

INFRASTRUCTURE RFA TEMPLATE

PROJECT NAME:

COMPANY NAME:

JOINT APPLICANT(S) :

Contact Name: _____ Phone Number: _____

Email Address: _____

Please review the RFA Section D - Application Instructions for details for RFA submission.

Please note all questions containing a check box () in the right hand corner of a table must be completed.

FOR MANDATORY AND EVALUATION CRITERIA

1. Project Details (Double Click Box to Check off)	
Road Type: PDR <input type="checkbox"/> (applying for) PDR <input type="checkbox"/> FSR <input type="checkbox"/> Mining <input type="checkbox"/>	<input type="checkbox"/>
Total amount of Kilometers of Project:	<input type="checkbox"/>
Road Construction : Upgrade <input type="checkbox"/> New <input type="checkbox"/> New and Upgrade <input type="checkbox"/>	
OGC Application Applied: Y/N _____ OGC File # _____ (if applicable)	
Pipeline Type: New <input type="checkbox"/> OGC Authorized <input type="checkbox"/> NEB Authorized <input type="checkbox"/>	
Total amount of Kilometers of Project:	<input type="checkbox"/>
OGC Application Applied: Y/N _____ OGC File # _____ (if applicable)	
NEB Application Applied: Y/N _____ NEB File # _____ (if applicable)	
Fluid Type: Sour <input type="checkbox"/> H ₂ S content: _____ Sweet <input type="checkbox"/>	
Pipeline diameter(s): _____	<input type="checkbox"/>
2. Description of Project	
2.1: Please provide a detailed explanation of the project and a description of the scope of the project, including describing the route and location the project will encompass. Please include any construction phases (i.e. timelines encompassing several years or phases in construction). Advise on construction of any segments of pipelines or roads (i.e. indicate if there are separations between roads or pipelines, network of roads, pipeline diameter changes). Also explain the reasons the Applicant intends to build the project. (may use information submitted in Cover Letter).	<input type="checkbox"/>

2.2: Please provide details of the drilling and production performance expected for the project in terms of the area, reservoir, pool(s), and or seismic information available.

2.3: Please provide details on your plans to ensure access to market for oil and gas produced by this project (pipelines, plants, capacity availability, etc.).

2.4: Complete the **Summary of Project Work and Step(s)** in the following page. Select either road or pipeline project as applicable. If the project includes components and/or segments contingent to other components and/or segments, please clearly show them in the Table.

Summary of Project Work and Step(s) Table
ROAD PROJECT

Description of Project: (Brief Description)

Construction: Start – Date: _____ and Complete – Date: _____

Road Standards:

Project : <i>Components / Segments</i>	Expected Completion Date	Projected/ Estimated Costs	Maximum Royalty Credit
(Example) <i>Planning</i> (surveying, applications and design),			
Construction (clearing of right of way, installing culverts)			
Bridge construction (number of bridges included)			
Graveling (sub-grade and running surface)			
TOTAL			

Indicate costs associated with each segment or component of road construction. Indicate expected completion dates for each segment or component.

Summary of Project Work and Step(s) Table

PIPELINE PROJECT

Description of Project:

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Construction: Start – Date: _____ and Complete – Date: _____

Pipeline Standards:

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Project <i>Components and Segments</i>	Expected Completion Date	Projected/ Estimated Costs	Maximum Royalty Deduction
Design (planning, applications and surveying)			
Construction (clearing, ditching, stringing, welding and cleanup)			
Construction (compressor station, gas dehydrator, or facility)			
Segment #1 – Description of location			
Segment #2 – Description of location			
Testing (hydro or pneumatic) Pipeline Commissioning (OGC/NEB documentation, e.g. Notice of Leave to Open and Certificate of Operation)			
TOTAL			

Indicate costs associated with each segment or component of pipeline construction. Indicate expected completion dates for each segment or component.

2.4: ROAD PROJECTS ONLY: Please fill in the ROAD LAYOUT AND DESIGN TABLE on the following page.



