

# Appendix B: List of Potential Initiatives



March 2012

“Let's raise our eyes beyond the conventional horizon of a year and ask, What kind of world would we like to have in a generation?” – David Suzuki

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This List of Potential Initiatives is a guide to help the Greater Peterborough Area along its path to sustainability. It is a collection of strategies and ideas for a sustainable future that have been developed throughout the process of Sustainable Peterborough. The ideas come from multiple sources, including the Steering Committee, Community Committee and associated partners, existing plans, and the public through the consultation process. Some initiatives can be done in a short time frame, while some will take longer to get going. This list is dynamic – it will be revised regularly to match the current contexts and conditions in Peterborough, the progress that has been made to date in reaching our sustainability vision and goals, and any revised strategies to better reach those goals. By applying the sustainability decision-making framework, and implementing initiatives within this list or through the Toolbox, the Greater Peterborough Area and partnering organizations can prioritize and select initiatives to carry out annually to reach the vision.

Organizations and partners are invited to select initiatives that they are already doing or would like to do – once selected partners should contact Sustainable Peterborough to identify that they will be initiating a sustainability initiative.

The actions are organized under the Theme Areas. Each theme area includes:

- **Theme** – this is the theme area of focus for each of the actions.
- **Goal Statement** – this is where the Greater Peterborough Area community would like to be by 2037.
- **Strategic Directions** - broad strategies outlining the bigger paths the Greater Peterborough Area will use to reach the community vision.
- **Initiatives** – specific initiatives to fulfill what is outlined under each strategy.
- **Toolbox Resources** – Tools that support the strategic directions and initiatives within that specific theme.
- **Indicators** – possible indicators that could be used to assess how well we are doing at achieving the goals in each theme.

<b>Agriculture &amp; Local Food</b>	
<b>Goal:</b> We will feed ourselves sustainably with local, healthy foods.	
<b>Strategic Direction:</b> Maintain adequate farmland availability to support our sustainable agricultural needs.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Identify and protect existing farmland, and increase its capacity to supply local food needs.</p> <ul style="list-style-type: none"> <li>• Restrict development to areas that are not agriculturally significant.</li> </ul>	<ul style="list-style-type: none"> <li>• Establish systems to compensate farmers who protect farmland from development pressures.</li> </ul>
<b>Strategic Direction:</b> Facilitate the production, storage, processing, distribution, and marketing of local, healthy food.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Undertake a community food system assessment to identify gaps and opportunities to connect local food growers and producers, processors, distributors, retailers and consumers throughout the region, building on the feasibility study currently planned by the Kawartha Community Food Hub.</p> <ul style="list-style-type: none"> <li>• Undertake research to assess what produce will grow best in the region given the possibility of warming temperatures and shifting weather patterns in the face of climate change.</li> <li>• Continue to expand the network of community gardens throughout the Greater Peterborough Area, and engage the broader community in the value of gardening.</li> <li>• Where possible, provide supporting infrastructure such as municipal water access for community gardens.</li> <li>• Where possible, provide start-up essentials such as soil and/or compost for community garden sites.</li> <li>• Provide community skill sharing programs to increase awareness among community members of how to grow, process, and store food.</li> </ul>	<ul style="list-style-type: none"> <li>• Establish a permanent farmers’ market building in the City of Peterborough to allow for consistent, year-round access on any day of the week.</li> <li>• Develop a cellar or depot to address local food storage issues.</li> <li>• Consider encouraging rooftop gardens in the construction of new buildings as a means of producing food.</li> <li>• Develop the Greater Peterborough Area as a culinary tourism destination.</li> <li>• Expand and promote the Farmers Market Network.</li> <li>• Support and encourage the development of the delivery systems that get locally grown food to local markets on a year-round basis.</li> <li>• Increase the availability of local food in schools and other public buildings (possibly through institutional purchasing policies), as well as in local retail outlets.</li> </ul>

<ul style="list-style-type: none"> <li>• Promote the farm gate sale of produce.</li> <li>• Investigate the possibility of locating more Farmers’ Markets in the Greater Peterborough Area’s rural communities.</li> <li>• Restore regional primary processing capacity for produce.</li> <li>• Pursue more community-supported agriculture initiatives.</li> <li>• Continue to and expand the marketing and branding locally grown food with the Kawartha Choice FarmFresh brand.</li> <li>• Develop criteria for the use of the Kawartha Choice FarmFresh Brand</li> <li>• Consider the passage of a bylaw that would allow community members to raise poultry in an urban environment.</li> <li>• Plant fruit and nut bearing trees in appropriate public locations such as parks.</li> <li>• Consider establishing food gardens, in addition to pre-existing ornamental gardens, at municipal offices.</li> </ul>	
<p><b>Strategic Direction:</b> Encourage farmers to practice good environmental stewardship.</p>	
<p><b>Short-term Initiatives</b></p>	<p><b>Long-term Initiatives</b></p>
<ul style="list-style-type: none"> <li>• Provide educational resources for farmers on best practices in environmental stewardship.</li> <li>• Encourage the safe recycling of nutrients (i.e., waste materials) back into the land.</li> </ul>	<ul style="list-style-type: none"> <li>• Explore opportunities in, and methods of carbon neutral food production.</li> <li>• Establish group/club of “good steward” farmers committed to stewardship to reward and encourage others to engage in sustainable behaviour.</li> </ul>
<p><b>Toolbox Resources</b></p>	
<ul style="list-style-type: none"> <li>• Supporting Local Food Systems – <a href="#">Toronto Staff Report</a>, <a href="#">Kawartha Choice</a>, <a href="#">Local Food Plus</a></li> <li>• Supporting Local Food Systems II – <a href="#">Broader Public Sector Funding</a>, <a href="#">CFDC Funding</a>, <a href="#">AMI Funding</a></li> <li>• Sustainable Food Purchasing Policy – <a href="#">Peterborough City County Health Unit Policy</a></li> <li>• Completing A Community Food Assessment – <a href="#">Vancouver Report</a>, <a href="#">Calgary Food System Assessment</a>, <a href="#">B.C. Guide</a></li> <li>• Identifying and Protecting Farmland – <a href="#">Ontario Farmland Trust</a>, <a href="#">Waterloo’s Country Line Strategy</a>, <a href="#">City of Ottawa Process</a></li> </ul>	

