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**Z663-18**  
National Standard of Canada



# Land use planning in the vicinity of pipeline systems



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# Preface

This is the first edition of CSA Z663, *Land use planning in the vicinity of pipeline systems*. It supersedes and replaces CSA PLUS 663, *Land use planning for pipelines: A guideline for local authorities, developers, and pipeline operators* published in 2004.

This Standard aims to address the challenges facing land use planning near pipelines in Canada; outlining key elements that when consistently applied will enhance safe and informed development. Users of this Standard are reminded that additional and site-specific requirements might be specified by federal, provincial/territorial, or municipal authorities. While risk-informed decision-making has become one of the methods supporting informed land development, it is not addressed in this Standard; however, users may choose to use risk-informed decision-making practice. The Technical Committee chose not to incorporate risk-informed decision-making given the multitude of other standards that more aptly address those practices.

This Standard should not be considered as a replacement for the requirements contained in any

- a) applicable federal, provincial, territorial, regional, or municipal statute; or
- b) regulation, licence, or permit issued pursuant to an applicable statute.

Explanatory material has been added to Annexes to clarify the content and provide guidance.

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support of Canadian Energy Pipeline Association (CEPA) and Canadian Common Ground Alliance (CCGA).

This Standard was prepared by the Technical Committee on Land Use Planning in the Vicinity of Pipeline Systems, under the jurisdiction of the Strategic Steering Committee on Petroleum, Natural Gas, and Industry Systems, and has been formally approved by the Technical Committee.

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# Z663-18

## *Land use planning in the vicinity of pipeline systems*

### 0 Introduction

#### 0.1 General

Effective land use planning in the vicinity of pipeline systems should include all relevant stakeholders. With an objective to realize an informed decision making process, effective land use planning in the vicinity of pipeline systems promotes awareness through consistent and collaborative stakeholder communication early in the land use planning process.

#### 0.2 Intent

This Standard intends to address the challenges facing land use planning in the vicinity of pipeline systems in Canada; outlining requirements and best practices that when consistently applied will enhance informed development. Land use planning that considers the existence of pipeline systems can support the planning for and provision of emergency services and pipeline integrity.

Users of this Standard are reminded that additional and site-specific requirements might be specified by federal, provincial/territorial, municipal or where applicable, indigenous authorities. Risk-informed decision-making practices, including but not limited to, risk assessments, are methods that can support informed land development. The Technical Committee chose not to incorporate these practices given the multitude of other standards that more aptly address them. Users, however, may choose to use these practices.

#### 0.3 Method

This Standard can assist users to develop land use planning processes that

- a) integrate an awareness of pipeline systems and rights-of-ways; and
- b) are appropriate in the vicinity of pipeline systems in both urban and rural settings.

### 1 Scope

#### 1.1

This Standard

- a) provides minimum requirements, guidance, and best practices for land use planning and development processes in the vicinity of existing pipeline systems;
- b) addresses roles, responsibilities, and engagement of all stakeholders to establish a consistent approach to land use planning in the vicinity of existing pipeline systems; and
- c) focuses on long-range policy planning and site development planning processes in the vicinity of existing pipeline systems.

**Note:** *Annex B provides additional topics and guidance that is not covered in this Standard but deemed beneficial to have available.*