Form EIA-176 Query System

User's guide Version 7.0

Energy Information Administration U.S. Department of Energy

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EIA-176 Query System User's Guide

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Introduction

1.1 Purpose and Functions

The EIA-176 Query System is a PC-based system for users to produce reports and extract data from the EIA-176 database that is used to produce the *Natural Gas Annual*. Its purpose is to provide users with company-level data. This information is available in a format similar to the survey form for individual companies, as well as in files suitable for tabular calculation.

The query system has two functions. • The first is to provide individual company responses in a form that resembles the EIA-176 survey form. This is viewable on-line, and available in a printed form. Appendix A shows a sample EIA-176 form. Each respondent is available in the year they reported data on the form EIA-176.

• The second function is to provide files of EIA-176 data for use with other software packages. The query system provides two methods to obtain tabular data. (1) a set of 24 pre-selected queries. The information in these queries was designed to satisfy the bulk of data requests received by the EIA. Appendix B outlines the pre-selected queries and their data items. And;

(2) The second method is for user-selected queries. These queries offer users the ability to access sets of data items not included in the pre-specified queries. Appendix C outlines the available data items. Data in the pre-selected and user-selected queries includes adjustment entries made by EIA staff to ensure that EIA-176 and publication data balance.

Data sets from both query methods can be saved to separate files in a variety of popular formats that include: text, comma-delimited for spreadsheets, SDF files for use with dBase, and fixed width format for use in other software packages.

New in the pre-selected query section is a report of Name/Address data, a report detailing individual company items shown in the continuation pages of the form, and LNG activity.

1.2 Hardware and Software Requirements

The minimum hardware requirements needed to install and use the EIA-176 Query System are:

•An IBM-compatible personal computer (PC) – minimum Pentium 75 is suggested and 24 MB of RAM

•The Windows operating system 95, 98, 2000, XP or NT –4.0 Service Pack 3 or later* •Internet Explorer 5.0 or higher

- •An 80-column monitor
- •15 MB of hard-drive space

* - See the 'Getting Started' document for notes about installing and using the EIA-176 Query system with Access 2003.

2.0 Installing the Query System 2.1 Installing the EIA-176 Query System

To install the EIA-176 Query System on your PC:

- 1) Download the software from the EIA web site.
- 2) Open Windows Explorer and find the file. The name will depend on which version was selected. All executables will begin with **EIA176Qry**. The rest of the name will indicate the version of Access that was selected.
- 3) Double click on the file **EIA176Qry....exe** and follow the instructions.
- 4) As the installation begins, a 'Welcome' screen is displayed. Click the 'Next' button to continue.
- 5) The 'Select Destination Directory' screen will be displayed. Click the 'Next' button if you wish to continue the installation to the default directory C:\Program Files\EIA176Qry. If you wish to change the default directory, click the 'Browse' button.
- 6) The 'Ready to Install' screen will be displayed. To continue with the installation click on the 'Next' button.
- 7) A progress bar will appear.

8) When the installation is completed the 'Installation Completed' screen will be displayed. Note: In some instances you will be prompted to re-start you computer to complete the installation. This is normal and can be done immediately to use the query system, or later if so desired.

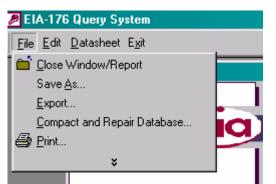
2.2 Starting the EIA-176 Query System

The query installation program creates a program group and a desktop icon for the EIA-176 Query System. The desktop icon starts the query system up immediately and appears on the desktop after the install program runs.

2.3 Compressing the File for best performance

The program group, which is available through the START menu has the EIA-176 Query System icon, as well as an option to Optimize (Compact and Repair) the query system. If you run a lot of queries and get unpredictable behavior from the application you should optimize the database.

The Optimize option should be run periodically so that the query database does not become fragmented. In the Access 2000 version the compact and repair option is available from the File Menu.



In Access 2000 or above run the Compact and Repair from the File menu.

	Wise Installer	•		
-	EIA Applications	•	Ť	Optimize Database
			Ś٩	The EIA-176 Query System
			*	Uninstall The EIA-176 Query System

In the Access 97 version use the Optimize Database option from the Program Group to repair the database.

3.0 Using the Query System

After a successful installation you can use the query system to print off individual company submissions or to generate data files from your Windows desktop by clicking the **START** button, then the **Programs** button. If your are using Access 2003 please see the "Getting Started" document for a description of some warning screens you may encounter. Select the EIA Applications items, and then click EIA-176 Query, and the Main Menu Screen of the query system is displayed, as show below:

3.1 Main Menu

EIA-176 Query System		Information Administration Official Energy Statistics from the U.S. Government	
The most current yea data are:	ars	EIA-176 Query System	
2005		View EIA-176 Respondents	
Other Years Available:	1997 1998 1999 2000 2001 2002 2003	Query EIA-176 Data	
	2003	Exit	
		Gas web site at:	
		Navigator at: //dnav/ng/ng_sum_top.asp	
-	u.uoe.go		
-			

The three main options available in the EIA-176 Query system are accessed via this menu. They are:

- 1) View EIA-176 Respondents: Click this to choose individual respondents and view or print their submissions
- 2) Query EIA-176 Data: Click this to choose pre-selected or user selected queries which will allow the user to save data to PC-compatible files
- 3) Exit: This ends the EIA-176 query.

Each option is described in the sections that follow.

3.2 View EIA-176 Respondent

3.2.1 Select a Company

After clicking the **View EIA-176 Respondents** button on the **Main Menu**, the following **Choose EIA-176 Company Screen** is displayed.

- 1) Select the report year first.
- 2) Select the retrieval method

🧱 View EIA-176 Resp	ondents - Choose Company(s)		
	View EIA-176 Responden	ts - Choose EIA-176 Company(s)	
You can select one or more companies by name or state.	Choose a retrieval method Select a Company in a Select a Company by f		1997 1998 1999 2000 2001 2002 2003 2004 2005
Use the arrow buttons to select a state or company.		P	⊻iew => ?rint Selections <= <u>B</u> ack

If you select a company by name you will see a list of EIA-176 company names. If you select a company in a state you will get a list of states. The companies will appear after you select a state.

3.2.1.1 Select a Company in a State

If you Select a **Company in a State** you'll see a list of states

Highlight the state(s) you want and use the single right pointing arrow located inbetween the two white boxes to move the state to the selected box.

To unselect a state use highlight it in the selected (leftmost) box and use the single left

pointing arrow **to** move the state out of the selected box.

Once you've selected a state click on the Select Company button to see available companies

<u>S</u>elect Company

within that state.

Use the mouse to select the company you want to view in the Companies available box. Click the

right pointing arrow to move it to the selected box on the right.

3.2.1.2 Select a Company by Name

🧱 View EIA-176 Re	spondents - Choose Company(s)	
	View EIA-176 Respondents - Choose EIA-176 Company(s)	
You can select one or more companies by name or state.	Please enter a report year: 1997 1998 1999 2000 2000 © Select a Company in a State 2002 2003 2003 2004	
Use the arrow buttons to select a state or company.	Select Respondent Name AZ ADJUSTMENT P L CO AZ BENSON CITY OF AZ BLACK MOUNTAIN GAS CO AZ CITIZENS COMMUNICATIONS AF AZ MESA CITY OF AZ MOLAVE PIPELINE COMPANY AZ MOLAVE PIPELINE COMPANY AZ SOUTHERN TRAILS PIPELINE C AZ SOUTHERN TRAILS PIPELINE C AZ SOUTHERN TRAILS PIPELINE COMPANTI AZ STAFFORD UTILITIES CITY OF AZ TDANSWESTERNI DIDELINE COLS	

El Paso Natural Gas has been selected.

3.3.2 View and Print EIA-176 Respondent Submission

To view the submissions click the **View=>** button.



<u>P</u>rint Selections

To print the submission without previewing it click the **Print Selection** button.

View Respondent result - Preview screen

	FORM EIA-176	OMB No. 1905-0175 Expiration Date: 12/31/2008 Version No.:2006.01 TAL GAS SUPPLY AND DISPOSITION
	FORM EIA-176	
	REPORT YEAR 2005	
confidentiality of information a Title 18 USC makes it a	rthe Federal Energy Administration Act of 1974 (Publi nd sanctions statements, see instructions. criminal offense for any person knowingly a ted States any false, fictitious, or fraudulen	and willingly to make to any Agency
Part I. RESPONDENT ID	ENTIFICATION	PART 2. SUBMISSION INFORMATION
Enter the name and mailing adds EIA ID Number Company Name : Operations in (State):	ra Li fo the company filing the EIA-178 17603864 EL PASO NATURAL GAS COMPANY AZ	A completed form must be flied by March 1 Forms may be submitted using one of the following methods: Mail to: ATTN EIA-176 Energy ifromation Administration, EI-45 U.S. Department of Energy P.O. Box 8273 Silver Spring, MD 20907 Email: 0.00.SURVEYS@eia.doe.gov Fax: (202)58E-1076 Secure File Transfer: https://doi.eia.doe.gov/upload/ncticeoog.jsp Questions? Call:1(877)800-5261

You can maximize the preview screen by clicking on the resize button in the upper right corner.

