

APPENDIX A

Dieppe Green Plan – Outline of recommendations

I - Ecological infrastructure (natural sites, waterways and wetlands): + \$4,430,000.00

1. Develop a vast network of natural sites and green corridors in Dieppe, with the objective of protecting watercourses, wetlands, distinctive natural sites and biodiversity in the municipality.				
	Action	Schedule	Responsibility	Cost
a.	Establish (reactivate) a <u>sub-committee on green spaces and trails</u> , with representation from citizens, employees and experts (if needed). Its mandate would be to implement a strategy for the development of a network of natural sites and green corridors in Dieppe.	Summer 2007	Environment Dir. (Env.) or Municipal Facilities (MF)	none
b.	Establish Chartersville marsh limits, obtain provincial recognition, prohibit any new development in <u>Chartersville marsh</u> , obtain municipal plan designation as Open Space – OS or floodplain.	Summer 2007	Council Motion and Planning	+ \$20,000
c.	Complete and send to Council for adoption the proposed <u>tree policy</u> . This policy would include a <u>by-law on tree cutting and felling</u> in the municipality, guidelines encouraging contractors to conserve trees during subdivision developments as well as a <u>program on major reforestation measures</u> .	Fall 2007	Council Motion, MF and/or Env.	none
d.	Complete an <u>inventory</u> and develop a <u>natural areas protection strategy</u> with the objective of designating 15 percent of City territory as natural space by 2010. The goal is to protect Dieppe’s existing ecosystems (brooks and streams, marshes, exceptional forest sites, migratory corridors, river shoreline, etc); encourage creation of neighbourhood parks and create at least one major natural park in the City or close to municipal boundaries (bike accessible).	Fall 2007	MF and/or Env.	+ \$20,000
e.	<u>Designate the entire Saint-Anselme marsh as a natural park.</u>	Fall 2007	Council Motion	None
f.	Establish a major <u>greening program</u> (reforestation) with the citizens for both private and public properties (residential and commercial lots, parks, Chartersville cemetery, boulevards, etc.) with the objective of planting several thousand trees each year.	Summer 2008	Env. or MF	+ \$100,000
g.	Implement an <u>acquisition strategy for lands located in Chartersville and Fox Creek marshes</u> and subsequently designate them natural parks.	Start: 2008 End: 2010	MF and/or Env.	+ \$100,000
h.	Implement the <u>natural areas protection strategy</u> beginning in 2008 (see 1d. above).	Start: 2008 End : 2010	MF and/or Env.	+ \$1,000,000

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2. Manage all surface waters (new and older subdivisions) to ensure the health of all waterways in Dieppe and to ensure adaptation to climate change.				
	Action	Schedule	Responsibility	Cost
a.	Establish, in the municipal plan, a <u>30 meter restriction zone</u> (Open Space - OS) surrounding all Dieppe waterways and in which all development will be prohibited.	Summer 2007	Council Motion and Planning	none
b.	Identify <u>natural boundary lines</u> for all waterways based on physical features (floodplains, topography) and undertake subsequent review of protection zones established in the municipal plan.	Fall 2009	MF and/or Env., Planning	+ \$20,000
c.	Implement a <u>sub-committee on surface water quality</u> , with representation from citizens, employees and experts (if needed). The mandate is to develop and implement a policy on managing surface waters and protecting waterways in Dieppe. The cooperation of non-governmental organizations (NGO) is required in this component.	Fall 2007	Engineering and Env.	none
d.	Plan future road and street construction to avoid or minimize having to <u>build over</u> waterways.	Fall 2007	Eng., Planning and Env.	none
e.	Require that significant new developments incorporate <u>hydrocarbon filtration systems</u> in parking lots and encourage existing businesses to do likewise.	Fall 2007	Engineering and Env.	none
f.	Develop and implement <u>an awareness campaign</u> on the effects of cosmetic pesticides and promote ecological alternatives to lawn care.	Summer 2007	Communications and Env.	+ \$20,000
g.	Develop and adopt a <u>municipal by-law banning cosmetic pesticide use</u> in Dieppe in 2008.	Spring 2008	Council Motion and Env.	none
h.	Complete and implement a strategy for managing all <u>surface waters</u> , curbing <u>erosion</u> and discharge of <u>toxic substances</u> in Dieppe waterways. This strategy includes an <u>adjustment plan</u> that incorporates climate change effects on these environments (abundant rains, flooding).	Start: Spring 2008	Eng. and Env.	+ \$1, 000,000
i.	Develop and implement an <u>identification program (signage)</u> for waterways, marshes and floodplains in Dieppe. This program should also identify and work to designate <u>geographical names</u> for watercourses and tributaries that are not presently identified.	Start: 2008 End: 2010	Public Works (P W) and Env.	+ \$10,000
j.	Establish an <u>annual public spring clean-up campaign</u> of waterways and municipal neighbourhoods.	Spring 2008	Community Rec. (CR) and Env.	+ \$10,000
k.	Develop a <u>3-year recovery plan</u> to re-establish water quality in Babineau, Fox Creek and Grindstone waterways.	Start: Summer 2008	Env. and PW	+ \$80,000
j.	Develop a strategy to promote <u>green roofs</u> in commercial zones.	Spring 2009	Env. and Insp.	+ \$50,000

