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COUNCIL DATE: **February 24, 2014**

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## REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **February 18, 2014**

FROM: **Manager, Sustainability**

FILE: **0512-02**

SUBJECT: **Sustainability Charter Update**

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## RECOMMENDATION

The City Manager's Office recommends that Council receive this report as information.

## INTENT

The purpose of this report is provide information about a pending update in 2014 of the City's Sustainability Charter.

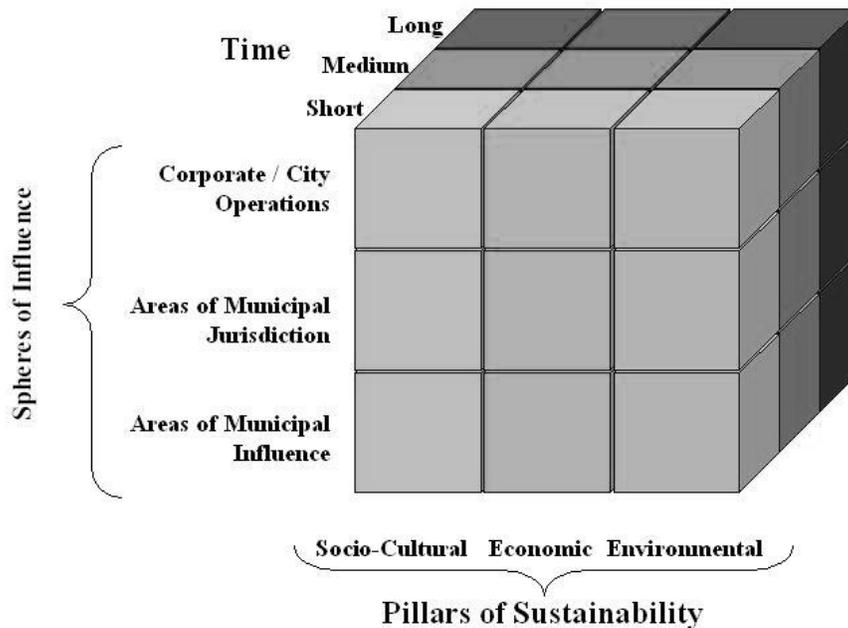
## POLICY CONSIDERATIONS

Approved by City Council in 2008, the Sustainability Charter is the overarching policy document for the City, providing a comprehensive lens to guide City initiatives, programs and plans. It is considered good practice to review and update the Sustainability Charter on approximately a five-year recurring basis as a means to keep it current and to reinforce the City's leadership in the area of sustainability.

The vision and goals of the Charter provide high-level guidance toward becoming a more sustainable City. It is anticipated through the Charter updating process that these fundamental aspects of the Charter will remain unchanged as will the Action Framework of the Charter, which is the backdrop to the current organization of the Charter document. As shown in the diagram below ("The City of Surrey's Sustainability Cube"), the Action Framework includes in one dimension the three pillars of sustainability (i.e., economic, environmental and socio-cultural), in the second dimension three time frames over which actions will be taken (i.e., short, medium and long-term) and in the third dimension the three spheres of influence related to the City's involvement in implementing the actions under the Charter (i.e., corporate operations, municipal jurisdiction, and municipal influence/advocacy).

The Sustainability Charter update will address the actions in the Scope of Sustainability section of the Charter (Part 3) by updating these actions to reflect completed projects, as well as new issues and sustainability priorities in Surrey.

## The City of Surrey's Sustainability Cube ©



### BACKGROUND

On September 29, 2008, Council received Corporate Report No. R175; 2008, titled “Surrey Sustainability Charter” and approved the Sustainability Charter as the overarching policy document for the City. The Charter defines sustainability as:

***“Meeting the needs of the present generation in terms of the socio-cultural systems, the economy and the environment, while promoting a high quality of life but without compromising the ability of future generations to meet their own needs”.***

Part 3 of the Charter, “The Scope of Sustainability”, identifies actions required to implement the sustainability Vision, Goals and Action Framework in the Charter. With respect to this section, the Charter notes that: *“The Scope of the Sustainability Charter will be maintained as a living document that summarizes specific actions the City intends to take to achieve sustainability. Council will amend the Scope of the Charter as proposed actions and priorities evolve over time”.*

In partnership with a broad spectrum of community stakeholders, the City has made considerable progress in each of the three pillars of sustainability over the past five years since the adoption of the Charter. On June 17, 2013, Council received Corporate Report No R 105;2013, titled “Sustainability Charter Progress Report for 2012”, which highlighted accomplishments to date in implementing the Vision, Goals and Objectives of the Charter. This report included a status report based on the Sustainability Dashboard, which showed progress on 79 sustainability indicators and targets as shown in Table 1 below:

**Table 1: Status of Sustainability Indicators and Targets**

<b>Pillar</b>	<b>Indicators on target</b>	<b>Indicators Stable</b>	<b>Indicators off target</b>	<b>No target</b>	<b>Insufficient Data</b>	<b>Total</b>
Economic	10	3	0	11	4	28
Environmental	3	3	0	6	3	15
Socio-Cultural	13	5	4	12	2	36
<b>TOTAL</b>	<b>26</b>	<b>11</b>	<b>4</b>	<b>29</b>	<b>9</b>	<b>79</b>

Key sustainability deliverables since the Charter’s approval include:

- the Corporate Emissions inventory (2009-current);
- the Corporate Emissions Action Plan (2010);
- sustainability indicators and targets based on the work of a community task force (2010);
- the online Sustainability Dashboard (2012); and
- the recently-approved Community Climate Action Strategy which includes a Climate Adaptation Strategy and the Community Energy and Emissions Plan (2013).

## **DISCUSSION**

It is proposed that a process to update the City’s Sustainability Charter be undertaken in 2014. In particular, the action items contained within the “Scope of Sustainability” section of the Charter will be updated to remove those that have been completed, and add new issues and sustainability priorities that have been identified since the Charter was first approved in 2008. Examples of the latter include food security, construction waste and deconstruction, and district energy – issues which have all risen in priority since 2008. A list of all the Sustainability Charter Actions and the status of their completion is attached to this report as Appendix “A”.

Updating the Charter will also provide an opportunity to refresh the branding of the document, as well as refine its organization. Further, because the themes of the Sustainability Dashboard have proven to be more intuitive and easier to navigate, consideration will be given to aligning the Charter’s organization with the themes from the Dashboard (e.g. Food and Farming, Education and Learning).

The Sustainability Charter was developed in collaboration with residents, businesses, other community stakeholders, Council and staff from across all Departments. The Charter update will include significant input from the community, Council and staff as well as City Advisory Committees such as the Environmental Sustainability Advisory Committee and Agriculture & Food Security Advisory Committee. The process provides an excellent opportunity to engage with the community and City staff on sustainability issues that they would like to see addressed. Staff has prepared project terms of reference, which are attached as Appendix “B”.

It is expected that the process to update the Charter will take approximately one year to complete, with the updated Charter document being forwarded to Council for consideration of approval early in 2015. The updating process will be managed by the Sustainability Manager under the guidance of a Steering Committee made up of senior staff from across City Departments.

## **SUSTAINABILITY CONSIDERATIONS**

The Sustainability Charter should be updated from time to time to ensure that the Charter remains current in relation to evolving information so that it is an effective base upon which to build other City plans and policies and to ensure that the City remains a leader in the area of sustainability.

## **CONCLUSION**

The Sustainability Charter is the overarching policy document for the City, providing a comprehensive lens to guide all City initiatives, programs and plans. A process to update the Charter will be undertaken over the next year so as to ensure that the City maintains in leadership position in the area of sustainability. The Terms of Reference for that process is documented in Appendix "B".