You can view subsequent pages of the preview screen by clicking the navigation buttons at the bottom of the screen.

Page: 1 1 1

The right pointing arrow > takes you to later pages.

The right arrow with the bar >| takes you to the last page. The left pointing arrow < takes you to earlier pages. The left arrow with the bar |< takes you to the first page. **3.2.2.1 View EIA-176 Company Menu**

The	View EIA-176 Comp	pany Menu lets y	you control this display.
-----	-------------------	------------------	---------------------------

🐴 El/	A-176 Query Sys	tem		
E <u>x</u> it	🛄 Page Setyp	\mathcal{P}	🖨 Print	i <u>⊂</u> lose

- Closes this application.

Page Setup..._ – Allow you to choose a printer and set the page orientation (portrait works best).

- Changes the magnification of the report.

- Sends the report to the printer.

Once you've returned to the Choose Company Menu you can exit this function by clicking on the **<=Return** button.

E<u>x</u>it

ρ

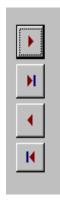
🞒 Print ...

<=<u>R</u>eturn

This will return you to the Main Menu.

3.2.2.2 Choose Company Arrow Functions

Below is a summary of what the arrow buttons in the Choose an EIA-176 Company do:



Moves the highlighted item in the left box to the right box.

Move all the items in the left box to the right box.

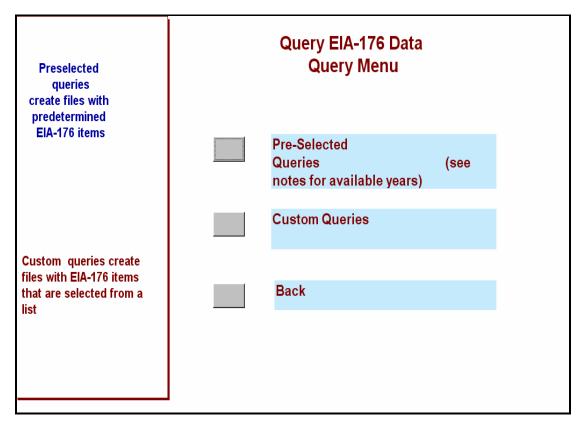
Moves the highlighted item in the right box to the left box.

Move all the items (highlighted or not) from the right box to the left box.

3.3 Query EIA-176 Data

To view, select the Query Menu from the Main Menu.

There are two query options: Pre-selected, and User-selected.



The **Pre-selected Queries** option offers 24 queries that can be run on all or selected companies. The queries and the data items they include are detailed in Appendix B.

The **User-selected Queries** option allows users to select other EIA-176 data items for inclusion in data fields. They have a structured format. The rows will always be EIA-176 companies; users may select column data values.

The following sections will describe these two options.

3.3.1 Pre-Selected Queries

Pre-selected queries are queries whose conditions have already been created. These queries save the user the trouble of having to set the desired conditions each time he/she wishes to run the pre-set query.

The following pre-set queries are available:

Sorted by:

State Volumes by sector (sales + transported) Prices by sector Rankings, by volume, national, and within States Type of Operations Other:

Detailed data on continuation lines.

The first step in the pre-selected queries is to choose the year and company(s) you want to query.

3.3.1.1 Select a Company Screen

The Select Company screen for the queries is quite similar to that described in the View Respondent option which is described in section 3.3.1.

Begin by selecting a year in the 'Please enter a report year:" .

You can select EIA-176 companies to include in your queries. If you want all companies choose the **Select All Companies** option, this retrieval method does not appear on the View Respondents menu. This will close this screen and go to the select queries screen.

The same white boxes that were used in the view respondent data are used here. If you **Select a Company in a State** you'll see a list of states to choose from.

Once you've made your selections click the Next=> button to select a query to run.



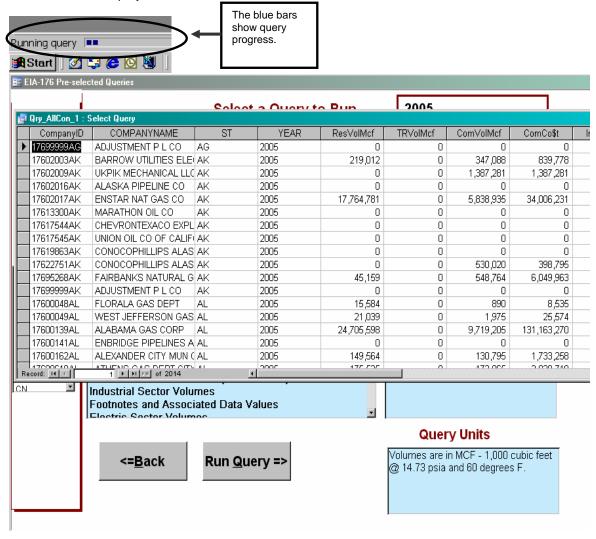
🧰 EIA-176 Pre-se	lected Queries	
	Select a Query to Run	2005
You have selected all	Selected Years:	
companies	Pre-selected Queries	Query Description
76 78 AG AK AL AR AU AZ BR CA CA CN		nis Query has the answers from mpanies on Part 3. This data is ly available in 2005.
		Query Units ount of how many alternative fuel chicles the company has.

A detailed description of each pre-selected query can be obtained by highlighting the query title. The description appears in the box titled Query Description. The units the query will display in are shown in the Query Units box.

Once you've selected a query by highlighting it, click the Run Query=> button to execute the query.

Run <u>Q</u>uery =>

The status bar is displayed at the bottom of the screen while the query is running. Some queries take a few moments to be displayed.



Query output is displayed in a grid on your screen.

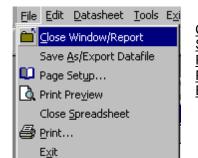
3.3.1.3 EIA-176 Query Menu Functions

Menu items at the top of the screen are used to filter output, or export to other data formats.

🔍 Mi	cros	oft Access	6	
<u>F</u> ile	<u>E</u> dit	<u>D</u> atasheet	<u>T</u> ools	E <u>x</u> it

File





<u>Close</u> – Closes the query grid. <u>Save As/Export</u> –Saves the data to another file <u>Page Setup</u> – lets you choose print settings <u>Print Preview</u> – Shows what a printout will look like <u>Exit</u> – Quits the Query system.

Close – Exits the select query window. **Save As/Export** - option opens an intermediate box.

.	EIA-176 Pre-sele	ected Queries				×	
5 (Qry_AllCon_1 : Se	elect Query				-	
	CompanyID	COMPANYNAME	ST	ResVol	ResCost	ResConsumers	Com
►	17602003AK	BARROW UTIL & ELEC COOP INC	AK	221,971	514,510.0	1,132	3
	17602009AK	UKPEAGVIK ARCTIC SLOPE	AK	0	0.0	0	1,4
	17602016AK	ALASKA P L CO Save As.			? X 0.0	0	
	17602017AK	ENSTAR NAT GAS C		\	 85,987.0	90,117	6,6
	17613300AK	MARATHON OIL C		0	< 0.0	0	
	17617544AK	CHEVRON USA PR	nal File or Database	Can	el 0.0	0	
	17617545AK	UNION OIL CO OF C	Current Database as		0.0	0	
	17619863AK	PHILLIPS ALASKA N			0.0	0	
	17622751AK	ARCO ALASKA INC	Qry_AllCon_1		0.0	0	7,0
	17600048AL	FLORALA GAS DEP			83,170.0	542	
	17600049AL	WEST JEFFERSON			18,993.0	520	
	17600139AL	ALABAMA GAS CORP	AL	27,027,305	258,7 19,088.0	430,069	9,7
	17600141AL	MIDCOAST INTERSTATE TRANS IN	AL	0	0.0	0	
Re	cord: III	1 ▶ ▶ ▶ of 1792 ◀			• • • • = • • • •	• aaa	

After you choose this option you will be presented with an initial '**Save As**' dialog box. Select the 'To an External File or Database' option, and click the OK button. You will not be able to access your file if you choose the 'Within the Current Database' option.