- Supporting the Transition to Organic Farming – [OMAFRA Online Library](#)
- [Creating An Environmental Farm Plan](#)
- [Farming Best Practices Toolkit](#)
- Supporting Community Gardens – [Peterborough Community Garden Network](#), [Peterborough Policy](#)

## Indicators

- Total quantity (hectares) of farmland
- Total number of farms
- Average size (acres) of individual farms
- Average age of farmers
- Farm income by commodity
- Rate of conversion of farmland to other users
- Number of different commodities produced and percentage of total based on a benchmark year
- Volume of local processing
- Number of vendors at local farmers' markets
- Number of vendors, retailers, restaurants, etc. making use of the FarmFresh brand
- Number of farms with Environmental Farm Plans
- Number of community gardens
- Percentage of land designated for agricultural purposes which was not re-designated for other uses relative to base year

<b>Climate Change</b>	
<b>Goal:</b> We will reduce our contributions to climate change while increasing our ability to adapt to climate change conditions.	
<b>Strategic Direction:</b> Prepare to respond and adapt to changing conditions associated with climate change.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>Investigate the potential local implications of climate change and share results with decision-makers and the community.</li> <li>Prepare to respond to possible extreme weather events and emergency situations.</li> </ul>	<ul style="list-style-type: none"> <li>Implement climate change preparedness measures</li> </ul>
<b>Strategic Direction:</b> Develop broad public acceptance of efforts to mitigate climate change.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>Explore the use of high albedo surfaces (e.g., white painted roofs) in the construction of new buildings and renovation of existing buildings.</li> <li>Provide educational materials on the impacts of climate change and how to adapt in the context of a range of sectors.</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate benefits of climate change mitigation measures, continuing to encourage additional measures.</li> </ul>
<b>Strategic Direction:</b> Reduce and offset greenhouse gas emissions produced within our community.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Become active members in the Partners for Climate Protection Program (PCP) to establish a baseline of greenhouse gas emissions with a corresponding plan for achieving a set target in emissions reductions.</p> <p>For actions associated with energy use reduction, see Strategic Direction ‘Reduce our reliance on fossil fuels through conservation and the use of alternative energy sources’ and ‘Ensure efficient energy use in buildings’ in the Energy theme.</p>	<ul style="list-style-type: none"> <li>Implement greenhouse gas reduction strategies and monitor reductions.</li> <li>Establish a local carbon offsets social enterprise.</li> </ul>
<b>Toolbox Resources</b>	
<ul style="list-style-type: none"> <li>Sustainability Screening Process / Checklist – <a href="#">Canmore Screening Report</a>, <a href="#">Bancroft Checklist</a>, <a href="#">Surrey Checklist</a>, <a href="#">Stony Plain Checklist</a></li> <li>Developing Greenhouse Gas Inventory / Strategy – <a href="#">Manitoba Toolkit</a>, <a href="#">Alberta Toolkit</a></li> </ul>	

- Joining the [Partners for Climate Protection](#)
- [Understanding Climate Change Risks](#)
- [Personal Sustainability For Groups/Organizations](#)
- Climate Change Awareness for K to 12 Schools – [Planting For Change](#), [Measuring Our Resources](#), [Let's Plant](#), [Go Global](#)
- [Sustainability Practices At Home Toolkit](#)

### **Indicators**

- Community greenhouse gas emissions (measured in tonnes of CO<sub>2</sub> equivalent) by sector (i.e., public, private, community members) and fuel type
- Trends in climate data (e.g., annual precipitation, mean seasonal temperatures, number of extreme weather events, etc.)



<b>Cultural Assets</b>	
<b>Goal:</b> We will support, sustain and promote a wide breadth of community cultures.	
<b>Strategic Direction:</b> Support the Greater Peterborough Area as a centre for the arts.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Establish an Arts Committee of Council.</li> <li>• Increase the number of musical performances in the Greater Peterborough Area’s rural communities.</li> <li>• Provide spaces and resources for artistic activities.</li> </ul>	<ul style="list-style-type: none"> <li>• Increase the number of venues and resources for the arts.</li> <li>• Brand and market the Greater Peterborough Area as centre for the arts.</li> </ul>
<b>Strategic Direction:</b> Maintain and enhance our cultural spaces.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Develop an inventory of existing facilities to identify and create artistic hubs.</li> </ul>	<ul style="list-style-type: none"> <li>• Establish additional cultural spaces to address any gaps identified.</li> <li>• Ensure appropriate heritage and cultural protection policies are in place.</li> </ul>
<b>Strategic Direction:</b> Recognize and celebrate our culture and diversity.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> All municipalities in the Greater Peterborough Area should consider developing a Municipal Cultural Plan.</p> <ul style="list-style-type: none"> <li>• Establish an annual cultural fair.</li> <li>• Promote the storage of, and access to, cultural collections and property.</li> <li>• Foster the development of alternative social networks catering to immigrant population.</li> <li>• Appropriately recognize, document, and apply traditional knowledge and incorporate it into decision-making processes.</li> </ul>	
<b>Strategic Direction:</b> Maintain the character of our heritage including our built heritage, our rural characteristics, and landscapes.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Increase the awareness of the region’s heritage buildings through</li> </ul>	<ul style="list-style-type: none"> <li>• Protect and restore heritage buildings.</li> </ul>