Anna Mathewson  
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### Attachments:

Appendix "A": Status of Actions Identified in the Surrey Sustainability Charter

Appendix "B": Sustainability Charter Update –Terms of Reference

Sphere	Indicator	Charter Action	Immediate Action (As identified in Appendix 1 of Charter)	Status at end of 2013
<b>ALL PILLARS</b>				
General	G1	<b>Establish a Sustainability Office</b> The City will establish a Sustainability Office to act as a catalyst for sustainability throughout the corporation, and work with City staff to maintain a strong focus on sustainability within the City.	Establish a Sustainability Office. City Council has approved a budget for the establishment of a Sustainability Office, which will oversee the implementation of the Charter. Staff from all City departments will provide support to the Sustainability Manager, who will act as a catalyst for sustainability throughout the corporation, and maintain a strong focus on sustainability within the City.	<b>Completed.</b> A Sustainability Manager was hired in 2009, and a Sustainability Coordinator position was created in 2011.
General	G2	<b>Establish a Sustainability Indicators Task Force</b> The City's ability to achieve its vision of Sustainability requires the setting of targets, and the establishment of "indicators" with current "baseline" values to monitor progress towards meeting these goals.  The City will develop targets and indicators that are: 1. Clearly related to the Vision, Goals and Scope items; 2. Measurable and easily understood; 3. Comprised of data that is readily available and will remain available over time; 4. Able to measure current performance against past performance; and 5. Achievable within a reasonable time frame with available resources.	Establish a Sustainability Indicators Task Force. A Task Force (will be set up to define key indicators and targets to achieve the Charter's goals, to establish baseline values for these indicators and to define a monitoring program for the Charter's implementation Strategy.	<b>Completed.</b> The sustainability indicators and targets recommended by the Task Force were approved by Council in 2010. The Sustainability Dashboard was developed to make Surrey's progress publically accessible, and was launched in 2012.
<b>SOCIAL</b>				
Corporate	SC1	<b>Personnel Policies and Staff Training</b> The City will continue to promote staff development and corporate structures that support the physical and emotional health and well-being of individuals and contribute to a healthy and productive work environment.		<b>Ongoing.</b> The City continues to run a wellness program, which includes fitness classes at City Hall and over two dozen wellness events, such as non-smoking week, heart month mini fair, blood donor clinic, bike to work week, flu shot clinic, hearing clinic, employee wellness photo challenge, mental health awareness month, move for health day, and more.
Corporate	SC2	<b>Cultural Awareness in the Workplace</b> The City will celebrate the cultural diversity of Surrey's workforce, and work to educate all staff of the backgrounds and needs of diverse cultural groups.	Enhance Cultural Awareness in the Workplace. The City will continue to enhance the program of cultural awareness events, including the celebration of key multi-cultural holidays and festivals.	<b>Ongoing.</b> Celebrations are held for a number of cultural and community events including Black History Month, Easter and Vaisahki. Community and Recreation Services (CRS) and HR lead internal cultural awareness events.
Corporate	SC3	<b>Sustainable Procurement Policies</b> The City will give priority to purchasing products and services from social enterprises or suppliers who blend business and social and environmentally sustainable values, provided that these products and services are also fiscally responsible.		<b>Initiated.</b> Sustainable procurement initiatives are in early stages. Surrey has been a participant in the Municipal Collaborative for Sustainable Purchasing since 2011, to share best practices among Canadian cities.
Municipal Jurisdiction	SC4	<b>Cultural Awareness in the Community</b> <i>Cultural</i> activities are recognized as an important way for individuals to contribute to their communities. Culture is an essential tool in understanding the values, shared meanings and goals of residents within a community. Wide inclusive participation in cultural activities contributes to community vitality and supports sustainability. The City of Surrey's past achievements in cultural planning, service delivery and promoting cultural awareness enabled Surrey to be recognized as a 2008 Cultural Capital of Canada.	Enhance Cultural Awareness in the Community. Surrey's first Fusion Festival was a recent example of the City's role in celebrating our cultural diversity. Under the auspices of the "Cultural Capital of Canada" program, the "Catalysts, Connections and Intersections" will support six public art projects that explore Surrey's natural and built heritage, cultural diversity and First Nations history.	<b>Ongoing.</b> Cultural awareness continues to be a strong feature of City events and programs, including Fusion Festival. CRS and HR lead City-wide cultural awareness events. The City completed a Cultural Plan in 2012 to enhance urbanization through art and heritage. A public art plan was also developed to outline directions for 2012-2016.
Municipal Jurisdiction	SC5	<b>Plan for the Social Well Being of Surrey Residents</b> The City will continue to implement the recommendations of the Plan for the Social Well-Being of Surrey Residents and the five priority social issues that contribute to social sustainability for which the City has primary responsibility.	Improve the Social Well Being of Surrey Residents. Surrey is working with the Surrey School District on an expanded StrongStart Program, Community Kitchens and the Healthiest Babies Possible Program.  The Community School Partnership Program with School District 36 is now in a total of 17 schools (15 elementary and 2 high schools), which are being used as neighbourhood hubs, where services and programs will be more accessible and responsive to the unique needs of each neighbourhood.	<b>Ongoing.</b> Underway since 2006, through Planning & Development, CRS, and Surrey Libraries. PRC and Surrey Libraries have introduced a range of new services and programs that respond to Social Plan recommendations related to children and youth and programming for diverse ethno-cultural communities. Plans and strategies have been developed that build upon the recommendations in the Social Plan. These include: Learning for Life Strategy (2008); Child and Youth Friendly City Strategy (2010); Poverty Reduction Strategy (2012); and the Master Plan for Housing the Homeless in Surrey (2013).
Municipal Jurisdiction	SC6	<b>Accessible and Appropriately Located Services within the City</b> The City will support the equitable distribution of services and amenities for Surrey residents.	Raise Awareness of Accessible and Appropriately Located Services within the City. A Community Resources map, describing and identifying the location of local social services is being launched on the City's web site.	<b>Ongoing.</b> Interactive community resource maps have been completed and are on the social planning webpages of the City's website. An interactive map and print brochure showing free and low cost services and programs were completed in 2013.

