



# GDS Development Talk

November 20, 2025



1. Why GDS Pro
2. Feature Demonstration
3. Development insights

# Why GDS Pro

What is GDS good for

- GDS can show results with a clear picture of direction
- Tools designed to make presenting data easy
- GDS allowed for users to see scenarios at a different levels of abstraction

Problems with GDS PowerPoint

- Slow
- Limitations of PowerPoint stalled development
- The majority of GDS PowerPoint development time was fixing parts breaking from Microsoft updates

# Navigating to GDS Pro

The screenshot displays the RBAC GDS Pro software interface. The title bar reads "Control Panel - RBAC, Inc.". The menu bar includes "File", "GPCM", "Home", "Create", "External Data", "Database Tools", and "Help". A search bar is present with the text "Tell me what you want to do". The ribbon contains various tool icons such as "View", "Form View", "Import from Excel", "Export to Excel", "Cut", "Copy", "Paste", "Refresh All", "Ascending/Descending", "Filter By Selection/Form", "Get Help", and "Visual Basic".

The main workspace is titled "ator for North American Gas & LNG™ Developer Mode". It features a scenario dropdown set to "22Q4base" and an "Exit" button. Below this is an "Execution Summary" table:

Execution Summary	
Start Time:	2/2/2023 5:55 pm
Run Time:	2364
# of Variables:	6,028,858
# of Equations:	2,807,119

Below the table, it states "Real \$ Year for linked DB is 2022".

A context menu is open over the "Infrastructure Builders" section, showing a tree view of data categories:

- Infrastructure Builders
  - Geography
  - Supply Model
  - Demand Model
  - Pipeline Model
    - Pipelines
    - Pipeline Available
    - Pipeline Projects
    - Pipeline Zones
    - Pipeline Zone Data
    - LNG Export Zone Data
    - Pipeline Link Data
    - Supply Link Data
    - Demand Link Data
    - Storage Link Data
    - Interconnects
    - Interconnect Link Data
    - AutoExpand Data
  - Market Points
  - CO2 Case Definitions
  - History
  - Target Flow Point Management
  - GPCM Parameters

The "All Pipeline Data" sub-menu is expanded, listing:

- Pipeline State Border Links
- Pipeline State Border Link Capacity

At the bottom, a status bar shows "Record: 14 of 4" and "Form View". A footer note states: "GPCM is a trademark owned by RTK, LLC, and is used with its permission."

# Navigating to GDS Pro

Pipeline - RBAC, Inc.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data\_Inputs Execute Reports Windows Help View Form View Datasheet View Import from Excel Export to Excel Cut Copy Paste Can't Undo Refresh All Ascending Descending Filter By Selection Filter By Form Toggle Filter Get Help Visual Basic

Save Can't Undo Redo

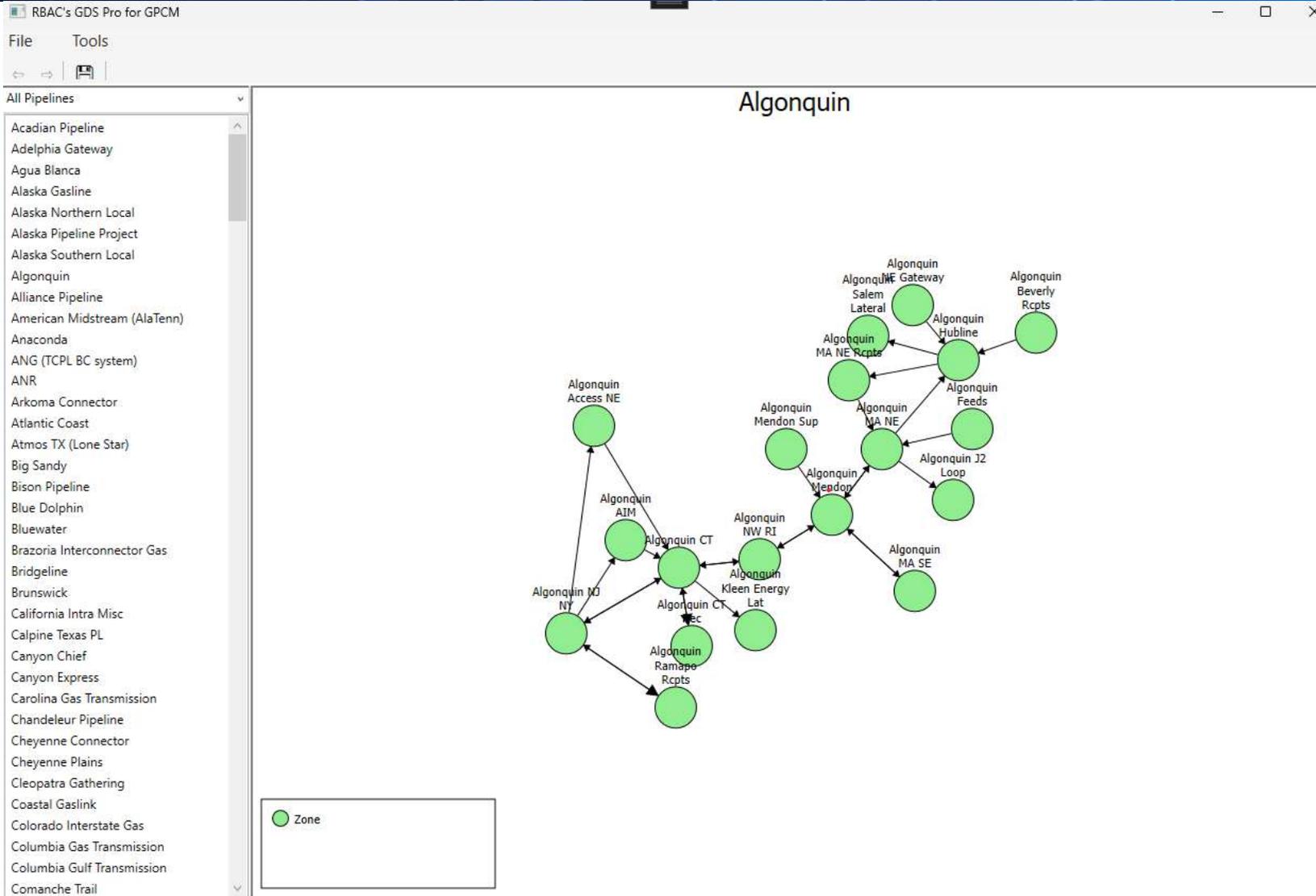
Pipeline All Data Pipe\_Avail Pipe\_Zones Zone Data Pipe\_Links Sup Links Dem Links Int Links Stgr Links LNG Exports AXP\_Data Close