<p>increased promotion.</p> <ul style="list-style-type: none"> <li>• Develop conservation policies within Official Plans for heritage sites in those communities that have yet to do so.</li> <li>• Establish Heritage Committees of Council.</li> </ul>	
<p><b>Toolbox Resources</b></p>	
<ul style="list-style-type: none"> <li>• <a href="#">Creating More Successful Public Spaces</a></li> <li>• <a href="#">Working With Your Library</a></li> <li>• <a href="#">Cultural Resource Mapping Guide</a></li> <li>• <a href="#">Ten Things To Support Culture</a></li> <li>• Creating A Municipal Cultural Plan – <a href="#">MCPI Toolkit</a>, <a href="#">Peterborough Plan</a></li> <li>• Support Public Art – <a href="#">Calgary Policy</a>, <a href="#">Thunder Bay Policy</a></li> <li>• <a href="#">Eight Lessons To Promote Diversity In Public Places</a></li> </ul>	
<p><b>Indicators</b></p>	
<ul style="list-style-type: none"> <li>• Social, religious, cultural and ethnic diversity as measured in Statistics Canada Census data</li> <li>• Number of newcomers to the Greater Peterborough Area</li> <li>• Number of private and public arts and culture spaces</li> <li>• Annual number of visitors to community arts, culture, and heritage facilities</li> <li>• Number of heritage buildings</li> </ul>	

<b>Economic Development &amp; Employment</b>	
<b>Goal:</b> We will create and retain prosperity by providing investment and employment opportunities within sustainable local and global markets.	
<b>Strategic Direction:</b> Encourage and promote our leadership in sustainability to attract people and investors to the region.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<b>Priority Action:</b> Through community asset mapping, promote the region’s abundant natural assets, its sustainability initiatives and industries, and its economic potential.	<ul style="list-style-type: none"> <li>• Align GPA EDC Strategic Plan with the Sustainable Peterborough Plan</li> </ul>
<b>Strategic Direction:</b> Retain youth in our communities through education and employment opportunities.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Create a space for local youth to learn skilled trades.</li> <li>• Develop a local mentorship program to partner youth with members of the business community.</li> </ul>	<ul style="list-style-type: none"> <li>• Create an incentive program for Trent and Fleming graduates as well as skilled youth who stay in the region to work.</li> <li>• Develop and implement a business retention and attraction strategy.</li> </ul>
<b>Strategy:</b> Transition to the creative economy by creating meaningful employment.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Identify and bring together existing people in the creative economy.</li> <li>• Identify skill gaps and work with our educational institutions to encourage enrolment in related programs.</li> </ul>	
<b>Strategic Direction:</b> Sustain our vibrant downtown/village centres as hubs for services and products.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• In communities that have yet to do so, develop Community Improvement Plans to stimulate downtown revitalization.</li> <li>• Continue ongoing streetscaping efforts, using Hunter Street in Peterborough as an example.</li> <li>• Install informative maps in downtowns throughout the region, with a community-specific focus, indicating notable sights to see.</li> </ul>	<ul style="list-style-type: none"> <li>• Direct new businesses and employment opportunities to the downtown/village centres.</li> </ul>
<b>Strategic Direction:</b> Support local businesses to transition to sustainable models.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>

<ul style="list-style-type: none"> <li>• Define what sustainable business means to this community and create a local inventory to promote and showcase best practices.</li> <li>• Promote and celebrate businesses engaging in sustainable business activities.</li> </ul>	<ul style="list-style-type: none"> <li>• Create incentive programs (financial or otherwise) for businesses that implement sustainable practices or offer sustainable/local products.</li> </ul>
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**Toolbox Resources**

- Community Improvement Plans – [CIP Handbook](#), [Smith-Ennismore-Lakefield Process](#)
- [“Creative Economy Potential” Assessment Tool](#)
- [Aboriginal Business Development Toolkit](#)
- [Ontario Business Program Guide](#)
- [Fostering Sustainable Business Practices in the Kawarthas](#)



**Indicators**

- Unemployment rate
- Median income
- % of those living in poverty
- Education rates among community members
- Diversity of educational opportunities (i.e., trade programs, adult education, certificate programs, degree and diploma programs, etc.) available locally
- Net migration of youth (<24 years)
- Number of youth employed locally
- Number of tourists visiting the Greater Peterborough Area annually
- Number of bed and breakfast and hotel room lets per year
- Number of consultations with the Greater Peterborough Area Economic Development Corporation’s Business Advisory Centre
- Number of new business started annually
- Vacancy rates in downtowns, relative to an established benchmark
- Number and value of applications improved under Community Improvement Plan initiatives

<b>Energy</b>	
<b>Goal:</b> We will minimize the amount of energy we use and maximize the production of local, dependable sources of renewable energy.	
<b>Strategic Direction:</b> Reduce our reliance on fossil fuels through conservation and the use of alternative energy sources.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Build a central source of expertise and advice which can assist each sector in achieving our energy conservation goals.</li> <li>• Undertake auditing of fleets to assess use imperative and to understand where efficiency improvements can be made.</li> <li>• Explore alternative fuel (e.g., electric, hybrid, natural gas, etc.) options in fleet vehicles.</li> <li>• Keep abreast of the infrastructure requirements for alternative modes of transportation (e.g., car charging depots).</li> <li>• Encourage carpooling through a web service.</li> </ul> <p>For actions associated with active transportation, see Strategic Direction Provide accessible and complete active transportation opportunities that are attractive alternatives to the private automobile’ in the Transportation theme.</p>	<ul style="list-style-type: none"> <li>• Increase availability of park and ride lots to encourage carpooling.</li> <li>• Reduce the need for commuting by creating more opportunities for working closer to home (i.e., designing complete communities).</li> <li>• Explore opportunities in district heating.</li> <li>• Consider installing roundabouts in place of traffic lights.</li> </ul>
<b>Strategic Direction:</b> Ensure efficient energy use in buildings.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Establish energy efficiency standards for all new development which would consider LEED certification in all new construction and for renovations.</p> <ul style="list-style-type: none"> <li>• Limit the use of energy-intensive operations in buildings during off-peak hours.</li> <li>• Undertake energy auditing of buildings to understand where efficiency improvements can be made.</li> <li>• Provide a checklist for homeowners and small businesses to assess their own energy use and level of efficiency.</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage smaller homes in an effort to increase efficiency through the alteration of Building Codes.</li> </ul>