Sphere	Indicator		Charter Action	Immediate Action (As identified in Appendix 1 of Charter)	Status at end of 2013
Municipal Jurisdiction	SC7	Participation in Leisure Programs	The City will continue to remove barriers and increase accessibility to participation in its many leisure programs	Expand Participation in Leisure Programs. The City is increasing the number of free and low cost offerings of leisure programs under the "Everyone Gets to Play" initiative, and is expanding the youth and children Leisure Access Program in inner city schools.	Ongoing. The Parks, Recreation and Culture Department completed and implemented an update to its Leisure Access Program to ensure that all Surrey Residents have reasonable access to recreation. The update focused on providing Children, Youth and Seniors with ongoing access to the Program. The department will continue to review the Leisure Access Program to ensure all residents are provided with a barrier-free access to recreation opportunities.
Municipal Jurisdiction	SC8	Municipal Outreach, Public Education and Awareness	The City will promote education and awareness to develop a community that is engaged in the achievement of its sustainability goals.		Ongoing. The Sustainability Office and various departments within the City promote education and awareness of sustainability through the website and social media, participation in key events, and partnerships and programs that further awareness efforts.
Municipal Jurisdiction	SC9	Adequate, Appropriate and Affordable Housing	<p>The City will develop and maintain a Housing Action Plan, which will set appropriate housing targets for the full range of housing needs for different household types, incomes and diverse needs and identify strategies and mechanisms for the implementation of the Plan.</p> <p>The City will continue to support the Surrey Homelessness and Housing Society by providing advice and feedback on housing needs in Surrey and by contributing to the growth of the Affordable Housing Reserve Fund and the provision of affordable housing units through mechanisms such as the use of density bonusing.</p>	Increase the Supply of Adequate, Appropriate and Affordable Housing. A Housing Action Plan is currently being prepared, which will set appropriate housing targets for the full range of housing needs for different household types, incomes and needs and identify strategies and mechanisms for the implementation of the Plan.	<p>Completed and Ongoing. A Master Plan for Housing the Homeless in Surrey was completed in 2013.</p> <p>To date, the Surrey Homelessness and Housing Society has contributed over \$2 million in grants to capital projects and programs.</p> <p>The City of Surrey signed an MOU with BC Housing in 2008 toward the development of supportive housing for people who are homeless or at risk. To date, three new supportive housing projects, have been completed.</p>
Municipal Jurisdiction	SC10	Historical and Heritage Assets	The City will actively document and protect Surrey's natural, built, social and heritage assets, including those assets of significance to the First Nations and later settlers, which provide a sense of place and belonging. This includes the preservation of significant assets, promoting and educating the public about our history and protecting our physical environment.		Ongoing. The "Heritage Strategic Review" was approved in 2010 and provided direction for Surrey's heritage program. The City continues to document Surrey's natural and built heritage assets through neighbourhood heritage studies, the development of documentation standards, and a maintained GIS data registry. Heritage assets are preserved through Heritage Revitalization Agreements and heritage protection measures, and public outreach is achieved through the City website and participation in key events.
Municipal Jurisdiction	SC11	Public Safety and Security	The City will utilize the Surrey Crime Reduction Strategy and the Plan for the Social Well-Being of Surrey Residents as the foundation for addressing crime and public safety issues.	Improve Public Safety and Security. The City is continuing to implement recommendations of the Surrey Crime Reduction Strategy.	<p>Ongoing. Crime reduction site is operational; assessment tool for at-risk youth has been developed and applied to deter involvement in gangs; and paint voucher scheme is in place.</p> <p>The Crime Reduction Strategy's comprehensive annual reports continues to be well received and serves to provide a review and update on the recommendations of the Crime Reduction Strategy as well as recognition to the numerous supporting partners. The annual reports can be found on the City of Surrey website.</p>
Municipal Jurisdiction	SC12	Adapting to Demographic Change	<p>The City will design town centres and neighbourhoods to accommodate a wide range of households throughout their life cycle, including a rapidly changing multi-cultural community, families with children and seniors. This includes neighbourhoods that are child and youth friendly as well as safe, accessible and welcoming to seniors and new Canadians.</p> <p>In this regard, the City will prepare for demographic changes, such as the aging of the baby boom generation and a changing cultural makeup, and adapt to the changing needs of these groups by:</p> <ol style="list-style-type: none"> <li>1. Promoting Universal Design and Adaptable Design;</li> <li>2. Promoting Transit Oriented Development (TOD); and</li> <li>3. Encouraging and facilitating volunteerism and participation in community activities</li> </ol>		<p>Ongoing. The City continues to implement the priorities and recommendations of the Child and Youth Friendly City Strategy (adopted in 2010).</p> <p>In 2013-2014, the City is the lead agency for Surrey's Welcoming Communities Program. A Surrey Welcoming Communities Committee was established to guide the development and implementation of an Action Plan to make Surrey more welcoming and inclusive of new immigrants and refugees.</p> <p>A Senior's Strategy is currently under development.</p>
Municipal Jurisdiction	SC13	Create a Fully Accessible City	The City will work towards providing access to all, including those with special needs	Create a Fully Accessible City. The City, in partnership with the Surrey Association for Community Living, is using grant funding under the "Measuring Up" initiative and the 10 by 10 Challenge program to address community accessibility and inclusion.	Ongoing. Accessibility continues to be enhanced through policy, capital projects, and public engagement. Policy in the OCP includes access considerations for universal design, urban design, cultural and physical inclusion, and support mechanisms for key segments of the community, such as Seniors. Nineteen different sidewalk projects were completed in 2013 prioritizing the "missing links", particularly on routes to schools and transit stops. Tactile sidewalk treatments for the visually impaired were installed at two locations on King George Boulevard. The City includes Access Awareness Day as part of its diversity celebrations at City Hall.

Sphere	Indicator	Charter Action	Immediate Action (As identified in Appendix 1 of Charter)	Status at end of 2013
Municipal Jurisdiction	SC14	<p><b>Support Food Security</b></p> <p>Food is essential not only to maintain life, but to support healthy and productive residents. Food security is ensuring that that sufficient healthy food is accessible locally at a reasonable cost and that there is a secure supply of food for the future that is produced by sustainable practices</p>	<p>Support Food Security. To support food security, the City will:</p> <ol style="list-style-type: none"> <li>1. Develop policy and research ways to support local food production;</li> <li>2. Promote buying local farm products, urban agriculture and new methods for efficient food production;</li> <li>3. Implement healthy eating and food and beverage practices at City facilities; and</li> <li>4. Support the distribution of food to those who need it.</li> </ol> <p>The Harvest Box program provides access to healthy, low cost, local produce, through the City's Parks, Recreation and Culture facilities.</p>	<p><b>Ongoing.</b> The City supports food security through a number of initiatives, including the Harvest Box program to provide local produce to low-income residents through CoS Recreation Centres, resource maps that identify where residents can access free and low-cost foods, the CRS healthy eating guidelines for healthy food choices at events and in vending machines, support for organizations working to establish new farmers markets in the City, a more streamlined process for starting new community gardens on City land, a policy review of by-laws and regulations to ensure community gardens and rooftop agriculture are permissible in appropriate designations, and partnerships with community organizations working towards food security objectives</p>
Municipal Jurisdiction	SC15	<p><b>Literacy, Education and Training</b></p> <p>The education system develops Surrey's future citizens. Literacy and education are important for creating informed, engaged and meaningfully employed citizens. Given the forecasted increase in population in the South Fraser region, due in large part to immigration, and the percentage of Surrey's population that has not completed high school education, the City acknowledges the critical importance of education and training opportunities for Surrey's citizens</p>	<p>Promote Literacy, Education and Training. The Mayor's Task Force on Literacy and Early Childhood is focused on enhancing literacy skills and lifelong learning in Surrey. The Surrey Public Library is expanding programs that build community capacity in the area of early literacy with programs to teach parents to build pre-reading skills with preschoolers and programs to provide skills and resource kits to daycare providers to improve the story time experience for children in daycare.</p> <p>The City will also expand programs and opportunities that support early literacy through continued collaborative partnerships, including the First Steps project and Community Care Licensing of CRS preschool programs.</p> <p>The City will deliver programs that improve literacy and skills for its citizens of all ages.</p>	<p><b>Ongoing.</b> The 2013- 2015 Surrey Libraries Strategic Plan aligns the libraries' outcomes more closely to the City; expanding opportunities for social engagement, strengthening literacy supports, and providing equitable access to learning. The library improves literacy levels for all ages through programs such as storytimes, adult and after-school tutoring, English conversation circles, technology training and more. Job search training helps integrate newcomers and refugees. Barriers to services have been reduced to expand access to learning. In 2013, over 135,000 children participated in library literacy programs. Digital literacy was also improved through the introduction of iPads in the Newton Library.</p>
Influencing Others	SC16	<p><b>Socio-cultural Infrastructure and Services</b></p> <p>Social infrastructure and services are the primary responsibility of the federal and provincial orders of government. The impacts of failures in the system are, however, often most visible at the local level. The City's Plan for the Social Well Being of Surrey Residents and the Crime Reduction Strategy form the basis for addressing this scope item. The Plan for the Social Well-Being of Surrey Residents identifies the three primary roles that the City can plan in facilitating solutions to social issues for which the City has limited, secondary or no direct mandate or legislative authority, in the areas of housing.</p>		<p><b>Ongoing.</b> The Crime Reduction Strategy continues to work with all levels of government and community partners to facilitate solutions around social issues for which the City has limited, secondary or no direct mandate.</p> <p>The City of Surrey is represented on local, regional and provincial Committees that focus on social issues such as poverty, homelessness and new immigrants/refugees.</p>
Influencing Others	SC17	<p><b>Crime Reduction Strategies</b></p> <p>While the legal system is managed by the federal and provincial governments, the impacts of crime are often most visible at the local level. The City's Crime Reduction Strategy will form the basis for addressing this scope item.</p>		<p><b>Completed.</b> The Crime Reduction Strategy was completed in 2006 and is a unique problem solving approach designed to address the root causes of crime. It is designed to facilitate partnerships with multiple agencies and government to address the impacts of crime at the local level.</p>
Influencing Others	SC18	<p><b>Community Economic Development</b></p> <p>Community Economic Development (CED) is the process by which local people build organizations and partnerships that interconnect business with other interests and values, for example, skills and education, health, housing, and the environment.</p>		<p><b>Ongoing.</b> The City continues to support local organizations including the Board of Trade, Chambers of Commerce, and Business Improvement Associations. Newton Business Improvement Association sponsoring committee has received a grant from the City to assess feasibility and initiate the BIA formation process. The City has facilitated the development of Innovation Boulevard, a network of health institutions universities, and companies that are collaborating to improve health outcomes and spur growth in health care services and technology. Council has also increased focus on sport tourism, striking a Council committee, and establishing a strategic alliance with Surrey Tourism to promote sport tourism.</p>
Influencing Others	SC19	<p><b>Equity in Social Infrastructure Investments</b></p> <p>The South Fraser region, and Surrey in particular, is now the location of greatest growth in the Lower Mainland and this trend is anticipated to extend long into the future. In spite of this growth, the bulk of the investments by senior levels of governments in social infrastructure has been made in older, slower growing parts of the region. To promote equity, the City will work cooperatively senior levels of government to focus a significant proportion of future social infrastructure investments into Surrey, as the region's second major urban centre.</p>		<p><b>Ongoing.</b> The City continues to work with senior levels of governments to ensure that Surrey receives an equitable share of investment in health, education, housing and social services to accommodate current and future population growth.</p> <p>The Build Surrey Program outlines the capital projects that will be invested in Surrey between 2010 and 2016. Already well underway, the program enhances the facilities and services available to residents in all Town Centres, and positions the City for continued growth in the decades to come.</p>

