

Hydro One Project to Supply York Region

Update to December 1, 2004 Planning
Committee

Meeting with Local Distribution Companies

- LDC's confirmed need for additional power supply by winter of 2006/07.
- Load forecast information indicates York Region, north of Bloomington Road, at risk of service disruption unless there is re-enforcement of transmission facilities.
- South York Region will benefit from security of supply (redundancy).
- Local distribution systems not viable solutions.
- Power will serve broad area from Barrie, Alliston across York Region into Durham.

Review of Environmental Study Report

- **Hydro One is the proponent.**
- **Addresses the content of all of Regional Council's recommendations.**
- **Is intended to follow the processing steps set out in the Class EA document for Minor Transmission Facilities.**

Regional Council Resolution

- **Address the following action items prior to determining a preferred route:**
 - **Assess all possible routes including 400 series highways. ✓**
 - **Give greater consideration to economic, social and environmental impacts and less to costs. ✓**
 - **Undertake a detailed analysis with respect to Section 41 of the ORMC Plan, and provide an inventory and assessment of affected natural features.**
 - **Provide visual and economic impact. ✓**
 - **Provide information on EMF's ✓**
 - **Allow for Trail systems. ✓**
 - **Comply with Transport Canada Zoning Regulations. ✓**

Council Recommendation / ESR Response

1. Assess all possible routes and options

- Include the use of existing and proposed 400 series highway corridors
- Pursue corridors on rural lands
- Pursue undergrounding

- Hydro One evaluated 9 route alternatives, including using the 400, 404, and 427 corridors, a new corridor through rural lands, and other alternatives such as a local distribution system, HVDC, and local generation.

Council Recommendation / ESR Response

2. Give greater consideration to environmental, social and economic impacts on residential communities located in close proximity, and less consideration to cost.

- Steel poles instead of lattice towers
- Hydro One will consider undergrounding within urban areas.
- Hydro One is prepared to enter into negotiations with York Region provided cost sharing is based on local funding.

Council Recommendation / ESR Response

- 3. Hydro One undertake further detailed analysis with respect to Section 41 of the Oak Ridges Moraine for approval of an infrastructure project.
 - b. Complete a full assessment of natural features and wildlife corridors and functions that would potentially be affected by construction activities.
 - ESR provides a description of the area, designation, and feature on the Moraine impacted by project.
 - ESR indicates that a project specific Environmental Specification is prepared following EA and OEB approval. Final design plans show tower location, access roads, staging and specific areas requiring mitigation, restoration, or landscaping.

Council Recommendation/ESR Response

- f. Provide information on effects of EMF's,
 - Disclose EMF strength from 230 kV line,
 - Undertake health risk in relation to residential uses, schools & parks,
 - Identify mitigating measures to ensure public's exposure to EMF's will not increase.
- ESR provides info on EMF's. (Health Canada, World Health Organization, UK National Radiation Protection Board)
- *"Health Canada does not consider guidelines necessary because the scientific evidence is not strong enough to conclude that typical exposures cause health problems"*
- Use of steel poles reduce EMF levels at edge of Right-of-way

Next Steps

- **60 day commenting period, ends December 20, 2004, and there have been over 100 bump-up requests received by MOE as of November 29, 2004.**
- **The MOE as the approval authority has authority to evaluate the ESR.**
- **Approval of project required by Ontario Energy Board, subsequent to EA approval.**