<ul style="list-style-type: none"> <li>• Encourage the undertaking of an energy audit before a transfer of property ownership takes place.</li> </ul>	
<b>Strategic Direction:</b> Lead the way in the development and use of renewable energy technologies.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Develop Community Energy Plans in each of the Greater Peterborough Area’s member communities, coordinated at a regional level.</p> <ul style="list-style-type: none"> <li>• Actively promote the economic development opportunities associated with burgeoning renewable energy industries.</li> <li>• Explore partnerships with Trent University and Fleming College to develop new renewable energy technologies.</li> <li>• Utilize the abundant hydroelectric opportunities, through run-of-river technology, to produce clean electricity locally.</li> <li>• Allow, to the greatest extent possible, local influence in planning and siting decisions for renewable energy projects.</li> <li>• Pursue opportunities associated with community-owned renewable energy initiatives as incented under Ontario’s Feed-in Tariff program.</li> </ul>	
<b>Toolbox Resources</b>	
<ul style="list-style-type: none"> <li>• <a href="#">Negotiating Ontario’s Feed-in-Tariff program</a></li> <li>• <a href="#">Municipal Energy Efficiency Planning Workbook</a></li> <li>• Energy Management &amp; Greenhouse Gas Reduction Program – <a href="#">LAS Energy Management Tool</a>, <a href="#">Saskatoon Plan</a></li> <li>• Developing A Community Energy Plan – <a href="#">B.C. Toolkit</a>, <a href="#">Guelph Community Energy Initiative</a>, <a href="#">Aboriginal Energy Planning</a>, <a href="#">RFP Template</a></li> <li>• More Energy Efficient Development</li> <li>• <a href="#">Aboriginal Renewable Energy Network</a></li> <li>• <a href="#">Renewable Energy Development</a></li> <li>• <a href="#">Alternative Land Use Services For Farmers</a></li> <li>• <a href="#">Greenbelt Green Energy Program For Agriculture</a></li> </ul>	

- [Funding For Community Renewable Energy Projects](#)
- Save ON Energy – [Save ON Energy](#), [Ministry of Energy Program](#)
- Ontario Smart Home Roadmap – [Roadmap](#), [Smartgrid Report](#)
- [Steps For Developing A Renewable Energy Project](#)
- One Hundred Ways To Save Energy – [Guelph Ideas](#), [Peterborough Distribution Inc.](#)
- [Home Weatherization Program For Low Income Households](#)
- [Energy Conservation](#)
- [Running A Sustainability Awards Program](#)
- [Sustainable Business Awards Program](#)

### Indicators

- Per capita energy consumption by fuel type (i.e., kWh/year, m<sup>3</sup> of natural gas/year, litres of fuel/year, etc.)
- Municipal energy consumption by fuel type (i.e., kWh/year, m<sup>3</sup> of natural gas/year, litres of fuel/year, etc.)
- Private sector energy consumption by fuel type (i.e., kWh/year, m<sup>3</sup> of natural gas/year, litres of fuel/year, etc.)
- Total MW of installed renewable energy capacity
- % of energy used considered to be renewable/sustainable

<b>Healthy Communities</b>	
<b>Goal:</b> We will be a community where everyone has the opportunity and support to achieve their physical, social, mental, emotional and spiritual potential.	
<b>Strategic Direction:</b> Encourage health and social services that focus on preventative care, are accessible, and meet the needs of our community as it changes.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Emphasize preventive measures as a means of reducing the expense of treating illnesses.</li> <li>• Continue to promote the community to potential physicians.</li> <li>• Create and continually update a regional inventory of where to find health and social services.</li> <li>• Promote the use of substance abuse and addiction programs.</li> <li>• Promote mental health education programs.</li> <li>• Monitor emerging trends in health and healthcare provision and adjust program delivery accordingly.</li> <li>• Continue to offer community spaces such as 'Our Space'.</li> </ul>	<ul style="list-style-type: none"> <li>• Decentralize the delivery of social and medical services so as to allow for easier access.</li> <li>• Conduct community-wide health audits and adjust program delivery accordingly based on the results.</li> </ul>
<b>Strategic Direction:</b> Provide sport and recreational opportunities that are accessible to all.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Assess park and open space capacity to ensure that there is sufficient green space for area residents.</li> <li>• Assess park and open space services relative to community demographics to ensure that there are a variety of accessible, year-round recreational opportunities for all levels of users in both the present and future.</li> <li>• Continue to offer shared facilities that promote good health and active lifestyles (e.g., Peterborough Wellness Centre and the YMCA)</li> </ul>	<ul style="list-style-type: none"> <li>• Address gaps in open space capacity and relevance.</li> </ul>
<b>Strategic Direction:</b> Strive for adequate and attainable housing to increase the quality of life for all.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>