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3. Actively participate in the restoration and enhancement of the Petitcodiac river.				
	Action	Schedule	Responsibility	Cost
a.	Create, in the municipal plan, a <u>new zone designated "riverfront development"</u> comprised of all lands located between Champlain St. and the Petitcodiac river (formerly, the "Bend"). Future zone uses would be limited to developments that enhance cultural, heritage and ecotourism endeavours on the Petitcodiac river (hotels, patios, boutiques, tourist attractions, marina and other community-oriented developments).	Summer 2007	Council Motion	none
b.	Work with the Greater Moncton Sewerage Commission (GMSC) so that the water treatment plant offers <u>secondary treatment by 2012</u> and <u>tertiary treatment by 2017</u> .	Start: Fall 2008	Council Motion	none GMSC
c.	Develop and implement an enhancement plan for <u>the Petitcodiac River</u> : a permanent infrastructure for tidal bore observations; access to the river for navigational purposes ; development of an ecotourism industry.	Start : Spring 2009	Council Motion, MF, Env. and CDEDC	+ \$2, 000,000

II - Critical needs (drinking water, air quality, access to food, energy) : + \$1,400,000.00

4. Provide sustainable sources of drinking water in the municipality.				
	Action	Schedule	Responsibility	Cost
a.	Designate the entire Lakeville catchment area as <u>natural green space</u> .	Fall 2007	Council Motion	none
b.	Develop a sustainable <u>forestry management plan</u> for the entire Lakeville catchment area where clear cutting has occurred.	Spring 2008	MF and Env.	+ \$20,000
c.	Develop a <u>global conservation and management plan for municipal water requirements</u> according to best management practices as well as a <u>plan to install water meters</u> .	Start: Spring 2008	PW and Env.	+ \$1,000,000
d.	Provide <u>water quality results</u> to Dieppe citizens.	Spring 2008	PW and Env.	None
e.	Establish a by-law on <u>septic tank maintenance</u> (once every two years).	Spring 2008	Council Motion, Insp. and Env.	None

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5. Provide quality air in the municipality.				
	Action	Schedule	Responsibility	Cost
a.	Implement an <u>awareness campaign on the effects of smoke</u> from wood-burning stoves and on efficient burning practices.	Fall 2007	Building Inspection (BI) and Env.	+ \$20,000
b.	Develop and implement a <u>monitoring program on air quality</u> in cooperation with the provincial Environment Department and surrounding municipalities.	Spring 2008	BI and Env.	+ \$100,000
c.	Develop and adopt a <u>by-law regulating the installation and usage of fire places and non certified wood stoves</u> and in which outdoor fires would also be either regulated or banned.	Spring 2008	Council Motion, BI and Env.	none
d.	Develop a strategy to encourage owners to <u>replace existing non certified wood stoves with high efficiency models</u> .	Spring 2008	Inspection and Env.	+ \$100,000
e.	Review and adopt a policy to regulate development activities in the municipality (street construction, etc.) in order to <u>minimize dust</u> .	Spring 2008	Council Motion, Eng. and Env.	None