Note: This will look a little different depending on the version of MS Access that you are using. Under Windows XP and Access 2002 the Export screen will look as follows:

e E	IA-176 Pre-sele	ected Queries	:						
				Select		o Pun	2005		
	Qry_AllCon_1 :	Select Query	y						
	CompanyID	COMF	PANYNAME	ST	YEAR	ResVolMcf	TR∀olMcf	ComVolMcf	Corr
►	17699999AG	ADJUSTM	1ENT P L CO	AG	2005	0	0	0	
	17602003AK	BARROW	UTILITIES ELEI	AK	2005	219,012	0	347,088	
	17602009AK	UKPIK ME	ECHANICAL LLC	AK	2005	0	0	1,387,281	1,
	17602016AK		PIPELINE CO	AK	2005	0	0	0	_
	17602017AK		Export Query 'Qry	_AllCon_1' To				×	34,
	17613300AK	MARATH	Save in:	CareryOutput	5	- 🕒 - 🔰 🔇	🤉 🗙 📑 🎟 -	Tools 🔻	
	17617544AK	CHEVRO		 <	-		• • • •		1
	17617545AK	UNION C	À						
	17619863AK	CONOC	My Recent						
	17622751AK	CONOC	Documents						
	17695268AK	FAIRBAI							6,
	17699999AK	ADJUST							
	17600048AL	FLORAL	Desktop						
	17600049AL	WEST JI							101
	17600139AL 17600141AL	ALABAN							131,
	17600141AL 17600162AL	ENBRID							
		ALEXAN	My Documents						1,
Re	27000040.01	1 🕨	-						
CN		Industria							
		Footnot	My Computer						
		Electric							
			S 1						
			My Network	File <u>n</u> ame: qry	_allcon_1		Save formatted	Export All 🔻	
		ح		Save as <u>t</u> ype: Mic	rosoft Excel 97-2003	3 •	Autostart	Cancel	bic f
		_	,	1					<u>//</u>

Next you will be presented with a Windows dialog box. Headers may look better when you select Save Formatted.

You can put your own name into the File Name box.

📲 Qry_AllCon_1:S	elect Query				
CompanyID	COMPANYNAME	ST	ResVol	ResCost	ResConsumers
17602003AK	BARROW UTIL & ELEC COOP INC	: AK	221,971	514,510.0	1,132
17602009AK	UKF Save Query 'Qry_AllCon_1' In				? ×
17602016AK	AL/				
17602017AK	EN: Save in: ExportedFiles	•		🔠 🔠 🄳	
17613300AK	MA NewGasAct.xls New	vGasActI.xls	Qry_ConPrice_(6.xls 🕙 UQryP5	Export
17617544AK	CHE NewGasActB.xls *New	vGasActJ.xls	📲 Qry_ConRank_		
17617545AK	UNI NewGasActC.xls New	vGasActK.xls	🔊 Qry_ConRankS	T_5.xls	Cancel
17619863AK		vGasActL.xls	Dry_ConSrtSec		\frown
17622751AK		vGasActM.xls	🚆 Qry_Continuati		🗆 Sava
17600048AL		vGasActN.xls	Qry_nma_9.xls		Fornatted
17600049AL		vGasActO.xls	Qry_Prod_Cst8		\bigcirc
17600139AL	ALA NewGasActH.xls	_ConCT_4.xls	PUQryP4LXALL.×	is N	Autostart
17600141AL	MIC			<u></u>	Save
17600162AL	ALE			Text files may s	ave more successfully
17600618AL	ATH				ve Formatted box.
Record: 🚺 🔳					el files with this option
	File name: Qry_AllCon_1.xls		•	headers look nid in Excel.	ce when you open the
	Save as type: Microsoft Excel 97 (*.xls)	-	//00/1	
			7		essage EXTERNAL
	Not all file types are installed by def			-	NEXPECTED FORM
	Access, Change Option. Additional	file types are also av	ailable in the Offic	click the Save F	ormatted option.
			_/		
Different file tu	e options are available by p	ulling down th	Sava as	ilo Typo' list	how on shown

Different file type options are available by pulling down the <u>Save as File Type</u> list box as shown. By scrolling down the list of available file types you can choose dBase formats also. Once you've named your file and selected the file type to save as click the Export button to finish the operation.

Export

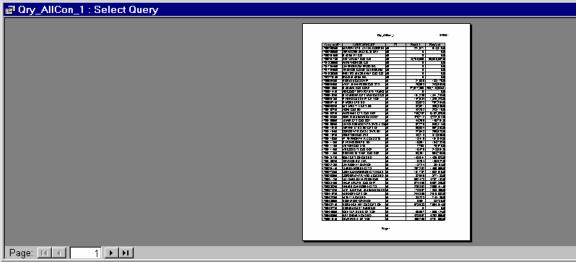
Page Setup

This option lets you set print settings and page orientation.

🖼 EIA-176 Pre-sele	ected Queries			×
Qry_AllCon_1 : Se	elect Query	Page Setup ?X		
CompanyID	COMPANYN	Margins Page	Cost	ResConsumers
17602003AK	BARROW UTIL & ELE		14,510.0	1,132
17602009AK	UKPEAGVIK ARCTIC	Margins (inches)	0.0	0
17602016AK	ALASKA P L CO	<u>T</u> op: 1"	0.0	0
17602017AK	ENSTAR NAT GAS CO		85,987.0	90,117
17613300AK	MARATHON OIL CO	Bottom: 1"	0.0	0
17617544AK	CHEVRON USA PROL		0.0	0
17617545AK	UNION OIL CO OF CA	Left: 1"	0.0	0
17619863AK	PHILLIPS ALASKA N	Right: 1"	0.0	0
17622751AK	ARCO ALASKA INC	Right: 1"	0.0	0
17600048AL	FLORALA GAS DEPT		33,170.0	542
17600049AL	WEST JEFFERSON (✓ Print Headings	48,993.0	520
17600139AL	ALABAMA GAS CORF		19,088.0	430,069
17600141AL	MIDCOAST INTERST/		0.0	0
Record: III	1 • • • • • • of 1792			4.000
	·			
	<= Boturn			
	<= <u>R</u> eturn			
		OK Cancel		
			J	

Most query output looks best with the print orientation Landscape. This can be selected from the Page tab.

Print Preview



The Print Preview buttons lets you see what the printout will look like.

Print

EIA-176 Pre-selected Queries							
	Qry_AllCon_1 : Se	elect Query					
	CompanyID	COMPANYNAME		ST	ResVol	Res	
	17602003AK	BARROW UTIL & ELEC CO	OP INC	AK	221,971	51	
	17602009AK	UKPEAGVIK ARCTIC SLOP	Έ	AK	0		
	17602016AK	ALASKA P L CO		AK	n		
	17602017AK	ENSTAR NAT GAS CO	📲 Printin	ng	x	56,58	
	17613300AK	MARATHON OIL CO		Now printing pag	je 3 of		
	17617544AK	CHEVRON USA PROD INC		'Qry_AllCon_1' t	to the		
	17617545AK	UNION OIL CO OF CALIFOI		GLATHURGHTT -			
	17619863AK	PHILLIPS ALASKA NAT GA		EPSON Stylus Photo	on LPT1:		
	17622751AK	ARCO ALASKA INC		Cancel			
	17600048AL	FLORALA GAS DEPT				13	
	17600049AL	WEST JEFFERSON GAS S	YS	AL	25,653	24	
	17600139AL	ALABAMA GAS CORP		AL	27,627,365	258,71	
	17600141AL	MIDCOAST INTERSTATE T	RANS IN	AL	0		
Re	cord:	1 • • • • • • of 1792	(Î Î Î			• •	

The Print button prints the grid off. Some of the queries may be large.

To use the Copy option the grid or column needs to be highlighted. The entire grid can be highlighted by clicking in the upper left corner (circled). Individual columns can be highlighted by clicking in the column header.

To use Find, select just one column by clicking on the column header. The ST column is highlighted in this example.

Elle Edit Datasheet Tools Exit								
. •	<u>C</u> opy		≧ ≫ ∽ 🤮 💝 2↓ 🕻 🍕 🦉 7 👭)* VX 🛅 ⁄a •	2			
	Eind		lect Query					
		CompanyID	COMPANYNAME	ST	ResVol	Res		
Click in the	►	17602003AK	BARROW UTIL & ELEC COOP INC	AK	221,971	5		
circle to highlight the		17602009AK	UKPEAGVIK ARCTIC SLOPE	AK	0			
entire grid.		17602016AK	ALASKA P L CO	AK	0			
		17602017AK	ENSTAR NAT GAS CO	AK	15,756,589	56,5		
		17613300AK	MARATHON OIL CO	AK	0			
		17617544AK	CHEVRON USA PROD INC	AK	0			
		17617545AK	UNION OIL CO OF CALIFORNIA	AK	0			
		17619863AK	PHILLIPS ALASKA NAT GAS CO	AK	0			
		17622751AK	ARCO ALASKA INC	AK	0			
		17600048AL	FLORALA GAS DEPT	AL	21,680	1		

With the column selected pull down the Edit menu and click on the Find option.