Pipeline Name	Pipe Code	Owner	Status	Type	Map Location	Beg Date	Goto Website	Goto GDS	Project
Algonquin	PL002		Operational	Interstate	US - CAN	Jan-2001	Website	Map Model	Project
Enable Gas Transmission	PL004		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
ANR	PL006		Operational	Interstate	US - CAN	Jan-2001	Website	Map Model	Project
Eastern Gas	PL008		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Colorado Interstate Gas	PL010		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Columbia Gas Transmission	PL012	TC Energy	Operational	Interstate	US - CAN	Jan-2001	Website	Map Model	Project
Columbia Gulf Transmission	PL014		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
East Tennessee	PL016		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
El Paso Natural Gas	PL018		Operational	Interstate	US - CAN	Jan-2001	Website	Map Model	Project
Equitrans	PL020		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Florida Gas	PL022		Operational	Interstate	US - CAN	Jan-2001	Website	Map Model	Project
Great Lakes	PL024		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
High Island Offshore	PL026		Operational	Offshore	GOM	Jan-2001	Website	Map Model	Project
Iroquois	PL028		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Kern River	PL030		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Tallgrass Interstate Gas Transmission	PL032		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Wattenberg Gathering	PL034		Operational	Gathering	US - CAN	Jan-1998	Website	Map Model	Project
Gulf South	PL036		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Consumers Energy	PL038		Operational	Intrastate	US - CAN	Jan-1998	Website	Map Model	Project
Michigan Consolidated (MichCon)	PL039		Operational	Intrastate	US - CAN	Jan-1998	Website	Map Model	Project
Midwestern Gas Transmission	PL040		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Mississippi River Transmission	PL042		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Mojave	PL044		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
National Fuel Gas Supply	PL046		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
NGPL	PL048		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Northern Border	PL050		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Northern Natural	PL052		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project
Northwest Pipeline	PL054		Operational	Interstate	US - CAN	Jan-1998	Website	Map Model	Project

