



Learning Aid: Alberta Public Data – Facility Infrastructure Download

Updated: October 4, 2023

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Change Log

Date	Section	Changes
October 2023	Data Field Table	New Alberta Environment & Protected Areas (AEPA) Technology Innovation & Emissions Reduction (TIER) data
September 2022	Data Field Table	New Orphan Well Flag
March, 2022	Throughout Document	Cleanup and re-format of document
February, 2022	Throughout Document	Cleanup and re-format of document



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The goal of this document is to provide information on the Alberta facility infrastructure downloads accessed from the Petrinex Alberta Public Data page.

Introduction

Alberta facility infrastructure information referenced in this document can be accessed by the public through the Alberta Public Data Access link on the Petrinex web site.

The current status of all the Alberta facilities in Petrinex as of the file creation date will be included in the downloadable files.

Waste locations are handled differently in Petrinex and will not be included in this report.

Note: If users require a Saskatchewan facility infrastructure output file, they are required to access the [Saskatchewan Public Data Access](#) link on the Petrinex web site.

Scheduling and Timing

The Alberta facility infrastructure files are created nightly and available for public downloading the next morning.

Downloads

This data download is available to from the Alberta Public Data Access web page in Comma-Separated Value (CSV) and Extensible Markup Language (XML) formats. Select the desired report, choose a file format and click the “Download” button to obtain the download.

Petrinex functionality allows users to request this report using a separate API address rather than the “download” process. Your report request should follow the following criteria:

<https://www.petrinex.gov.ab.ca/publicdata/API/Files/{Jurisdiction}/Infra/{FileName}/{FileFormat}>

Examples:

<https://www.petrinex.gov.ab.ca/publicdata/API/Files/AB/Infra/Facility%20Infrastructure/CSV>

<https://www.petrinex.gov.ab.ca/publicdata/API/Files/AB/Infra/Facility%20Infrastructure/XML>

Note: The report results will be the same no matter which of the request processes you use.



Users downloading reports for personal use should request the CSV format. This format can be imported to and exported from programs that store data in tables, such as Microsoft Excel. For further information on creating an excel spreadsheet from CSV see the section below titled “Open and Save CSV Document as Excel Spreadsheet”.

Users downloading the data to upload into other systems should request the XML format. This format shares both the format and the data using standard ASCII text. An XML format is similar to HTML.



Data Fields

Data Element Name	Data Type	Length	Description	Data Protection
Facility ID	String	20	Unique identifier for the facility	
Facility Province/State	String	2	Province/State for the Facility	
Facility Type	String	2	Type for the Facility Type classifying the facility according to its physical equipment or principle service performed.	
Facility Identifier	String	20	Unique identifier for the Facility	
Facility Name	String	60	Name of the facility	
Facility SubType	String	3	Sub-Type Code indicating purpose of facility	
Facility SubType Desc	String	60	Description of the facility sub type.	
Experimental Confidential	String	1	Facility experimental Confidential Indicator as of date when file was generated (Y/N)	
Facility Start Date	Date	10	Production Period (YYYY-MM-DD) in which the facility change becomes effective.	
Facility Location	String	30	Facility Surface Location is made up of: legal subdivision-section-township-range -meridian.	
Facility Legal Subdivision	String	2	The DLS Legal Subdivision designation for the surface location of a facility.	
Facility Section	String	2	The DLS Section designation for the surface location of a facility.	
Facility Township	String	3	The DLS Township designation for the surface location of a facility.	
Facility Range	String	2	The DLS Range designation for the surface location of a well.	
Facility Meridian	String	2	The DLS Meridian designation for the surface location of a facility.	
Facility Licence Status	String	12	Status of the Licence, applicable only to licenced facilities	
Facility Operational Status	String	20	The operational status fo the facility.	
Facility Operational Status Date	Date	10	Date (YYYY-MM-DD) corresponding to the current facility operational status	
Licence Type	String	20	Type of Licence. "FACILITY" or "WELL".	
Licence Number	String	9	Licence number (if applicable). Start with licence type abbreviation	