<p><b>Priority Action:</b> Increase the availability of affordable housing throughout the entire Greater Peterborough Area.</p>	<ul style="list-style-type: none"> <li>• Encourage a variety of housing options.</li> </ul>
<p><b>Strategic Direction:</b> Encourage civic engagement by supporting citizen involvement in decision-making.</p>	
<p><b>Short-term Initiatives</b></p>	<p><b>Long-term Initiatives</b></p>
<ul style="list-style-type: none"> <li>• Empower youth at the civic level (e.g., City of Peterborough’s Youth Council).</li> <li>• Utilize social media as a means of community engagement.</li> <li>• Develop civic processes that can be led from the grassroots and neighbourhood level.</li> <li>• Ensure that processes in which community engagement is a priority are accessible to all community members.</li> <li>• Explore alternative methods of community engagement (e.g., go to places where people already are, instead of asking them to come to you).</li> </ul>	
<p><b>Toolbox Resources</b></p>	
<ul style="list-style-type: none"> <li>• <a href="#">Supporting Healthy Food Systems</a></li> <li>• Developing Affordable Housing – <a href="#">MAH Handbook</a>, <a href="#">CMHC Information</a></li> <li>• Joining A Bulk Purchasing Program – <a href="#">Fuel Procurement</a>, <a href="#">Natural Gas Procurement</a>, <a href="#">Electricity Procurement</a>, <a href="#">Group Benefits</a></li> <li>• <a href="#">Personal Sustainability For Groups/Organizations</a></li> <li>• <i>Eat-Smart</i> Recognition Program For Healthy Eating – <a href="#">Workplace Program</a>, <a href="#">Recreation Centre Program</a></li> <li>• <a href="#">Take Back The Light Fluorescent Tube Recycling Program</a></li> <li>• <a href="#">Sustainability Practices At Home Toolkit</a></li> </ul>	
<p><b>Indicators</b></p>	
<ul style="list-style-type: none"> <li>• % of population participating in recreational activities</li> <li>• Available recreational opportunities (i.e., acres of parkland per capita, total number of community centres, etc.)</li> <li>• % of public facilities that are accessible</li> </ul>	

- Affordable housing wait list length
- Diversity of housing options within the Greater Peterborough Area
- Number of volunteers
- Attendance at community events
- Attendance at public open houses
- Number of physicians per 1000 residents
- Number of people using social support programs (as collected by individual programs)
- Number of hospital beds and long-term care beds

<b>Land Use Planning</b>	
<b>Goal:</b> We will support the building of sustainable, healthy and diverse communities through planning policies and decisions that are developed and made in a transparent, open and accessible manner.	
<b>Strategic Direction:</b> Encourage land use planning that protects the unique urban and rural charms of our communities and balances the rural-urban interface.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Establish urban-rural boundaries to control development.</li> <li>• Direct new growth to existing built up areas.</li> </ul>	<ul style="list-style-type: none"> <li>• Establish policies in Official Plans defining area-specific characteristics and how to maintain them in the long term.</li> </ul>
<b>Strategic Direction:</b> Support the creation of pedestrian-oriented communities that encompass all elements we need within our community.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Develop and implement neighbourhood design guidelines that ensure equal opportunities for all users – including pedestrians, cyclists, public transportation, and automobiles – relevant to both urban and rural areas.</p> <ul style="list-style-type: none"> <li>• Establish a pedestrian only road in local downtowns if feasible.</li> </ul>	<ul style="list-style-type: none"> <li>• Increase the amount of sidewalks and walkways.</li> </ul>
<b>Strategic Direction:</b> Encourage sustainable land use that considers the net environmental impacts.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Tier development charges to lot and/or dwelling size to encourage smaller, high density developments.</li> </ul>	<ul style="list-style-type: none"> <li>• Develop environmental land use codes and standards for planning decisions to be based on.</li> </ul>
<b>Strategic Direction:</b> Place priority on brownfield redevelopment before greenfield development.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Shift focus to urban renewal and infilling rather than expanding outwards.</li> <li>• Provide/promote incentives for brownfield redevelopment.</li> </ul>	<ul style="list-style-type: none"> <li>• Create an inventory of land which can be remediated and reclaimed for brownfield development.</li> </ul>
<b>Strategic Direction:</b> Integrate current and future strategic and master plans with the Sustainable Peterborough Plan.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Establish a Greater Peterborough Area-wide advisory committee to</li> </ul>	<ul style="list-style-type: none"> <li>• Coordinate future strategic plans and other planning processes with</li> </ul>

<p>examine, align and integrate planning processes, goals and objectives at all levels of government.</p>	<p>full Sustainable Peterborough Plan review.</p>
<p><b>Toolbox Resources</b></p>	
<ul style="list-style-type: none"> <li>• Brownfield Re-Development – Reduced Development Charges – <a href="#">Brantford Bylaw</a>, <a href="#">Other Case Studies</a></li> <li>• <a href="#">Brownfield Re-Development Tools</a></li> <li>• Establishing A Heritage Committee – <a href="#">Ontario Information</a>, <a href="#">Sample Committee Bylaw</a></li> <li>• Green Roof Bylaw – <a href="#">Toronto Staff Report</a>, <a href="#">Toronto Bylaw</a></li> <li>• Developing Green Building Standards – <a href="#">Toronto Green Standard</a>, <a href="#">Ucluelet Initiatives</a></li> <li>• Incentives For Building Green – <a href="#">Toronto Refund Policy</a></li> <li>• Sidewalk Strategic Plan – <a href="#">Peterborough Plan</a>, <a href="#">Kelowna Plan</a></li> <li>• <a href="#">Making Your Community A Walkable Community</a></li> <li>• Creating ‘Complete Streets’ – <a href="#">National Complete Streets Coalition</a>, <a href="#">Complete Street Policy Elements</a></li> </ul>	
<p><b>Indicators</b></p>	
<ul style="list-style-type: none"> <li>• Attendance at public open houses and planning forums</li> <li>• Number of redevelopments relative to new developments</li> <li>• Number of brownfield sites remediated</li> <li>• Percentage change in the size of the settlement area relative to base year</li> <li>• Percentage of new lots, blocks and/or units with final approval which are located within settlement areas</li> </ul>	

