

## CHECKLIST ENVIRONMENTAL ASSESSMENT

<b>Project Name:</b>	<b>Montana Alberta Tie LTD. (MATL) Marias North – Transmission line Installation Land Use License / Easement</b>
<b>Proposed Implementation Date:</b>	August 1, 2010
<b>Proponent:</b>	Montana Alberta Tie LTD Rocky Mountain Plaza Suite 800 615 Macleod Trail SE, Calgary, Alberta T2G4T8
<b>Location:</b>	Several - See the below list
<b>County:</b>	Glacier

### I. TYPE AND PURPOSE OF ACTION

MATL has applied for a Land Use License to install an overhead 230 KV transmission line. This application is a part of proposed electrical transmission line between Great Falls Montana and Lethbridge Alberta. The applicant has applied to cross 3 parcels of state land. The proponent will submit final easement applications and as-built surveys for all state lands crossed after the transmission line has been installed. The below table includes the legal descriptions of the 3 tracts proposed to be crossed, length, lease number and lessee of record.

<u>Parcel</u>	<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>Qtr</u>	<u>Line Length</u>	<u>LEASE</u>	<u>LESSEE</u>
096GL011	32N	5W	16	All	5872.44'	4959	Richard Bundy
116GL060	35N	5W	16	All	5020.65'	7170	Ray Michaels
128GL084	37N	5W	36	All	5656.1	7727 10563	Kelly Hartwell Denis Fitzpatrick

An Environmental Impact Statement (EIS) was completed for this proposed project by the Montana Department of Environmental Quality (DEQ) and US Department of Energy (DOE). The final EIS, Record of Decision (ROD), and other permit information can be found at the following websites:

- <http://deq.mt.gov/MFS/MATL.mcp>
- [www.gc.enerby.gov/NEPA](http://www.gc.enerby.gov/NEPA)
- <http://www.gpoaccess.gov/fr/>

DNRC was a cooperating agency for the EIS process and will be tiering off the final EIS for MEPA compliance. DNRC is also providing additional site specific information in this EA checklist as it pertains to proposed State Land crossings.

### II. PROJECT DEVELOPMENT

**1. PUBLIC INVOLVEMENT, AGENCIES, GROUPS OR INDIVIDUALS CONTACTED:**

*Provide a brief chronology of the scoping and ongoing involvement for this project.*

- Department of Natural Resources and Conservation (DNRC)
- Department of Environmental Quality (DEQ)
- US Department of Energy (DOE)
- AMEC Earth and Environmental

---

**2. OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION, LIST OF PERMITS NEEDED:**

Montana DEQ - Major Facilities Siting Act – Issued Oct 22, 2008

US Department of Energy – Presidential Permit issued –Docket no.pp-305 Federal Register Volume 73, No 222, November 17, 2008

---

**3. ALTERNATIVES CONSIDERED:**

**Alternative A (No Action)** – DNRC does not issue the proposed Land Use License.

**Alternative B (the Proposed action)** – DNRC issues the proposed Land Use License.

III. IMPACTS ON THE PHYSICAL ENVIRONMENT
<ul style="list-style-type: none"><li>• <i>RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.</i></li><li>• <i>Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.</i></li><li>• <i>Enter "NONE" if no impacts are identified or the resource is not present.</i></li></ul>



---

**4. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE:**

*Consider the presence of fragile, compactable or unstable soils. Identify unusual geologic features. Specify any special reclamation considerations. Identify any cumulative impacts to soils.*

Soils are suitable for transmission line construction and installation. Soil textures vary from silty to clay within the project area. There are no fragile or unstable soils present in the area of the proposed area. Topography is relatively flat throughout the project area. All disturbed areas will be re-contoured and returned to the appropriate land use (agriculture, CRP, or grazing land) following installation.

No long term or cumulative impacts to soil erosion and /or other soil resources are expected.

---

**5. WATER QUALITY, QUANTITY AND DISTRIBUTION:**

*Identify important surface or groundwater resources. Consider the potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality. Identify cumulative effects to water resources.*

No important surface or groundwater resources will be impacted by the proposed activity. No cumulative effects to the water resources are anticipated.

