

# LAS Energy Planning Tool (EPT)

Something old, something new to avoid  
being blue come energy planning time

**May 9, 2016 Webinar**

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# Today's Agenda

Presentation available for download.

1. Update on Regulation 397/11 by the Ministry of Energy
2. Energy Planning Tool Updates
3. Demonstration of new financial analysis tools now available in the EPT

# Many benefits to energy management

Municipal Sector has made great strides over last several years. Now that a CDM plan is in place, many staff are asking us—now what?

## Reduce Operating Costs

Clearly show **energy and maintenance cost savings**. Note: costs rising 5% per year with do nothing scenario

## Regulatory Compliance

Operationalize **conservation plans** now that they are in place. Link to Asset Management requirements as well.

## Enhance Asset Management

show **benefits to existing equipment** and facilities

## Environmental Stewardship

Highlight how suggested projects will **reduce GHGs** and associated waste

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# Energy Planning Tool (EPT)

Offers living CDM plan at great value



188 municipalities currently subscribe to the EPT



Update progress on projects, processes, and programs--generate compliant CDM plan, easy update for 2019



Continues to be updated with best practices from across the municipal sector plus new financial analysis tools

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# New Financial Analysis Tools

Moving beyond flawed simple payback

Simple Payback	Number of years of annual savings required to fully repay the installed cost of the project.
Net Present Value (NPV)	The cumulative discounted value of future cash flows minus the installed cost of the project.
Internal Rate of Return (IRR)	The project yield, that can be compared to the interest rate of other investments. The IRR is the interest rate at which the net present value of all the cash flows (both positive and negative) from a project or investment equal zero.

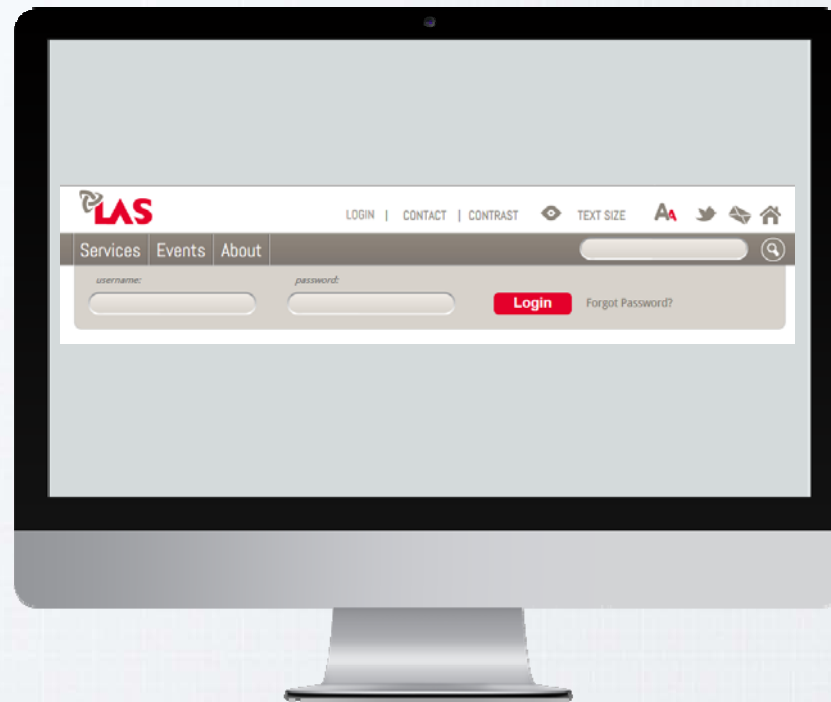
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# New Financial Analysis Tools

## Moving beyond flawed simple payback

- Focus on simple payback is flawed, ignores expected life of the new equipment
- Important to include NPV and IRR:
  - Avoids unexpected future operating cost overruns
  - Puts project in context of other investments
  - Supports ongoing shift to lifecycle costing and asset management
  - Enhances credibility with financial and other decision makers

# Energy Planning Tool (EPT) Demo



<http://www.las.on.ca/Services/Energy-Planning-Tool.aspx>

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# EPT Allows for Multiple Users

Stable Pricing and Great Value

Web-based software

No limit on number of municipal staff users (email Taun for new user)

Annual Subscription only \$250 per municipality



**EPT**  
*The Energy Planning Tool*

EPT – The Energy Planning Tool is a web-based application that allows Ontario municipalities to manage energy activities and projects, generate reports, and manage energy consuming assets.

Ensure compliance with the *Green Energy Act's* reporting regulations by using the EPT.



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# EPT Key Contacts

## Technical Issues

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## Regulatory Issues

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