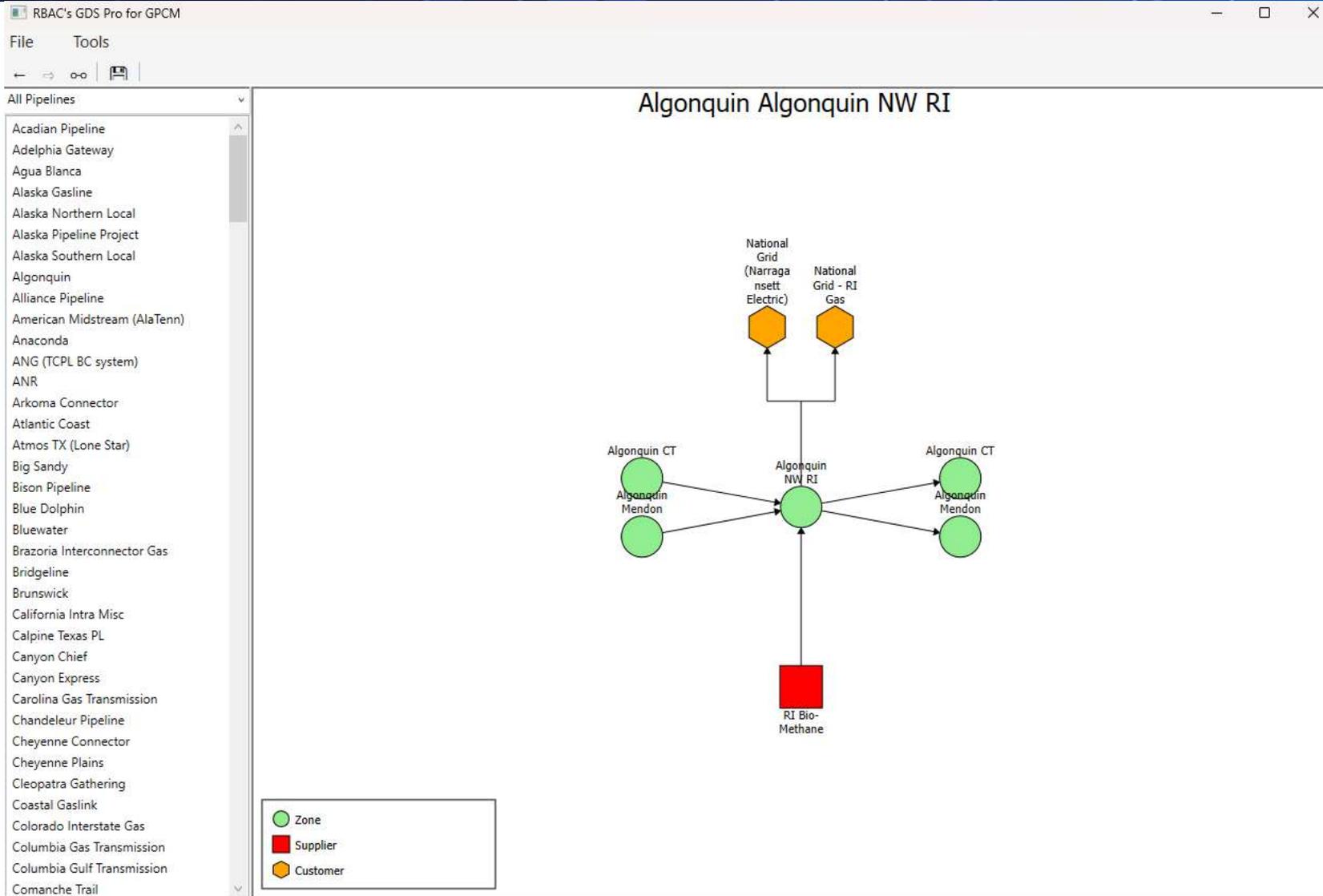
Record: 1 of 307 No Filter Search

Form View

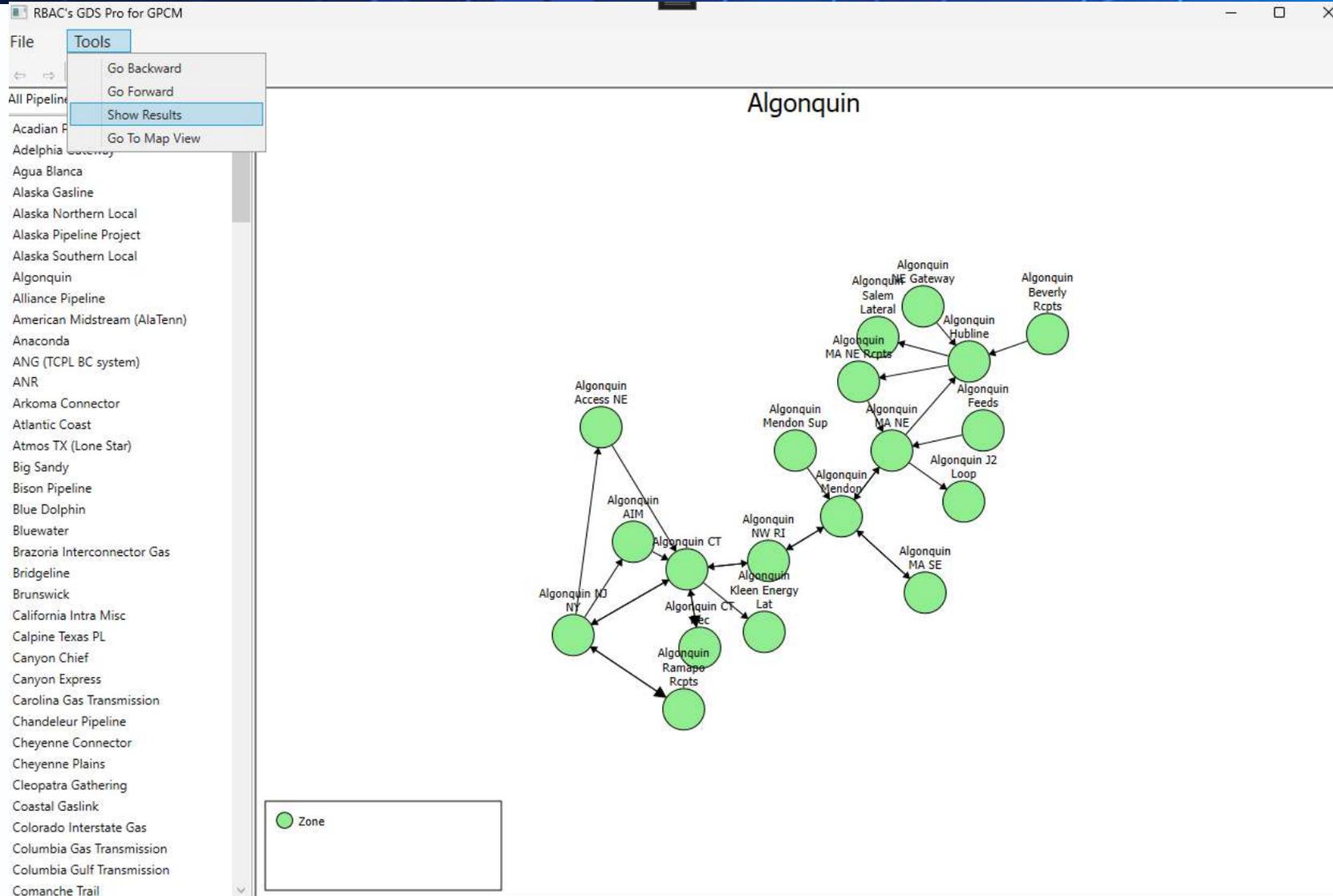
# GDS Pro



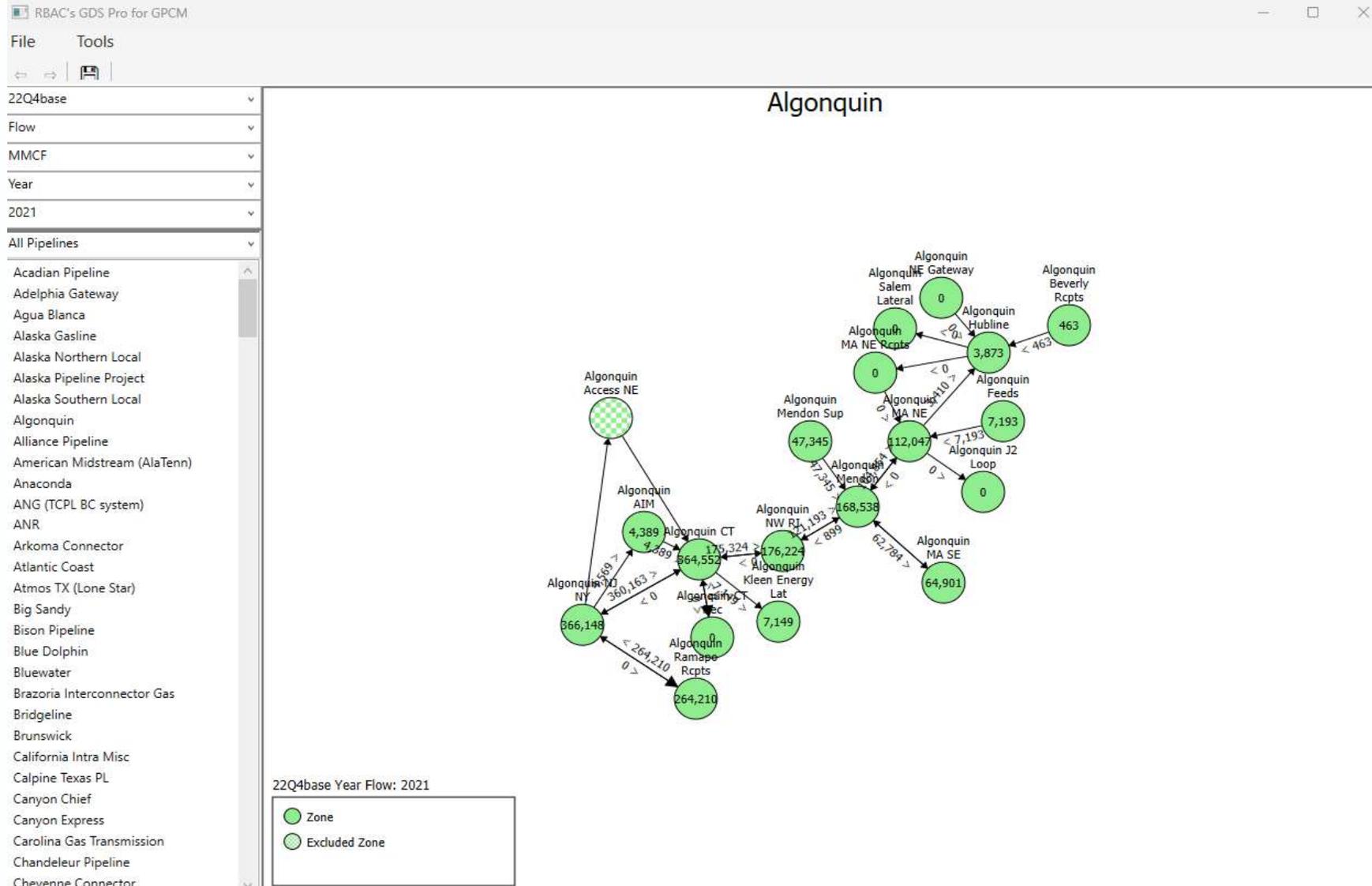
