FINAL TERMS OF REFERENCE
ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT

FOR THE PROPOSED

ALTALINK MANAGEMENT LTD.'S
GENESEE TO LANGDON 500 KV POWER LINE PROJECT

ISSUED BY: Alberta Environment

DATE: May 17, 2006

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1. INTRODUCTION

1.1 Purpose

The purpose of this document is to identify for the public and AltaLink Management Limited ("AltaLink"), the information required by provincial and federal government agencies for an Environmental Impact Assessment (EIA) report.

AltaLink will prepare and submit an EIA report that examines the environmental and socio-economic effects related to the construction, operation, maintenance and reclamation of the proposed 500kV transmission line from Genesee (west of Edmonton) to Lochend (northwest of Calgary) to Langdon (east of Calgary), referred to here after as the "Project".

1.2 Scope of the Environmental Impact Assessment Report

The EIA report shall be prepared in accordance with these Terms of Reference and requirements prescribed under the *Environmental Protection and Enhancement Act* (EPEA) and Regulations, the *Public Lands Act*, the *Hydro and Electric Energy Act* and any other legislation that may apply. It will form part of AltaLink's application to the Alberta Energy and Utilities Board (EUB) for approval under the *Hydro and Electric Energy Act*. The EIA report will:

a) assist the public and government in understanding the environmental and socio-economic consequences of the Project, AltaLink's development, operation and reclamation plans, and will assist AltaLink in its decision-making process;

b) address:
   - i) project impacts, including cumulative impacts;
   - ii) mitigation options;
   - iii) residual effects relevant to the assessment of the Project including, as appropriate, those related to other industrial operations. As appropriate for the various types of impacts, predictions should be presented in terms of direction, magnitude, frequency, duration, seasonal timing, reversibility, geographic extent and uncertainty;
   - iv) measures (established and potential improvements based on research and development) to:
     a. prevent or mitigate impacts;
     b. assist in the monitoring of environmental protection measures;

c) identify residual environmental impacts and their significance including cumulative and regional development considerations.

d) include tables that cross-reference the report (subsections) to the EIA Terms of Reference; and

e) include a glossary of terms to assist the reader in understanding the material presented.

1.3 Public Consultation

The preparation of the EIA report will include a public consultation program to assist with project scoping and issue identification and documentation of the results of these consultations (see Section 10). The public consultation program is to communicate with those members of the public and industry who may be affected by the Project and to provide them with an opportunity to participate in the Environmental Assessment process.

1.4 Proponent's Submission

AltaLink is responsible for the preparation of the EIA report and related applications. The submission will be based upon these final Terms of Reference and issues raised during the public consultation process.

2. PROJECT OVERVIEW AND INFORMATION REQUIREMENTS

a) Provide a corporate profile that outlines the corporation ownership structure including a brief history of AltaLink's role in the energy sector in Alberta and interest in this project.

b) Identify those accountable for the construction, operation and maintenance of existing and proposed transmission facilities related to this application.

c) Identify those accountable for the electricity that will travel through the transmission line.

2.1 Project Components

Provide a development plan and overview of the Project proposed for approval, including:

a) proposed alignment;

b) towers and footings; and

c) activities associated with development of the area.

2.2 The EIA Study Area

a) The EIA Study Area shall include the transmission right-of way (RoW) and associated infrastructure, as well as the spatial and temporal areas of individual environmental components outside the RoW boundaries where an effect can be reasonably expected. The EIA Study Area includes both Regional and Local Study Areas. Mapping will include:

   i) the legal land descriptions; and,

   ii) the proposed route in relation to existing topographic features, township grids, wetlands, watercourses, waterbodies, Range Improvement Agreements (RIA) and population centres.

b) Study Areas for the EIA report include the proposed route as well as other areas upon which, based on individual environmental components, an effect from the proposed development can reasonably be expected. For each study area, AltaLink will:

   i) define temporal and spatial boundaries for the Study Areas;

   ii) describe the rationale used to define Study Area boundaries, including those related to cumulative effects; and

   iii) provide maps of these areas, using appropriate scales.