Sphere	Indicator	Charter Action	Immediate Action (As identified in Appendix 1 of Charter)	Status at end of 2013
Influencing Others	SC20	<b>Coordination with Local Educators on Sustainability</b>	Partnering with educational organizations is essential for engaging the community and educating youth on Surrey's sustainability issues. The City will work with and provide information and professional outreach to organizations such as School District 36, career and trades training centres and post-secondary institutions to promote opportunities for students to contribute to the City's sustainability initiatives.	<b>Ongoing.</b> The City regularly engages with youth and local educators on Sustainability initiatives, including the School Travel Planning Program, the Community Energy and Emissions Plan development, participation in events such as Earth Hour, and curriculum-based research opportunities. The Surrey Nature Centre offers regular professional development opportunities for elementary school teachers, and partners with Metro Vancouver to host the "Get Outdoors!" workshop to the Surrey Teachers Association conference each year.
<b>ECONOMIC</b>				
Corporate	EC1	<b>Corporate Economic Sustainability</b>	For the City to be in a position to promote and implement the Social and Environmental Pillars of Sustainability, the Economic Pillar must be addressed. Property taxes are the primary source of discretionary revenue for local governments.  The City requires sustainability initiatives to be affordable within the realm of the City's financial capability, i.e., the initiatives themselves must be sustainable over time.	<b>Ongoing.</b> The City operates in a fiscally responsible manner, and aims to integrate the social and environmental considerations into the financial bottom line. The City's annual Financial Plan is organized by the sustainability pillars for each department's accomplishments and future initiatives. The City ensures fiscal responsibility in its sustainability initiatives by leveraging grant or third party funding, entering into partnerships, initiating projects on a pilot basis, or undertaking projects that have a reasonable timeframe for the return on investment.
Corporate	EC2	<b>Economic Development Strategy and an Employment Land Strategy</b>	In the rapidly evolving economy that is increasingly focused on international trade, transportation and service and information based industries, it is important that the City create an attractive environment for investment in these sectors. This will create local job opportunities, reduce commuting distances, support a green economy and provide a sustainable expanding source of revenue from local businesses.	<b>Completed.</b> The Employment Land Strategy and Economic Development Strategy are completed and being implemented. An Economic Diversification Strategy was also developed to create opportunities in knowledge-based and high-growth sectors such as clean technology, health technology and advanced manufacturing.
Corporate	EC3	<b>Sustainable Infrastructure Maintenance and Replacement</b>	The City of Surrey has made significant investments in infrastructure such as civic buildings, roads, lighting, sanitary sewers, water mains and storm water management. Buildings and other municipal facilities, such as parking lots and playing fields, are major investments that have significant environmental impacts and play an important role in the social structure of the City. It is important that these City investments are sustainable over time.	<b>Initiated.</b> The Engineering Department has launched an Asset Management Initiative and have established an internal steering committee, the level of service for each asset type, and a risk assessment framework. Beginning in 2014, staff will begin to review opportunities to integrate an Asset Management Decision Support Software in an effort for staff to develop better informed replacement strategies. The Parks Division is also utilizing this Enterprise Asset Management software to manage Park infrastructure and biological assets. The software supports preventative maintenance and cyclical maintenance programs that are designed to optimize asset condition and prevent asset failure and premature replacement. The City has invested in excess of \$26 million in construction of artificial turf fields for community usage and has a program in place that reallocates surplus field rental revenues into replacement reserves for the future replacement of field surfaces.
Corporate	EC4	<b>Sustainable Fiscal Management Practices</b>	The City will work toward corporate financial sustainability by:  1. Employing sound accounting and financial management practices and structures; 2. Considering the life cycle investment in all facility decisions, including replacement costs, operating costs and maintenance costs; 3. Developing policies and practices to institutionalize "Triple Bottom Line" accounting principles in the decision-making process to ensure that, in addition to financial considerations, social and environmental costs and benefits are evaluated in the decision-making process; and 4. Include sustainability criteria/considerations in Corporate Reports.	<b>Ongoing.</b> A <i>Sustainability Considerations</i> section is included in all Corporate Reports, and the City's Financial Plan is organized by the sustainability pillars for each department's accomplishments and future initiatives. The City's new Financial Management System, Agresso, has statistical accounting functionality, which has allowed for the integration of energy and fuel use reporting. Commencing in February 2014, the City will be accepting invoices from trade vendors electronically via email (PDF) instead of traditional mail to reduce waste. Extensive energy retrofits have been undertaken in City facilities to reduce energy spending and GHG emissions.
Corporate	EC5	<b>"Green" Infrastructure and Sustainability Grants</b>	Grants and cost-sharing programs at the regional, provincial and federal level have proven to be highly effective tools in assisting municipalities in leveraging funding to implement sustainability measures. Examples include green infrastructure, community planning grants and support for alternative transportation modes, such as greenway and cycling networks.  The City will maximize the utilization of available funding to support the development of green infrastructure in the city.	<b>Ongoing.</b> The City has received millions of dollars in funding for diverse sustainability projects, including the development of the Community Energy and Emissions Plan, the creation of a new community garden and supportive programming, an electric vehicle pilot program and new EV charging infrastructure, tree planting, construction of an improved sanitary collection system and the Maple Drainage Pump Station, and environmental habitat enhancement and restoration projects.

Sphere	Indicator	Charter Action	Immediate Action (As identified in Appendix 1 of Charter)	Status at end of 2013
Municipal Jurisdiction	EC6	<b>Sustainable Practices through Business Licensing Operational Requirements</b>	The City will, where practical and feasible, establish business-licensing requirements that promote sustainability objectives while encouraging business development, including the consideration of performance-based standards for business licensing.	<b>Initiated.</b> Economic Development has created two inter-municipal business licensing pilot programs that allow trades contractors to purchase one business license in their home city and one additional license to do business in partner cities.
Municipal Jurisdiction	EC7	<b>Sustainable Building and Development Practices</b>	The City will institute sustainable development practices.	<b>Ongoing.</b> A Sustainable Development Checklist for major developments (over 2 acres or 20 units) was developed and launched for the Development Application phase in 2011. The next step will be developing a checklist for the Building Permit phase, and rolling out improvements recommended in the Community Energy and Emissions Plan (CEEP). A Green Building Information Centre (kiosk) has been set up at City Hall, with materials and brochures on sustainable building and design. Related information has also been posted on the sustainability website.
Municipal Jurisdiction	EC8	<b>Energy Security</b>	<p>There are increased concerns about significant increases in energy costs and the potential for supply disruptions that may have major economic and social impacts.</p> <p>The City will address these concerns and the associated economic and social impacts by planning for land use patterns, infrastructure, development and building practices.</p>	<p><b>Ongoing.</b> The City completed the Community Energy and Emissions Plan (CEEP) in 2013, outlining a roadmap for reducing energy use and energy spending in Surrey, including an affordable housing energy retrofit strategy, continued support for district energy, and the development of more sustainable (and affordable) transportation modes. The OCP update also identified energy security as a critical challenge and includes sections that address the issue specifically. Development Permit Guidelines have been adjusted to include energy considerations (e.g. passive design, etc.). Surrey is currently developing several district energy (DE) systems in City Centre; a geexchange system has recently been completed that will service the new City Hall and City Centre Library, and beginning in 2014, construction of DE infrastructure will commence in various area of the City Centre in preparation of servicing Surrey City Energy's first private customers in 2015. In 2013, the City approved in principle a draft Energy Efficiency Density Bonus Policy to be piloted in West Clayton.</p>
Municipal Jurisdiction	EC9	<b>Quality of Design in New Development and Redevelopment</b>	<p>Planning for communities that are developed at higher densities and in mixed uses demand a higher quality of design that promotes exemplary building design, attractive streetscapes, view protection and inviting public spaces. Design quality is fundamental to achieving sustainable communities, particularly in the City Centre, town centres and in higher density, mixed use nodes and corridors.</p> <p>The City will promote innovation and will require sustainable design in building and community design, including the promotion of mixed-use development.</p>	<p><b>Ongoing.</b> Development Permit (DP) Guidelines for the entire City have been revamped with a focus on supporting high quality design that is appropriate to neighbourhoods. In addition, a new section in the OCP deals specifically with good quality urban design, and all Town Centre Plans are being reviewed and updated. New DP Guidelines that address Hazard Lands (steep slopes and flooding) have been created, and a placeholder for new Sensitive Ecosystem DP Guidelines has been included in the OCP update.</p>
Municipal Jurisdiction	EC10	<b>Green Technology Development and Businesses</b>	<p>There is an increasingly significant role for low-impact industries in the economy, particularly those developing sustainable technologies while creating local jobs that produce high economic benefit with low social and environmental impacts.</p> <p>The City will promote "Green" businesses.</p>	<p><b>Ongoing.</b> The City of Surrey, Simon Fraser University, and Powertech Labs have co-funded the Executive Industrial Research Chair in Energy Systems for Smart Cities. The Research Chair position and related programs are expected to result in product commercialization opportunities.</p>