# GDS Pro Zone view



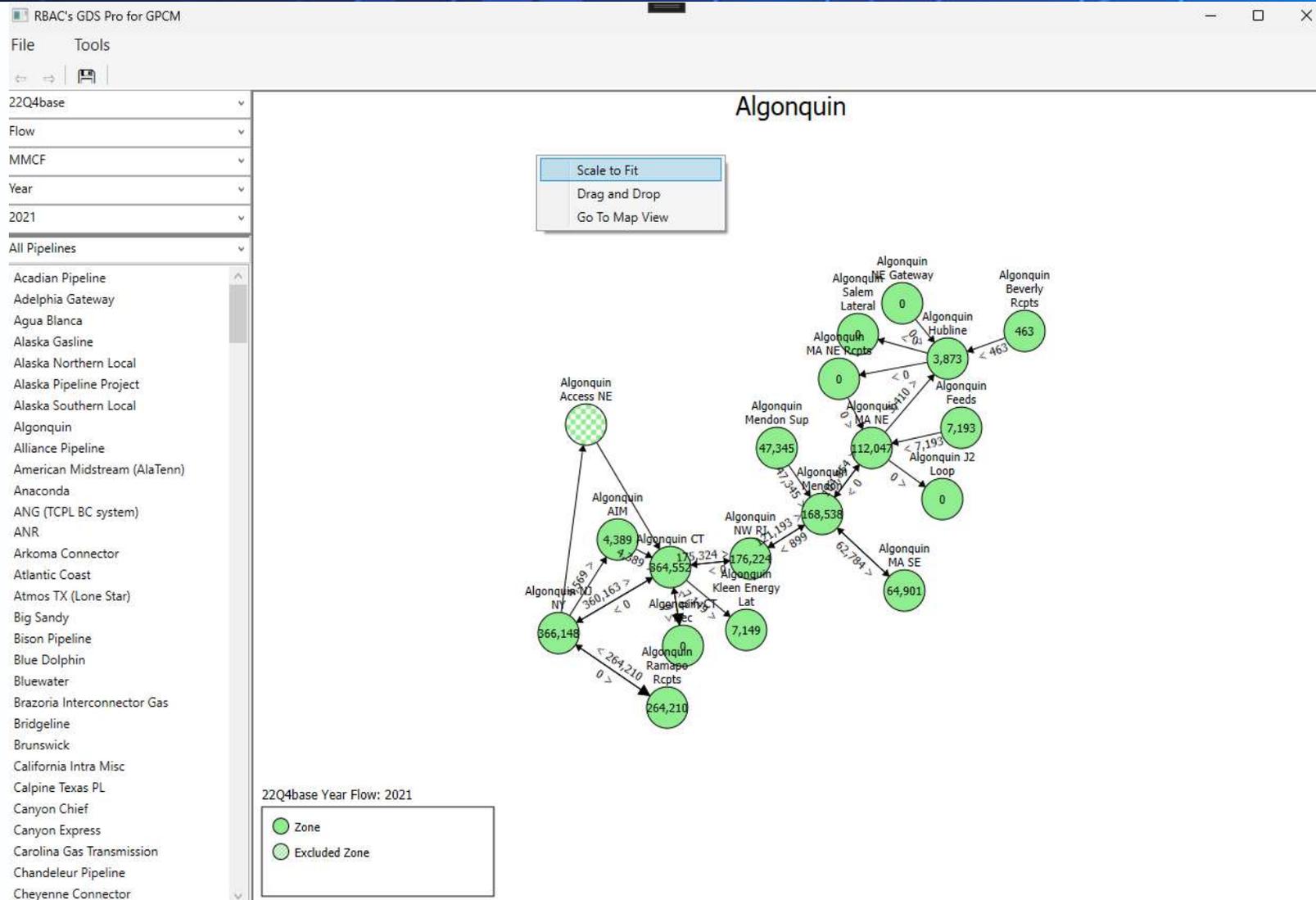
# GDS Pro results



# GDS Pro Results

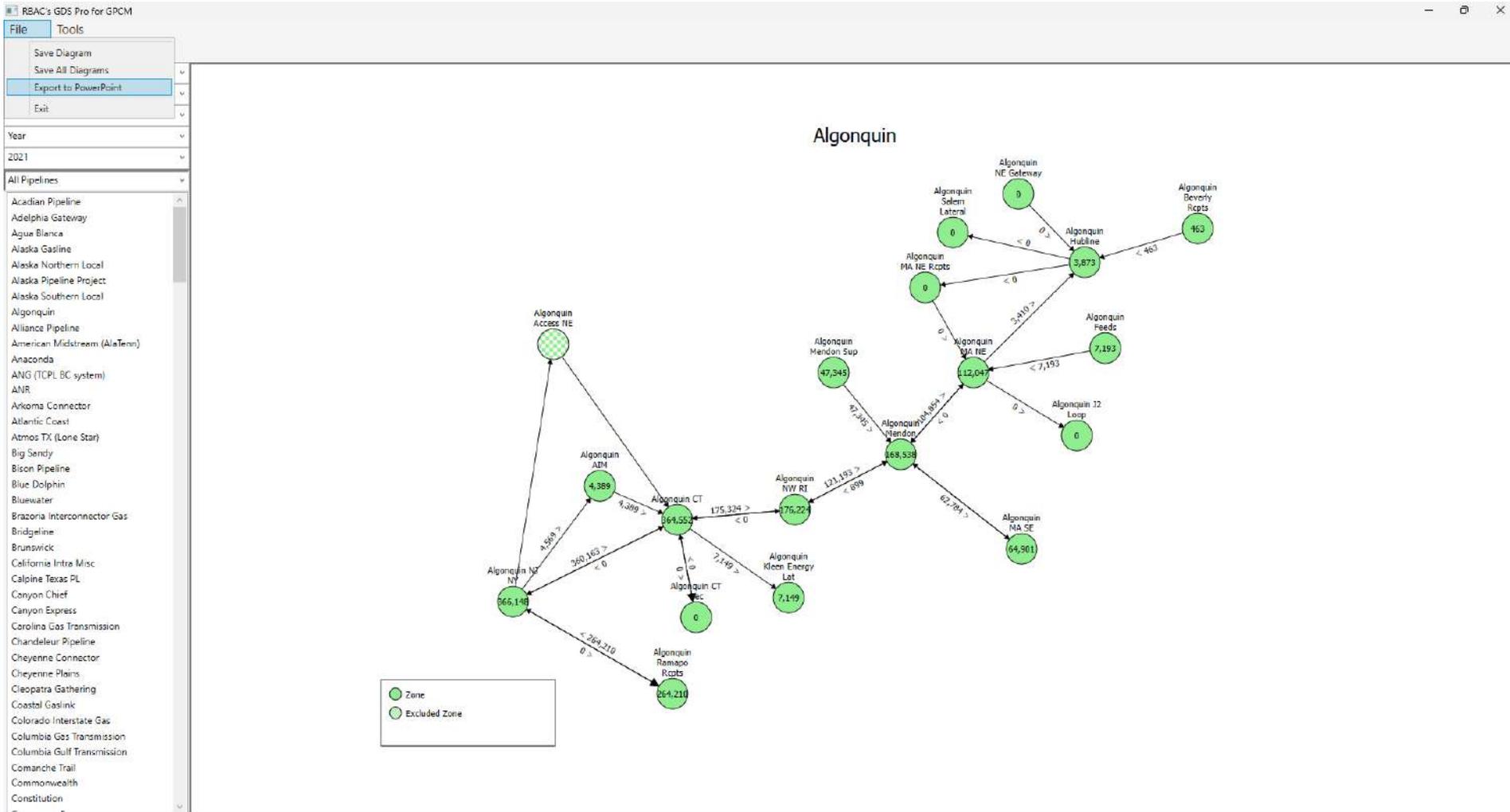


# GDS Pro Scaling

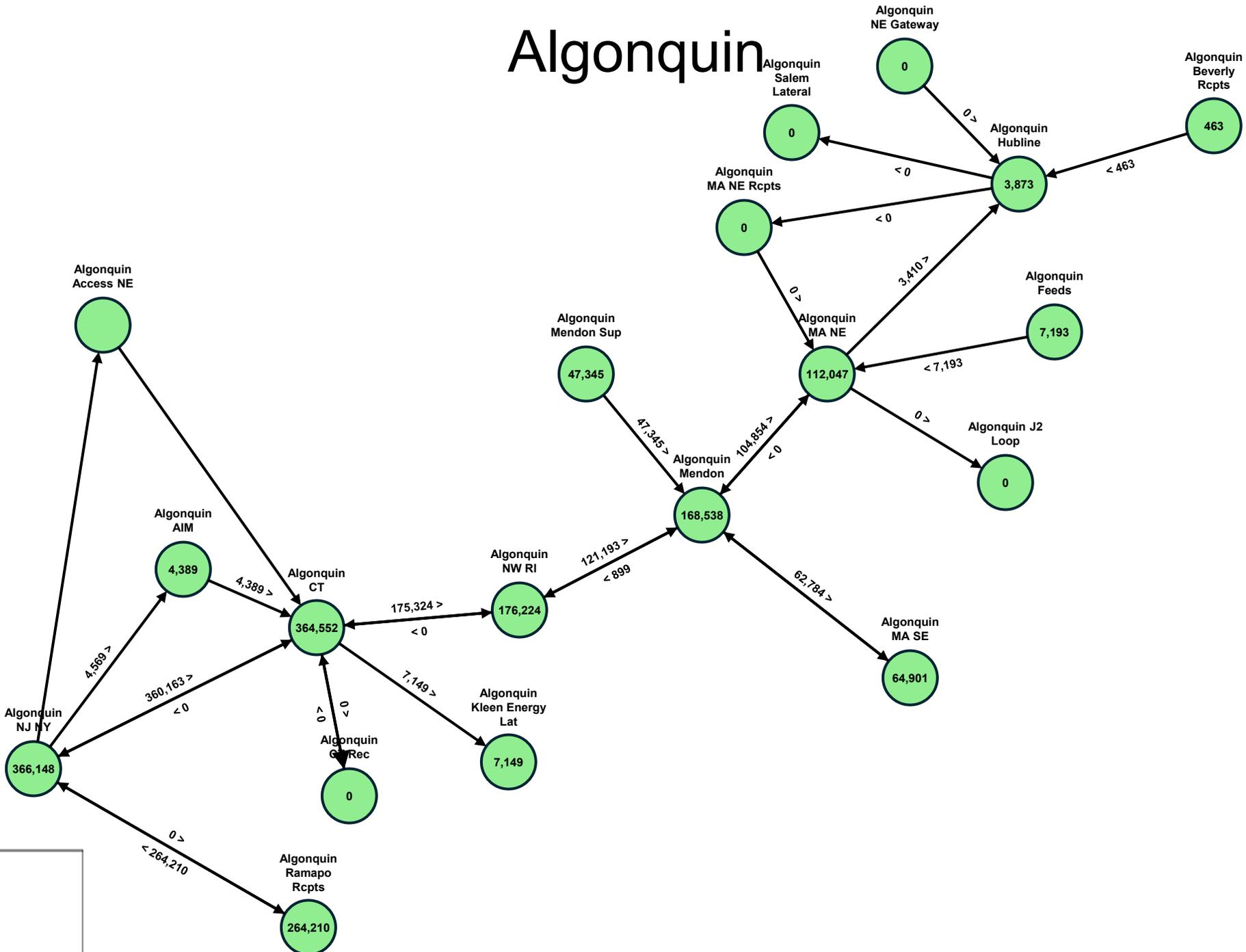