🖬 Qry_AllCo	n_1:Se	lect Query						
Compa	anylD	CON	IPANYNA	ME		ST	ResVol	ResCost F
1761830	0IN	OHIO VALLE	Y GAS INC	2	IN		440,343	2,850,052.0
1761900	4IN	RENSSELAE	R GAS UT	IL DEPT	IN		246,026	1,381,073.0
1761901	9IN	POSEYVILLE	MUN GAS	s co	IN		29,650	252,386.0
1761902	4IN	WESTFIELD	GAS COR	P	IN		103,846	867,427.0
1761963	3IN	TEXAS EAST	ERN TRAI	NS CORP	IN		0	0.0
1761980	7IN	SWITZERLAN	ID CTY NA	AT GAS CO	IN		49,851	378,354.0
1761989	2IN	BAINBRIDGE	MUN GAS	3	IN		25,260	203,595.0
1761991	2IN	NAPOLEON 1	OWN OF		IN		13,684	96,340.0
1761991	3IN	COMMUNITY	NAT GAS	CO INC	IN		481,939	3,571,059.0
1768060	8IN	NAT GAS P L	CO OF A	MERICA	IN		0	0.0
1769410	5IN	SIGCORE EN	IERGY SE	RVICES	IN		0	0.0
1769471	3IN	VECTOR PIP	ELINE		IN		0	0.0
1760003	2KS	ABBYVILLE	CITY OF		KS		4,515	25,395.0
Record: II	ĵĽ^	518	Find in field	I: 'ST'				? ×
		onsumption Vol	Fi <u>n</u> d What: Sea <u>r</u> ch: Matc <u>h</u> :		•		ase Fields As F <u>o</u> rmatted Only Curr <u>e</u> nt Field	Find First Eind Next Close

A dialog box will appear. Enter the value you wish to search for. After you've centered the value you want to find click either Find First, or Find Next. The grid will advance to the found value or tell you that no values exist.

Datasheet	
Datasheet Tools Exit A Eont III Freeze Columns 21 Sort Ascending 22 Sort Descending 23 Advanced Filter/Sort 24 Sort Descending 25 Advanced Filter/Sort 26 Apply Filter/Sort 37 Remove Filter/Sort 38 Remove Filter/Sort	Font- adjusts the type in the gridFreeze columns-makes the frozen columnalways appearSort Ascending/DescendingSort Ascending/Descending- sorts the data inthe grid by the selected columnAdvanced Filter- lets you enter some simplecriteria for data in the query.Apply Filter- is used in conjunction withAdvanced FilterRemove Filter/Sort- removed the AppliedFilter

Datasheet items allow you to manipulate the query that you've run.

COMPA CO	Font Eont: Arial Arial Black Arial Narrow BakerSignet BellGothic BellGothic Black Bernhard Modern Rom: Effects Effects Color: Black	Font style: Size: Regular 10 Regular 10 Italic Bold Italic 11 Bold Italic 16 18 20 V Sample AaBbYyZz Script: Western	? × t OK 73.0 Cancel 73.0 27.0 27.0 0.0 54.0 95.0 40.0 59.0 0.0 0.0 59.0 0.0 95.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
SYVILLE CITY	<u>C</u> olor:		95.0
nption Vols for	This is a TrueType font. This s your printer and your screen.	Western 💌	
<= <u>R</u> eturn			

The **Font** menu item changes the font of the data in the grid.

In this example, selecting Bold turns all the items bold.

7618300IN 7619004IN	OHIO VALLEY GAS INC	IN	
7619004IN			440,343
	RENSSELAER GAS UTIL DEPT	IN	246,026
7619019IN	POSEYVILLE MUN GAS CO	IN	29,650
7619024IN	WESTFIELD GAS CORP	IN	103,846
7619633IN	TEXAS EASTERN TRANS CORP	IN	C
7619807IN	SWITZERLAND CTY NAT GAS CO	IN	49,851
7619892IN	BAINBRIDGE MUN GAS	IN	25,260
7619912IN	NAPOLEON TOWN OF	IN	13,684
7619913IN	COMMUNITY NAT GAS CO INC	IN	481,939
7680608IN	NAT GAS P L CO OF AMERICA	IN	C
7694105IN	SIGCORE ENERGY SERVICES	IN	(
7694713IN	VECTOR PIPELINE	IN	C
7600032KS	ABBYVILLE CITY OF	KS	4,516
777777777777777777777777777777777777777	619633IN 619807IN 619892IN 619912IN 619913IN 680608IN 694105IN 694713IN	7619633INTEXAS EASTERN TRANS CORP7619807INSWITZERLAND CTY NAT GAS CO7619892INBAINBRIDGE MUN GAS7619912INNAPOLEON TOWN OF7619913INCOMMUNITY NAT GAS CO INC7680608INNAT GAS P L CO OF AMERICA7694105INSIGCORE ENERGY SERVICES7694713INVECTOR PIPELINE	7619633IN TEXAS EASTERN TRANS CORP IN 7619807IN SWITZERLAND CTY NAT GAS CO IN 7619892IN BAINBRIDGE MUN GAS IN 7619912IN NAPOLEON TOWN OF IN 7619913IN COMMUNITY NAT GAS CO INC IN 7680608IN NAT GAS P L CO OF AMERICA IN 7694105IN SIGCORE ENERGY SERVICES IN 7600032KS ABBYVILLE CITY OF KS

The **Freeze** column options lets you always display one column on the screen. To freeze columns place your cursor in the column you wish to always view. In this example that column is COMPANYNAME.



Qry_AllCon_1 : Select Query				
COMPANYNAME	ST	CompanyID	ResVol	ResCost R
▶ BARROW UTIL & ELEC COOP INC	AK	17602003AK	221,971	514,510.0
UKPEAGVIK ARCTIC SLOPE	AK	17602009AK	0	0.0
ALASKAPLCO	AK	17602016AK	0	0.0
ENSTAR NAT GAS CO	AK	17602017AK	15,756,589	56,585,987.0
MARATHON OIL CO	AK	17613300AK	0	0.0
CHEVRON USA PROD INC	AK	17617544AK	0	0.0
UNION OIL CO OF CALIFORNIA	AK	17617545AK	0	0.0
PHILLIPS ALASKA NAT GAS CO	AK	17619863AK	0	0.0
ARCO ALASKA INC	AK	17622751AK	0	0.0
FLORALA GAS DEPT	AL	17600048AL	21,680	133,170.0
WEST JEFFERSON GAS SYS	AL	17600049AL	25,653	248,993.0
ALABAMA GAS CORP	AL	17600139AL	27,627,365	258,719,088.0
MIDCOAST INTERSTATE TRANS IN	AL	17600141AL	0	0.0
Record: 1 1 1 1 1 1792	A	17000 (00.0)	101 200	· · · · ¬ · o o

Pull down on the Datasheet menu item and click Freeze columns.

💦 EIA-176 Query System	
Eile Edit Datasheet Tools Exit	The COMPANYNAME column always appears at the left. Even when scrolling to the
▲ Eont	right, COMPANYNAME stays on the screen:
Freeze Columns	
📴 Ji 🛃 Sort <u>A</u> scending	
Kara and a sort Descending	
Advanced Filter/Sort	
N Y Apply Filter/Sort	
🖌 🖌 🥳 Remove Filter/Sort	

E	Qry_AllCon_1 : Select Query			
	COMPANYNAME 📕	ComCost	ComConsumer	Othe
	BARROW UTIL & ELEC COOP INC	756,030	215	
	UKPEAGVIK ARCTIC SLOPE	507,003	3	
	ALASKA P L CO	0	0	
	ENSTAR NAT GAS CO	21,445,075	12,420	
	MARATHON OIL CO	0	0	
	CHEVRON USA PROD INC	0	0	
	UNION OIL CO OF CALIFORNIA	0	0	
	PHILLIPS ALASKA NAT GAS CO	0	0	
	ARCO ALASKA INC	9,296,911	25	
	FLORALA GAS DEPT	1,305	4	
	WEST JEFFERSON GAS SYS	25,366	22	
	ALABAMA GAS CORP	78,594,955	33,822	
	MIDCOAST INTERSTATE TRANS IN	0	0	
Re	cord: H (1) H) of 1792	<u>i</u> ^^^^	005	

Columns can be 'unfrozen' only by exiting the query grid.

Datasheet Tools Exit	<u>.</u>			
A Eont	🗠 🍓 😤 🛃 🖓 🛅 🖓 👫)* 🕅 🛅 ⁄a •	2	
🚻 Freeze Columns				
≜ ↓ Sort <u>A</u> scending	Duery			
X Sort Des <u>c</u> ending		eT.	Dec Vol	Ba
🛛 🎦 Advanced Filter/Sort		ST	ResVol	Re
Y Apply Filter/Sort	ROW UTIL & ELEC COOP INC	AK 🔰	221.07	Ę
😽 <u>R</u> emove Filter/Sort	PEAGVIK ARCTIC SLOPE	AK	0	
17602016AK	ALÁSKA P L CO	AK	0	
17602017AK	ENSTAR NAT GAS CO	AK	15,756,589	56,5
17613300AK	MARATHON OIL CO	AK	0	
17617544AK	CHEVRON USA PROD INC	AK 🖊	0	
17617545AK	UNION OIL CO OF CALIFORNIA	AK	0	
17619863AK	PHILLIPS ALASKA NAT GAS CO	λ.K.	0	
17622751AK	ARCO ALASKA INC	AK	0	
17600048AL	FLORALA GAS DEPT	AL	21,680	1
17600049AL	WEST JEFFERSON GAS SYS	AL	25,653	2
17600139AL	ALABAMA GAS CORP	AL	27,627,365	258,7
17600141AL	MIDCOAST INTERSTATE TRANS IN	AL	0	
Record: IN T	1 • • • • • • • • • • • • • • • • • • •	A.1	101 200	

To use the sort ascending feature select a column by clicking on the column heading. Pull down the Datasheet menu and click on Sort Ascending. The query will be sorted according to the values in the selected column.

