



2010

ENERGY EFFICIENCY

Setting the Foundation

TOGETHER.STRONGER.

Energy Efficiency

- AMSC has and currently is exploring various third party services related to energy efficiency. AMSC continues to exercise due diligence in evaluating these services and monitoring changes out our control.
- Currently, AMSC is participating in various industry initiatives that are necessary building blocks in energy efficiency and green house gas reductions. This is critical in Alberta as we strive to achieve efficiency in a complex and unique deregulated market.
- Initiatives led by AMSC/AUMA are using the Alberta Provincial Energy Strategy, as well as, the Integrated Community Energy Solutions (ICES) Roadmap to structure options that municipalities can utilize internally and possibly roll out to their community.



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- Protocols of Cooperation:
 - The AUMA has now put in place a “Protocol of Cooperation” with Alberta Energy and Alberta Environment.
 - The protocol will provide a platform to align policies, cooperate on programs, as well as, jointly explore challenges and solutions in various initiatives.

- Participation in Alberta Energy Initiatives:
 - Automated Metering Infrastructure - Smart Grid,
 - Electric Utilities Advisory (EUA) Committee,
 - Retail Coordinating Committee,
 - Critical Transmission Oversight Committee.



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- AUC and AESO Initiatives:

- Settlement System Code projects,
- Utility Rate Applications (in conjunction with the Utility Consumer Advocate),
- Demand Side Management project,
- Reliability Standards.

- New Franchise Agreement Template:

- AUMA has taken the lead on negotiating a new Franchise Agreement template.
- Although many areas of the template are being reviewed, the AUMA will be requesting additional reporting requirements. Reports must provide community related consumption information and site count by rate class, micro-generation installations, etc. so that a municipality can understand successes in their community relating to carbon reduction and energy efficiency efforts.

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- Alberta Municipal Place (AMP)
 - With the purchase of the new AUMA building, many new best practices, technologies, and retrofits have been installed. These will be evaluated and assessed for municipal use. Some of these are:
 - Preliminary Energy Audit,
 - Detailed Energy Audit,
 - Wind turbine (1.8 kW-3P),
 - Solar panels (2.0 kW-3P),
 - Co Generation (combined heat and power unit),
 - Building Envelope (windows, insulation, and roof),
 - High Efficiency HVAC System,
 - Building Management System (lighting, security, and HVAC).

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- The Municipal Climate Change Action Plan Centre
 - Increase municipal capacity,
 - Enable municipalities to increase energy efficiency,
 - Reduce greenhouse gas emissions (GHG) in operations and communities,
 - Education and demonstrate best practices,
 - Policy review and Federal and Provincial funding,
 - A one-stop-shop for municipalities.

- The Energy Demonstration Centre
 - Showcase technologies and retrofits installed and operational at AMP,
 - Quantify GHG emissions,
 - Investigate new technologies that support energy efficiency,
 - Introduced findings to municipalities.



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Setting the Foundation...

- The Alberta utility industry is complex and the AMSC/AUMA is positioning itself to meet the needs of its members.
- In past, AMSC has introduced customized energy efficiency related services and products; uptake has varied across municipalities.
- AMSC's intent is to expand and provide a variety of products and services that support a municipalities drive to energy efficiency.
- Of importance, AMSC needs to understand its members needs and expectations pertaining to energy efficiency.

Thank you!

Questions?