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Municipal Jurisdiction	EC11	Surrey's Employment Land Base	<p>The City has policies in place to preserve the integrity of a productive agricultural land base. However there is pressure on this land base from external sources for conversion of these lands to "higher values" uses. The City has policies in place to preserve the integrity of its industrial land base. However there is pressure from external sources to convert these lands to "higher values" uses. In the context of the Employment Lands Strategy, that the City work with the region and the province to:</p> <ol style="list-style-type: none"> <li>1. Establish a secure but equitable distribution of employment lands to promote a healthy local and regional economy; and</li> <li>2. Ensure that there are ample quality jobs available locally and that the benefits and impacts of economic development are shared throughout the region.</li> </ol>		<p><b>Ongoing.</b> Considerable policy has been integrated into the OCP to support employment lands and an increased job to resident ratio, including the protection of existing industrial land stock, the maintenance of infrastructure to support industrial land (e.g. ports and railway uses), the protection of agricultural land, and support for secondary industries that farmers rely on (e.g. food processing). A Development Permit Area was created requiring buffers between agricultural land and urban-type development to ensure farming operations are not negatively impacted by adjacent development. A long standing policy requires a 2 to 1 replacement of land for any portion removed from the ALR. The City endorsed an Agriculture Protection and Enhancement Strategy in 2013.</p>
Municipal Jurisdiction	EC12	Surrey's Agricultural Land Base	<p>The City has policies in place to preserve the integrity of a productive agricultural land base. However there is pressure on this land base from external sources for conversion of these lands to "higher values" uses.</p>	<p>Enhance and Promote Surrey's Agricultural Land Base. Events such as farmers markets, annual farm tours and the "Flavours of Surrey" food festival will increase awareness of Surrey's agricultural base and encourage residents to "buy local".</p> <p>The Nature Matters Program promotes the importance of local agriculture to the community through educational campaigns, such as road signage, brochure development and participation in community events.</p>	<p><b>Ongoing.</b> In 2013, the City endorsed an Agriculture Protection and Enhancement Strategy that determines priorities for agricultural development in Surrey. DPA guidelines were adjusted to provide clear and specific setback and buffer requirements for development adjacent to the ALR. Flavours of Surrey is integrated into the City's annual Fusion Festival, providing awareness of our agricultural land base and opportunities to buy local produce in Surrey. Our Farmers Market has a consistent presence in City Centre throughout the summer and fall, and Staff are working with individuals who are trying to establish a second market through the BC Association of Farmers Markets in South Surrey.</p>
Influencing Others	EC13	Municipal Finance Reform	<p>Municipalities are limited in their revenue capacity and depend largely on property taxes and utility fees to finance all municipal operations. This limits the City's ability to apply financial incentives to promote sustainability goals. With the financial pressures faced by municipalities, from an assessment perspective, there have been times when municipalities have been pressured to make land use decisions from the perspective of revenue stream considerations, as opposed to planning principles that would promote a sustainable future.</p> <p>The City will seek, through the federal and provincial governments, creative reform of municipal finances such that revenue streams available to local government are expanded or replaced by sources that are more directly linked to growth in the economy (i.e., sales tax, income tax, etc.) to promote sustainability and to create a level playing field among municipalities.</p>		<p><b>Initiated.</b> Council has directed staff to establish a Property Tax Review Task Force for 2014.</p>
Influencing Others	EC14	Taxation Policies and Financial Incentives	<p>Federal and provincial governments have considerable resources that can be applied to promote sustainability. The City will promote more sustainable economic development by encouraging other orders of government to:</p> <ol style="list-style-type: none"> <li>1. Adopt Tax Shifting principles, e.g., taxing "bads" (e.g., non-renewable resources and waste products) not "goods" (e.g. employment and services);</li> <li>2. Introduce effective carbon taxes in a revenue neutral manner;</li> <li>3. Offer energy efficient building rebates and educational programs;</li> <li>4. Provide green building technology assistance and financial incentives;</li> <li>5. Create fuel-efficient vehicle standards and low-impact vehicle rebates;</li> <li>6. Increase taxation of agriculturally designated land that is not in active production; and</li> <li>7. Modify capital gains taxation policies and other mechanisms to provide incentives for the redevelopment and intensification of underutilized existing urban properties.</li> </ol>		<p><b>Ongoing.</b> The Province has provided a number of funding and incentive programs that the City has engaged with or helped leverage in support of sustainability, including a \$2.74 Million investment in electric vehicle charging stations and public rebates for EVs and personal charging stations through the LiveSmart BC Program, the Province's On-Bill Financing for energy efficiency programs that are currently being piloted in BC communities, and that the City has had periodic input into, the Province's Energy Efficiency Rebate Program which will be further promoted through the implementation of the City's CEEP, and the Province's Small Business and Energy Advisor Program which Surrey is promoting in partnership with Metro Vancouver.</p>

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Influencing Others	EC15	<b>Building/Energy Codes and Standards</b>  To promote sustainable buildings, the City will build on existing programs, codes and standards to:  1. Support the province's initiatives to incorporate proven and cost-effective best practices in sustainability into a new provincial building code and energy codes; and 2. Support the province and the development and construction by providing education on these new codes and facilitating easy implementation.		<b>Initiated.</b> The new Community Energy and Emissions Plan contains a number of actions to improve energy efficiency and reduce GHGs in buildings; strategies include awareness and training with respect to the new BC Building Code coming into effect in 2013 and 2014.
Influencing Others	EC16	<b>Increased Transit and Transportation to Support a Sustainable Economy</b>  In addition to promoting an efficient road network for the movement of goods, the City will continue to work with the province and TransLink	Increase Transit and Transportation to Support a Sustainable Economy. The City is completing an updated Transportation Strategy that supports higher density and mixed land uses, and supports significantly higher modal shares for walking, cycling and transit in an effort to reduce congestion, greenhouse gases and energy usage while creating a street network that supports efficient goods movement.	<b>Ongoing.</b> The Transportation Strategy was completed in 2008, and the development of a Walking Plan in 2011 and Cycling Plan in 2012 has provided direction for continued investment in active transportation modes. Other initiatives include a new bike map published in 2011, continuation of the Safe and Active Schools program to enhance safety for students who walk or bike to school, a review of the road classification system with the identification of missing links, a move towards a complete grid network in new developments and where retrofits allow, and an ongoing advocacy role for better public transit service and the development of light rail transit (LRT) on three major transportation corridors.
Influencing Others	EC17	<b>Educating the Workforce</b>  Essential to the health and growth of the local economy is the development of a skilled work force. The City will promote local career training opportunities.	Educate Surrey's Workforce. The City of Surrey has entered into a Memorandum of Understanding with SFU Surrey with the intent of partnering toward facilitating the construction of new facilities to accommodate a growing student population.	<b>Ongoing.</b> City staff collaborate with SFU Surrey and Kwantlen Polytechnic University on the planning of future facilities, and MOUs between both institutions and the City were recently signed. The City co-funded an Executive Industrial Research Chair in Energy Systems for Smart Cities with Simon Fraser University and Powertech Labs, and the City assisted with the development of a Kwantlen program by facilitating connections with the local manufacturing sector.
<b>ENVIRONMENTAL</b>				
Corporate	EN1	<b>Energy Efficiency</b>  The City operates a wide range of facilities and consumes large quantities of energy in its operations. The City can take steps in its own operations to reduce energy consumption and also to reduce its production on Greenhouse gases.  The City will take steps to achieve energy efficiency and demonstrate community sustainability leadership by developing programs and undertaking staff training .		<b>Ongoing.</b> The City continues to implement the Corporate Emissions Action Plan (CEAP), adopted in 2010. Building retrofits to improve efficiency are undertaken regularly, and the City builds high standard (often LEED certified) new buildings. The green fleet continues to expand and will have 5 electric vehicles in the pool in 2014. Given the rapidly growing population, the City has expanded its services, including the construction of new facilities and has seen total corporate energy use increase by 5% over the baseline. However, corporate energy use per capita has decreased by 10%.
Corporate	EN2	<b>Waste Reduction</b>  The City will minimize consumption and waste generation and promote zero waste by:  1. Minimizing resource consumption; 2. Maximizing recycling and reuse; 3. Reducing its output of solid and liquid waste; 4. Innovating and expanding the City's waste and recycling programs; 5. Using extensive composting as a waste management tool; and 6. Introducing waste to energy conversion opportunities where practical.		<b>Ongoing.</b> The Rethink Waste Program was rolled out in the community in 2012, including a new kitchen scraps curbside collection program and efforts to promote waste minimization. Corporately, organics bins were distributed to key City facilities in 2013 with an accompanying education program. The City has seen a 10% drop in garbage tonnage generated at City Hall in 2013.

