

Proposed Spending Plan for 2019 Hydro Ottawa Dividend Surplus Funds

Table 1 proposes a spending plan for 2019 Hydro Ottawa dividend surplus to support Energy Evolution priority projects, leverage federal and provincial funds where possible, and implement energy efficiency, conservation and renewable energy generation projects. Energy Evolution projects include, but are not limited to, municipal energy conservation, efficiency and fuel switching projects, energy projects at ROPEC, electrical work, upgrades and infrastructure to support the electrification of vehicles, and communication, education and engagement programs that support Energy Evolution objectives. Funds could also be used to leverage federal and provincial funds where possible and implement energy efficiency, conservation and renewable energy generation projects. The funding is for all project related costs including feasibility and design studies, pilots, construction, and equipment acquisition or installation.

Table 1: Proposed Spending Plan for Hydro Ottawa Dividend Surplus Funds

Energy Evolution Priority Project	Project Description	Lead Department	Estimated Cost
High-Performance Development Standard	Establish high-performance development standard.	PIED	\$50,000
Municipal Buildings Renewal and Retrofit Program	Program will include energy audits of buildings, policy, standards, business processes, and best practice updates and inform asset management.	PIED	\$100,000
Municipal Buildings Renewal and Retrofit Program	IR Buildings Scan: State of the art Infra-Red (IR) scan of City buildings. Outcome of scanning exercise should be actionable projects on buildings analyzed. This would do five buildings thoroughly. Scalable.	RCFS	\$160,000

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Municipal Buildings Renewal and Retrofit Program	High Performance Windows: Windows above R-11. Could have a partial rural focus to help make city buildings in a rural village resistant to losing heat during a long-term power failure. Also, complete Glebe Community Centre window change-over.	RCFS	\$244,500
Municipal Buildings Renewal and Retrofit Program	Heat Recovery at Pools: Pool dump water control possibly with heat recovery.	RCFS	\$40,000
Municipal Buildings Renewal and Retrofit Program	Convert Hintonburg Community Centre to zero emission though a mix of R-11 windows, heat recovery ventilation and heat pumps.	RCFS	\$240,000
Municipal Buildings Renewal and Retrofit Program	Ground Source Heat Pumps: Add ground source heat pumps to replace natural gas at General Burns Community Centre. General Burns has boilers at end of service life. Will get City personnel more used to heat pumps.	RCFS	\$120,000
Municipal Buildings Renewal and Retrofit Program	Funds to take advantage of GHG reduction as opportunities occur. These may present themselves during audits, be periodically identified by City staff or may present themselves during breakdown repair work	RCFS	\$80,000
Municipal Buildings Renewal and Retrofit	Electrical work and upgrades to support the green fleet program including charging and associated infrastructure as well as funding for green fleet measures on vehicles to reduce GHG emissions	PIED	\$250,000

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Program and Green Fleet Program			
Municipal Buildings Renewal and Retrofit Program	Electric Vehicle (EV) Awareness: Training for City staff on EV's including vehicle knowledge, and selection/installation of infrastructure. Training could also be adapted for external stakeholders (ex. Climate Ambassadors Network and large employers).	PIED	\$20,000
Update to Green Municipal Building Policy	Training and development for project managers.	PIED	\$60,000
Community Building Heating Strategy	Study to assess district energy options for new Gladstone development. Options could include standalone district energy system, connection to the federal district energy system, and/or back up the federal district energy system. Scope could be expanded if connections to Bayview Yards or the new hospital were considered.	PIED	\$25,000
Commercial Buildings Retrofit Accelerator Program	Develop benchmarking and disclosure program to support commercial building retrofits.	PIED	\$340,000
Energy Community Improvement Plans	Develop a city-wide energy focused Community Improvement Plan (CIP) (Brownfield CIP update will include energy considerations	PIED	\$50,000

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	and help inform future energy CIP). Will include consultation with key stakeholders.		
Personal Vehicles Electrification Strategy	Two-year temporary staff to support the Personal Vehicles Electrification Strategy, Zero Emissions Commercial Vehicles Strategy, and the corporate EV policy.	PIED	\$200,000
Personal Vehicles Electrification Strategy	Support for annual in-person and/or online EV Days and development of new EV community toolkit to raise awareness and overcome barriers.	PIED	\$22,500
Personal Vehicles Electrification Strategy	Signage for EV chargers.	PIED	\$20,000
Personal Vehicles Electrification Strategy	New EV Fast Chargers: Terry Fox Park and Ride is a candidate because charging at peak hours is near capacity.	PIED	\$100,000
Personal Vehicles Electrification Strategy	Mobile EV Discovery Centre in Ottawa.	PIED	\$20,000
Organics Resource Recovery Strategy	Industrial, Commercial and Institutional (ICI) Organics: Strategy for diverting ICI organic waste.	PIED	\$80,000

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Renewable Natural Gas Strategy	Market analysis of biogas: Analysis of the markets in which biogas can be sold to make the business case for implementation at ROPEC and/or Trail Waste Facility. Clarity on the federal Clean Fuel Standard would help.	PWES	\$30,000
Renewable Natural Gas Strategy	First Energy Project at ROPEC - (Conceptual) Design Energy Study: Undertake design for Biogas Optimization Study recommendations, concurrent with the ROPEC Master Plan.	PWES	\$200,000
Renewable Natural Gas Strategy	Initial investigation of biogas production potential of garburator waste followed by in-depth feasibility study (subject to result of initial investigation).	PWES	\$50,000
Electricity Resource Strategy	Do one existing LRT roof and some Class B roofs - potential locations being reviewed. Could include leasing and Class B accounts.	PIED	\$16,000
Electricity Resource Strategy	Wind Atlas and Pathway: Develop a map of potential wind sites (for OP in 2021) and a strategy (2022) to achieve the wind penetration rates called for in Energy Evolution. Dependent on virtual net metering to be successful.	PIED	\$2,000
Climate Change Education and Outreach Program	Annual communication campaigns to support implementation of the Climate Change Master Plan priority "Private Action". This would support other Climate Change Master Plan priorities	PIED	\$30,000

Energy Evolution Priority Project	Project Description	Lead Department	Estimated Cost
	including the roll out of community focused Energy Evolution projects.		
Climate Ambassadors Network	Launch the first cohort of Climate Ambassadors Network.	PIED	\$50,000
		Total	\$2,600,000