2.3 Development Schedule

Provide a development schedule outlining the proposed phasing, sequencing and duration of components, including:

a) pre-construction (EIA field work, survey work, clearing and site preparation);
b) construction (establish footings, assemble and erect towers, tension stringing of conductors etc.);
c) operation and maintenance (vegetation management on the RoW, facility repair/replacement etc.);
d) reclamation and closure; and
e) the key factors controlling the schedule and uncertainties.

2.4 Regulatory and Planning Framework

a) Identify the federal and provincial legislation, municipal by-laws, and current multi-stakeholder planning initiatives applicable to the review of the Project.
b) List the major components of the Project that will be applied for and constructed under the *EPEA*, *Public Lands Act*, and the *Hydro and Electric Energy Act*, *Fisheries Act (Canada) and Navigable Waters Protection Act* and describe the schedule and mechanisms AltaLink will engage to comply with these regulatory processes.
c) Discuss the primary focus of each regulatory requirement, such as, environmental protection, land use development and the elements of the Project that are subject to that regulation.
d) Discuss any regulatory systems that apply to the Project such as wildlife management areas, forest management areas or watershed protection areas.
e) Provide a summary of the regional, provincial or national objectives, standards or guidelines that have been used in the classification and evaluation of the importance of effects.

2.5 EIA Summary

a) Provide a summary of the EIA report, addressing:
    i) environmental and land use conditions in the EIA Study Area without the Project, including existing use of lands, resources and other activities which have the potential to affect the environment;
    ii) the Project activities, components and development activities which are anticipated to influence environmental and land use conditions;
    iii) the anticipated environmental effects, with emphasis on regional and cumulative considerations;
    iv) proposed environmental protection plans, mitigation measures, monitoring and management plans; and
    v) any project-related residual effects, their contribution to regional cumulative effects, and their implications for the future management of regional cumulative effects.

b) List and discuss key environmental issues and issues which are important for the achievement of sustainable environmental and resource management that were identified during the preparation of the EIA report and public consultation. Differentiate between emerging issues (with ongoing uncertainties), issues with quantifiable and significant environmental effects, and issues that can be resolved through available technology and existing management approaches.

c) Identify the environmental and social and land use impacts of the Project including the regional, temporal, and cumulative effects. Where possible, predictions are to be quantified. Include suitable maps, charts and other illustrations to identify the components of the Project, the existing conditions, and the environmental, social and land use implications of the development.

3. PROJECT DETAILS

3.1 Project Description and Management Plans

Describe the overall Project components involved to construct, operate and maintain the Project. Introduce the potential effects that activities and facilities may have on the environment and the natural resources affected by the Project. Outline the management plans to minimize environmental effects.

The scope and detail of the project description information shall be sufficient to allow quantitative assessment of the environmental consequences wherever possible. If the scope of information varies among components or phases of the Project, AltaLink shall provide a rationale demonstrating that the information is sufficient for EIA purposes, and identify how information gaps will be addressed. Information required for this section may be provided in other parts of AltaLink's submission(s) provided that the location of the information is referenced in the EIA report. AltaLink should ensure consistency in the information provided, whenever it is discussed in more than one section of the submission.

3.2 Project Need and Alternatives Considered

Discuss the Need for this Project. Include a discussion of the EUB Needs Approval Decision. Discuss the following, including

a) the alternative routes that were considered for this project including:
   i. an evaluation of route options from Genesee to Lochend to Langdon; include a comparison of their environmental, socio-economic impacts and technical performance potential and other relevant variables;
b) the options evaluated for the type of power pole structures;
c) the feasibility of using underground power lines in high density areas;
d) contingency plans if methods prove to not be feasible or do not perform as expected;
e) the implications of a delay in proceeding with the Project, or any phase of the Project; and
f) the implications of not proceeding with the project.

