



CITY OF YELLOWKNIFE

MINUTES

COMMUNITY ENERGY PLANNING COMMITTEE

November 6, 2014 at 3:00 p.m.

City Hall – Downstairs Boardroom

Minutes of a meeting held on Thursday, November 6, 2014 at 3:05 p.m. in the City Hall Lower Boardroom. The following Committee members were in attendance:

Chairperson: Councillor D. Wong,
L. Azzolini,
D. Everett,
A. Fowler,
J. Hazenberg,
K. Lange-Knox,
J. Pickett,
C. Scott,
J. Sparling,
D. Wohlgemuth, and
Mayor M. Heyck, ex officio.

The following committee members were absent:

K. Lailey, and
J. McEvoy.

The following people were in attendance as presenters:

V. Favre, Hydreka, and
S. Morgan, Pembina Institute.

The following people were in attendance as observers:

L. Kenney, GNWT and
D. Nightingale, GNWT.

The following members of Administration were also in attendance:

R. Gervais,
C. Bird, and
L. Dunsmore.

Call to Order

1. Councillor Wong called the meeting to order at 3:05 p.m.

Introductions

2. Roundtable introductions were made for the benefit of new members.



Disclosure of Pecuniary Interests

3. There were no disclosures of pecuniary interest.

Approval of Agenda

4. L. Azzolini moved,
J. Sparling seconded

That Committee approve the agenda as presented.

MOTION CARRIED UNANIMOUSLY

Presentation by Vincent Favre regarding Matchpoint Water Asset Management software

5. Mr. Favre outlined his company's case study of a small city in the U.S.A. where 30% of the water moving through its piping infrastructure was getting "lost" somewhere in the system, producing no revenue. Usually, water losses can be explained by a leak in the pipe itself or at its connections, inaccurate metering, or unauthorized, unmetered consumption (theft).

Mr. Favre introduced the four-point plan his company uses to help its clients control water distribution:

- assess the losses through a water audit analysis;
- undertake a pilot study to demonstrate the recommendations of the audit;
- system-wide intervention; and
- ongoing maintenance.

It would cost the City approximately \$20,000 to contract the company's consultant for a water audit analysis, to be done with the involvement of City staff. Committee noted that the City already has the equipment, technology and trained staff in place to do the necessary analysis, and does not need to hire a consultant.

Presentation by Shauna Morgan (Pembina Institute) on Innovative Funding Mechanisms for Energy Retrofits

6. Ms. Morgan noted that jurisdictions in other parts of Canada typically use Local Improvement Charges (LIC) to pay for large-scale energy retrofits, but that the CTVA currently does not permit that in the Northwest Territories. It would take only a small amendment to the wording of the Act to allow Yellowknife to use LICs. Ms. Morgan suggested that the City draft an implementation plan to lobby for legislative change, and quickly, because changing legislation is known to take a very long time.

A discussion regarding 2013-2014 CEP Implementation Report

7. There was no time for discussion, so Mr. Gervais shared the highlights of the report, and said he would email it to them for further review:
- Cumulative annual CEP savings were expected to reach more than \$650,000 in 2014.
 - Optimizations at the Multiplex, increased insulation and increased monitoring capacity of the Pool's pellet boiler reduced the amount of oil used in those facilities by 50,000 litres, which translates to a reduction of about 130 tonnes of CO₂.
 - Last winter was 10% colder than average, but the City's emissions were virtually unchanged compared to the previous year.
 - In the previous 12 months, the City received \$389,000 in energy efficiency funding from external sources (GNWT - Environment and Natural Resources, Government of Canada and Federation of Canadian Municipalities).



- Capital projects planned for 2015 (a total proposed investment of \$500,000) were forecasted to produce energy savings of \$190,250 (a total return on investment of 38%).
- The Centralized Boiler System, a 2016 Capital Project with an estimated cost of \$950,000, was forecasted to save \$321,800 in fuel, and reduce the city's emissions of CO₂ by 673 tonnes. This project will have a payback period of 5.46 years.

Next Meeting: TBD

Adjournment

8. The meeting was adjourned at 5:15 p.m.

MOTION CARRIED UNANIMOUSLY