# GDS Pro PowerPoint export



# Algonquin



Legend:

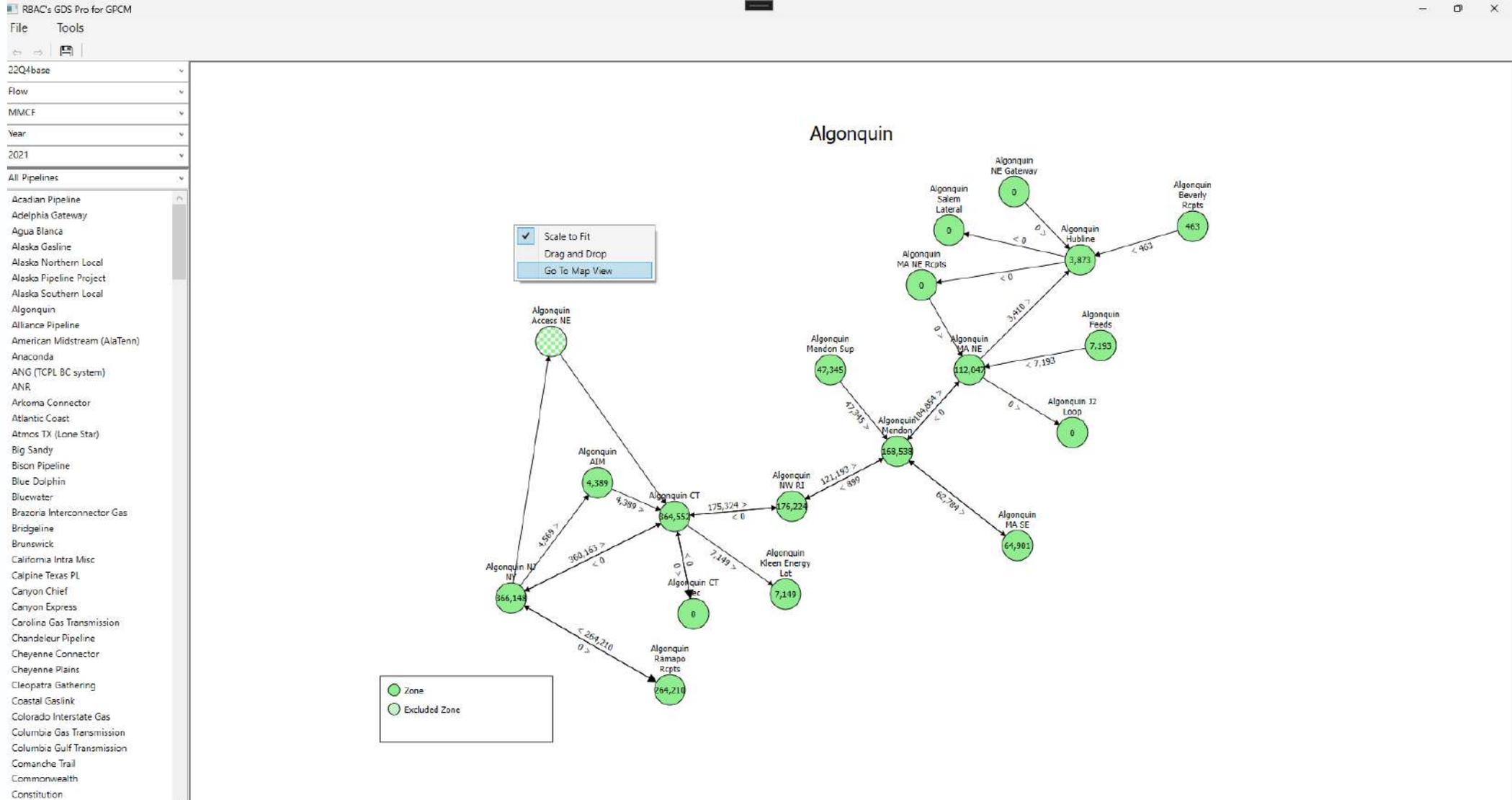
- Zone (represented by a solid green circle)
- Excluded Zone (represented by a green circle with a grid pattern)