6. Protect arable lands and enable neighbourhoods within the municipality to each have access points to food supplies.				
	Action	Schedule	Responsibility	Cost
a.	Establish a <u>sub-committee on community gardening</u> with representation mainly from citizens, with the following mandate: conduct an inventory, protect older arable lands with heritage value, develop a working plan for community gardens and a compost service in Dieppe.	Summer 2007	MF, CR and/or Env.	none
b.	Finish the <u>inventory on arable lands</u> , community gardens and food supply centers in Dieppe.	Spring 2008	Env.	none
c.	Orient future municipal development in such a manner as to have, in each neighbourhood, <u>direct access to food supplies</u> (mixed development concept, “smart growth”, with walking access to grocery stores – 10 to 15 minutes.	Spring 2008	Council Motion	none
d.	Develop, jointly with the Dieppe Market, a communications strategy to <u>promote local produce and products</u> .	Spring 2008	Communications and Env.	+ \$10,000
e.	Develop the <u>necessary infrastructure</u> to establish community gardens (land acquisition, other equipment).	Start: Summer 2008	Env.	+ \$50,000

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7. Actively participate in energy conservation efforts, develop and promote renewable energy resources within the municipality.				
	Action	Schedule	Responsibility	Cost
a.	Establish an <u>awareness campaign</u> aimed at <u>promoting energy conservation</u> in Dieppe homes and businesses.	Fall 2007	Communications Insp. and Env.	+ \$20,000
b.	Develop a policy and/or by-law to promote the use of <u>clotheslines</u> in the municipality.	Spring 2008	Env.	none
c.	Develop a policy to promote the development of <u>subdivisions that benefit from passive solar energy</u> .	Spring 2008	Eng., Insp. and Env.	none
d.	Adopt a by-law to encourage and regulate the <u>use of renewable energy resources</u> by individuals in the municipality (passive solar energy, solar panels, wind power, geothermal power, etc.).	Spring 2008	Insp. and Env.	none
e.	Complete a <u>feasibility study</u> on the potential for reducing greenhouse gas emissions in Dieppe (measures to <u>limit the idling of vehicles</u> , traffic lights regulated for off peak hours, traffic circle engineering, incentives to reduce use of drive-thru services, etc.), push lawn mowers, etc.	Fall 2008	Insp. and Env.	+ \$20,000
f.	Complete a <u>feasibility study</u> on the potential to reduce greenhouse gas emissions by <u>limiting the idling of vehicles</u> in the City (traffic lights regulated for off peak hours, traffic circle engineering, etc.).	Fall 2008	PW and Env.	+ \$20,000
g.	Complete a <u>feasibility study</u> on the potential for renewal energy in Dieppe (wind, geothermal, solar, etc.).	Fall 2009	Env.	+ \$40,000

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III - Transportation infrastructure (trails, public transit) : + \$4,260,000.00

8. Establish a complete network of trail and bicycle paths to promote active transportation within and without municipal boundaries.				
	Action	Schedule	Responsibility	Cost
a.	Update Dieppe's <u>master plan</u> for a trail system.	Fall 2007	MF or Env.	+ \$20,000
b.	Complete the construction of the <u>trail system</u> in Dieppe by 2010, linking all neighbourhoods (trails, asphalted sections, toilets, benches, shelters, signage, garbage bins, bike racks, bike rentals, etc.).	Start: 2007 End: 2010	MF or Env.	+ \$2, 000,000
c.	<u>Link Dieppe's trail system</u> to surrounding municipalities (Moncton and Memramcook).	Start: 2008 End: 2010	MF or Env.	+ \$200,000
d.	Implement an <u>awareness campaign</u> to promote active transportation.	Summer 2008	Communications CR and Env.	+ \$10,000

9. Develop and promote active public transit services in the municipality.				
	Action	Schedule	Responsibility	Cost
a.	Update Dieppe's <u>public transit service plan</u> .	Summer 2007	Planning and Env.	+ \$10,000
b.	<u>Increase the capacity of the public transit system</u> (new buses, scheduling adjustments, Sunday service, Saturday morning service – Farmer's Market, fast shuttles) and offer free service to children and students in the municipality.	Start: Fall 2007 End: 2009	Planning and Env.	+ \$1,000,000
c.	Feasibility study and construction of <u>express lanes</u> to allow the public transit system to avoid congested traffic flow.	Start: Summer 2008 End: 2009	Planning and Env.	+ \$1,000,000
d.	Implement an <u>awareness campaign</u> to encourage residents, students and workers to use the public transit system.	Summer 2008	Communications and Env.	+ \$10,000
e.	Complete a study on parking and adopt a by-law on <u>downtown parking</u> (number of parking spots, price) in an effort to encourage car pooling, public transit and/ or active transportation.	Summer 2008	Planning and Env.	+ \$10,000