 (Qry_AllCon_1 : Se	lect Query		
	CompanyID	COMPANYNAME	ST	ResVol
►	17680806TX	PANENERGY TEXAS INTRASTATE	TX	Q
	17694747ND	ALLIANCE PIPELINE	ND	0
	17692405FL	SOUTHERN NAT GAS CO	FL	0
	17692327IL	SOUTHWEST GAS STORAGE CO	IL	0
	17692326MI	SOUTHWEST GAS STORAGE CO	MI	0
	17690603MO	KN INTERSTATE GAS TRANSLLC	MO	0
	17690514CA	CPN PIPELINE COMPANY	СА	0
	17690506MS	DESTIN PIPELINE CO LLC	MS	0
	17692726NM	PINNACLE NATURAL GAS CO	NM	0
	17681218AR	OZARK GAS TRANS LLC	AR	0
	17692724MI	SEMCO ENERGY PIPELINE	MI	0
	17680619TX	LOWER COLORADO RIVER AUTHO	TX	0
	17680617LA	JEFFERSON ISLAND STRGE & HU	LA	0
_	17000015100		1.5.7	~

Sort descending works the same way.

 (Pry_AllCon_1 : Se	lect Query		
	CompanyID	COMPANYNAME	ST	ResVol
	17621931CA	SOUTHERN CALIFORNIA GAS CO	CA	251,452,001
	17610322IL	NICOR GAS	IL	221,009,522
	17610617CA	PACIFIC GAS & ELEC CO	CA 🖌	211,181,852
	17617183MI	CONSUMERS ENERGY CO	МІ	176,663,600
	17609432MI	MICHIGAN CONSOL GAS CO	MI	136,124,328
	17611456NJ	PUB SVC ELEC & GAS CO	NJ	132,611,115
	17670317OH	EAST OHIO GAS CO	он 🖊	131,187,521
	17610960IL	PEOPLES GAS LT & COKE CO		103,856,141
	17601565NY	KEYSPAN ENERGY DEL CO	N/	89,463,564
	17611459CO	PUB SVC CO OF COLORADO	<u>c</u> o	86,738,306
	17616235OH	COLUMBIA GAS DIST CO	OH	78,312,118
	17617436TX	TXU GAS DISTRIBUTION	TX	75,700,391
	17622739MN	RELIANT ENERGY MINNEGASCO	MN	68,957,997
	cord: III (1 N N N N N N		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

With sort descending the largest values appear first.

🛛 Freeze Columns			2			
Sort <u>A</u> scending	Juery					
Sort Descending Advanced Filter/Sort.	COMPANIAME	ST	ResVol	ResCost	ResConsumers	CommVol
Apply Filter/Sort	ROW UTIL & ELEC COOP INC	AK	221,971	514,510.0	1,132	387,816
K Remove Filter/Sort	PEAGVIK ARCTIC SLOPE	AK	0	0.0	0	1,465,764
17602016AK	ALÁSKA P L CO	AK	0	0.0	0	0
17602017AK	ENSTAR NAT GAS CO	AK	15,756,589	56,585,987.0	90,117	6,698,403
17613300AK	MARATHON OIL CO	AK	0	0.0	0	0
17617544AK	CHEVRON USA PROD INC	AK	0	0.0	0	0
17617545AK	UNION OIL CO OF CALIFORNIA	AK	0	0.0	0	0
17619863AK	PHILLIPS ALASKA NAT GAS CO	AK	0	0.0	0	0
17622751AK	ARCO ALASKA INC	AK	0	0.0	0	7,099,290
17600048AL	FLORALA GAS DEPT	AL	21,680	133,170.0	542	212
17600049AL	WEST JEFFERSON GAS SYS	AL	25,653	248,993.0	520	3,779
17600139AL	ALABAMA GAS CORP	AL	27,627,365	258,719,088.0	430,069	9,747,205
17600141AL	MIDCOAST INTERSTATE TRANS IN	AL	0	0.0	0	0
Record: IN A	1 ▶ ▶ ► of 1792	A.1	101 000			

To use the Advanced filter option no rows need to be selected. Just pull down the Datasheet menu and click on the Advanced filter option.

The filter design window will appear. This window can be resized by Ry_AllCon_1Filter1 : Filter stretching the edges. **1)** The first step is to copy the field * ٠ you want to search from the field CompanyID list into the criteria grid. COMPANYNAN ST RVol Ŧ You can either drag the name of the column you want to search or • sort by in the upper pane of the window into the criteria grid in the *. Field: lower pane of the window, or Sort: double click on a field to copy it to Criteria: the next available field cell in the or: grid. •

■ Qry_AllCon_1 : Se	-					_		
CompanyID	COMPANYNAME	ST	ResVol	F R	CommVol	С	IOO	OtherNugsVol
17618617AL	CALERA CITY OF	AL	57,665)2	20,917	5	10	1,688
17616576AZ	SOUTHWEST GAS CORP	AZ	26,146,540) 4	20,419,530	Э	'29	3,832,109
17608584CA	LONG BEACH CITY OF	CA	6,183,814)6	2,103,884	4	911	313,244
17610617CA	PACIFIC GAS & ELEC CO	CA	211,181,852)9	58,646,965	3) 48	660,992
17610644CA	PALO ALTO CITY OF	CA	1,366,627)3	1,363,762	7	?56	24,941
17602792CT	YANKEE GAS SVC CO	CT	13,298,447)0(7,237,666	3	950	241,615
17612046FL	INDIANTOWN GAS CO	FL	17,799)1	11,219	1	29	688,174
17613094GA	HOGANSVILLE CITY OF	GA	69,909)3	14,157	С	15	2,016
17608164IA	LAMONI MUN UTIL	IA	62,140)0	26,421	7	06	1,961
17619049IA	ROLFE MUN GAS SYS	IA	30,306)9	9,553	Э	41	4,492
17606308IL	ILLINOIS PWR CO	IL	33,642,111)8	14,213,095	5	528	1,964,110
17621016KY	RICHARDSVILLE GAS CO	KY	38,675)9	6,049	3	7	2,555
17616558MA	BAY STATE GAS CO	MA	23,083,858)4	6,339,596	7	104	137,634
Record: IN A	1 DIT of 37 (Filtered)			10	170.070			
						_		
Field: ONVa	l BVol	CVal						

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Qry_AllCon_1Filter1 : Filter Qry_AllCon_1 CompanyID COMPANYNAN ST RVol Field: Criteria: or: CompanyID COMPANYNAME ST RVol CompanyID COMPANYNAME ST RVol CompanyID COMPANYNAME ST RVol RVol RCost RConsumers CVol		2) By clicking on the Field colu you can get a list of fields in the	
Field: Sort: Criteria: Or: Ascending Descending (not sorted)	3) In this example we've selected the RVol field. You can pull down the sort cell and specify a sort order if you want.	Field: Sort: Criteria: or:	4) In the Criteria cell we've entered a condition that Rvol be greater than 900000.
Datasheet Iools Exit A Font III Freege Columns 2 Sort Ascending 2 Sort Desgending 2 Advanced Filter/Sort 2 Apply Filter/Sort 3 Remove Filter/Sort	5) Click on the Apply/Filter Sort toolbar button when you're ready to apply the filter. Any records that don't meet the criteria you specified will disappear from the view. They have been filtered out. If you click on the Remove Filter/Sort button they will appear again.		

COMPANYNAME	ST	ResVol
R NAT GAS CO	AK	17,418,738
MA GAS CORP	AL	26,272,623
/ILLE NAT GAS DEPT	AL	1,791,406
EAST ALABAMA GAS DIST	AL	1,729,012
GAS SVC CORP	AL	4,042,643
IATED NAT GAS CO	AR	1,232,041
SAS WESTERN GAS CO	AR	6,610,113
SAS OKLAHOMA GAS COF	AR	2,970,624
T ENERGY ARKLA	AR	25,186,915
XITY OF	AZ	1,024,299
NEST GAS CORP	AZ	24,913,465
S UTIL ARIZONA GAS DI V	AZ	5,527,658
EACH CITY OF	CA	6,683,055
GAS & ELEC CO	CA	234,195,449

6) The rows that appear should meet the criteria. A note: on full survey datasets it helps to have plenty of memory available. If you run a filter and nothing changes you may not have enough memory to process.