# Navigating to GDS Map Pro

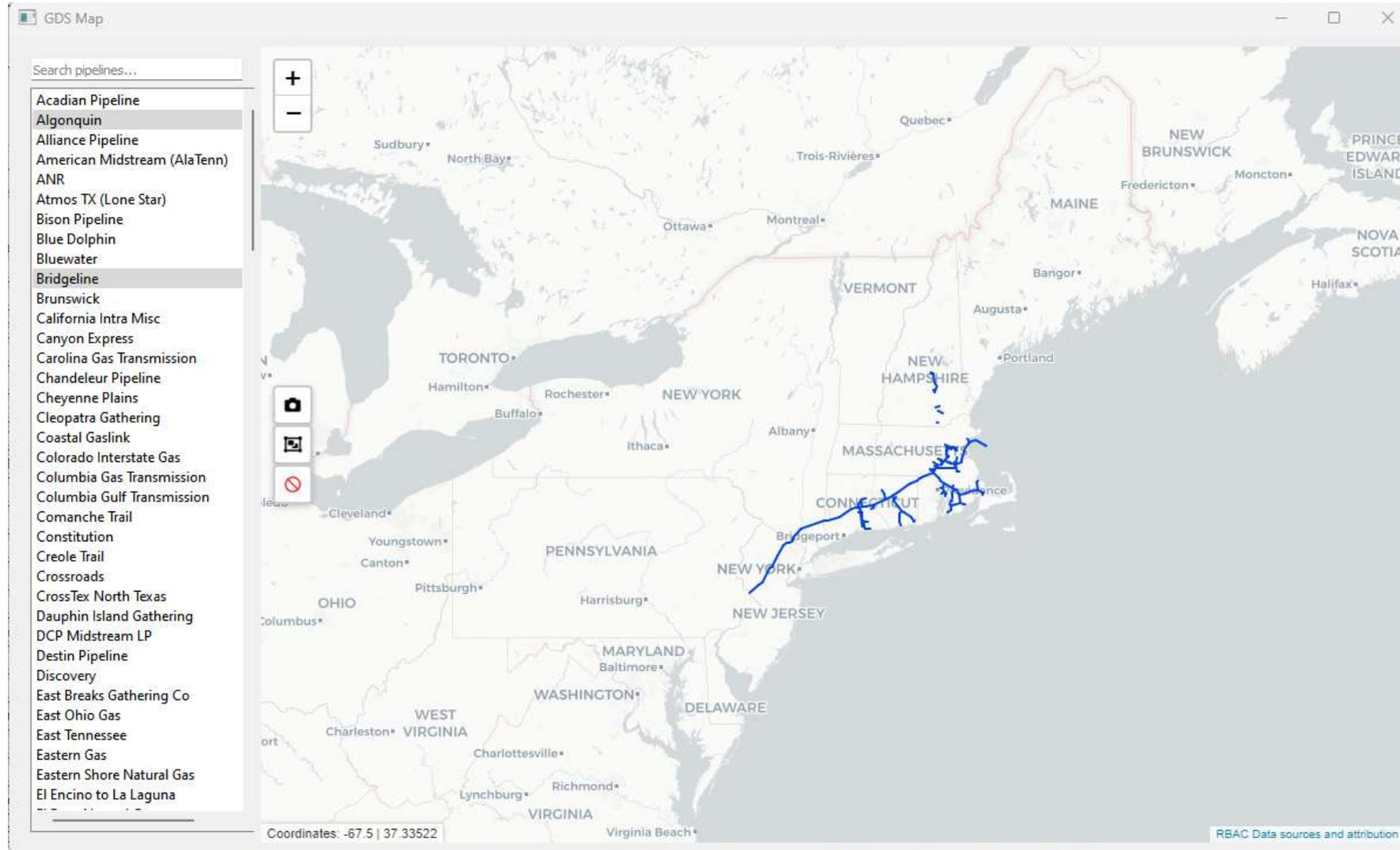
The screenshot displays the Pipeline - RBAC, Inc. application window. The interface includes a menu bar (File, GPCM, Home, Create, External Data, Database Tools, Help), a toolbar with various data management tools (View, Form View, Datasheet View, Import from Excel, Export to Excel, Copy, Paste, Refresh All, Filter By Selection, Filter By Form, Toggle Filter, Get Help, Visual Basic), and a main data table. The table is titled 'Pipeline' and has tabs for 'All Data', 'Pipe\_Avail', 'Pipe\_Zones', 'Zone Data', 'Pipe Links', 'Sup Links', 'Dem Links', 'Int Links', 'Stgr Links', 'LNG Exports', 'AXP\_Data', and 'Close'. The table columns are: Pipeline Name, Pipe Code, Owner, Status, Type, Map Location, Beg Date, Goto Website, Goto GDS, and Project. The 'Goto GDS' column contains buttons for 'Website', 'Map', and 'Model'. The 'Map' button is highlighted in blue for the first row (Algonquin). The status bar at the bottom shows 'Record: 1 of 307' and 'No Filter'.

Pipeline Name	Pipe Code	Owner	Status	Type	Map Location	Beg Date	Goto Website	Goto GDS	Project
Algonquin	PL002		Operational	Interstate	US - CAN	Jan-2001	Website	Map	Model
Enable Gas Transmission	PL004		Operational	Interstate	US - CAN	Jan-1998	Website	Map	Model
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Northwest Pipeline	PL054		Operational	Interstate	US - CAN	Jan-1998	Website	Map	Model

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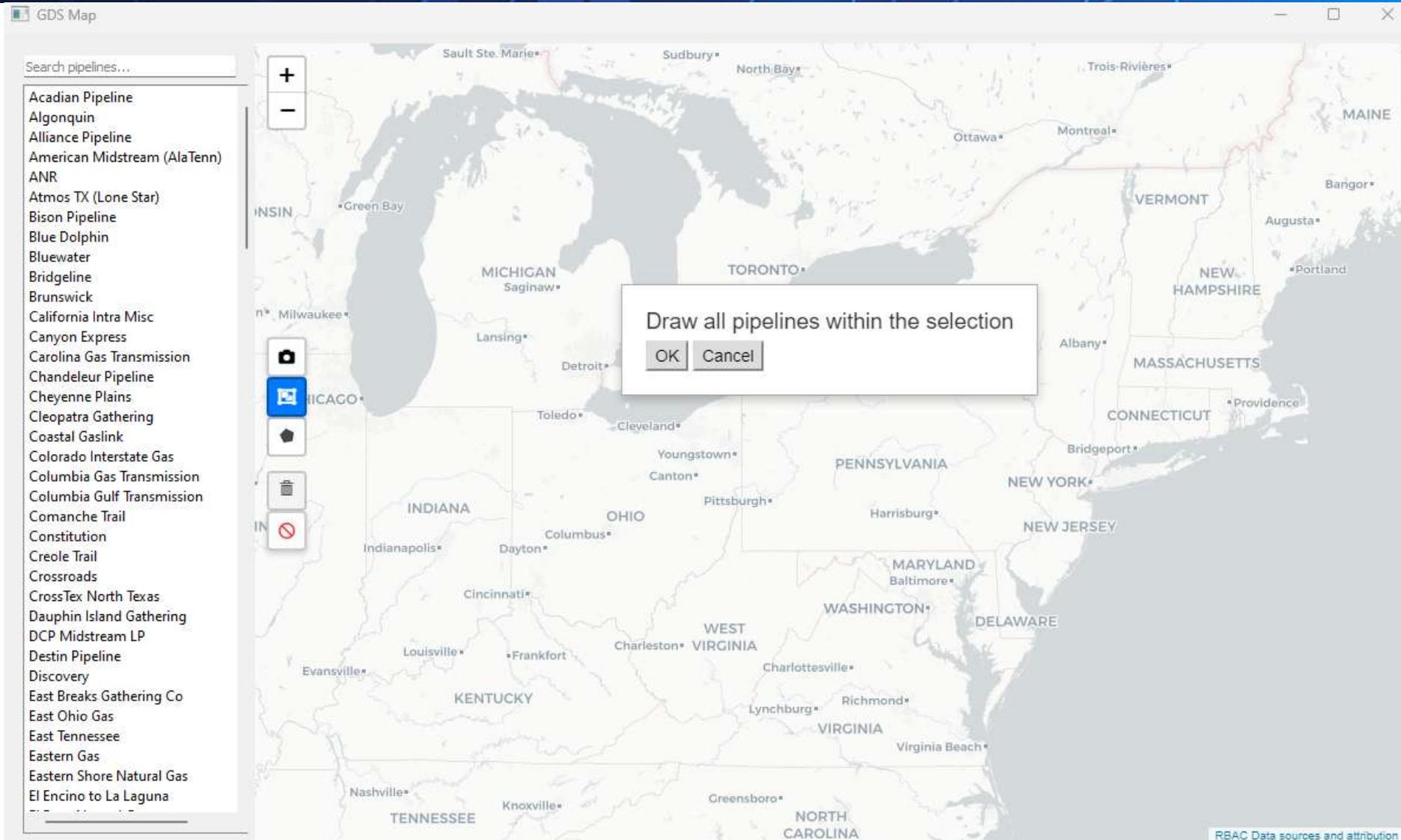