3.3 Project Components, Site Selection And Development Sequencing

a) Describe the nature, size, design capacity, location and duration of the components of the Project including, but not limited to, the following:
   i) additional right-of-way area required for the Project;
   ii) buildings and infrastructure;
   iii) possible access routes; and,
   iv) temporary water crossing structures, if required.

b) Discuss the route selection process including the rationale for selecting the proposed route and facility sites and how stakeholder consultation input, and technical and environmental criteria were considered in decision-making.

c) Provide the maps showing:
   i) the location of existing and proposed transmission facilities and infrastructure related to the Project;
   ii) all existing RoWs and clearings that will be used for the Project;
   iii) all existing linear corridors (e.g. pipeline, utility corridors, and roadways) in the EIA Study Areas; and
   iv) the locations of Project components relative to terrestrial components including, soils, topography, waterbodies, vegetation, wildlife habitat, watersheds and wetlands and Crown lands.

d) Include a development schedule, explaining:
   i) timing of key construction, operational, maintenance and decommissioning activities;
   ii) the expected duration of each development phase; and,
   iii) key factors controlling the schedule and uncertainties related to the Project.

3.4 Access and Transportation

a) Discuss the possible access routes that will be required for the Project during pre-construction, construction, operation and maintenance of the transmission lines including travel to and on the RoW; describe any associated infrastructure requirements including:
   i) how public access to, or within the Project Area will be managed during the development phases of the Project;
   ii) consultations with the local transportation authorities;

b) Identify any potential river and stream crossings and discuss the proposed water crossing plan to obtain access to the opposite side of a river or stream. Discuss the adequacy of water crossing plans with respect to protection of water quality, fish and fish habitat.

c) Identify any expected changes and impacts in traffic volume and cumulative impacts on the transportation network, including any secondary highways leading to project areas; and

d) Plans to minimize impacts on area residents.

3.5 Environmental Management System and Contingency Plans

Summarize key elements of AltaLink's environment management system and discuss how it will be integrated into the Project. Provide the following information:

a) summary of pertinent corporate policies and procedures, training, environmental incident reporting, monitoring procedures and emergency response plans;
b) a conceptual contingency plan that considers environmental effects associated with any structural failures (lines or towers), or accidents;
c) discuss spill response contingency plans as appropriate to address potential spills associated with vehicle access;
d) the procedures specified in the emergency response plan to deal with potential negative effects and public communication procedures;
e) pertinent quality assurance and quality control (QA-QC) programs or environmental audits AltaLink plans to implement to ensure the ongoing operation of environmental management systems to meet regulatory standards and how their QA-QC program compares to industry best management practice; and
f) environmental monitoring done independently by AltaLink and outline AltaLink's commitment to adaptive environmental management.

3.6 Land Use, Access To Public Lands and Resource Conservation

Describe land use, access to public lands and impacts to resources in the Study Areas. Explain the significance of land use changes for regional land management including other industrial uses in the region and recreational uses. Provide information on land uses and seasonal variations. Discuss the following:

a) the selection criteria used to determine the Study Areas, including information sources and assessment methods;
b) unique sites or special features in the Study Areas, such as Natural Areas or Environmentally Significant Areas. Discuss any impacts of the Project on these features. Indicate the locations and values of other protected areas, if present;
c) the existing land uses, including residential, commercial, agriculture and agri-business, oil and gas development, forestry, hunting, fishing, trapping, aggregate extraction, and outdoor recreation, including a discussion of any land use concerns raised by stakeholders in the Study Areas;
d) how much of the proposed route is located on private agricultural land and/or Crown land used for grazing;
e) how access by the public and AltaLink employees and contractors will be managed;
f) the nature, location and duration of anticipated land use changes;
g) the land use, resource management, planning and applicable directives as they relate to the Project;
h) the process for addressing other landowners and users such as farmers and ranchers. Determine the impact of development on these uses and identify possible mitigation strategies; and

i) where the Project crosses Crown Lands, the effects on First Nations and Metis use of lands and resources for traditional purposes.

3.7 Reclamation and Closure

a) Provide a conceptual reclamation and tower-decommissioning plan.
b) Outline end land use objectives (regulatory requirements and stakeholder preferences) and reclamation methods (soil conservation, terrain modelling, revegetation, water management).

4. ENVIRONMENTAL ASSESSMENT

Define assessment scenarios including:

a) a Baseline Case, which includes existing environmental conditions, existing and approved projects or land use activities within the study area;
b) an Application Case, which includes the Baseline Case plus the Project; and
c) a Cumulative Effects Assessment (CEA) Case, which includes past studies, existing and anticipated future environmental conditions, existing and approved projects or activities, plus other planned projects or activities.