<b>Natural Assets</b>	
<b>Goal:</b> We will preserve, enhance and restore our natural assets to maintain ecological health.	
<b>Strategic Direction:</b> Design and manage public green spaces in such a way as to maximize the presence and functions of natural systems.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Enhance urban forest cover and natural areas.</li> <li>• Increase green spaces in already built up areas through parkettes.</li> </ul>	<ul style="list-style-type: none"> <li>• Designate a certain percentage of public green and open spaces to be naturalized.</li> <li>• Convert underutilized areas into new green spaces.</li> </ul>
<b>Strategic Direction:</b> Conserve, manage and enhance our natural areas to foster a diversity of native species and habitat.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Adopt the ‘Kawarthas...Naturally Connected” Natural Heritage System and integrate it into Official Plans.</p> <p><b>Priority Action:</b> Identify and help access financial incentives for environmentally sound land stewardship practices.</p> <ul style="list-style-type: none"> <li>• Where possible, reconnect fragmented habitat through planting and restoration programs.</li> <li>• Document and record the various species and natural systems found throughout the region.</li> <li>• Utilize land as a mean of protecting natural heritage features.</li> <li>• Promote the income tax benefits associated with land conservation programs.</li> <li>• Inventory and identify terrestrial ecosystems in need of restoration.</li> <li>• Develop tree conservation measures.</li> </ul>	<ul style="list-style-type: none"> <li>• Investigate the opportunities related to ecosystem services and how they can be utilized to provide incentives for the conservation and stewardship of natural assets.</li> <li>• Monitor trends in fish and wildlife stocks to ensure sustainable populations.</li> <li>• Assess roadways for the possible need for the installation of wildlife passageways to reduce collisions.</li> <li>• Consider the possibility of establishing a public-private research centre focussing on the rehabilitation of quarry sites.</li> </ul>
<b>Strategic Direction:</b> Develop an understanding and appreciation of the significance of our natural assets.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• In cooperation with local community groups and organizations, undertake community-based outreach and education to develop an understanding of the significance of our natural assets.</li> <li>• Educate community members and visitors about invasive species and</li> </ul>	<ul style="list-style-type: none"> <li>• Improve information gathering, mapping, training, and assessment practices for natural heritage to better enable informed decision-making.</li> </ul>

<p>how to limit their spread.</p> <ul style="list-style-type: none"> <li>• Make native plant lists available to the public to encourage the planting of native tree and herbaceous species.</li> </ul>	
<p><b>Strategic Direction:</b> Maintain and enhance the quality of our air.</p>	
<p><b>Short-term Initiatives</b></p>	<p><b>Long-term Initiatives</b></p>
<ul style="list-style-type: none"> <li>• Plant more native tree species throughout the entire region.</li> <li>• Increase the public’s awareness of the City of Peterborough’s anti-idling bylaw.</li> <li>• Establish anti-idling bylaws in those communities where they do not yet exist.</li> </ul>	
<p><b>Toolbox Resources</b></p>	
<ul style="list-style-type: none"> <li>• Tax Exemptions For Conservation – <a href="#">Case Studies (pg. 87)</a>, <a href="#">Sample Bylaw Provisions (pg. 203)</a></li> <li>• Protecting Natural Heritage – <a href="#">Kawartha Natural Heritage System</a>, <a href="#">KHC Land Trust</a>, <a href="#">Guelph Heritage Strategy</a>, <a href="#">Guelph Official Plan Update</a></li> <li>• <a href="#">Environmental &amp; Stewardship Education For Children</a></li> <li>• <a href="#">Ten Ways To Save Your Local Woods</a></li> <li>• Sustainable Gardens &amp; Yards – <a href="#">Peterborough’s Ecology Park</a>, <a href="#">Gardening FactSheets</a></li> <li>• Supporting Urban Forestry – <a href="#">Trees In The City</a>, <a href="#">Choosing The Right Tree</a>, <a href="#">Peterborough Draft Urban Forest Strategic Plan</a></li> </ul>	
<p><b>Indicators</b></p>	
<ul style="list-style-type: none"> <li>• Number of Areas of Natural &amp; Scientific Interest (ANSI) and other significant natural heritage areas</li> <li>• % native forest cover</li> <li>• Area / km of connecting natural areas (wildlife corridors)</li> <li>• Degree of habitat fragmentation</li> <li>• Number of landowners involved in land stewardship practices</li> <li>• Number of rare and endangered species</li> <li>• Native species abundance</li> <li>• Number of non-native, invasive species</li> <li>• Trends in ground level ozone (O<sub>3</sub>), Particulate Matter (PM<sub>2.5</sub>, PM<sub>10</sub>) and Nitrogen Dioxide (NO<sub>2</sub>)</li> </ul>	

- Air Quality Health Index

<b>Transportation</b>	
<b>Goal:</b> We will have an accessible transportation network that places priority on active and efficient modes of transportation.	
<b>Strategic Direction:</b> Provide accessible and complete active transportation opportunities that are attractive alternatives to the private automobile.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Complete the proposed Short-Term Cycling Network as outlined in the City of Peterborough’s Comprehensive Transportation Plan Update and integrate it to the greatest extent possible with existing and new cycling trails in the County of Peterborough .</p> <ul style="list-style-type: none"> <li>• Increase local and regional trail connectivity through a coordination of efforts.</li> <li>• Convert abandoned rail corridors to recreational trails.</li> <li>• Increase the number of bike racks in public locations.</li> <li>• In cyclist and pedestrian-heavy areas, explore traffic slowing measures to increase safety.</li> <li>• Promote the benefits of active transportation.</li> <li>• Develop consistent sidewalk policies for new developments, requiring complete sidewalks on both sides of the street.</li> </ul>	<ul style="list-style-type: none"> <li>• Over time, design and plan communities so as to account for alternatives to motorized vehicles.</li> <li>• Complete the proposed Long-Term Cycling Network as outlined in the City of Peterborough’s Comprehensive Transportation Plan Update and integrate it to the greatest extent possible with existing and new cycling trails in the County of Peterborough.</li> <li>• Encourage employers to add facilities to park and store bicycles, and to add showers for employees.</li> <li>• Increase the number of bike lanes and widen shoulders to encourage cycling.</li> </ul>
<b>Strategic Direction:</b> Enhance public transportation that is accessible, affordable, efficient, and effective to support the needs of the community.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Assess innovative solutions to the mobility challenges facing people in the Greater Peterborough Area.</p> <ul style="list-style-type: none"> <li>• Improve the profile and perception of public transit through marketing campaigns.</li> <li>• Promote the City of Peterborough’s transit system with more free days or one free monthly pass/year for residents.</li> <li>• Create an increasingly linked City transit system with transfer options throughout the City as opposed to the current hub system.</li> </ul>	<ul style="list-style-type: none"> <li>• Increase efficiency and ease of access at peak times so as to target people going to and from work.</li> <li>• When infrastructure permits, incorporate the inclusion of bike racks on City buses.</li> <li>• Support the ongoing Shining Waters Railway initiative.</li> <li>• Consider using smaller-sized transit vehicles where appropriate.</li> </ul>