# GDS Map Pro

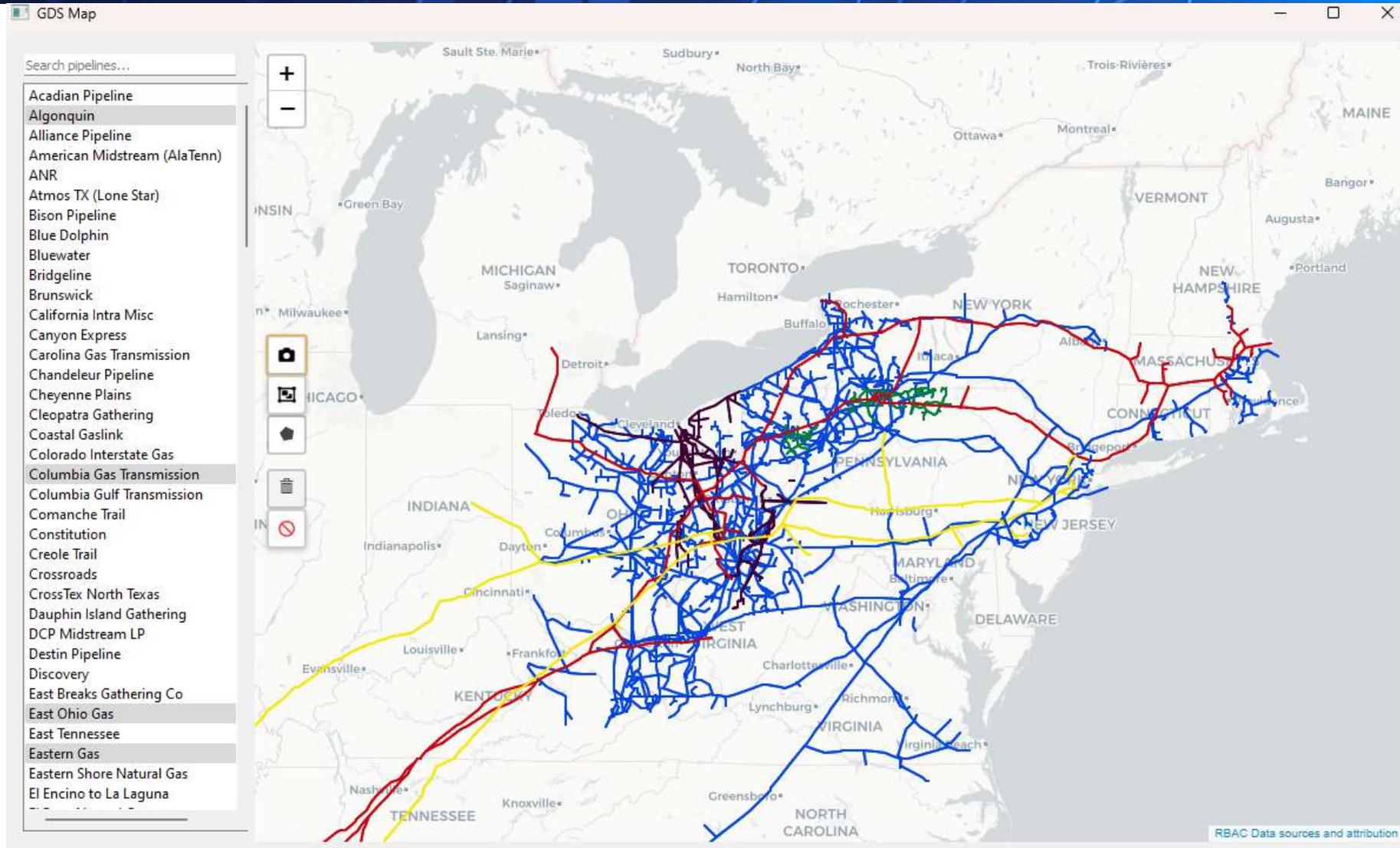




# Marquee Selection



# Marquee Selection



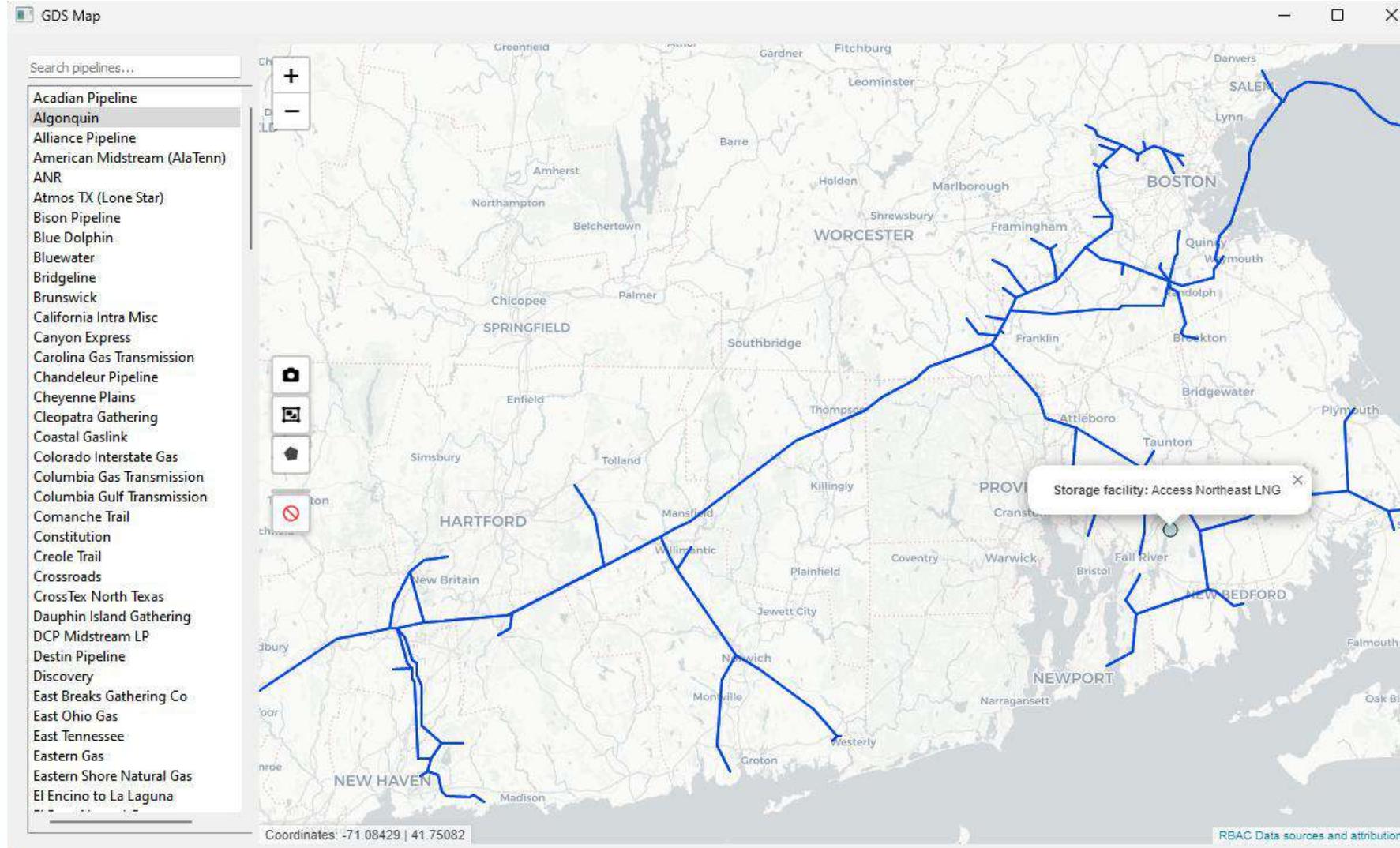
# Storage

The screenshot shows the GDS Map application interface. On the left, there is a search bar labeled "Search pipelines..." and a list of pipeline names. The map displays the Eastern United States, including parts of Michigan, Ohio, Pennsylvania, New York, Vermont, New Hampshire, Maine, Massachusetts, Connecticut, New Jersey, Delaware, Maryland, Virginia, and West Virginia. Major cities like Toronto, Hamilton, Buffalo, Rochester, Albany, and New York are labeled. A blue pipeline network is overlaid on the map, primarily in the New York and New Jersey area. A context menu is open over the map with the following options:

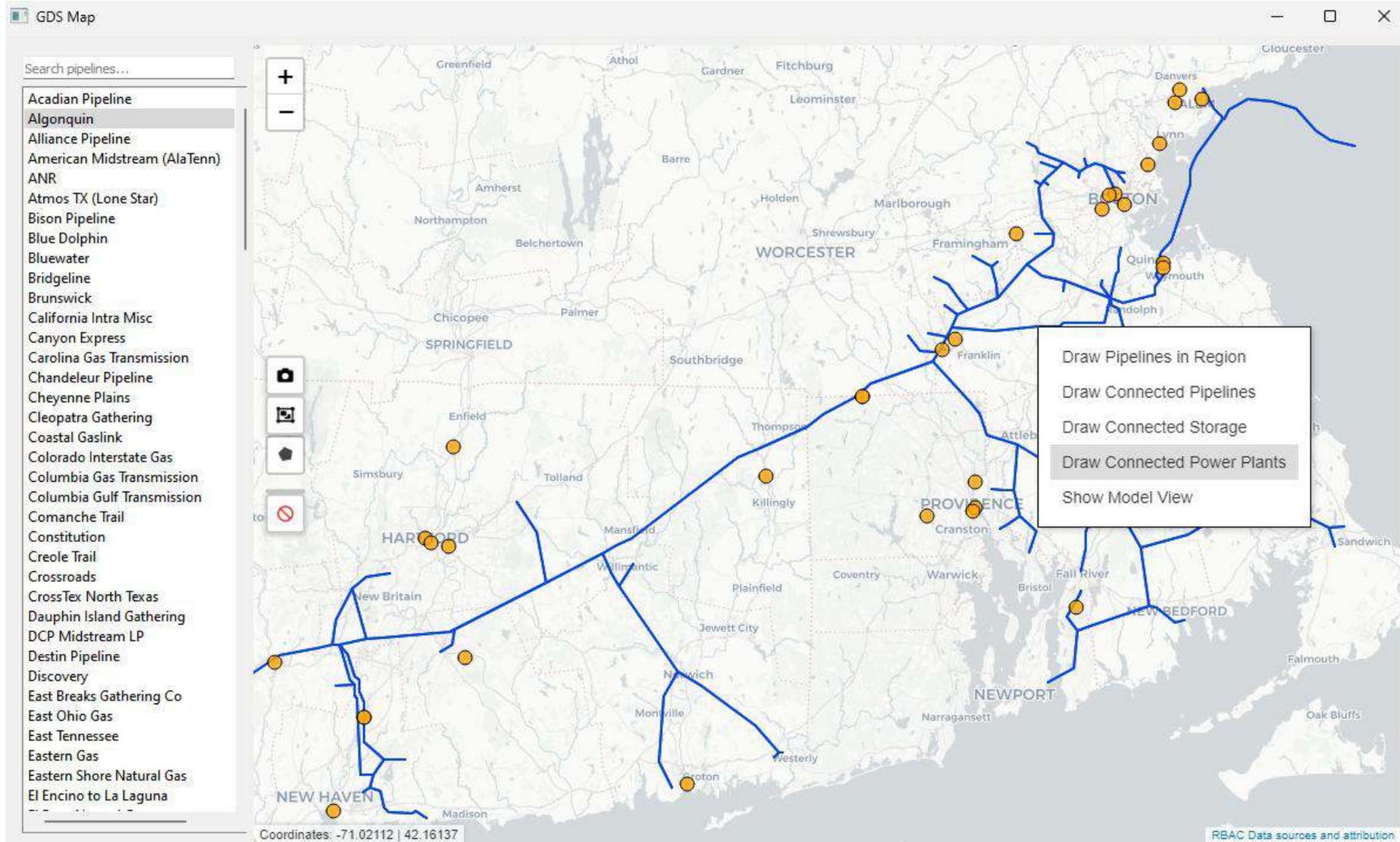
- Draw Pipelines in Region
- Draw Connected Pipelines
- Draw Connected Storage
- Draw Connected Power Plants
- Show Model View

At the bottom of the map, the coordinates are shown as "-69.30176 | 42.1634". A small link "RBAC Data sources and attribution" is visible in the bottom right corner of the map area.

# Storage connection



# Connected Power Plants





# Data attribution for pipeline locations

## **Secretaría de Energía (SENER)**

Government of Mexico – Sistema de Información Energética (SIE)

[sie-institucional.energia.gob.mx](http://sie-institucional.energia.gob.mx)

## **Canada Energy Regulator (CER)**

REGDOCS and BERDI platforms