For the Application and CEA cases; potential environmental impacts must be assessed for construction, operation and maintenance phases for the project.

Note: For the purposes of defining assessment scenarios, “approved” means approved by any federal, provincial or municipal regulatory authority. “Planned” is considered any project or activity that has been publicly disclosed prior to the issuance of the terms of reference or up to six months prior to the submission of the Project Application and EIA report, whichever is submitted sooner.

4.1 Basic Information Requirements for the Environmental Assessment

The EIA report will include the following basic environmental information for the three assessment scenarios:

a) quantitative and qualitative information about the social land use, environmental and ecological attributes and processes in the Study Areas, and an overview of range of variability, trends or uncertainties arising from that review;
b) a description of any deficiencies or limitations in the existing environmental information, how these deficiencies and/or limitations were addressed, their impact on the analysis and any appropriate follow-up;
c) information about the human activities in the Study Areas and the nature, size, location and duration of their potential interactions with the environment; e.g., land disturbance, discharges of substances, changes to access status and any significant effect the Project may have on the present and future capacity of renewable resources;

d) information about ecological processes and natural forces that are expected to produce changes in environmental conditions, (e.g., forest fires, flood or drought conditions, species migrations and predator-prey population cycles) outside of proposed Project activities;
e) definition of the system employed to classify and evaluate the effects associated with the Project. The classification system will include qualitative and quantitative descriptions of the effects, and as appropriate, will have regard for direction, magnitude, frequency, duration, seasonal timing, reversibility, geographic extent and uncertainty. The evaluation system will rank the consequences of the effects measured quantitatively against management objectives or baseline conditions, and describe qualitatively with respect to the views of the proponent and stakeholders;
f) management plans to prevent, minimize or mitigate adverse effects and to monitor and respond to expected or unanticipated conditions, including any follow-up plans to verify the accuracy of predictions or determine the effectiveness of mitigation plans. Provide a record of all assumptions, confidence in data to support conclusions regarding reclamation and mitigation success; and,
g) a discussion of residual effects and their environmental consequences.

4.2 Study Areas

For each of the environmental components considered in the EIA, define and provide the rationale for the spatial and temporal boundaries for the Study Areas as outlined in Section 2.2. The spatial boundaries shall include all areas where measurable changes in the environment may be caused by the Project regardless of any political boundaries. Temporal boundaries should extend through the construction, operation and reclamation and closure phases of the Project.

Provide maps of suitable scale that include legal land descriptions, topographical and other natural features of the proposed RoWs and EIA Study Areas.

4.3 Modelling

Document any assumptions used to obtain modelling predictions submitted as part of the EIA report. Clearly identify the limitations of the model(s) including sources of error and relative accuracy.

4.4 Cumulative Environmental Effects Assessment

Assess and discuss the cumulative environmental effects that are likely to result from the Project in combination with other existing, approved and planned projects in the region that could reasonably be considered to have a combined effect. Include industrial projects, as well as activities associated with land use and infrastructure and projected population growth.

Explain the approach and methods used to identify and assess cumulative impacts, including cooperative opportunities and initiatives undertaken to further the collective understanding of cumulative impacts.

4.5 Air Quality and Noise

a) Describe the potential of the Project to affect air quality in the Study Area.
b) In general terms discuss the significance and potential impact of the project to effect Green House Gas emissions.
c) Describe baseline noise levels and identify components of the Project that will affect noise levels and baseline noise levels. Outline the results of a noise assessment based on operations, as specified by EUB ID 99-08, Noise Control Directive, including potentially affected people and wildlife. Provide an estimate of the noise resulting from the development, their implications and proposed mitigation measures.

4.6 Terrestrial

4.6.1 Soils and Terrain

Describe soils and terrain in the Study Areas. Specifically:

a) discuss the selection criteria used to determine the Study Areas, including information sources and assessment methods;
b) discuss the distribution of soil types in the proposed Project areas;
c) the discussion on soils will include necessary landscape and soil characteristics for land capability rating;
d) discuss the sensitivity of the local and regional soil types to potential disturbance, erosion and compaction from the proposed development. Where appropriate, provide this information on project mapping;
e) provide an inventory of the pre and post disturbance land capability classes for soils in the study area and describe impacts to land capability due to the Project. Suggest ways in which surface disturbance can be minimized;
f) identify all Project activities with the potential to affect soils;
g) describe the potential impacts to soils arising from the Project activities;
h) describe measures to be implemented to avoid and minimize the potential impacts to soils; and
i) provide an outline on the most appropriate soil handling techniques by soil type including disposal of subsoil excavated during construction.