## Toolbox Resources

- [Transportation – Greenhouse Gas Reduction](#)
- Community Wide/Rural Public Transit – [Norfolk Program](#), [Trout Program](#)
- Greening Your Fleet – [Resources Guide](#), [Best Practices Guide](#), [FCM Program](#)
- Transportation Planning
- [Green Defensive Driving](#)
- [Reducing Vehicle Use / Improving Vehicle Efficiency](#)
- [Contest For Vehicle Use Reduction](#)

## Indicators

- Ridership figures for public transit
- Participants (workplaces and total individuals) in Shifting Gears
- % of area residents commuting to work as the lone occupant in a motor vehicle
- Kilometres of sidewalks, bike lanes, recreational trails, and transit routes per capita
- Average commuter distance

<b>Waste</b>	
<b>Goal:</b> We will reduce the amount of waste we generate by using resources wisely.	
<b>Strategic Direction:</b> Reduce the amount of waste we generate.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Continue programs such as litter-less lunches in schools, and consider expanding into people’s workplaces.</li> <li>• Go paperless to the greatest extent possible.</li> <li>• Establish region-wide clean up days, in an effort to make the Greater Peterborough Area a ‘litter free’ community.</li> <li>• Foster behavioural changes in the community in an effort to reduce the amount of waste we generate.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce the frequency of garbage collection in an effort to encourage waste reduction and diversion.</li> <li>• Treat waste as a utility with user to pay based on level of use.</li> </ul>
<b>Strategic Direction:</b> Reuse materials wherever possible.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<b>Priority Action:</b> Identify and promote opportunities for the reuse or recycling of reusable goods and materials.	
<b>Strategic Direction:</b> Maximize diversion of materials from disposal as viable markets and technologies become available.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<b>Priority Action:</b> Establish a curbside organic waste collection program. <ul style="list-style-type: none"> <li>• Require participation in waste diversion programs mandatory.</li> <li>• Establish a municipal drop off for metal.</li> <li>• Increase the availability of recycling and compost disposal options in public spaces and at public events.</li> <li>• Recognize good behaviours when it comes to waste diversion efforts.</li> <li>• Target waste streams that are diverted at less frequently (i.e., MHSW, WEEE) and make them easier and more convenient to divert.</li> <li>• Expand municipal recycling collection programs to private roads.</li> </ul>	<ul style="list-style-type: none"> <li>• Establish a ‘toxic taxi’ for the collection of Municipal Hazardous and Special Waste from households.</li> </ul>

<b>Strategic Direction:</b> Recover resources where possible.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Encourage home composting on use of compost on peoples' properties.</li> <li>• Establish centralized composting systems at waste transfer sites in the region's rural communities.</li> <li>• Offer reduced/free compost to residents generated from organic waste collection.</li> </ul>	<ul style="list-style-type: none"> <li>• Establish public-private biogas facilities to generate electricity from the gases produced during the decomposition of organic waste.</li> <li>• Investigate energy from waste options.</li> <li>• Explore the feasibility of landfill mining for resource recovery.</li> </ul>
<b>Toolbox Resources</b>	
<ul style="list-style-type: none"> <li>• <a href="#">Bicycle Recycling Program</a></li> <li>• Green Events Scorecard &amp; Planning – <a href="#">San Antonio Guide</a>, <a href="#">Zero Waste Toolkit</a></li> <li>• <a href="#">Curbside Organic Waste Collection</a></li> <li>• <a href="#">Five Things Restaurants Can Do To Be More Sustainable</a></li> <li>• <a href="#">Earthwise Thunder Bay Net Zero Business Guide</a></li> <li>• School Waste Reduction Programs – <a href="#">Quest For Less Program</a>, <a href="#">Peterborough Green-Up Programs</a></li> <li>• <a href="#">Waste Reduction Toolkit For Construction/Demolition Projects</a></li> <li>• <a href="#">Local Re-Use &amp; Recycling Guide</a></li> <li>• Backyard Composting – <a href="#">Peterborough Ecology Park</a>, <a href="#">Composting Fact Sheets</a></li> <li>• <a href="#">Sustainable Household Products</a></li> </ul>	
<b>Indicators</b>	
<ul style="list-style-type: none"> <li>• Total waste generated per capita (kg/person/year)</li> <li>• Waste diversion rate (%)</li> <li>• Participation rates (%) in recycling programs</li> <li>• Participation rates (%) in curbside organics programs</li> <li>• Awareness of and participation rates (%) in hazardous and electronic waste disposal programs</li> <li>• Number of households with backyard composters</li> </ul>	

