

---

## CITY OF KELOWNA

# MEMORANDUM

---

**Date:** May 12, 2004  
**File No.:** 5520-01

**To:** City Manager

**From:** Electrical Utility Manager

**Subject:** **Undergrounding of Wires – Rutland Rd (Hwy #33 to McIntosh)**

---

### **RECOMMENDATION:**

THAT Council approves a Complete Underground system rebuild to the Aquila electrical distribution lines running along Rutland Rd. N from Hwy #33 to McIntosh Rd. in a two staged process with stage one being completed in 2004 and stage two by mid-summer of 2005;

AND THAT Council approves a budget amendment to the 2004 Financial Plan in the amount of \$775,000.00 with funding coming from the Electrical Reserve Fund.

### **BACKGROUND:**

In 2002 Council approved an undergrounding of wires and cables strategy.

In February 2004 Aquila advised the City they would be rebuilding the O/H distribution lines running along Rutland Rd (Hwy 33 – Leathead Rd.). Due to large growth around the Orchard Park area and development out in the Sexsmith area, Aquila has advised that in order to meet summer peaks, load shifting at the Sexsmith Substation and Hollywood substation must occur as soon as possible. In order to complete the load shift the Rutland Rd. N rebuild must be done by mid-summer 2004.

City staff advised Aquila that given this was in a town centre, policy would require that undergrounding be considered.

On May 10, 2004 Council received a report from the Electrical Manager and requested the report be deferred until the Electrical Manager comes back to Council with a revised scope of the project. The new scope would indicate cost for a Complete Underground system that deals only with the major commercial area running along Rutland Rd from Highway #33 to McIntosh Rd. and not the original scope which ran from Highway #33 to Leathead Rd. An Overhead system for this portion would not be support by Council at this time.

Aquila under a two staged process would underground the entire distribution system running along Rutland Rd. N (Hwy #33- McIntosh). All civil work and the primary feeder cable would be installed underground as soon as possible in 2004. The second stage would entail land acquisition where needed to install transformer pads and or vaults on private property and other easements if needed. Aquila would then convert each commercial service to underground and tie them into the new underground primary feeder system. Once all customers are connected Aquila would then eliminate all overhead primary wires, wood poles, secondary spans etc.

To: City Manager  
Re: Under grounding Wires on Rutland Road

- 2 -

May 12, 2004

The estimated total cost of project is \$775,000.00

Cost to the City of Kelowna in 2004 = \$247,597.00,  
Cost to the City of Kelowna in 2005 = \$453,687.00,

Aquila's contribution from O/H equivalent - \$73,722.00

---

Rod Carle  
Electrical Manager

---

John Vos  
Director of Works & Utilities

cc: Development Engineering Manager  
Director of Planning and Development Services  
Director of Finance  
Financial Planning Manager