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IV – Sustainable development

10. Insure Dieppe's development according to basic principles of sustainable economic development and "smart growth".				
	Action	Schedule	Responsibility	Cost
a.	Adopt a resolution to the effect that future development in the City (road system, subdivisions) must adopt sustainable development and "smarth growth" principles thereby encouraging high density development and mixed zones.	Fall 2007	Council Motion	none
b.	Develop a <u>policy or guidelines</u> that will serve to determine which "smart growth" principles the City wishes to apply. The policy should limit the municipality's geographic expansion, control urban sprawl, better define the concepts of "light, medium and heavy" industry by establishing environmental regulations, allow a mix of residential and commercial development projects with pedestrian access to services, prioritize and contain development along certain axes of development.	Fall 2008	DG Planning, Eng. and Env.	none
c.	Develop a <u>green economy</u> in Dieppe (green energy, research and development in environmental matters, biological produce sector, etc.).	Fall 2008	CDEDC	none

V – City Hall management

+ \$150,000.00

11. Integrate sustainable development principles to City administration, municipal facilities and municipal affairs.				
	Action	Schedule	Responsibility	Cost
a.	Develop and adopt a policy to encourage participation of <u>elected officials and municipal employees</u> in Green Plan objectives.	Fall 2007	Council, DG and Env.	none
b.	Develop, adopt and apply a policy regarding <u>acquisition of products and services</u> by the municipality (recycled fibre paper, ecologically friendly cleaners, measures to encourage green products use and local projects, "green" receptions, etc).	Spring 2008	Finance and Env.	none
c.	Continually invest in <u>energy conservation</u> to improve the efficiency of all municipal structures (buildings, lighting, traffic lights) and evaluate the potential of the municipality to be supplied by <u>renewable energy</u> .	Fall 2008	MF, PW and Env.	+ \$50,000
d.	Develop and adopt a policy on the construction of all <u>new municipal buildings</u> (materials, energy performance) so that new structures meet the most stringent requirements in energy conservation and use of passive solar energy (LEED certification, for example).	Fall 2008	MF, Insp. and Env.	none

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12. Manage the municipal vehicle pool to minimize impacts on environment.				
	Action	Schedule	Responsibility	Cost
a.	Adopt a policy on <u>reducing vehicle idling</u> within municipal vehicle pool.	Fall 2007	Council Motion	none
b.	Develop, adopt and apply a purchasing policy aimed at <u>renewing the vehicle pool</u> with low-emission vehicles.	Fall 2007	PW and Env.	none
c.	Develop, adopt and apply a policy on <u>snow removal</u> (streets and sidewalks), disposal of and treatment of waste snow as well as sidewalk and municipal parking lot <u>de-icing</u> . The goal of this policy is to eliminate or significantly reduce harmful product use (e.g., salt during the winter), manage waste snow and promote active transportation during the winter.	Fall 2008	PW, MF and Env.	+ \$100,000

13. Reduce, retrieve and recycle residual materials in the municipality.				
	Action	Schedule	Responsibility	Cost
a.	Revise and adopt the city's policy on <u>reducing, retrieving, recycling and burying</u> of all residual materials and solid garbage produced by the municipality and municipal facilities.	Spring 2008	MF and Env.	none
b.	Develop a strategy, in cooperation with the Westmorland-Albert Solid Waste Commission to extend the garbage separation program to <u>commercial and institutional sectors</u> and apartment buildings of more than five units.	Spring 2008	Planning and Env.	none

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VI – Community Recreation (CR) Services + \$20,000.00

14. Incorporate “green living” activities in Community Recreation Services programming.				
	Action	Schedule	Responsibility	Cost
a.	Develop a calendar of “green activities” for Dieppe and integrate the activities within regular programming (Earth Day – April 22 nd , Tree Day or Week in May, Canadian Environment Week- June, etc.)	Spring 2007	CR and Env.	none
b.	Develop, after citizen consultation, a more elaborate <u>calendar of green activities</u> (active transportation for young people, mothers and senior citizens, walk to school and/walk to work program, for e.g., <i>Active and safe routes to schools</i> program, other special events with an environmental accent.	Spring 2008	CR and Env.	none
c.	Develop and implement’s Dieppe’s first <u>green programming</u> season in Community Recreation services.	Spring 2008	CR and Env.	+ \$20,000