4.6.2 Vegetation

Describe and map vegetation communities in the EIA Study Areas. Discuss:

a) the selection criteria used to determine the Study Areas, including information sources and assessment methods;
b) vegetation classes at the landscape level. These classes will be based on the Central Parkland Native Vegetation Inventory (CPNVI). For areas that are not covered in the CPNVI additional data, compatible with the CPNVI shall be created. At the landscape level identify:

i) distribution of native vegetation and potential changes resulting from the project;
ii) diversity of native vegetation and potential changes resulting from the Project including fragmentation, edge effects and patch size distribution.

c) sensitive native vegetation ecosystems. Use appropriate classification systems, which may include:
i) Field Guide to Ecosites of Northern Alberta (Beckingham and Archibald 1996)
ii) Field Guide to Ecosites of West Central Alberta (Beckingham *et al.* 1996)
iii) Preliminary Classification System for the Central Parkland Natural Subregion (Thompson and Hensen 2003) and
iv) Riparian Classification for the Grassland Natural Region (Thompson and Hansen 2002)

d) sensitivities to disturbance of each vegetation and wetland communities in the Study Area, their ability to be restored and the techniques used to estimate sensitivity to disturbance and reclamation;

e) the availability and quality of plants that have been identified by aboriginal groups as being used for traditional food, medicinal and other cultural purposes on Crown lands along the proposed RoW;

f) vegetation communities which are important to wildlife as food or shelter; include an estimation of the relative abundance of these species;

g) special status plant species (rare, threatened or endangered) and vegetation community; verify the potential for species of rare plants and the vegetation classes in which they are found using recommended survey methods;

h) ecosystem fragmentation;

i) identify rare plant species and communities, with respect to their potential to occur within the study areas, as well as existing occurrences.

j) discuss known rare plant occurrences and the potential effects the project may have on rare plants as listed by the Alberta Natural Heritage Information Centre (ANHIC);

k) describe habitat and rarity of known species and community occurrences identified as being potentially affected by the Project

l) methods to mitigate the adverse effects of construction activities and operation and maintenance activities on the vegetation, including rare plant species

m) qualitatively describe weed species and potential for introduction and re-distribution within the study areas and adjacent land. Outline methods for mitigation; and

n) who will be responsible for the weed control and discuss mitigation strategies to reduce the potential for overuse of herbicides, with emphasis of locations near waterbodies.

4.6.3 Wildlife

Describe existing wildlife resources in the study area (including mammals, birds, amphibians and reptiles), and their use and potential use of habitats in the Study Areas. Specifically:

a) discuss the selection criteria used to determine the Study Areas, including information sources and assessment methods;
b) identify key indicator species and provide rationale and selection criteria;
c) for wildlife groups and key wildlife species, outline federal and provincial status, species composition and distributions in the Study Areas, relative abundance, important seasonal habitat requirements and their locations within the study areas, seasonal movements and movement corridors and general life history;
d) discuss current field data for key wildlife species, using recognized sampling protocol (such as *Sensitive Species Inventory Guidelines*, ASRD 2005 draft), including those listed by Alberta (at risk, may be at risk, and sensitive listed species in the *General Status of Alberta Wild Species 2000*), Committee on the Status of Endangered Wildlife in Canada (COSEWIC) and federal *Species at Risk Act* (endangered, threatened and special concern species) and important traditional use species;
e) identify composition, distribution, relative abundance, habitat requirements, key habitat areas, seasonal movements and movement corridors, and general life history requirements for indicator species;
f) document the anticipated changes to wildlife in the Study Areas as a result of the Project and highlight areas along the RoW where impacts to wildlife may occur;
g) assess the effects on identified wildlife groups and key wildlife species in the Study Areas, including the potential adverse impacts on wildlife populations; habitat use, availability and quality; and food supply during all phases of the Project due to habitat loss or alteration (including spatial and temporal changes), disturbance, impacts on movements and/or movement habitats, and direct or indirectly caused project-related wildlife mortalities. More specifically discuss:
    i) potential changes to wildlife groups and key wildlife species' distributions and relative abundance in the study areas;
    ii) the spatial and temporal changes to habitat and to wildlife indicator species distribution, relative abundance,