Road Layout and Design Table

Project Name: _____ Company Name: _____

		Design Information
1.	ROAD TYPE: (ALL SEASON/ALL WEATHER/PDR/PDR #)	
2.	ROAD LENGTH (KM)	
3.	ROAD LOCATION – START (COORDINATES)	
4.	ROAD LOCATION – FINISH (COORDINATES)	
5.	ROAD WIDTH: (M)	
6.	ROAD BASE DEPTH: (M)	
7.	DEPTH OF GRAVEL: (mm)	
8.	RIGHT OF WAY WIDTH: (M)	
9.	ROAD SUBGRADE WIDTH: (M)	
10.	NUMBER OF PULLOUTS:	
11.	DISTANCE BETWEEN PULLOUTS: (M)	
12.	MINIMUM FILL DEPTH: (M)	
13.	MAXIMUM GRADE: (%)	
14.	MINIMUM SIDE SLOPE: (RATIO)	
15.	NUMBER OF BRIDGES: (if applicable)	
16.	BRIDGE DESIGN LOAD: (T)	
17.	MINIMUM CROSS-DRAIN CULVERT SIZE: (mm)	

2.5: Provide OGC/NEB – Pipeline Application if available

3. Estimated Project Cost

Please include an itemized cost estimate breakdown for the proposed project, including all design, construction, engineering, financing, approvals, materials and installation, and any other applicable costs; examples of the level of detail required for road or pipeline projects are provided on the following pages.

The Ministry does not accept contingency, GST, administration and overhead costs as part of the cost estimates. Please refer to the sample Agreement attached "Definition – Eligible Costs" for further clarification of costs.

PLEASE NOTE: the cost estimate submitted will be used to determine the amount of royalty credits the Ministry will use in evaluating the project, and if successful, that it would allocate toward the project. You must indicate in the application the amount of royalty credits requested. The Ministry will automatically allocate 50% of the estimated cost as the estimated royalty credit for evaluation purposes, unless otherwise indicated by the Applicant.

3.1: Estimated Cost Amount to Build Project: \$ _____

3.2: Amount of Royalty Credits Requested: \$ _____

3.3 Provide a **Cost Estimate Breakdown Table** (road or pipeline) with as much detail as possible. (see examples on the following pages)

COST ESTIMATE BREAKDOWN (EXAMPLE FOR ROAD PROJECT)

DESCRIPTION	AMOUNT	UNIT	PRICE	TOTAL
Trucking Construction Equipment	100 Hrs		\$ / Hr	\$
Road Construction -Pre-build	280 meters		\$ m	\$
Road Construction Upgrade	320 meters		\$ / M	\$
Road Construction New	800 meters		\$	\$
Blasting required - m of access	80 M ³		\$ / M ³	\$
Gravel access (supply, deliver, and spread)	34 M ³		\$ / M ³	\$
Miscellaneous Materials	1		\$	\$
Geo-Fabric	40 Rolls		\$ Roll	\$
Silt Fence	20		\$	\$
Signs	40 Unit		\$ / Unit	\$
Culverts- 1200 mm	10 m		\$ m	\$
Culverts- 600 mm	500 m		\$ m	\$
Culvert Delivery	3		\$	\$
Culvert Markers	100		\$	\$
Rip Rap	40 culverts		\$ culvert	\$
Medic	100 days		\$ day	\$
Supervision	100 days		\$ day	\$
Camp Site Construction	1		\$	\$
Camp Set up	1		\$	\$
Camp	100 days		\$ day	\$

Total \$

Bridge Construction Segment

Bridge Purchase & Install- 60 '	2 Unit		\$ / Unit	\$
				\$

Total \$

COST ESTIMATE BREAKDOWN (EXAMPLE FOR PIPELINE PROJECT)

Pipeline Cost Estimate				
	Expenditure Description	Quantity	Unit Price	Total
Materials	Pipe Description			
	External coating			
	Pig Launcher			
	Pig Receiver			
	Pig Launcher/Receiver			
	Weights			
	Risers			
	Sub-total Materials			
Construction	ROW Acquisition			
	ROW Clearing/Salvage			
	ROW Preparation			
	Ditch, Backfill, Cleanup			
	Camp Costs (person days)			
	Hydrostatic Testing			
	P/L Installation			
	Weight Installation			
	Inspection Pigging			
	Creek Crossing - bored			
	Road Crossing - bored			
	Road Crossing - open			
	Cable Crossing			
	Railroad Crossing - bored			
	Pipeline Crossing - bored			
	Directional Drilling (related to bore)			
	Corrosion Evaluation			
Construction				
Miscellaneous	Equipment Rentals			
	Fuel			
	Trucking			
	Cortron RU-196 Inhibitor			
	Diesel for batch inhibitor			
	Safety			
	number of hydrovacs			
	days of ambulance			
	Labour			
	Communications			
	Radiography			
	Survey			
	Construction Inspection			
	Regulatory			
	BC Ministry of Forest ha Cut			
	Engineering			
	Pre-fabricated assemblies			
Supervision				
Environmental				
Miscellaneous				
Total				