VII - Communications + \$20,000.00

15. Implement a communications strategy to insure Green Plan success.				
	Action	Schedule	Responsibility	Cost
a.	Develop, adopt and implement a <u>communications strategy</u> so that Green Plan principles become an integral part of life for Dieppe residents, developers and businesses (Dieppe Web site, community bulletins, promotional activities). The strategy would also target schools and colleges in the municipality.	Start: Fall 2007	Communications, Eng., Planning and Env.	+ \$20,000

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VIII - Implementation, financing and evaluation + \$810,000.00

16. Ensure the Green Plan is implemented.				
	Action	Schedule	Responsibility	Cost
a.	Adopt the Green Plan.	Spring 2007	Council Motion	none
b.	Adopt a first operating budget (2007/2008) for the Green Plan.	Spring 2007	Council Motion	none
c.	Hire a <u>director</u> to oversee the implementation of the Green Plan. This employee would report to the City Manager (CM).	Spring 2007	CM	+ \$350,000 (5 years)
d.	Implement a <u>permanent steering committee</u> to oversee Green Plan implementation.	Summer 2007	Council Motion	None
e.	Adopt, within the <u>municipal plan</u> , a <u>governing principle</u> that all developments must meet Green Plan requirements.	Summer 2007	Council Motion	None
f.	Develop and adopt a <u>financing strategy</u> to ensure development of Green Plan activities (existing municipal financing, new municipal financing, provincial and federal funds, strategic partnerships, human resources requirements, etc.).	Fall 2007	Finance and Env.	None
g.	Create <u>partnerships</u> with the <i>Université de Moncton</i> , local environmental organizations and other agencies susceptible of promoting Green Plan objectives.	Fall 2007	Env.	None
h.	Hire a <u>part-time GIS technician</u> responsible for mapping green spaces, parks, trails/bicycle paths and natural green space. Maps on new water lines, culverts and drainage could also be this employee's responsibility.	Winter 2008	Env.	+ \$150,000 (5 years)
i.	Develop and adopt a series of <u>incentives</u> to encourage implementation of green projects in Dieppe (funding programs for businesses and citizens, etc.)	Winter 2008	CM, Finance and Env.	+ \$20,000
j.	Examine the advantages (efficiencies, savings, etc.) and disadvantages (costs, duplication of services) of establishing a <u>new municipal department</u> responsible for the environment and Green Plan implementation (green spaces, trails and other environmental initiatives).	Winter 2008	CM	none
k.	Hire a <u>by-law enforcement officer</u> responsible for ensuring that all Dieppe municipal by-laws are respected.	Spring 2008	CM, Finance and Inspections	+ \$250,000 (5 years)

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17. Evaluate Green Plan success.				
	Action	Schedule	Responsibility	Cost
a.	Develop and adopt an <u>evaluation method</u> to measure <u>Green Plan progress</u> (kms of trails remaining, size of natural space requiring protection, CO ² measures, etc) and impact of Green Plan implementation on <u>natural environments</u> (water quality in waterways, species inventory, air quality, etc.) and <u>quality of life</u> for citizens (participation in green initiatives, satisfaction, etc.).	Summer 2007	CM and Env.	+ \$10,000
b.	Develop and adopt a <u>merit or certification program</u> for recognizing green initiatives in Dieppe.	Winter 2008	CM and Env.	none
c.	Develop and adopt an evaluation method to <u>measure global economic benefits</u> as well as direct impacts of Green Plan implementation on municipal finances, (expenditures, efficiencies and new revenues).	Winter 2008	CM, Finance and Env.	+ \$10,000
d.	Evaluate recognized methodologies (e.g., <u>ISO standards, Agenda 21 and others</u>) to allow for an annual environmental audit.	Fall 2008	CM and Env.	+ \$10,000
e.	Prepare an <u>annual report</u> on green initiatives based on the Green Plan, hold <u>annual public consultations</u> and adjust the Green Plan accordingly.	Fall 2008	Env. and CDEDC	+ \$10,000

Total 5 years:

+ \$11,090,000.00