



Enhanced Hydrocarbon Recovery Program

Application Checklist

Please ensure all supporting information is submitted for each item below.

Cover Letter

A covering letter, signed by the President, Vice President, Chief Operating Officer, or equivalent.

Scheme

All data to be submitted for scheme area(s) and the Crown portion only. Scheme must be for a single pool. Land ownership documents (agreement details), and well lists should be supplied in excel spreadsheets. Supporting shape files for maps can also be submitted in the application, in addition to the pdf format.

All applications must include the following items:

- Maps showing definition of scheme area(s) and ownership.
- Maps showing capital facility and pipeline locations.
- Alberta Energy Regulator (AER) approval (can be forwarded when approved), and must have been filed after October 23, 2016.
- Engineering Evaluation Report – current as of the filing of this application. The report must be authenticated by a registered member of the Association of Professional Engineers and Geoscientists of Alberta (APEGA) prepared in accordance with the Canadian Oil and Gas Evaluation Handbook (COGEH) or Petroleum Resources Management System (PRMS).

Technical Risk Analysis

Technical risks should be described for enhanced case, and related to reservoir characteristic and geological conditions.

Other Government Grant and/or Incentives

Eligible Enhanced Recovery (ER) costs are net of grants and/or other incentives received from a government.

Costs will be reduced by any value received from CO2 Projects Royalty Credit and/or Innovative Energy Technologies Programs (IETP).

Excel Spreadsheets

Complete all four spreadsheets attached (Base Case Prod, Enhanced Case Prod, Base Case Cost, Enhanced Case Cost). Additional rows may be added if necessary.

Completing Spreadsheets

Production Tabs

- A production forecast is required for the base case and enhanced recovery case (base case + incremental production).
- The forecast must include oil and gas production and gas and liquids sales volumes. Injection volumes must also be provided.
- The forecast must be submitted in metric units.
- For conversion factors, refer to the Conversion Table tab.

Cost Tabs*

A cost forecast is required for both the base case and enhanced case. The forecast will include the following applicable items:

- Capital costs directly related and required to inject approved substances and increase hydrocarbon recovery above a base recovery scheme. Capital costs must be approved for expenditure quality numbers based on the selection of appropriate technology.
- Injectant costs: The department will estimate the opportunity cost of injected hydrocarbons based on the applicant's production forecast and the department's production price forecast. Acquisition costs must be provided for nonhydrocarbon injectants (including CO₂, acid gas, nitrogen, alkalis, surfactants or polymers). In cases where a fair market value cannot be established, a cost of service calculation must be provided.
- Direct operating costs related and required to inject approved substances and increase hydrocarbon recovery above a base recovery scheme.
- All forecast costs are expressed in constant dollars either of the year in which the application is made or the starting year of injection. If an adjustment from nominal values is required, a 2 per cent inflation rate should be used.

*Total costs should correlate to the submitted Engineering Evaluation Report associated with the scheme.

For additional questions please contact energy.mrfinquiries@gov.ab.ca.