77
- TR6 Rainbow Routes. (2009). [About Us – Quick Facts](#)

Monitoring References

[Green Apple SMART Transportation Ranking Report](#)
[Statistics Canada](#)
[City of Greater Sudbury Transportation Study Report](#)
[OMBI Performance Benchmarking Report](#)
[Rainbow Routes](#)



What YOU can do

- Take the bus or use active methods of transportation whenever possible.