

Summary of Adaptation Measures, 2014-16 for the City of Sarnia

Parks & Recreation:

- Tree planting annually by working with community groups, developers and city projects (approximately 1,000 trees per year)
- Promotion of tree watering and maintenance by residents to improve and preserve tree canopy
- Implement additional Return-to-Landscape projects in city parks, i.e. re-introduction of native plant species
- Installation of water and energy saving systems at City arenas

Transit:

- Introduce measures to increase transit ridership:
 - Increase and maintain service levels and frequencies to include weekend service and service to new areas of the City
 - Phasing in accessible bus stops
 - Inclusion of bike racks on conventional buses for year-round use
 - Provide real-time bus location and passenger information
- Complete the Transit Master Plan to improve 'ease of use' of transit and include more direct routing
- For the Care-a-Van service, moving toward a more automated dispatch scheduling system to schedule trips more effectively, thereby reducing travel times and fuel consumption
- Continued fleet renewal with more fuel efficient and accessible buses
- Adapting to ultra-low sulfur diesel fuel rated at 15-30 particulates ppm (compared to 350 ppm)
- Introduce vehicle anti-idling policy

Engineering & Public Works:

- Implement new Stormwater Management Guidelines to facilitate incorporation of low impact development in the design of stormwater management infrastructure for both new development and redevelopment projects
- Real time weather monitoring during winter months to maximize the efficiency and effectiveness of the winter control maintenance program and ensure public safety
- Added municipal snow removal activities on sidewalks and walking trails to support transit and walking as viable winter modes of travel
- Complete and implement a Transportation Master Plan, which includes recommendations for increasing cycling and pedestrian mode share

Emergency Management:

- Incorporation of Everbridge community notification network to provide citizens with better access to emergency alerts and public notifications, including extreme weather events

Land Use Planning:

- Complete and implement a new City Official Plan featuring new policies and requirements for climate adaptation
- Complete and implement a Source Water Protection Plan for the drinking water resources serving the City

Facilities Management:

- Complete and implement Energy Conservation and Demand Management Plans for municipal buildings and facilities

Finance & Legal:

- Provide financial and legal support to all climate adaptation initiatives of the City