[cer-rec.gc.ca](http://cer-rec.gc.ca)

## **Alberta Energy Regulator (AER)**

AER Compliance Dashboard and regulatory publications

[aer.ca](http://aer.ca)

## **BC Energy Regulator (BCER)**

Reports and Service Plans

[bc-er.ca](http://bc-er.ca)

## **Saskatchewan Ministry of Energy and Resources**

IRIS and GeoAtlas platforms

[saskatchewan.ca](http://saskatchewan.ca)

## **Manitoba Regulatory Services – Oil and Gas Unit**

Petroleum Branch

[gov.mb.ca](http://gov.mb.ca)

## **Ontario Energy Board (OEB)**

Corporate reports and regulatory filings

[oeb.ca](http://oeb.ca)

## **Régie de l'énergie (Quebec)**

Regulatory decisions and public hearings

[regie-energie.qc.ca](http://regie-energie.qc.ca)

## **Government of New Brunswick**

Energy publications and open data portals

[gnb.ca](http://gnb.ca)

## **U.S. Energy Atlas (EIA)**

[atlas.eia.gov](http://atlas.eia.gov)

## **U.S. Department of Energy (DOE)**

Official publications and datasets

[energy.gov](http://energy.gov)

## **U.S. Energy Information Administration (EIA)**

Statistical reports and tools

[eia.gov](http://eia.gov)

# Future Development Roadmap

- **More data**
  - Layers for compressor stations, data centers, supply locations
- **Drawing Capability**
  - Draw your own pipelines, add to existing ones
- **Increased App Connectivity**
  - GDS and GDS map pro connected directly to rGraph, able to show graphs directly
  - GDS Map pro displaying more feature information, capacities, flows