<p><b>Water</b></p> <p><b>Goal:</b> We will make wise use of our water to enhance its quality and quantity, ensuring that future generations will be able to use our water to drink, fish, and swim.</p>	
<p><b>Strategic Direction:</b> Protect watersheds to ensure healthy water quality and quantity.</p>	
<p><b>Short-term Initiatives</b></p> <ul style="list-style-type: none"> <li>• Reduce the use of road salt where possible.</li> <li>• Entrench water quality and quantity protection measurements in municipal by-laws.</li> <li>• Actively encourage Cottage and Lake Associations to undertake lake management planning efforts.</li> <li>• Encourage composting toilets for cottage and seasonal use.</li> <li>• Address the effects of agricultural runoff on our water quality (e.g., through vegetative buffers along watercourses).</li> <li>• Inspect septic systems to ensure efficacy and to reduce the number of malfunctioning systems.</li> <li>• Where possible, explore alternatives to non-cosmetic pesticide applications in addition to the already banned cosmetic pesticide applications.</li> <li>• Meaningfully protect fish habitat through development guidelines.</li> </ul> <p>For actions associated with invasive species, see Strategic Direction ‘Develop an understanding and appreciation of the significance of our natural assets’ in the Natural Assets theme.</p>	<p><b>Long-term Initiatives</b></p> <ul style="list-style-type: none"> <li>• Increase the quality of effluent being discharged from Wastewater Treatment Plants.</li> <li>• Expand the work of groups such as the Kawartha Lakes Stewards Association to cover the entire Greater Peterborough Area.</li> <li>• Naturalize storm water management systems where possible.</li> <li>• Incorporate lake capacity considerations in land use planning decisions.</li> <li>• Explore alternatives to traditional wastewater treatment such as marshland water treatment.</li> <li>• Investigate and consider increasing the permeability of traditionally impermeable surfaces such as roads, sidewalks, and parking lots.</li> <li>• Establish a baseline of lake water quality indicators against which long-term trends could be measured.</li> <li>• Develop freshwater ecosystem research capacity with Trent University and Fleming College, making the GPA a centre for lake and stream water quality research.</li> </ul>
<p><b>Strategic Direction:</b> Conserve the amount of water we use.</p>	
<p><b>Short-term Initiatives</b></p> <p><b>Priority Action:</b> Establish a water conservation and efficiency program that motivates water consumers and makes available resources for water conservation.</p> <ul style="list-style-type: none"> <li>• Implement lawn-watering restrictions, such as by-laws.</li> </ul>	<p><b>Long-term Initiatives</b></p> <ul style="list-style-type: none"> <li>• Explore uses for grey water.</li> <li>• Investigate and correct water losses in municipal distribution systems.</li> <li>• Install water meters requiring water users to pay for what they use.</li> </ul>

<b>Strategic Direction:</b> Recognize and protect the ecological functions of the shorelines of water bodies.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<p><b>Priority Action:</b> Find funding that will enable the inventorying and identification of shoreline and wetland areas in need of ecological restoration.</p> <ul style="list-style-type: none"> <li>• Ensure that the conversion from seasonal to permanent residency occurs through zoning bylaws or Official Plan reviews.</li> <li>• Ensure adequate setbacks from waterfronts for both new and redevelopments.</li> </ul>	<ul style="list-style-type: none"> <li>• When possible, publicly purchase shoreline land.</li> </ul>
<b>Strategic Direction:</b> Maintain public access to our lakes and rivers for recreation and enjoyment.	
<b>Short-term Initiatives</b>	<b>Long-term Initiatives</b>
<ul style="list-style-type: none"> <li>• Maintain public access opportunities for swimming and other recreational activities on lakes and rivers.</li> <li>• Maintain public boat launches on areas lakes and rivers.</li> </ul>	<ul style="list-style-type: none"> <li>• When possible, purchase shoreline land.</li> </ul>
<b>Toolbox Resources</b>	
<ul style="list-style-type: none"> <li>• <a href="#">Surface Water Management Plan Bylaw</a></li> <li>• Water Use Conservation Bylaw – <a href="#">Richmond Hill Bylaw</a>, <a href="#">Richmond Hill Website</a>, <a href="#">Peterborough Utilities Policy</a></li> <li>• Restoring Wetlands – <a href="#">Wetland Drain Restoration Project</a>, <a href="#">MNR Overview</a></li> <li>• Water Conservation Projects – <a href="#">Main Toolkit</a>, <a href="#">Quick Guide</a></li> <li>• Water Conservation Incentive Program – <a href="#">Norfolk County Program</a>, <a href="#">Welland Program</a></li> <li>• <a href="#">Controlling Stormwater Using Green Infrastructure</a></li> <li>• <a href="#">Testing Your Lake Water</a></li> <li>• Lakeland Alliance – <a href="#">Advisor Program</a>, <a href="#">Shoreline Owner’s Guide</a></li> <li>• Using A Rain Barrel – <a href="#">Green-Up Fact Sheet</a>, <a href="#">Peterborough ReUses Information</a></li> <li>• <a href="#">Inspecting Your Septic System</a></li> <li>• <a href="#">Community Stream Stewardship Program</a></li> <li>• Outdoor Water Conservation – <a href="#">Peterborough Ecology Park</a>, <a href="#">Green Up Fact Sheet</a></li> </ul>	

## Indicators

- km of shoreline area protected and restored
- km<sup>2</sup> of wetland area protected and restored
- Number of waterfront property owners involved in water stewardship practices
- Concentration of phosphorus (PO<sub>4</sub>), nitrogen (NO<sub>3</sub>, NO<sub>2</sub>, NH<sub>4</sub>), chloride, pesticides, and metals in water
- *E. Coli* levels in water
- Number of boil water orders
- Number of wells in compliance
- Number of public water supplies in compliance
- Quality of wastewater effluent
- Number of blue flag beaches
- Annual and seasonal stream flow levels
- Awareness and compliance with septic system maintenance standards
- Number of public access points on lakes and rivers
- Annual water consumption (municipal water systems)