---

**6. AIR QUALITY:**

*What pollutants or particulate would be produced? Identify air quality regulations or zones (e.g. Class I air shed) the project would influence. Identify cumulative effects to air quality.*

No effects to air quality will occur. No cumulative effects to air quality are anticipated

---

**7. VEGETATION COVER, QUANTITY AND QUALITY:**

*What changes would the action cause to vegetative communities? Consider rare plants or cover types that would be affected. Identify cumulative effects to vegetation.*

There are no rare plants or cover types present in the project area. Current land use in the project area is a mixture of grazing land and CRP (tame grass species). The tables below describe the existing vegetation (land use) on each tract, distance, and acres potentially impacted by the proposed transmission line.

<u>Parcel</u>	<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>Qtr</u>	<u>Line Length</u>	<u>LEASE</u>	<u>LAND USE</u>
096GL011	32N	5W	16	All	5872.44'	4959	Grazing Land
116GL060	35N	5W	16	All	5020.65'	7170	Grazing Land
128GL084	37N	5W	36	All	5656.1	7727 10563	W <sup>1</sup> / <sub>2</sub> CRP E <sup>1</sup> / <sub>2</sub> Grazing Land

Land Use	Distance (Feet) Crossed	Acres (base on 105 feet wide)
Grazing Land – Native	13,614	34.84
Ag Land (Crop Land)	0	0
CRP	2,935	7.05
TOTAL	16,549	41.89

Temporary disturbances along the transmission line route will occur from pole installation and the manipulation of vehicles and heavy equipment on the surface. All disturbed areas will be recontoured and reclaimed to pre-existing conditions following transmission line installation. Grazing land will be reseeded with noxious weed seed free native seed. CRP will be reseeded with the appropriate species according to FSA and NRCS specifications.

Noxious weeds along the transmission line route will be the responsibility of MATL and has a plan to impediment on the ground weed control along the route.

No long term impacts to the existing vegetation are expected.

---

## 8. TERRESTRIAL, AVIAN AND AQUATIC LIFE AND HABITATS:

*Consider substantial habitat values and use of the area by wildlife, birds or fish. Identify cumulative effects to fish and wildlife.*

The tract proposed to cross are not considered critical wildlife habitat. However, these tracts provide habitat for a variety of big game species (mule deer, whitetail deer, pronghorn antelope), predators (coyote, fox, badger), upland game birds (sharp tail grouse, Hungarian partridge), other non-game mammals, raptors and various songbirds. Temporary displacement of wildlife during construction is likely to occur. However, the proposed action does not include any land use change which would yield significant changes to the wildlife habitat. The proposed action will not impact wildlife forage, cover, or traveling corridors. Nor will this action change the juxtaposition of wildlife forage, water, or hiding and thermal cover. There are no unique or critical wildlife habitats associated with the state tracts and do not expect direct or cumulative wildlife impacts would occur as a result of implementing the proposal. The proposed action will not have long-term negative effects on existing wildlife species and/or wildlife habitat because of its relatively small scale.

---

## 9. UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES:

*Consider any federally listed threatened or endangered species or habitat identified in the project area. Determine effects to wetlands. Consider Sensitive Species or Species of special concern. Identify cumulative effects to these species and their habitat.*

No specific on-site observations of Threatened or Endangered species have been recorded and no important habitat has been identified on the state lands. The proposal does not include any activities which would alter

any habitat, so no effects are expected. No threatened or endangered species are known to exist in this area. No wetlands or riparian areas will be impacted by pole or the transmission line in general.

---

**10. HISTORICAL AND ARCHAEOLOGICAL SITES:**

*Identify and determine effects to historical, archaeological or paleontological resources.*

A field inspection of the proposed route was completed on June 15, 2010 by Erik Eneboe and no archaeological features were identified. A class III Cultural Resource Inventory, dated May 28, 2010, authored by David Ferguson of GCM Services Inc. was completed for this project. Three (3) archaeological sites were identified on state land in Sec 16, T35N R5W. All cultural sites will be avoided along the entire length of the project by at least 100 feet. Sites will be marked with orange fencing prior to construction to ensure avoidance. Patrick Rennie, DNRC Archeologist, has been notified of the proposed project, and has a copy of the Cultural Resource Inventory. .