movements, habitat availability and population conditions, including:

a. effects should include consideration of anticipated effects on wildlife hunting pressure during operations and maintenance of facilities.
b. obstructions to daily or seasonal movements, including impacts on migratory birds.
c. effects on wildlife due to improved or altered access into the area, wildlife/structure collisions and noise effects during operations and maintenance of facilities.

h) describe measures and techniques to mitigate impacts on wildlife. Classify and discuss residual effects on wildlife, including description of impact classification methods and rationale;
i) discuss the Project's contribution to regional cumulative effects where immitigable effects may lead to changes in distributions or abundance of wildlife groups of key wildlife species;
j) discuss the changes in habitat fragmentation, and the potential for habitat patch isolation, from the Project and other planned activities on a local and regional level; and
k) discuss future monitoring, follow-up and habitat enhancement measures that may be implemented to minimize adverse effects on wildlife, if applicable.

4.6.4 Biodiversity

a) Describe the potential of the Project to affect biodiversity in the Study Areas.
b) Discuss the methodology employed as the basis for any conclusions and assumptions made with respect to potential effects on biodiversity.

4.7 Water Resources

4.7.1 Groundwater

a) Describe potential for the Project to affect groundwater; and
b) Outline methods to mitigate potential adverse effects.

4.7.2 Surface Water and Aquatic Resources

a) Describe the potential for the Project to affect surface water resources and water quality.
b) Outline appropriate measures to mitigate the potential to create adverse effects to water quality, including applicable guidelines and management objectives.
c) Provide details on the number, location, size and type of waterbodies (including, but not limited to ephemeral and permanent waterbodies, wetlands, streams, rivers, ponds and lakes)

transacted by the proposed route. Identify any fish bearing waterbodies.

d) For wetlands affected by the Project, describe how wetland function will be altered.

e) Describe any proposed watercourse crossings and temporary vehicle crossing methods, including timing, duration, structure and equipment setback distances, and potential impacts to water quality and riparian habitat.

f) Describe mitigation and enhancement measures employed to prevent or minimize adverse effects from the deposit of sediment and deleterious substances and discuss whether the mitigation measures meet the objectives of the Federal Policy on Wetland Conservation.

g) Describe the potential for the Project to affect fish or fish habitat. Outline methods to mitigate potential adverse effects.

h) Discuss the potential for increased fishing pressure and the potential impacts that could result from increased use of the area and increased access to the area;

i) Discuss whether the project will comply with the County of Wetaskiwin's bylaw to retain tree cover in the area around Battle Lake.

5. ENVIRONMENTAL MONITORING

Describe environmental monitoring and reporting that AltaLink will undertake to verify and manage environmental impacts, confirm performance of mitigative measures and improve environmental protection strategies to further the understanding of the Project impact on the environment.

6. PUBLIC HEALTH AND SAFETY

Describe those aspects of the Project that may have implications for public health including electric magnetic fields (EMF). Describe if there may be implications for public health arising from the Project. Specifically:

a) identify and discuss the data and methods AltaLink used to assess impacts of the Project on human health and safety;

b) identify and discuss the potential health implications of EMF from the transmission line on the environment and human health. Provide a review of current information (2000 - 2005) related to EMF;

c) identify and discuss the potential health and safety implications of induced electrostatic voltage from the transmission lines and identify possible mitigation strategies;

d) assess the potential health implications of the compounds that will be released into the environment from the proposed operation in relation to exposure limits established to prevent acute and chronic adverse effects on human health;

e) discuss the potential to increase human exposure to contaminants from changes to water quality, air quality and soil quality taking into consideration all Project activities;

f) during consultation on the Project, document any health concerns identified by Aboriginal stakeholders due to the impacts of existing industrial development and of the Project specifically on their traditional lifestyle. Determine the impact of the Project on the health of Aboriginal stakeholders and identify possible mitigation strategies;