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Corporate	EN3	<p><b>Vehicle Fleet Programs</b></p> <p>Transportation is responsible for about one-third of the Greenhouse Gas emissions in the Lower Mainland and is one of the primary users of energy in corporate operations.</p> <p>The City will take steps to minimize the impacts of transportation on the environment.</p>	<p>Introduce a Green Vehicle Fleet Program. The City is developing a fleet management plan to "right size" vehicles, reduce fuel consumption and reduce green house gas emissions.</p>	<p><b>Completed.</b> Surrey earned an E3 Fleet Gold Rating through the Fraser Basin Council's GreenFleets BC program in 2011, and continues to evolve its Green Vehicle Fleet Program. They City has installed five EV charging stations at the new City Hall, and is expanding the number of electric fleet vehicles to five with the support of the Green Municipal Fund. The full fleet of Compressed Natural Gas waste collection trucks was rolled out in 2012. The City entered a partnership with Modo Car Coop to provide vehicles for City staff to use for work related purposes, and to manage an online booking system for all pool vehicles, including the City's new fleet of electric vehicles. The City continues to partner with SFU's School of Mechatronics to refine a lifecycle assessment tool to compare the economic and environmental costs and benefits of conventional and alternative fuel vehicles.</p>
Corporate	EN4	<p><b>Employee Trip Reduction Program</b></p> <p>The City can assist its employees in making sustainable transportation choices</p>	<p>Implement Employee Trip Reduction Measures. A Sustainable Meeting Policy has been developed with a view to ensuring that City meetings are held, whenever possible, at locations that are central, close to the majority of participants, and pedestrian, bicycle and transit-oriented.</p>	<p><b>Ongoing.</b> Significant effort has been focused on helping staff choose sustainable transportation modes to get to work with the move to new City Hall, including: personalized commute planning for employees; preferred carpool parking; end-of-trip facilities and indoor bike parking for cyclists, lockers, change rooms and showers; a corporate carsharing program in partnership with Modo Car Co-op; transit rebates on monthly passes; and the introduction of pay parking at New City Hall. The Buildings' division mobile inspector program has helped building inspectors do more work from the road, supported efficient trip planning and aims to reduce the number and length of trips made.</p>
Corporate	EN5	<p><b>Green Procurement Policies and Practices</b></p> <p>Local governments are major buyers of goods and services. The purchasing habits of governments can set the tone for local businesses and residents, and can create the "critical mass" of customers required to introduce green products economically into a community.</p>		<p><b>Initiated.</b> Sustainable procurement initiatives are in early stages. Surrey has been a participant in the Municipal Collaborative for Sustainable Purchasing since 2011, to share best practices among Canadian cities. Opportunities to integrate environmental considerations into purchasing decisions have been pursued, including utilizing green cleaning products in janitorial contracts, purchasing alternative fuel vehicles for the City's fleet, procuring an electric ice resurfacing machine, and including a clause that requires the contractor recycle old artificial turf at the time of replacement.</p>
Corporate	EN6	<p><b>Enhancement and Expansion of the Nature Matters Program</b></p> <p>The City of Surrey will continue to provide community education and awareness of Surrey's natural environment to City staff and the public. This will include enhancement of stewardship and youth action opportunities for the community through volunteerism. Expansion of the program will include integration of broader regional initiatives such as water conservation, air quality and waste management.</p>	<p>Enhance and Expand the Nature Matters Program. Community education and awareness of Surrey's natural environment is a focus for the City. Actions include stewardship and youth action opportunities for the community through volunteerism. Expansion of the program will include integration of broader regional initiatives such as water conservation, air quality and waste management.</p> <p>The City is also working with the School District in assisting to develop lesson plans for teachers, teacher workshops, class fieldtrips and other activities and the creation of a host of school-based programs within the newly re-developed Nature Centre at Green Timbers.</p> <p>The City is implementing the 'Operation Save H2O' program that provides residents with water conservation tools through direct community interaction and household visits.</p>	<p><b>Ongoing.</b> The City continues to run and enhance its environmental programming, including the Coho Crew volunteer program, the Salmon Habitat Restoration Program (SHaRP), the Salmon Tracks storm drain marking program, Operation Save H2O, and the Surrey Nature Centre programs, which include school field trips and week-long daycamps. New programs have been recently developed, including the Trout Troop activity program for children, citizen science and streamkeeper programs, the Tree Team volunteer program that educates residents about the importance of shade trees and our urban forest, and Project Green Suites, an engagement program on energy, water and waste reduction opportunities for residents in multi-family residential buildings (MURBs). Surrey's Natural Area Partnership (SNAP) continues to carry out habitat restoration, community outreach, and environmental stewardship through the Eco-Ranger program. The Surrey Youth Stewardship Squad, Friends of the Forest, and Releaf programs are volunteer programs that are active in the stewardship of natural areas in Surrey's parks. The City also partners with non-profit environmental groups such as Friends of Semiahmoo Bay and Sunnyside Acres Heritage Society to carry out stewardship of natural areas in parks.</p>
Corporate	EN7	<p><b>Implement and Publicize Green Infrastructure Pilot Projects</b></p> <p>After an assessment to determine feasibility and potential benefits, the City will construct and implement green infrastructure pilot projects annually, to test and monitor new green technology and practices, and publish information and lessons learned on these projects. An example of such a pilot project is a parking lot designed with porous pavement. Rain water will run through the pavement, and water that is not infiltrated into the existing soil is collected in a gravel drain along the edge of the lot and directed to the adjacent detention pond where the water is released slowly to the natural watercourse to maintain base flows and to eliminate damage to the watercourse by storm surges.</p>	<p>Implement and Publicize Green Infrastructure Pilot Projects. As part of its on-going practice of constructing green infrastructure pilot projects to test and monitor new green technology and practices, a "green" parking lot has been designed and constructed with porous pavement and is being monitored with a view to expanding this application.</p> <p>An interactive web site is being developed for use by the general public and teachers to assist in the process of educating others about green infrastructure.</p>	<p><b>Ongoing.</b> The City continues to test the effectiveness and capacity of green infrastructure technologies and approaches. The City frequently constructs, monitors and evaluates green infrastructure systems to better understand the effectiveness of different approaches. For example, Parks and Engineering constructed a permeable concrete parking lot at Blackie Spit that is being monitored. In 2013, the Engineering department hosted a workshop to empower planners, architects and landscape architects to use their creativity to improve individual sites and manage rainwater in a more natural way. The City is also working on new interpretive signage projects to promote green infrastructure projects, and to encourage reporting of water pollution incidents.</p>