Data Element Name	Data Type	Length	Description	Data Protection
Energy Development Category Type	String	60	Licence Energy Development Category Type description, if applicable	
Energy Development Category ID	String	3	Licence Energy Development Category Code	
Licence Issue Date	Date	10	Facility Licence Issue date (YYYY-MM-DD), if applicable	
Licensee BA ID	String	20	Business Associate id to which the licence has been issued, if applicable	
Licensee Name	String	150	Business Associate name to which the licence has been issued, if applicable	
Operator BA ID	String	20	Current facility Operator ID	
Operator Name	String	150	Current facility Operator name	
Operator Start Date	Date	10	Current facility Operator start date	
Terminal - Pipeline Link	String	20	Facility Identifier of the pipeline facility linked to the terminal, if applicable	
TP Facility Province/State	String	2	Province/State for the Terminal - Pipeline Link, if applicable	
TP Facility Type	String	2	Type for the Terminal - Pipeline Link, if applicable	
TP Facility Identifier	String	20	Unique identifier for the Terminal - Pipeline Link, if applicable	
Meter Station - Pipeline Link	String	20	Facility Identifier of the pipeline facility linked to the meter station, if applicable	
MP Facility Province/State	String	2	Province/State for the Meter Station - Pipeline Link, if applicable	
MP Facility Type	String	2	Type for the Meter Station - Pipeline Link, if applicable	
MP Facility Identifier	String	20	Unique identifier for the Meter Station - Pipeline Link	
Orphan Well Flag	String	1	'Y' or 'N' value. Derived from the facility licence. If 'Y', the facility licence is designated to the Orphan Well Association (OWA). (SEE NOTE BELOW)	
TIER Aggregate ID	String	4	The TIER Identifier of the aggregate facility containing the individual facility in question. Provided by Alberta Environment and Protected Areas.	
TIER Aggregate PR	String	50	The person responsible for the aggregate facility under the TIER program. Provided by Alberta Environment and Protected Areas.	



Note: In cases where no facility/well licence is linked to a reporting facility/well code, the “Orphan Well Association” field will be omitted from Petrinex screens, in the associated reports the new field will be blank.



Open and Save Document as Excel Spreadsheet

If you have selected the Facility Infrastructure Report and your download format is CSV, you should save your report to an appropriate folder. Click the “arrow” beside the “Save As” option to save this to the selected folder.



Note: The file that you save will be a zipped file (.zip). When you click on the file name it will open the zip file and present the requested report(s) which you will need to save to a folder you have access to.

When you open your csv report, you will notice that all of the preceding zero's in any of the data has been lost. Example BA Code 0123 would show as 123, Facility Identifier 0000123 would show as 123. You need to create a worksheet in text in order to sort and filter your report as necessary.

- a. Open a new Excel worksheet and click on **Data** to import your saved report into this new worksheet.
- b. Click **From Text** to open the Import Text file window
- c. Highlight the document that you previously saved and click **Import**.
- d. This opens the Text Import Wizard:
 1. Click the radio button – **Delimited** and click **Next**
 2. Change the radio button under Delimiters from Tab to **Comma** and click **Next**.
 3. You will want to change all of the columns to be Text rather than General. To do this – Hold down the Shift Key and using the scroll bar on the bottom bring it as far to the right as you can. This will highlight all of the columns.
 4. Click the radio button **Text**
 5. Click **Finish**
 6. You are now asked where you want to put the data? Click the radio button – **Existing Worksheet** and click **OK**.
 7. Save the new worksheet as a .XLSX or .XLS file.



Glossary Terms

ORPHAN WELL ASSOCIATION (OWA): The OWA is an industry-funded not-for-profit organization that safely closes orphaned assets. When there is no legally responsible party to look after an asset, the AER may designate it an orphan. The responsibility for the orphaned asset is then transferred to the OWA. [More information about the OWA.](#)

PUBLIC DATA: Also known as “non-operator data” refers to Petrinex data available to non-operators in Petrinex.

TIER - Technology Innovation & Emissions Reduction: The Government of Canada applied a federal fuel charge in Alberta on January 1, 2020 under the [Greenhouse Gas Pollution Pricing Act](#) (GGPPA) which applies to fossil fuels used in the province. To protect industry from the costs of the federal fuel charge, on January 1, 2020, the Government of Alberta introduced the TIER Regulation Aggregate Facility Program for conventional oil and gas facilities with less than 100,000 tonnes CO₂e. For more information on this program see the Alberta Environment and Protected Areas Website [Technology Innovation and Emissions Reduction System](#)