Form EIA-176 Query System

User's guide

Version 2.1

Energy Information Administration
U.S. Department of Energy

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1.0 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 Energy Information Administration (EIA) form, 'Annual Report of Natural and Supplemental Gas Supply and Disposition' (EIA-176) database that is used to produce the *Natural Gas Annual (NGA)* publication. Its purpose is to provide users with annual company-level data as reported to EIA, 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: 1) to provide individual company level responses in a format that resembles the EIA-176 filings. This is viewable on-line, and available in a printed form. A blank sample of the form EIA-176 form is available on the EIA web site at http://www.eia.doe.gov/oil_gas/natural_gas/survey_forms/nat_survey_forms.html.

2) to provide files of the EIA-176 data in a variety of output format that may be imported into various software packages. The query system provides two methods to obtain tabular data. The first is a set of 24 pre-selected queries. The information in these queries was designed to satisfy the most commonly asked questions received by the EIA. Appendix B outlines the pre-selected queries and their respective data items.

The second method is Custom 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 form EIA-176 and NGA 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 and a report detailing individual company items shown in the continuation pages of the form.

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, 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

2.0 Installing and starting the EIA-176 Query System

2.1 Installing the EIA-176 Query System

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

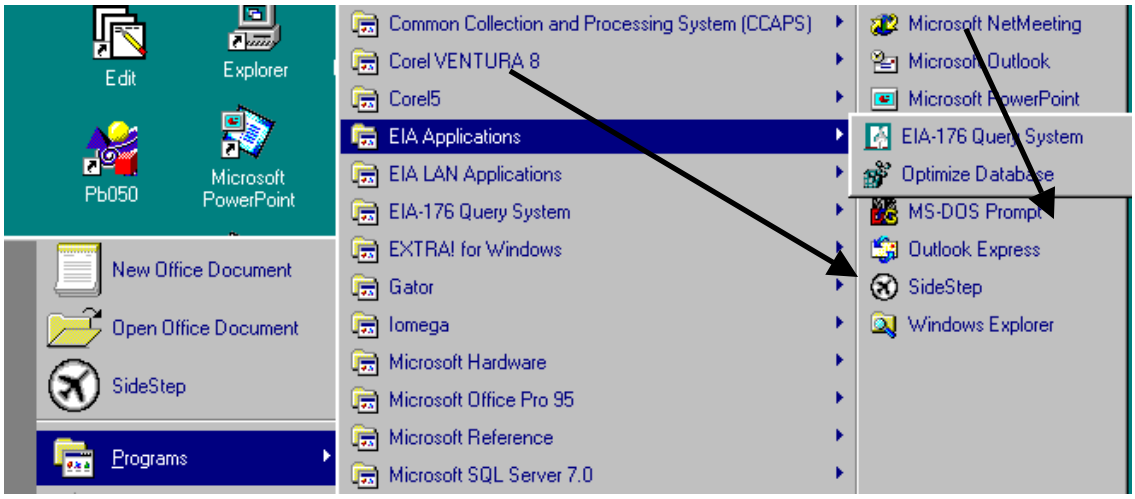
1) Download the software from the EIA web site.
2) Open Windows Explorer and find the file which is called **EIA176Qry2001.exe**.
3) Double click on the file EIA176Qry2000.exe and follow the instructions.
4) As the installation begins, a 'Welcome' screen is displayed. Click the 'Next' button to continue.
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 your 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.

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.