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Municipal Jurisdiction	EN8	Sustainable Engineering Standards and Practices	<p>The City will take steps to minimize environmental impacts of development by re-creating the natural environment in drainage, landscaping, sewer and water projects. Demonstration projects can be implemented and monitored to refine best practices and the City can distribute lessons learned to the development industry and to other jurisdictions.</p>	<p>Apply Sustainable Engineering Standards and Practices. The City Centre Plan Update utility servicing study will investigate the feasibility of incorporating sustainability practices in water conservation, implementation of district heating systems, "green infrastructure" for reducing stormwater impacts, green roofs and the reduction of impervious surfaces.</p> <p>An Erosion and Sediment control bylaw has been initiated within Surrey. The bylaw is intended to ensure water quality and streams are not negatively impacted from sediment disturbances. The internal development information tools for builders, a local conference cosponsored with the International Erosion Control Association and working with the BC Home Builders Association is assisting in informing the industry.</p> <p>The City's Drainage Bylaw was recently adopted to include sustainable drainage practices in new designs and standards. These include the use of infiltration galleries, porous pavements and rainwater gardens as means to reducing the impact of a development's footprint.</p>	<p><b>Ongoing.</b> Green infrastructure and low impact development strategies continue to be an important approach for stormwater management across the City. Recent projects have included a suite of strategies, including swales, infiltration galleries, detention ponds, soil augmentation, porous pavement, rain gardens, wetlands, etc. The City frequently monitors and evaluates systems to better understand the effectiveness of different approaches. Some ISMP areas link biodiversity needs and drainage together to define corridors that serve and maximize multiple purposes. The successful development and implementation of district energy (DE) in Surrey's City Centre has included a number of milestones such as creating a new energy utility, a City Centre DE connection bylaw and related financial assistance policy. The bylaw mandates compatible hydronic systems throughout City Centre while also mandating connection to the City's DE system within a core service area. Staff will be expanding its outreach of the Volunteer Water Metering Program to encourage more residents to volunteer for a water meter.</p>
Municipal Jurisdiction	EN9	Sustainable Land Use Planning and Development Practices	<p>A fundamental responsibility of municipalities, and one of the most effective tools for achieving sustainability, is land use regulation and the control of land development practices. The location of the various types of land uses, transportation choices, density, and the mix of land uses, along with development practices, are key determinants in the ecological footprint of the City.</p> <p>The City will promote sustainable land use and development</p>	<p>Institutionalize Sustainable Land Use Planning and Development Practices. The City is developing a Sustainability Checklist, in consultation with the development industry, City committees and community stakeholders. New development projects will be measured in relation to the Checklist to determine the degree to which the goals set out in the Charter are being met.</p> <p>The Official Community Plan Update will incorporate policies that address the Charter's vision and objectives.</p>	<p><b>Ongoing.</b> The new OCP is reorganized around the pillars of sustainability and will help integrate sustainability objectives into land use and development decisions. The OCP focuses on sustainable land use development in both policy and in implementation tools such as DP Guidelines. The Sustainable Development Checklist (SDC) was developed and is in place for development applications. Stage 2 of the SDC will apply to building permit applications, and has not yet been implemented. A number of recommendations to improve and expand the Checklist were integrated into the CEEP and will be considered, along with continued support for planning staff who are implementing and using the Checklist (e.g., topical workshops). Focused growth in the City Centre is positioning it to be the region's second downtown, and the move to the new City Hall has helped stimulate development and regeneration in the area. Strategies for concentrating growth in future rapid transit corridors and town centres were outlined in the CEEP and will help build compact, complete communities and improve the viability of transit over time. Gentle infill and intensification in older neighbourhoods such as Newton will be a focus in the coming years.</p>
Municipal Jurisdiction	EN10	Integrated Community Energy Master Plans	<p>The City will achieve energy efficiency and the reduce production of greenhouse gases by:</p> <ol style="list-style-type: none"> <li>1. Developing Integrated Community Energy Master Plans for key locations in the City with the first such Plan to be undertaken in the Semiahmoo Town Centre area;</li> <li>2. Including policies and directions for energy efficient land uses and practices in all new Neighbourhood Concept Plans and Plan Updates; and</li> <li>3. Working with private property owners to promote upgrades and retrofits that increase building energy efficiency.</li> </ol>		<p><b>Ongoing.</b> The City is currently developing a Neighbourhood Concept Plan (NCP) for West Clayton. The Stage 1 report, which Council approved in 2013, includes a draft Energy Efficiency Density Bonusing Policy.</p>

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Municipal Jurisdiction	EN11	Surrey's Commitment to the Climate Change Action Plan	Climate change is one of the greatest challenges of our time. The City will undertake the actions to reduce the causes of climate change and to mitigate potential impacts.	<p>Immediate Actions in support of the Climate Change Action Plan: The City as a signatory to the provincial Climate Action Charter is participating in Metro Vancouver's Climate Protection Subcommittee and has completed an inventory of current actions that are being taken to mitigate and adapt to the effects of climate change.</p> <p>The City will complete Milestones 1 and 2 of the Federation of Canadian Municipalities (FCM) Partners for Climate Protection (PCP), which includes the completion of a corporate and community Greenhouse Gas (GHG) emissions inventory and forecast and the establishment of emission reduction targets.</p> <p>A moratorium on new developments being constructed in floodplain areas has been implemented as a result of changing flood elevations that have occurred due to climate change impacts and those predicted to come in the future.</p> <p>The City is studying the Crescent Beach area related to the impact of rising ocean levels, local subsidence and groundwater intrusions and their effects on the local drainage system based on current and future conditions.</p> <p>A comprehensive flood protection study is being undertaken on the Fraser River Corridor area. The study addresses the need for</p>	<p><b>Ongoing.</b> The Community Climate Action Strategy was adopted in 2013, comprising of the Community Energy and Emissions Plan (CEEP) and the Climate Adaptation Strategy (CAS). The CEEP outlines actions to reduce emissions through land use, transportation, district energy, buildings and waste. The CAS looks at how we can prepare for the impacts of climate change in infrastructure, flood management and drainage, urban trees, ecosystems, agriculture and food security, and human health and safety. Implementation has begun on both these plans. The new OCP is reorganized around the pillars of sustainability, and includes actions specific to climate mitigation and adaptation. The City is committed to reducing GHG emissions by 33% per capita by 2020 and 80% per capita by 2050, below 2007 levels. The 2010 CEEI was completed by the Province. The Corporate Emissions Action Plan (CEAP) continues to be implemented, with a goal of reducing emissions 20% by 2020. An annual GHG inventory and progress report is brought to Council, and energy and fuel use is being integrated into Agresso, the new Financial Management System to enhance GHG accounting.</p>
Municipal Jurisdiction	EN12	Enhancement and Protection of Natural Areas, Fish Habitat and Wildlife Habitat	Surrey's significant natural habitat areas support a wide range of plant and animal species and provide large valued green space and natural areas that not only provide natural habitat, but also provide buffers to urbanization and support low impact forms of recreation	<p>Enhance and Protect Natural Areas, Fish Habitat and Wildlife Habitat. The City has initiated an Ecosystem Management Study (EMS) that includes an updated inventory of environmental assets and management processes to protect and enhance these assets.</p> <p>There will be a further expansion of stewardship programs that enhance natural areas and creeks, such as SNAP and SHaRP, while also providing unique education opportunities for students involved in the programs.</p>	<p><b>Ongoing.</b> Following from the Ecosystem Management Study, the City is in the final stages of completing a Biodiversity Conservation Strategy (BCS). The BCS identifies the key hubs, sites and corridors that make up the green infrastructure network (GIN) and will support and maximize ecosystem values in Surrey. The Strategy aligns with the new OCP, identifies tools to protect the GIN over time and identifies specific management recommendations. The City continues to support and expand environmental stewardship programs such as SHaRP, SNAP, The Surrey Youth Stewardship Squad, Friends of the Forest, and Releaf. The City also partners with non-profit environmental groups to carry out stewardship of natural areas in parks. Management of natural areas includes inventory and removal of invasive plants, restoration through replanting with native plants, and conversion of passive lawn and degraded parkland into new natural areas. Compensatory tree planting results in two trees planted for each tree removed in park natural areas.</p>
Municipal Jurisdiction	EN13	Enhancing the Public Realm	The design of the public streets, public rights-of-way, linkages, parks and natural areas, is an important element in the achievement of sustainability. In many urban areas, up to 30% of the land area is allocated to streets and parking. Design of public streets, sidewalks, walkways and the spaces between shall minimize negative social, economic and environmental impacts, and maximize comfortable, safe and beautiful streets.	<p>Enhance the Public Realm. The City has hired a City Beautification Coordinator who will work with the community to beautify the City. Initiatives will include but will not be limited to installing decorations and seasonal lighting, implementing a banner program, installing public art at Gateways, town centers, major streets and civic parking lots, and promoting mural projects, graffiti mitigation, entrance signs and other civic projects.</p>	<p><b>Ongoing.</b> The Beautification Planner coordinates beautification initiatives throughout the City, including the new Facade Enhancement grant and the Community Beautification Grants, the city banner and seasonal light programs, town centre branding, and street furniture coordination. A popular "pop up park" initiative called "PARKit" was initiated in City Centre in 2012. A Public Art plan was developed in 2012, which outlines the City's direction out to 2016. The City continues to grow its collection of public art, and has the installations available to view online. The mobile "Artwalk App" allows visitors and residents to learn more about the art pieces in the community. A walking loop provides a suggested route to visit the many art installations in City Centre.</p>

