ECM - Project Inventory

Complete	Annual Life Cycle Savings [$]	Grants/Rebates [$]
Rutland Arena heat Recovery Project	$26,000	$99,800
In Progress		
Cedar Creek Pump Station - New Pump	$18,000	$0
Airport Parking Lot Lighting - LED Conversion	$12,500	$17,600
City Yards	$8,000	$27,000
Proposed		
Capital News Center	$42,000	$68,500
Other		
Fortis Energy Specialist Program		$120,000
Fortis Energy Study Incentives		$16,200
Total	**$106,500**	**$349,100**

Additional Involvement

Improved relationship and increased communication with FortisBC
CNG Feasibility Study
Project Management for Street Light Retrofit

Completion Date	
31-Mar-16	Project driver was the replacement of a failed heat recovery storage tank. After approval of a Community Energy Leadership Program energy grant and FortisBC rebate, the project increased in scope to include boiler and controls upgrades which resulted in Natural Gas savings of 2660 GJ per year. After rebates and grants, the capital cost is $75,000 (2.9 year payback).
1-Jun-16 1-Jun-16 30-Sep-16	Project driver was to improve reliability and avoid mechanical failure of the existing pump station. The Energy Specialist was engaged resulting in the installation of a smaller duty pump which resulted in a demand charge reduction of approx 200 kVA. Project driver was end of service of the existing street lights. Other considerations in the design were improved energy efficiency and reduced operational cost. The design included replacement of 222 existing HPS street lights with LED lights which resulted in Electrical savings of 116,508 kWh/year. After rebates, the incremental capital cost to upgrade to LED fixtures is $60,000 (4.8 year payback). Project driver is end of service life of the existing boilers. The project design includes an upgrade to high efficiency condensing boilers from mid-efficiency boilers which will result in savings of 890 GJ per year. After rebates, the incremental capital cost to upgrade to the more efficient condensing boilers is $27,000 (3.4 year payback).
1-Dec-16	The Energy Specialist, working in cooperation with the operator of the Capital News Centre (RG Properties), identified a project which will reduce operational cost. The design is for replacement of all metal halide fixtures with LED fixtures which will result in Electrical savings of 456,000 kWh/year. After rebates, the total capital cost is $100,000 (2.4 year payback). This is a win/win project with the City and RG Properties working together to find the best solution to meet the needs of the facility and operator. Also the Electrical kWh savings contribute to the reduction targets identified under the FortisBC Energy Specialist Agreement.
1-Jun-17 15-Mar-16	$60,000/year (x2), high potential for another year renewal. Energy Study for Rutland Arena Heat Recovery project.