No historical, cultural or paleontological artifacts or resources will be impacted as a result of this project.

---

**11. AESTHETICS:**

*Determine if the project is located on a prominent topographic feature, or may be visible from populated or scenic areas. What level of noise, light or visual change would be produced? Identify cumulative effects to aesthetics.*

The state land does not provide any unique scenic qualities not also provided on adjacent private lands. The transmission line will be above ground and will change the overall aesthetics character of the landscape.

---

**12. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY:**

*Determine the amount of limited resources the project would require. Identify other activities nearby that the project would affect. Identify cumulative effects to environmental resources.*

No demands on limited resources are required for this project.

No direct or cumulative effects to environmental resources are anticipated.

---

**13. OTHER ENVIRONMENTAL DOCUMENTS PERTINENT TO THE AREA:**

*List other studies, plans or projects on this tract. Determine cumulative impacts likely to occur as a result of current private, state or federal actions in the analysis area, and from future proposed state actions in the analysis area that are under MEPA review (scoped) or permitting review by any state agency.*

The MATL transmission line project has had extensive environmental review (EIS) and public comment facilitated by the Montana DEQ and the DOE. The DOE record of decision (ROD) to issue a Presidential Permit is published in the federal register Volume 73, No. 222 Monday November 17, 2008 or at <http://www.gpoaccess.gov/fr/>. The DOE final EIS and the ROD is available at: [www.gc.enerby.gov/NEPA](http://www.gc.enerby.gov/NEPA) . The DEQ ROD, Findings Necessary of Certification and Certification Determination for the Major Facility Siting Act, and final EIS are published at: <http://deg.mt.gov/MFS/MATL.mcp.x>.

IV. IMPACTS ON THE HUMAN POPULATION
<ul style="list-style-type: none"><li>• <i>RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.</i></li><li>• <i>Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.</i></li><li>• <i>Enter "NONE" if no impacts are identified or the resource is not present.</i></li></ul>



---

**14. HUMAN HEALTH AND SAFETY:**

*Identify any health and safety risks posed by the project.*

No impacts on human health or safety are expected.

---

**15. INDUSTRIAL, COMMERCIAL AND AGRICULTURE ACTIVITIES AND PRODUCTION:**

*Identify how the project would add to or alter these activities.*

The proposed project will provide an electric transmission line between Lethbridge Alberta and Great Falls, Montana. This will allow for electricity generated from existing and proposed wind power generation to enter the grid. This will benefit area industry. The installation of the transmission line may cause small scale and temporary damage to grazing lands and CRP, but will not greatly impact surface use in the long term. The proponent has developed a surface damages payment process to compensate surface lessees and the DRNC for damages cause form line construction.

---

**16. QUANTITY AND DISTRIBUTION OF EMPLOYMENT:**

*Estimate the number of jobs the project would create, move or eliminate. Identify cumulative effects to the employment market.*

Transmission line construction will be completed by private contractors, several of which are based in Montana. Cumulative effects to state and local employment are expected to be very positive.

---

**17. LOCAL AND STATE TAX BASE AND TAX REVENUES:**

*Estimate tax revenue the project would create or eliminate. Identify cumulative effects to taxes and revenue.*

The proposed action will provide significant tax revenues to local counties and the State of Montana.

---

**18. DEMAND FOR GOVERNMENT SERVICES:**

*Estimate increases in traffic and changes to traffic patterns. What changes would be needed to fire protection, police, schools, etc.? Identify cumulative effects of this and other projects on government services*

There will be a temporary increase in traffic and traffic patterns on rural roads during construction. No long term or cumulative impacts on traffic is expected. Area fire protection or police services will not be changed as a result of this project.

There will be no direct or cumulative effects on government services.

---

**19. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS:**

*List State, County, City, USFS, BLM, Tribal, and other zoning or management plans, and identify how they would affect this project.*

There are no zoning or other agency management plans affecting these lands.

---

**20. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES:**

*Identify any wilderness or recreational areas nearby or access routes through this tract. Determine the effects of the project on recreational potential within the tract. Identify cumulative effects to recreational and wilderness activities.*

There is no wilderness or recreational areas or access to wilderness or recreational areas through these tracts. The proposed action is not expected to create conflict to any general recreational activities within the area.