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Municipal Jurisdiction	EN14	Public Education and the Sharing of Information	<p>The City will initiate demonstration projects and make information available</p> <p>Increase the Public Education and the Sharing of Information on Sustainability. The City is preparing a Sustainability Web Site that will provide information on the Charter and its implementation, with information and web links that will assist households and businesses to become more sustainable.</p> <p>The City has prepared a 3-brochure series titled "Sustainability &amp; You" themed on ways that residents can become more sustainable in their daily routine.</p> <p>Through Nature Matters and numerous Park, Recreation and Culture programs, Surrey residents and businesses are being engaged in learning about natural area protection, pollution prevention and waterwise practices. The City's website includes information for all ages. The City is developing a "Passion for Action" web-based education tool for schools with modules on sustainable practices.</p>	<p>Ongoing. The City continues to provide education and engagement opportunities for residents, including a sustainability presence on the website and facebook, the distribution of the "Sustainability and You" brochure series, participation at key public events such as party for the Planet, Arbor day, and National Tree day, and education and outreach through Nature Matters, Operation Save H2O, SNAP, ShaRP, various Parks, Recreation and Culture Programs, and partnerships with the School Board and other organizations. The Environmental Extravaganza series of events engages non-profit community partners to provide 75+ free environmental events and programs to the public each year, with thousands of residents participating. Natural Area management staff are engaging in information sharing with other municipalities regarding invasive plant management. The City is also working on new interpretive signage projects to promote green infrastructure projects, and to encourage reporting of water pollution incidents.</p>
Influencing others	EN15	Sustainable Transportation Options	<p>The City has significant influence over the number of trips people make and the modes of travel they will choose through land use practices and the design of streets and other transportation facilities. However many crucial transportation systems are managed and financed by other orders of government, in particular public transit, regional roads and the provincial highway network.</p>	<p>Ongoing. The development of the Walking Plan in 2011 and the Cycling and Greenways Plans in 2012 has provided direction for continued investment in active transportation modes. The City has significantly expanded active transportation infrastructure, and has increased the length of bike paths, greenways and park paths and trails across the community. The City continues to partner on or run programs that promote active transportation, including the School Travel Planning program, the Safe and Active Schools Program, and "Bike to School" training for elementary schools. The City and TransLink are planning to implement transit priority measures (queue jumpers) to further enhance transit service along King George Boulevard. The City has also played an advocacy role in better public transit service, and the development of light rail transit (LRT) in three major transportation corridors.</p>
Influencing others	EN16	Land, Water and Air Quality Management	<p>While the City is a key player in environmental management within the boundaries of the City, other agencies such as the Ministry of Environment have jurisdiction over legislation, regulations, monitoring and enforcement.</p>	<p>Ongoing. The City continues to collaborate with and lobby other agencies and levels of government on environmental management issues. This has included providing comments to the Ministry of Environment on the development of a new Water Sustainability Act, working with Metro Vancouver and Ministry of Environment staff on the development of an adaptive management framework to assess watershed health, involvement in a regional initiative to address the growing concern of sea level rise and associated flood impacts, and providing input into the current Riparian Areas Regulation and concerns regarding the impact of federal fisheries legislation on provincial and local issues. City staff regularly provide input on various provincial legislation and regulations from their positions on various boards and task forces, including: the Provincial Species and Ecosystems At Risk Working Group, the Invasive Species Council of Metro Vancouver, and the Provincial Contaminated Sites Approved Professionals Board.</p>
Influencing others	EN17	Enhance Biodiversity	<p>The City will advocate for sustainability in the areas of biodiversity, wildlife and fisheries by requesting additional tools and resources from senior levels of government, including:</p> <ol style="list-style-type: none"> <li>1. Improved legislation for critical wildlife habitat protection;</li> <li>2. Habitat management data, such as Sensitive Habitat Inventory Mapping (SHIM) and federal and provincial habitat and Species at Risk mapping;</li> <li>3. Technical and financial assistance for habitat protection, potentially in partnership with private organizations and the community;</li> <li>4. Practical, effective and equitable approaches to protect fish habitat and wildlife habitat;</li> <li>5. A coordinated regional biodiversity strategy; and</li> <li>6. Environmental monitoring resources to identify and manage areas of environmental concern as they emerge.</li> </ol>	<p>Ongoing. The City continues to advocate for and participate in regional, provincial and federal efforts toward biodiversity, including providing feedback on Environment Canada's Pacific Water Shrew Recovery Plan, participating in the Ministry of Environment's Riparian Areas Regulation review, working with the South Coast Conservation Program (SCCP) and the Provincial Species and Ecosystems at Risk (SEAR) Working Group to develop updated environmental protection tools and education materials concerning species and ecosystems at risk, provided input into the Metro Vancouver Regional Green Infrastructure Network (RGIN) Strategy and mapping, and pursuing clarifications of regulations with Fisheries and Oceans Canada (DFO) in the wake of recent changes to the Federal Fisheries Act.</p>

## Appendix B

### **Sustainability Charter Update – Terms of Reference (February 5, 2014)**

**Goal:** To update the Sustainability Charter in 2014

**Scope:**

- Review and confirm the Charter vision and goals
- Update “Scope of sustainability” (Actions in Part 3); particularly to:
  - Remove completed actions; and
  - Add new actions to reflect new City directions, programs and sustainability issues
- Refresh document branding
- Refine document structure to align with sustainability themes of the Sustainability Dashboard

**Engagement:**

The Sustainability Charter was developed in collaboration with residents, businesses, other community stakeholders, Council and staff. The Charter update will again require significant input from the community, Council and staff. The process will be guided throughout by City Council and the Senior Management Team, and engagement will encompass the following elements:

- City staff survey;
- Linkage with interdepartmental Sustainability Team and other staff working groups;
- Use of the City Speaks online community survey tool;
- Guidance from Environmental Sustainability Advisory Committee and other Committees as appropriate;
- Youth engagement, including with Surrey Youth Sustainability Network and Surrey Schools leadership group;
- Public forums, workshops and/or events such as World Cafés; and
- Social media including the City’s Facebook and LinkedIn sites.

It is expected that the process to update the Charter will take until the end of 2014, with the updated document being brought forward for approval by City Council early in 2015. The process will be managed by the Sustainability Office with support from other City Departments.

**Overview of Tasks and Timelines:**

<b>Tasks</b>	<b>Q1 2014 (Jan- Mar)</b>	<b>Q2 2014 (Apr- June)</b>	<b>Q3 2014 (July- Sept)</b>	<b>Q4 2014 (Oct- Dec)</b>
Identify consulting requirements, if any				
Conduct staff engagement including through staff survey; Sustainability Team guidance; Intranet				
Conduct community and business engagement, including through City Speaks surveys; public forums, events or workshops; website and social media				
Consult with the City's Advisory Committees and obtain feedback for consideration				
Interim Progress Report to Council on Charter update process, including results of consultations to date and issues identified				
Draft revised Charter including updated Actions				
Staff review of draft				
Bring draft updated Charter to Council				
Conduct final consultations including with the public, Advisory Committees and through website				
Prepare final updated Charter for Council approval				