If you have enough memory, you are not limited to one field or value. You can select several fields in the criteria grid. The EIA-176 Query system offers standard operators

- = Equals
- > Greater than
- < Less than
- >= Greater than or equal to
- <= Less than or equal to
- <> Not

To specify AND/OR criteria place the operators in different rows of the criteria grid.

Field: ST Sort: Criteria: TX and MI or:		To express AND criteria within a single field use the AND operator This filter asks for a State value of TX AND MI.
Field: ST Sort: Criteria: or:	RVol 	To express AND criteria between fields put each criteria on the same row of the criteria grid. This statement asks for ST equal to TX and Rvol > 90000.

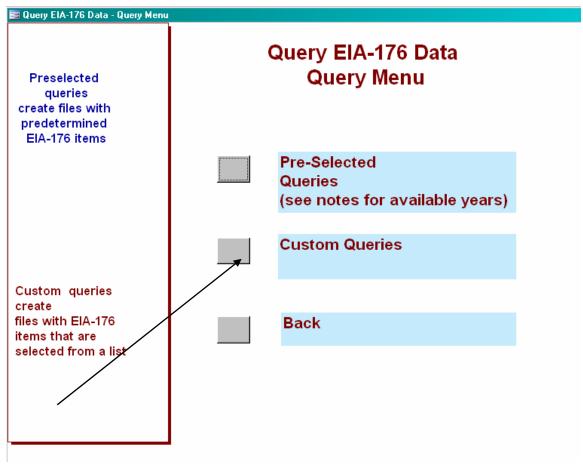
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Field: ST Sort: Criteria: "TX " Or "MI" or:	To express OR criteria within a single field use the OR operator. This statement asks for ST equal to TX OR MI
Field: ST	To express OR criteria between multiple fields place
Sort:	the criteria on separate rows of the criteria grid.
Criteria: "TX "	This statement asks for ST equal to TX or Rvol >
or:	90000.

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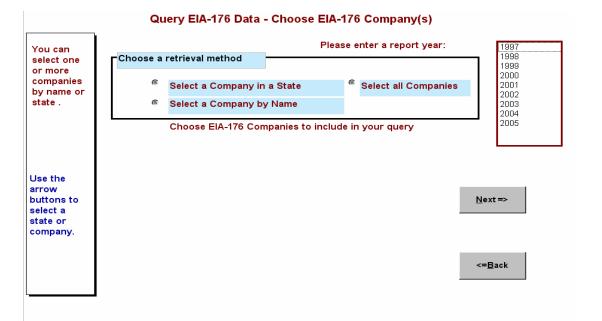
3.3.2 - Custom Queries

The **Custom Queries** option allows you to choose individual data items from the entire EIA-176 for inclusion in datasets. The methods are similar to those used in the Pre-selected queries.



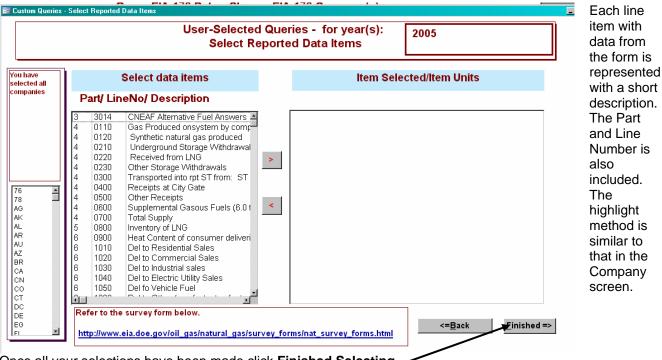
3.3.2.1 View EIA-176 Company Menu

First you will be prompted to select Companies and Year. This screen is similar to the Company selection screen in other parts of the query.



After you've selected companies and the year, you will go onto the Select Reported Data Items button. You'll be presented with a list of EIA-176 form data lines to pick from

3.3.2.2 Pick Reported Lines



Once all your selections have been made click Finished Selecting.

The items are labeled like the lines on the survey form. If you select the 'Natural Gas Survey Forms' hyperlink you'll be taken the Natural Gas survey form page, and can view a copy of the EIA-176 survey form and instructions. If you have questions about which items you want to see this can be useful.

EIA-176 Query System User's Guide

The units of the survey items are available in the Selected Items box after you select them:

Item Selected/ Item Units

4	0700	Total Supply	Mcf
4 6 6	1010	Del to Residential Sales	Mcf, Dollars, Count of Cons
6	1020	Del to Commercial Sale:	Mcf, Dollars, Count of Cons
6	1030	Del to Industrial sales	Mcf, Dollars, Count of Cons
6	1040	Del to Electric Utility Sale	Mcf, Dollars, Count of Cons

	a doe.gov Natural Gas		
	Naturai Gas		
	- Home > Natural Gas > Natural Gas Survey Forms		
Search EIA using	FIRSTGOV		
	60		
What's New Publications	Proposed Natural Gas Surveys		
Applications	· · · · · · · · · · · · · · · · · · ·		
Survey Forms	PIA's Natural Gas Division Survey Form Comments		\mathbf{i}
Sign Up for Email Updates	The public comment period for the natural gas forms clearance package,		
Contact Experts	seeking a 3-year extension for data collection activities, concluded Friday, May 6. EIA will review all comments before making a final)
Energy A-Z	proposal to OMB later this summer. Please contact: Steve Nalley at 202-		
Privacy/Security	586-0959 or <u>snalley@eia.doe.gov</u> should you have questions.		
Featured			
Publications	Current Survey Forms		
Recent Monthly Statistics		\sim	
Annual Data from 1949	Natural Gas Survey Forms Reserves Survey Forms		
Projections to 2025			
	Natural Gas Survey Forms	Forms	Instructions
	EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" A detailed State level balance of supply and disposition is reported by all companies which physically take possession of natural gas (e.g. synthetic gas producers, processors, distributors, storage operators, and pipeline operators) excluding producers and consumers. A <u>PC-based application</u> for filing this form is also available. Frequently asked questions about the form are answered in <u>FAQ</u> : Form 176	PDF XLS	<u>PDF</u>

3.3.2.3 Select Quantities and Build Calculated Items

Select Company Available Quantities. Calculated field.

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Aggregate functions Average Count Sun Investor Owned distributor Vincipality owned distributor (default is All) Investor Owned distributor Minicipality owned distributor Operations (default is All) Un-check available quantities to include or exclude quantities in you custom query Available Quantities Un-check available quantities to include or exclude quantities in you custom query Available Quantities Un-check available quantities to include or exclude quantities in you custom query Available Quantities Un-check available quantities to include or exclude quantities Available Quantities Un-check available quantities to include or exclude quantities Available Quantities Un-check available quantities to include or exclude quantities Available Quantities Un-check available quantities to include or exclude quantities Available Quantities Un-check available quantities to include or exclude quantities Available Quantities Un-check available quantities to include or exclude quantities Num of Vol Cost Consum Btu Mef Vol Cost Consum Btu Mef Vol Cost or Vol	Aggregate functions Count Sum Count
Operations (default is All) Municipally owned distributor Privately owned distributor Co-op distributor Available Quantities Quantities to include in Query Output Un-check available quantities to include or exclude quantites in you custom query Available Quantities Quantities to include in Query Output Line Part Number Description Vol Cost Consum Btu Mcf Num Vol Num of 0 Cost of 0 Cost of 0 Cost Consum Btu Num Vol	Operations (default is All) Municipally owned distributor Privately owned distributor Co-op distributor Co-op distributor Available Quantities Quantities to include in Query Output Un-check available quantities to include or exclude quantites in you custom query Available Quantities Quantities to include in Query Output Part Number Description Vol Cost Num of Consum Mcf Vol Num Vol Cost of Cost Num Vol Num Vol Vol Cost Vol
Line Part Number Description Vol Cost Consum Btu Mcf Num of Vol Num Cost of Btu Mcf 6 1010 Del to Residential Sales Y Y Y Y Y 6 1020 Del to Commercial Sales Y Y Y Y Y 6 1030 Del to Electric Utility Sales Y Y Y Y Y	Line Description Vol Cost Num Rum of Num Q0700 Total Supply Y Y Y Y Image: Cost of the state of the sta
Part Number Description Vol Cost Consum Btu Mcf Vol Cost of Btu Mcf 0700 Total Supply Y	Part Number Description Vol Cost Consum Btu Mcf Vol Cost of Btu Mcf [4] 0700 Total Supply Y Y Y Y Y Y [6] 1010 Del to Residential Sales Y Y Y Y Y Y [6] 1020 Del to Commercial Sales Y Y Y Y Y Y [6] 1030 Del to Industrial sales Y Y Y Y Y Y
6 1010 Del to Residential Sales 6 1020 Del to Commercial Sales 7 Y Y 8 1020 9 Del to Commercial Sales 9 Y 9 Y 9 Y 9 Y 9 P 9 1020 1030 Del to Industrial sales 9 Y 9 P 9 1040 1040 Del to Electric Utility Sales 9 Y 9 Y 9 Y 9 Y 9 Y 9 Y 9 Y 9 Y 9 Y 9 Y	6 1010 Del to Residential Sales 6 1020 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 8 Y 9 Y
6 1020 Del to Commercial Sales Y	6 1020 Del to Commercial Sales Y Y Y Image: Commercial Sales 6 1030 Del to Industrial sales Y Y Y Image: Commercial Sales
6 1030 Del to Industrial sales 6 1040 Del to Electric Utility Sales 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 7 Y 8	6 1030 Del to Industrial sales Y Y Y T
	6 1040 Del to Electric Utility Sales Y Y Y M M I I

For each line item you select this portion of the screen will have a row.

