

#### GOAL #2: REDUCE ENERGY CONSUMPTION AND GREENHOUSE GAS EMISSIONS

#### **Targets:**

- Achieve 20 per cent reduction of total corporate greenhouse gas emissions from 2008 levels by 2020.
- Achieve six per cent reduction of total community greenhouse gas emissions from 2008 levels by 2020.

#### Initiatives:

- 2.1 Partners for Climate Protection
- 2.2 Local Action Plan for Energy Conservation and Reducing Greenhouse Gas Emissions
- 2.3 Initiatives from other St. Albert plans
- 2.4 Community education and incentive initiatives

### **Action Planning for City of St. Albert Buildings and Facilities**

Action	Level of effort / budget	Timeline	Funding Sources
Adopt a corporate Green Building Policy that includes minimum energy performance for new City buildings.	Less than \$50,000	Short-term 2013-2014	Internal
Benchmark municipal building energy use with the MCCAC municipal benchmarking program.	Less than \$50,000	Short-term 2013-2014	N/A
Continue to conduct energy efficiency audits to identify cost-effective retrofits, and plan and implement energy upgrades for existing City buildings.	Between \$50,000 and \$100,000	Ongoing	Operations budget
			FCM Green Municipal Fund
Create a facility energy management system that includes training and feedback systems for building managers and operators, and a best management practice system such as BOMA BESt or LEED EBOM.	Less than \$50,000	Ongoing + one time certification	Operations budget
Pilot a behavioural change campaign to measure its effectiveness before broad deployment.	Between \$50,000 and \$100,000	Medium-term 2015-2016	Internal FCM Green Municipal Fund

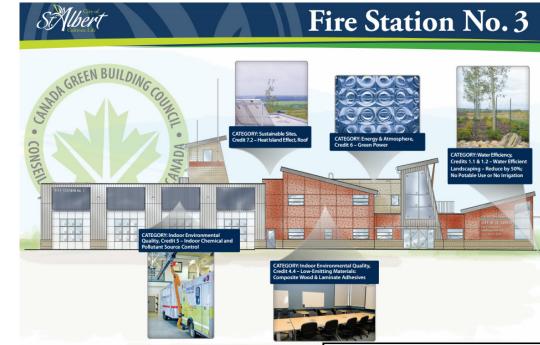
#### 2012 | CITY OF ST. ALBERT

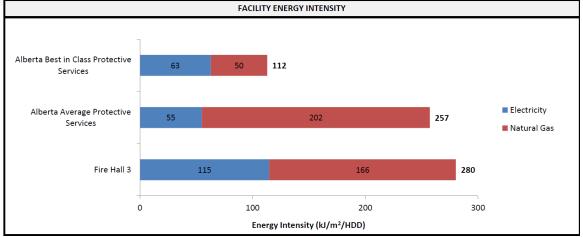
Local Action Plan for Energy Conservation and Reducing Greenhouse Gas Emissions



SAlbert

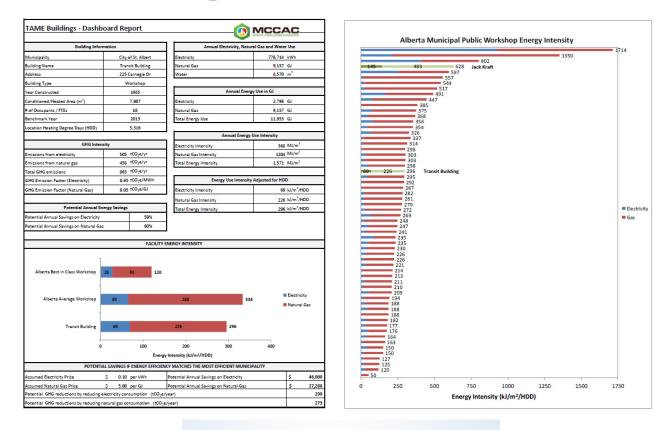
## SUSTAINABLE BUILDING POLICY





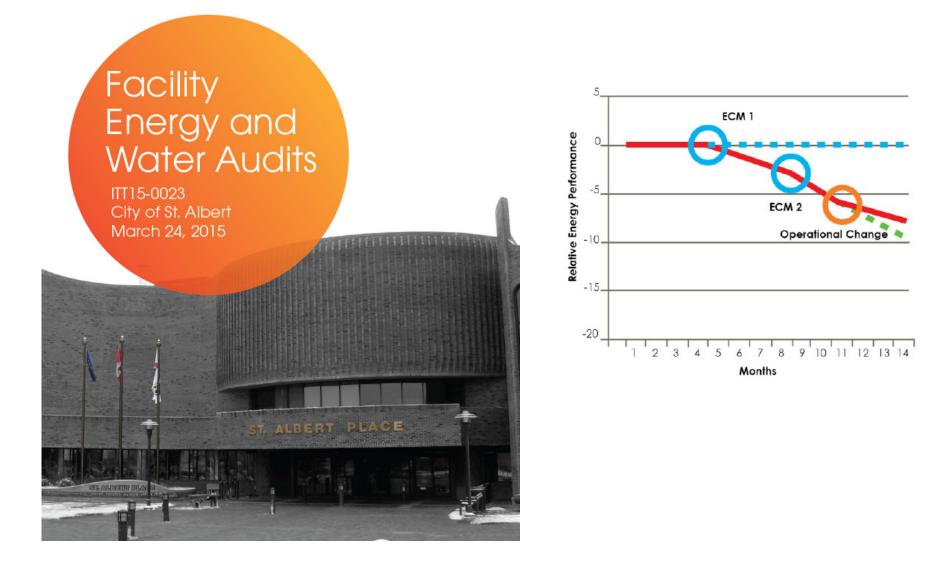
# BENCHMARKING







### **ENERGY & WATER AUDITS**



### **BUSINESS CASE APPROACH & METRICS**

EVALUATE THE PROJECTS	SCORE THE PROJECTS	3 RANK THE PROJECTS
PROJECT APROJECT BPROJECT CPROJECT D	<ul> <li>a contraction of the second second</li></ul>	1.       PROJECT B       =       98         2.       PROJECT D       =       90         3.       PROJECT A       =       85         4.       PROJECT E       =       85         5.       PROJECT C       =       70



## **RENEWABLE ENERGY**

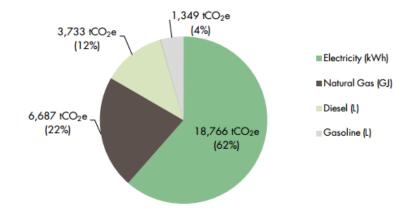


Figure 4: Corporate GHG Emissions by Source (2008)



Figure 1: Municipal Government "Spheres of Influence"