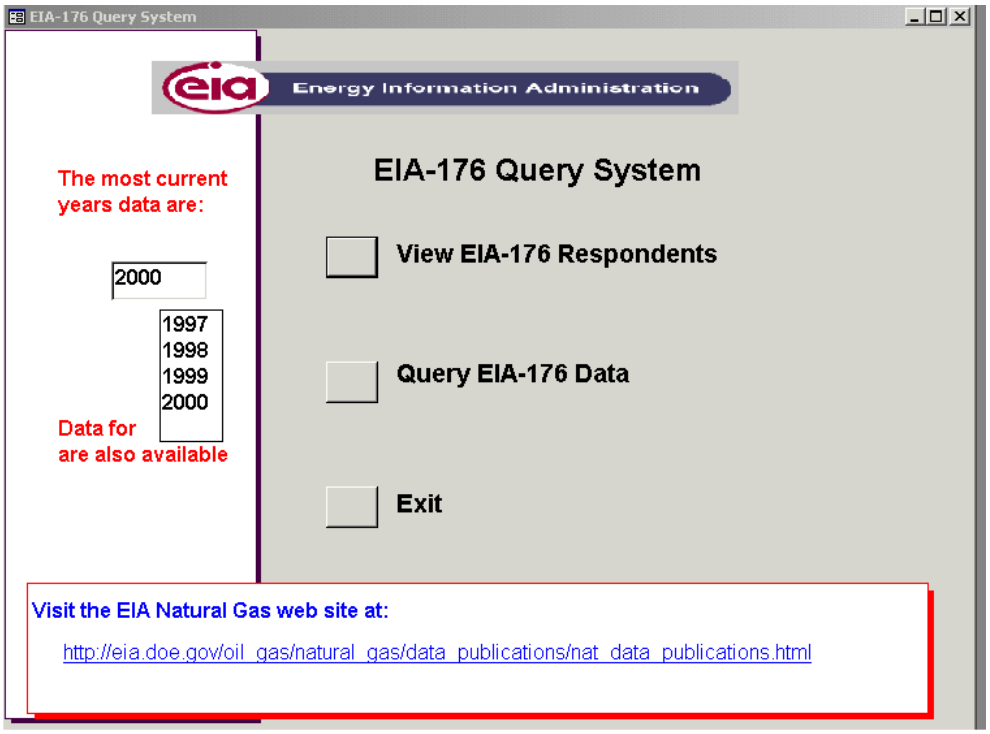


The Optimize option should be run periodically so that the query database does not become fragmented.

3.0 Using the EIA-176 Query System

After a successful installation the query system can be used to print off individual company submissions or to generate data files from the Windows desktop by clicking the START button, then the **Programs** button. 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



Query Main Menu

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

View form EIA-176 Respondents: Click this to choose individual company respondents and view or print their submissions

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 file

Exit: This closes the EIA-176 query application.

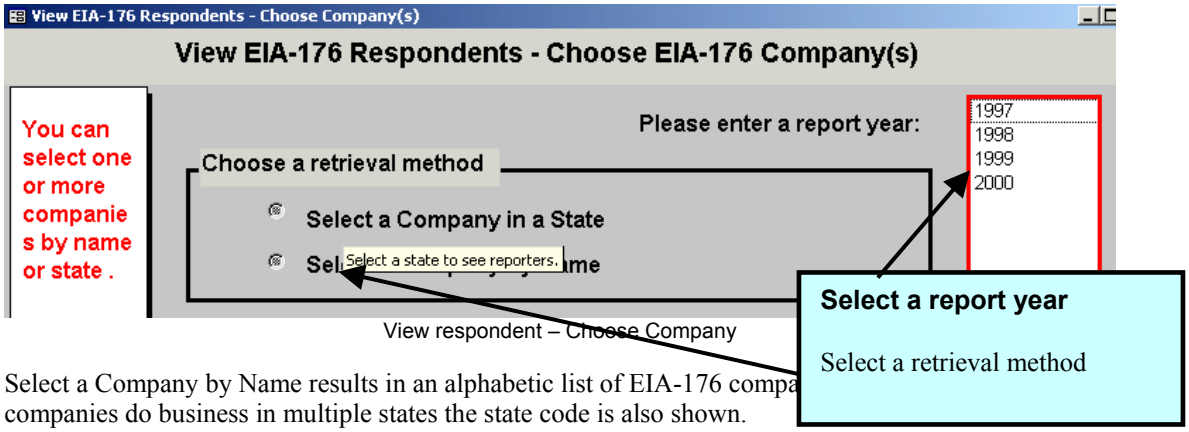
Each option is described in the sections that follow.

3.2 View EIA-176 Respondent

The View EIA-176 Respondent option provides the ability to view individual company filings, including footnotes and detailed continuation lines for gas shipped across state lines.

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. To select a company to view first select the report year. Then a retrieval method



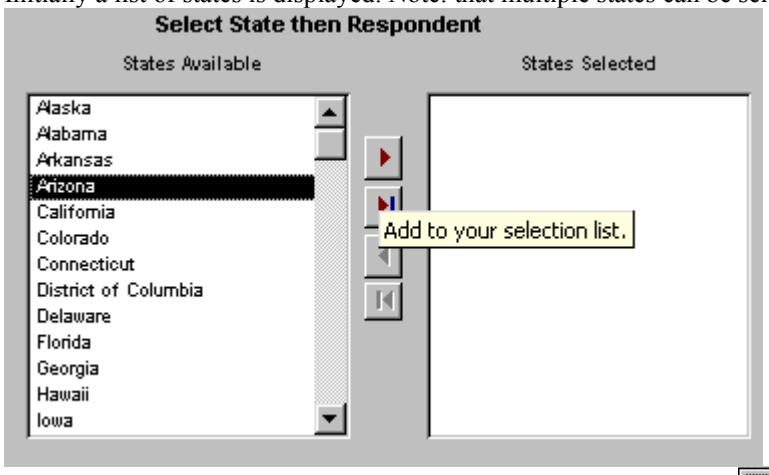
View respondent – Choose Company

Select a Company by Name results in an alphabetic list of EIA-176 compa
companies do business in multiple states the state code is also shown.

Select a Company in a State in this tow part selection you first select a state, then companies within those state(s).

3.3.2 Select a Company in a State

Initially a list of states is displayed. Note: that multiple states can be selected.