The **Available Quantities** portion shows you what quantities are available for this item. The **Quantities to include** portion allows you to include or exclude quantities.

For this example, if you aren't interested in the Number of Consumers for deliveries to Residential Sales, you would use the mouse to deselect that item, and it won't appear in your query data file.

Type Of Operations

You can select multiple Types of Operations if you choose.

If no selection is made, all types are included. If they are all included they are not identified.
Aggregate functions

		When you
Aggregate functions		select
	Sum 🖌	Aggregate
		functions

The Aggregate functions provide summary statistics for all the companies selected. The Aggregate functions, the Type of Operations, and the Add calculated functions are mutually exclusive.

B User Selected Queries - Select Quantities and build Calculated Items								
<= <u>B</u> ack	Make your type of operations and quantity selections before clicking Complete.	Add a Calculated Field =>	Com <u>p</u> lete=>					
Aggregate functions	Average Count Sum V							
Select a Type of Operations (default is All)	Investor Owned distributor Municipally owned distributor Privately owned distributor Co-op distributor Co-op distributor							

In the following example the Aggregate function has been grouped by Delivered to Consumers

Ē	📰 Dynamic_Query : Select Query									
	ST	Year	SmDIResSalVI	SmDIResSalCs	SmDIResSalN(
	AK	2000	17633864	64256459	88924					
	AL	2000	42426740	353824275	770220					
	AR	2000	36244801	261571912	554121					
	AZ	2000	32940263	300781424	802469					
	CA	2000	564574838	3737597351	9318830					
	CO	2000	111748319	601688106	1265032					
	CT	2000	38364174	404416826	442457					
	DC	2000	13182680	114736868	126714					
	DE	2000	8862099	76480714	115961					
	FL	2000	13688251	158653956	556627					
	GA	2000	59425592	259730510	867480					
	HI	2000	523675	9933834	30708					
	IA	2000	71408355	435303833	798790					
Re	cord: 🚺 🔳	1 🕨 🕨	* of 51	•						

The results of the query with sum aggregate function. Notice that the column headers all start with Sm – for Sum.

other

options

become

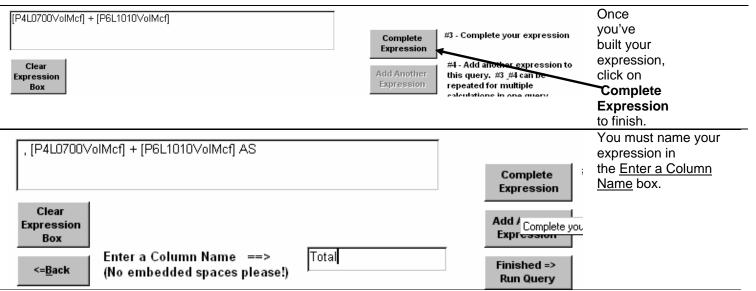
disabled.



	EIA-176 Query System File Edit Datasheet Tools Close Save As/Export Page Setup Page Setup Close Close Close Datasheet View Print Print Exit Datasheet View	The File menu provides your query output options. Close – closes the query and returns you to the selection screen. When you return to the selection screen your company, year and data item selections will still be in place. Any aggregate functions will be cleared.
, <mark>I</mark>	Image: selected Queries Select Quantities and build Calculated Ite Image: selected Queries Make your type of operations and quantity <= <u>Back</u> Clicking Complete.	
	Aggregate functions	
	Select a Type of Operations (default is All) Investor Owned distributor Municipally owned distributor Privately owned distributor Co-op distributor	
	Un-check available quantities to include or exclude quantites in you custom query	Available Quantities Quantities to include in Query Output
•	Line Description 4 0700 Total Supply 6 1010 Del to Residential Sales 6 1020 Del to Commercial Sales 6 1030 Del to Industrial sales 6 1040 Del to Electric Utility Sales 4 4	Num of Cost Consum Btu Mcf Vol Cost of Vol Cost of Btu Mcf Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y

To Add a Calculated Field make your quantity selections first, and don't select an Aggregate function. Then click on the Add a Calculated Field button. This opens another window.

10/18/07



If you want to add another expression click add Another Expression=>.

The expression box will be cleared out and you can start another expression. Your first expression will be held for the query.

When you are finished, click **Finished=> Run Query**. This will immediately run the query.

Note: you can click and edit the expression in the expression box.

🖥 Dynamic_Query	: Select Query								
CompanyID	ST	COMPANYNAME	Year	P4L0700VolMcf	P6L1010VolMcf	PEP6 F PE	FFP	E P F	TOTAL .
17600032KS	KS	ABBYVILLE CITY OF	2005	5020	3945	J1 -02 3 4	2 2 0	0)	8965
17600033IA	IA	MOULTON MUN GAS SY	2005	17970	16556	02 -03 4 01)))() () (34526
17600034IA	IA	BEDFORD CITY NATURA	2005	65112	43278	02 -04 5 02)))(0)	108390
17600035IL	IL	TOLDEDO VILLAGE OF	2005	44523	30534	02 -04 5 01	3 3 C	0)	75057
17600036IL	IL	SIMS VILLAGE OF	2005	8346	7876	32-02-3-4)))(0)	16222
176000371L	IL	GRAND TOWER CITY OF	2005	14249	10231	32 -03 4 31)))(0)	24480
17600039IL	IL	SHAWNEETOWN MUN G	2005	31256	25218	32 -03 4 31)))(0)	56474
17600040IL	IL	PITTSBURG GAS CO	2005	9199	8315	32 0 3 0)))(0)	17514
17600041LA	LA	ABITA SPRINGS NATURA	2005	46578	27954	32-04-5-31)))(0)	74532
17600042IL	IL	NEW BOSTON MUN GAS	2005	28881	23307	02 -03 4 01)))(0)	52188
17600043IL	IL	PLEASANT HILL VILLAGE	2005	42048	29211	02-04-5-01)))(0)	71259
17600044IL	IL	PAWNEE VILLAGE OF	2005	94319	75695)2 -03 5)1	3 1 0	0)	170014
17600046GA	GA	COLQUITT GAS SYS CIT	2005	25937	2097)1 -04 5)1)) (0)	28034
17600047GA		CAIRO NAT GAS SYS	2005	145804	53477	13-04 5 12	1 2 C	וחו	199281

The columns have been resized and hidden (by clicking in the column headers) to show the TOTAL variable. It is the sum of DLResSalVol And DIComSalVol.

Because the columns were edited in the datasheet, this prompt appears after choosing the Close option from the File Menu. Dynamic_Query is where user selected-queries are temporarily stored. It does not matter if they are saved or not.

Query : Select Query							
Year	DIResSalVol	DII DI	DIComSalVol	DIC D DI	D DIII		
2000	4427	04)1	824	+03 1 32	13 2		
2000	19253	05)2	5900	+04 1 0	0 0		
2000		ດຢາກ	07070	105 D D	ρ		
-176 Query 9	5ystem				Ľβ		
A			- Investor (IDv		un þ		
!\ Do you	want to save chang	jes to th	ie layout of query Dy	namic_Quer	۶ þ		
_					þ		
m		NL-	1	1	þ		
<u> </u>		<u>IN</u> O			þ		
2000	26343	05)2	4875	+04 1 0			
	2000 2000 -176 Query S Do you	2000 4427 2000 19253 -176 Query System Do you want to save chang	2000 4427 04)1 2000 19253 05)2 -176 Query System Do you want to save changes to th Yes <u>No</u>	2000 4427 04 11 824 2000 19253 05 12 5900 -176 Query System 27070 27070 Do you want to save changes to the layout of query 'Dy Yes No Cancel	2000 4427 04 11 824 +03 1 32 2000 19253 05 32 5900 +04 1 0 2000 53014 05 32 57070 +05 3 -176 Query System Do you want to save changes to the layout of query 'Dynamic_Query Yes No Cancel		

After you close the query you're returned to the **Select Quantities and build Calculated Items Menu**.