4. Potential Spin-off Benefits

Applicant(s) need to provide details of the potential spin-off benefits they expect would result from their proposed project, including but not limited to:

- a) Potential benefits to other Oil and Gas Producers (e.g., additional drilling and production by other Producers who would be provided access to the road or pipeline, increased value of existing land tenures, increased exploration, increased production and development);
- b) Potential benefits to other industries (increased production and efficiencies in forestry, trapping, and mining); (road applications only)
- c) Evaluation of improved safety due to proposed development; (roads applications only)
- d) Other potential benefits (e.g., increased value of future land sales in proximity to the project and pushing out from the project).

5. Project Business Case – Please answer the following questions:

5.1: Will the project “open up” areas of British Columbia to petroleum exploration and development through the construction of new/upgraded roads providing all season access or pipeline and related facilities infrastructure, which enables new oil and gas production from new or accelerated oil and gas drilling? Please Explain:

5.2: Has the project the potential to generate a competitive return on investment to the Province based on estimates of new royalty revenue for new production made possible as a result of additional drilling activity and production enabled by an all season road (e.g. wells enabled by the longer drilling season or incremental drilling) or pipeline(s) and related facilities (e.g. incremental or accelerated production)? Please explain:

5.3: Please clearly explain how the project fits within the capital plan of your company or companies.

5.4: Please provide an explanation of the applicant company's economic hurdle rate (rate of return) or any other economic or financial method(s) used to determine the project's economic viability. Please explain and fill in the blanks below:

Provide Company(s) hurdle rate _____
Project hurdle rate without credit _____
Project hurdle rate with credit _____

6. Benefits Attributable to the Province

6.1: Please clearly indicate the likelihood of the project and its timing in the event the project was awarded an infrastructure royalty credit versus not being awarded an infrastructure royalty credit. Demonstrate the degree and timing of whether or when the project would or would not be built without the Program.

Please explain:

6.2: Explain if, and by how much, the royalty credit would accelerate the construction of the project.

Acceleration of project by year(s) = _____

6.3: To the best of your knowledge, will a road/pipeline in the immediate area be constructed by another company in the near future?

Yes _____ No _____

6.4: If another road/pipeline in the immediate area is being planned or constructed by another company, has the Applicant(s) consulted or negotiated with the other proponent(s) regarding the use of the other project?

Yes _____ No _____ N/A _____

6.5: Please, clearly explain how your project helps reduce footprint (examples: by providing access to more than one producer in the area; by combining various producers potential applications; by using existing capacity in existing facilities; etc.)

7. Risks and Significant Issues

7.1: Please identify the project risks and steps that will be taken to control and mitigate them. (e.g., insurance, poor drilling outcomes, changes in corporate focus and capital budgets, scope revision, construction cost increases):

<p>7.2: Please Identify any significant issues and how they will be resolved; (e.g., permit requirement, rights-of-way, access rights, First Nations consultations, Trapper issues, etc.):</p>	<input type="checkbox"/>
<p>7.3: Please provide any further examples of risk and mitigation (if applicable):</p>	

<p>BEFORE YOU SUBMIT, PLEASE CHECK: HAVE YOU INCLUDED IN YOUR RFA SUBMISSION</p>	
<ul style="list-style-type: none"> • Cover Page, signed as instructed? 	<input type="checkbox"/>
<ul style="list-style-type: none"> • Cover Letter? 	<input type="checkbox"/>
<ul style="list-style-type: none"> • Infrastructure RFA Template? 	<input type="checkbox"/>
<ul style="list-style-type: none"> • Completed Drilling, Production and Royalty Estimates Table? 	<input type="checkbox"/>
<ul style="list-style-type: none"> • Construction Schedule? 	<input type="checkbox"/>
<ul style="list-style-type: none"> • Mapping? 	<input type="checkbox"/>

<p>I hereby attest that all the above information contained in the RFA submission is true and correct:</p> <p style="text-align: center;">_____</p> <p style="text-align: center;">Signature of Authorized Signatory of Designated Applicant</p>	<input type="checkbox"/>
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