

1 Introduction to Pipeline Planning

1.1 Course Description

This course introduces learners to the second stage of the pipeline lifecycle: planning. The course covers key topic areas, including the role of planning within the pipeline lifecycle and the three interrelated areas of work within the planning stage (routing, regulatory review and approvals process in jurisdictions with a stable regulatory regime and moderate level of regulatory oversight, and construction planning). Self-assessments are used to reinforce key concepts, and a final graded assessment evaluates the learner's understanding of the material. The online course format allows individuals to review and reinforce the material at their own pace. What sets this course apart is that it equips learners with a basic understanding of the planning stage of the pipeline lifecycle and its potential to significantly impact other stages, which is foundational for further learning in the pipeline industry.

Format: Online

Duration: ~1 hour

Prerequisite Courses & Materials:

Introduction to the Pipeline Industry

1.2 Learning Objectives

By the end of the course, participants should be able to:

1. Identify the four key considerations in routing selection.
2. Describe the main factors associated with the four key routing considerations.
3. Identify the general pipeline regulatory review and approval process steps that occur in jurisdictions with a stable regulatory regime and moderate level of regulatory oversight.
4. Describe the six considerations for pipeline construction planning.

1.3 Who Should Take This Course

The course is best suited for:

- Individuals seeking basic knowledge about the planning stage of the pipeline lifecycle.
- Individuals considering or pursuing careers in the pipeline industry.

1.4 Course Topics

Main topic areas covered in this course include:

- Background
 - Pipeline Lifecycle Map
 - Project Viability
 - Pipeline Economic Viability
 - Economic Impact to Other Pipeline Lifecycle Stages
 - Interrelated Areas of Work
- Routing
 - Introduction
 - What is Routing?
 - Route Selection Strategies
- Regulatory Review and Approval Process
 - Introduction
 - Additional Requirements: Pipelines Crossing Borders
- Construction Planning
 - Introduction

- Construction Planning Considerations