	ser Sel	ected Queries	- Select Quantities and build Calculated	ltems					
	<= <u>B</u> a	ck	Make your type of operations and quanti clicking Complete.	ty selections l	efore		alculated ld => Co	m <u>p</u> lete=>	
Agg	gregat	te functions	Average A Count Sum Y						
0	Select a Type of Operations (default is All) (default is All) Operations (default is All) Operations (default is All) Operations (default is All) Operations Operat								
	Un-c	heck available:	quantities to include or exclude quantites in you custom query	Availabl	Available Qualitutes			antities to include 🔺 n Query Output	
Part	Line t Numl	ber	Description	Vol Cost	Num of Consum	Btu Mcf	Num Vol Costof	Btu Mcf	
Part 4	t Numl	ber Total Supply	Description	Y		Btu Mcf	Vol Cost of	Btu Mcf	
	t Num 0700 1010	Total Supply Del to Resider	ntial Sales	Y Y Y	Consum Y	Btu Mcf	Vol Cost of	Btu Mcf	
4 6 6	t Numl 0700 1010 1020	Total Supply Del to Resider Del to Comme	ntial Sales ercial Sales	Y Y Y Y	Consum Y Y	Btu Mcf	Vol Cost of Image: Cost of Image: Cost of <td>Btu Mcf</td> <td></td>	Btu Mcf	
4 6	t Numi 0700 1010 1020 1030	Total Supply Del to Resider Del to Comme Del to Industri	ntial Sales ercial Sales ial sales	Y Y Y Y Y	Consum Y Y Y	Btu Mcf	Vol Cost of Image: Cost of Image: Cost of <td>Btu Mcf</td> <td></td>	Btu Mcf	
4 6 6	t Numi 0700 1010 1020 1030	Total Supply Del to Resider Del to Comme	ntial Sales ercial Sales ial sales	Y Y Y Y	Consum Y Y	Btu Mcf	Vol Cost of V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V	Btu Mcf Image: Constraint of the second s	
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4 6 6	t Numi 0700 1010 1020 1030	Total Supply Del to Resider Del to Comme Del to Industri	ntial Sales ercial Sales ial sales	Y Y Y Y Y	Consum Y Y Y	Btu Mcf	Vol Cost of V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V	Btu Mcf Image: Constraint of the second s	
4 6 6	t Numi 0700 1010 1020 1030	Total Supply Del to Resider Del to Comme Del to Industri	ntial Sales ercial Sales ial sales	Y Y Y Y Y	Consum Y Y Y	Btu Mcf	Vol Cost of V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V	Btu Mcf Image: Constraint of the second s	
4 6 6	t Numi 0700 1010 1020 1030	Total Supply Del to Resider Del to Comme Del to Industri	ntial Sales ercial Sales ial sales	Y Y Y Y Y	Consum Y Y Y	Btu Mcf	Vol Cost of V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V	Btu Mcf Image: Constraint of the second s	
4 6 6	t Numi 0700 1010 1020 1030	Total Supply Del to Resider Del to Comme Del to Industri	ntial Sales ercial Sales ial sales	Y Y Y Y Y	Consum Y Y Y	Btu Mcf	Vol Cost of V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V	Btu Mcf Image: Constraint of the second s	

To run the query you just constructed again you can click **Run Query**.

Exit returns you to the main queries menu.

Appendix A – EIA-176 Survey Form

Appendix B – Pre-Selected Query Items

Query description	Query Memo
Answers to Question in	
Part II about Alternative	This Query has the answers from companies on Part 3.
Fuel Vehicles	This data is only available in 2005.
All Part IV & V Items	
(Volumes)	This Query has all Part IV & V Volume items.
All Part VI Items	-
(Volumes, Costs)	This Query has all Part VI Volume and Cost items.
All Sector Items	
(Volumes, Costs,	All consumption items by part and line number. In an easy
Consumers)	to pivot format for Excel.
All Sector items sorted by state	This query includes company data sorted by state for lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6. Volumes and Number of Consumers are available for all lines. Costs are only available for lines 10.1 thru 10.4, and 10.6.
Sector Sector Prices	Consumption Sector Prices in an easy to pivot format for multiple years
Residential Sector Volumes - Delivered, Transported, Total	Residential sector volumes - delivered, transported and total.
Company Name Information	This query includes the Company Name, State of Operation and the Type of Operations category they reported.
Commercial Sector Volumes	Commercial sector volumes - delivered, transported and totals.
Detail level Continuation Lines	This query shows continuation lines with the company reference for Parts 4 & 5.
Interstate Movement Lines (3.0 and 14.0)	This Query shows lines 3.0 and 14.0. It can be pivoted in Excel to replicated Table 12 from the Natural Gas Annual. Industrial sector volumes - delivered, transported and
Industrial Sector Volumes	totals.
Footnotes and Associated Data Values	This query shows data values and associated footnotes for selected companies.
Sector Vols sorted by sector	This query includes company data sorted by sector - Residential, Commercial, Industrial, Electric, and Vehicle Fuel . The query includes volumes with delivered and transported items.
Electric Sector Volumes	Electric sector prices - delivered, transported, and totals.
Sector Vols ranked nationally	This query includes company data sorted by volume amounts. Consumption delivered to consumer items - lines 10.1 thru 10.4, and 10.6 are added to consumption transported items -lines 11.1 thru 11.4 and 11.6 to rank companies nationally.
	• •
Vehicle Fuel Volumes	Vehicle Fuel Volumes - delivered, transported and totals.
Total Delivered including	This supervises as store including a starting
176 Electric	This query has sectors including electric.
Sector Vols ranked by state	This query includes Company data sorted and ranked by volume amount by state. Consumption delivered to consumer items -lines 10.1 thru 10.4, and 10.6- are added to consumption transported items -lines 11.1 thru 11.4 and

Query description	Query Memo
	11.6.
LNG & Underground Gas Storage	This Query has LNG and Underground Storage Injections & Withdrawals, as well as LNG Inventory at the end of the year.
Sector Prices sorted by sector	This query includes prices for consumption data - lines 10.1 thru 10.4, and 10.6 - only. Costs are not collected for transported consumption sector.
Sector Vols for Investor Owned Distribution Companies	This query includes only companies who checked A on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Municipally Owned Distribution Companies	This query includes only companies who checked B on Section II. Type of Operations. It covers lines 10.1 thru 10.4 and 10.6. who checked B on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Privately Owned Distribution Companies	This query includes only companies who checked C on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Cooperatively Owned Distribution Companies	This query includes only companies who checked D on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Other Distribution Companies	This query includes only companies who checked E on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Interstate Pipelines	This query includes only companies who checked F on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Intrastate Pipelines	This query includes only companies who checked G on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Storage Operators	This query includes only companies who checked H on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Synthetic Natural Gas Plant Operators	This query includes only companies who checked I on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Producers	This query includes only companies who checked J on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6. This query includes only companies who checked K on Section II. Type of Operations. It covers lines 10.1 thru
Sector Vols for Gathers Sector Vols for Liquefied Natural Gas (LNG) Operators	10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6. This query includes only companies who checked L on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.
Sector Vols for Other Operators	This query includes only companies who checked M on Section II. Type of Operations. It covers lines 10.1 thru 10.4, and 10.6 and lines 11.1 thru 11.4 and 11.6.

UserQueryName	UQPart	UQLin
Number of Alternative Fuel Vehicles	3	3014
Gas Produced onsystem by company	4	0110
Synthetic natural gas produced	4	0120
Underground Storage Withdrawals	4	0210
Received from LNG	4	0220
Other Storage Withdrawals	4	0230
Transported into rpt ST from: ST or Cntry	4	0300
Receipts at City Gate	4	0400
Other Receipts	4	0500
Supplemental Gasous Fuels	4	0600
Total Supply	4	0700
Inventory of LNG	5	0800
Heat Content of consumer deliveries	6	0900
Del to Residential Sales	6	1010
Del to Commercial Sales	6	1020
Del to Industrial sales	6	1030
Del to Electric Utility Sales	6	1040
Del fo Vehicle Fuel	6	1050
Del to Other (see footnotes for type)	6	1060
Trans to Residential Consumers	6	1110
Trans to Commercial Consumers	6	1120
Trans to Industrial Consumers	6	1130
Trans to Electric Utilities	6	1140
Trans for Vehicle Fuel use	6	1150
Trans to Other (see footnotes for type)	6	1160
Pipeline Compressor Use	6	1210
New Pipeline Fill	6	1220
Distribution Company Use	6	1230
Other (see footnotes for type)	6	1240
Underground Storage Injections	6	1310
Liquefied natural gas (LNG) Injections	6	1320
Other Storage Injections (see footnotes for type)	6	1330
Trans to State Line: Comp ST/Cntry	6	1400
Lease Use	6	1500
Returned to oil and/or gas reservoirs	6	1600
Losses from leaks, migration, damage and/or	6	1700
Other Disp: Distribution Companies	6	1810
Other Disp: Other Pipelines	6	1820
Other Disp: Storage Operators	6	1830
Other Disp: Other (Specify type)	6	1840
Total Disposition	6	1900
Unacc't for gas supply	6	2000

Appendix C – User Selected Query Item names