g) identify potential health and safety impacts, including those related to natural events (fire, extreme winds, tornados), tower failures;

h) document health and safety concerns raised by stakeholders during consultation on the Project;

i) provide a summary of existing agreements with area municipalities or industry groups such as safety co-operatives, emergency response associations and municipal emergency response agencies;

j) provide a summary of AltaLink's emergency response plan and mitigation plans to ensure workforce and public safety during construction, operation and maintenance of the Project. Include prevention and safety measures for wildfire occurrences, accidental release or spill of chemicals to the environment and failures of structures retaining water or fluid wastes; and

k) describe how local residents will be contacted during an emergency and the type of information that will be communicated to them.

7. HISTORICAL RESOURCES

Provide details of the consultation with Alberta Community Development and Aboriginal communities with respect to Historical Resources. Include the Historical Resource Overview (HRO) for the Project, and;

a) Provide a general overview of the results of any previous historical resource studies that have been conducted in the Study Area, including archaeological resources, palaeontological resources, historic period sites, and any other historical resources as defined within the *Historical Resources Act*.

b) Provide a summary of the results of the Historical Resources Overview that is carried out with respect to the Project. The Historical Resources Overview must encompass all Project development and impact areas within the boundaries of the Project.

c) Provide an outline of the Historical Resources Impact Assessment (HRIA) and historical resources management program and schedule of field investigations that may be required to further mitigate the potential effects of the Project on historical resources.

8. TRADITIONAL LAND USE

Provide detail on the consultation undertaken with Aboriginal communities with respect to traditional ecological knowledge and traditional land use:

a) Document any concerns of local Aboriginal peoples relative to Project impacts on traditional land uses;

b) Determine the Project impact of the proposed development on traditional land uses; and

c) Identify possible mitigation strategies developed in consultation with affected Aboriginal peoples.

9. SOCIAL AND LAND USE

Provide information on the social and cultural aspects of the Project during the construction, operation and maintenance periods within the context that the need for this Project has been approved by the EUB. Discuss the following:

a) the social baseline for the communities in the vicinity of the project, including:
   i) transportation;
   ii) accommodation;
   iii) health services;
   iv) protective services; and
   v) social / cultural events

b) impact on community services and infrastructure, including emergency response / health services that are likely to be affected during the construction and operation of the Project;

c) the total number of jobs to be created along with a description of when peak construction activity periods will occur;

d) AltaLink's plans with respect to local procurement and hiring and methods of publicizing jobs and contract opportunities; and

e) planning strategies to avoid, minimize or mitigate potential impacts on communities in the vicinity of the Project.

10. PUBLIC CONSULTATION

a) The EIA report will document the public consultation process, record any concerns or suggestions made by the public and will demonstrate how these concerns have been addressed. Consultation will include discussions with, but not limited to, the following stakeholders:
   i) stakeholders with an interest in the land that is within 0.8km of the proposed route;
   ii) recognized land users of the Study Areas;
   iii) commercial, industrial, recreational, traditional users and environmental groups who may be affected by the Project;
   iv) stakeholders with Range Improvement Agreements (RIA) along the proposed routing;
   v) First Nations and Métis organizations; and
   vi) Federal and Alberta governments and Alberta local municipalities.

b) Describe and document the public consultation program implemented for the Project including methods, the type of information provided, the level and nature of AltaLink's response, and provide the following:
   i) describe the consultative process and show how public input was obtained and addressed;
   ii) record any concerns, issues, suggestions and opportunities raised by the public, AltaLink's analysis of those concerns and demonstrate how these concerns have been addressed;
   iii) how the concerns and issues identified by AltaLink and stakeholders influenced the Project development, design, impact mitigation and monitoring, or how it was addressed or discounted;

iv) the type of information provided and the significant issues discussed, including those that have been resolved and those that remain outstanding;

v) in consideration of unresolved issues, the key alternatives which have been identified by AltaLink and stakeholders for future consultations as well as mechanisms and timelines for that resolution; and

vi) describe plans to maintain the public consultation process following completion of the EIA review to ensure that the public will have an appropriate forum for expressing their views on the ongoing development, operation and reclamation of the Project.