There will be no direct or cumulative effects on recreational or wilderness activities.

---

**21. DENSITY AND DISTRIBUTION OF POPULATION AND HOUSING:**

*Estimate population changes and additional housing the project would require. Identify cumulative effects to population and housing.*

Local communities are expected to welcome contractors. The proposal does not include any changes to housing or developments. No direct or cumulative effects to population or housing are anticipated.

---

**22. SOCIAL STRUCTURES AND MORES:**

*Identify potential disruption of native or traditional lifestyles or communities.*

There are no native, unique or traditional lifestyles or communities in the vicinity that would be impacted by the proposal.

---

**23. CULTURAL UNIQUENESS AND DIVERSITY:**

*How would the action affect any unique quality of the area?*

The proposed project will have no effect on any unique quality of the area.

---

**24. OTHER APPROPRIATE SOCIAL AND ECONOMIC CIRCUMSTANCES:**

*Estimate the return to the trust. Include appropriate economic analysis. Identify potential future uses for the analysis area other than existing management. Identify cumulative economic and social effects likely to occur as a result of the proposed action.*

The school trust will receive a one time LUL installation fee of \$500.00 plus a \$25.00 application fee. After installation and as-built survey is provided to the DNRC, the school trust will receive a one time easement fee based upon fair market value of the land crossed.

<b>EA Checklist Prepared By:</b>	<b>Name:</b> Erik Eneboe
	<b>Title:</b> Conrad Unit Manager, CLO
<b>Signature:</b> /S/ ERIK ENEBOE	<b>Date:</b> June 21, 2010

**V. FINDING**

**25. ALTERNATIVE SELECTED:**

Issue Land Use License authorizing initiation of power line construction

**26. SIGNIFICANCE OF POTENTIAL IMPACTS:**

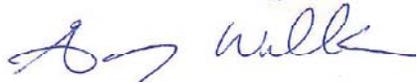
Significant impacts are not expected as a result of the proposed action on State land. The power line project was extensively evaluated under the joint DEQ and DOE Impact Statement. There are no unique conditions, resources or habitat on these state lands not discussed in the EIS.

**27. NEED FOR FURTHER ENVIRONMENTAL ANALYSIS:**

EIS

More Detailed EA

No Further Analysis

<b>EA Checklist Approved By:</b>	<b>Name:</b> Garry Williams
	<b>Title:</b> Area Manger, CLO
<b>Signature:</b> 	<b>Date:</b> 6/21/2010

NATURAL RESOURCES CONSERVATION SERVICE  
**RANGE PLANTING** (ACRE)  
CODE 550

MONTANA CONSERVATION PRACTICE SPECIFICATION

T113714  
SILETY CP-25 MIX

PLANNED SEEDING

1	1a	2	3	4	5	6
SPECIES	CULTIVAR	LBS. PLS. / ACRE (FOR FULL STAND)	% OF MIXTURE	PLS./AC. NEEDED IN MIXTURE (LBS.) (COL. 2 X COL. 3)	ACRE(S) TO BE SEEDED	TOTAL PLS. NEEDED (LBS.) (COL. 4 X COL. 5)
BLUE BUNCH W.G.	SECAR	7	25	1.75	7.0	13.3
GREEN NEEDLE	LDDORM	6	20	1.2	0	0
WESTERN W.G.	BOSANA	6	20	1.2	7.0	9.1
SANDBERG B.G.	VNS*	1	10	.1	7.0	.8
SLENDER W.G.	PRYOR	6	10	.6	7.0	4.0
BLUE FLAX	APPAR	.15	10	.015	7.0	.2
WINTER FAT	VNS*	.3	5	.015	0	0
OR WOODS ROSE	VNS*	.5	5	.025	7.0	.2

PLS (Pure Live Seed) = Germination X Purity.

Designed By: WN  
NATURAL RESOURCES CONSERVATION SERVICE

I have reviewed this plan and agree to install as designed.

DATE: 6/9/10  
DN:

\* Obtain seed within a geographic range of 500 miles north or 500 miles south of planting site. East/West - USE SIMILAR elevation & ppt.  
\*\* Shrub seed needs to be purchased (and bagged) separately with a niver to be seeded in this mix.

