



Intellimeter
CANADA INC.

1420 Bayly Street, Unit 14
Pickering, Ontario LIW 3R4
Tel (905) 839-9199
Fax (905) 839-9198
<http://www.intellimeter.on.ca>
Email: intellimeter@sympatico.ca

John Zych
Board Secretary
2300 Yonge Street, 26th Floor
Toronto, Ontario
M4P 1E4

November 18, 2004

Ref: RP-2004-0196

Dear Mr. Zych:

We have reviewed the proposed smart meter system.

Intellimeter Canada Inc. is an all Canadian Company and has adequate resources to provide automated meter readings for commercial, industrial, and residential buildings. The company has also perfected remote energy monitoring technology that is compatible with RF, Fiber Optic, PSTN, and BPL (Broad band Power Line).

The enclosed document focuses on the importance of Remote Meter Reading over Broadband Power Line, which falls under "Other Technologies" as referred in the Smart Meter Implementation Plan.

Thanks.

Sincerely,

Warren A. N. Beacom
President

Encl:

Nine copies (Hard Copy)
One electronic copy in PDF format

Comments on Smart Meter System
(RP-2004-0196)

**Remote Meter Reading (RMR) over
Broad Band Power Line**

Introduction:

Broadband Power Line (BPL) is the term coined by the FCC for new modems to deliver IP based services on electric power lines. BPL modems use silicon chips designed to send signals over electric power lines. There are two types of BPL-

- In-house BPL – used in home networking using electric outlets
- Access BPL - used to carry broadband traffic over medium voltage BPL modems

Easy Installation:

Our Power Line master units are small enough to fit anywhere. Standard interfaces ease the interconnection. They provide access rates up to 4.5 Mbps. Powerline adapters provide data throughput of up to 1.5 Mbps at considerably low cost. The system works with any OS supporting TCP/IP.

Security:

Data encryption on the transmission over the power line, integrated authentication, and VLAN technology ensure the security of the data. The integrated DHCP and FTP support automatic remote configuration of any size network.

Comments:

Considering the importance of BPL in creating competition with copper telephone line and cable, it should be recognized as a major communication media.