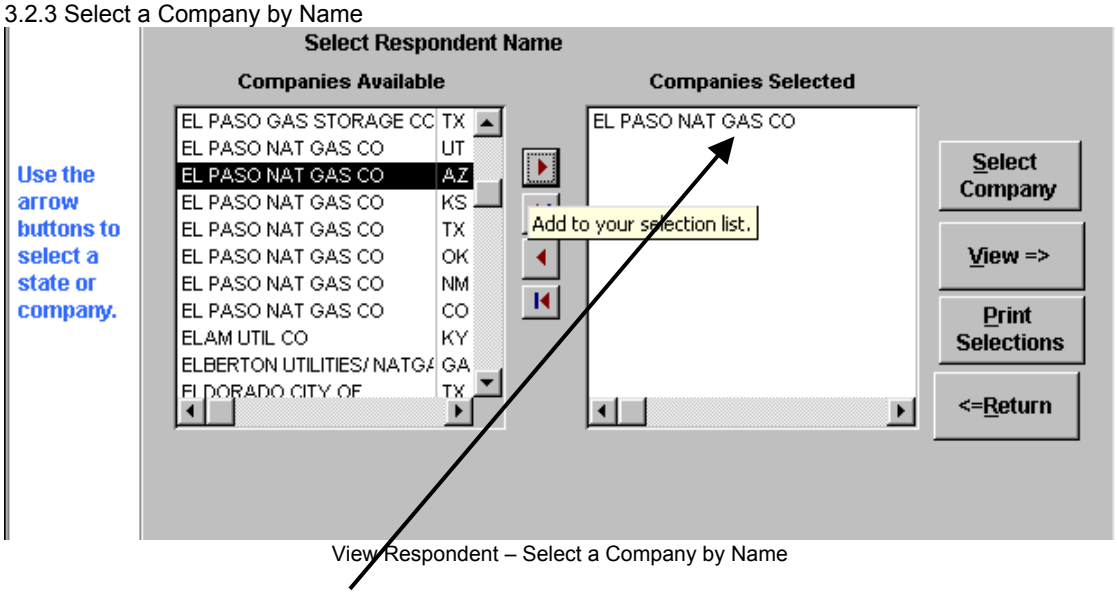
Highlight the desired state(s) and use the single right pointing arrow located in between the two white boxes to move the state to the selected box.

To remove a state from the selected box, highlight it in the selected (leftmost) box and use the single left pointing arrow to move the state out of the selected box.

Once state(s) have been selected, click on the Select Company button to see available companies within that state.

Use the mouse to select the desired company in the Companies available box. Click the right pointing arrow to move it to the selected box on the right.

3.2.3 Select a Company by Name

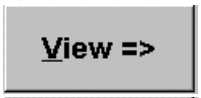


View Respondent – Select a Company by Name

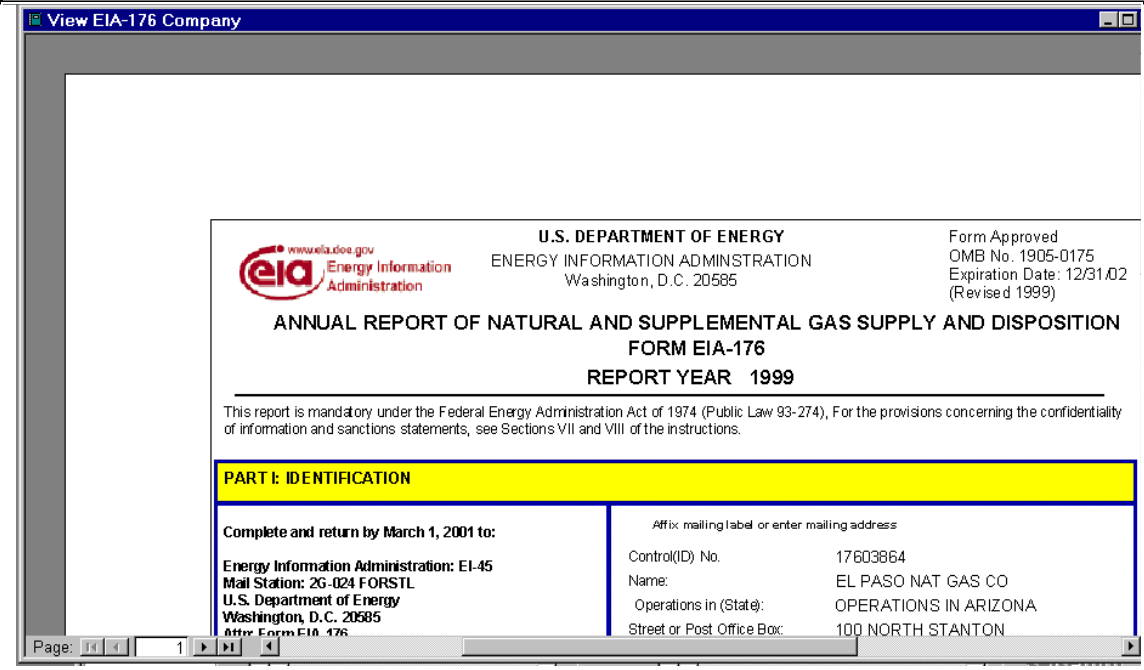
Example: El Paso Natural Gas has been selected in the screen above.

3.2.4 View and Print EIA-176 Respondent Submission

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



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



View Respondent result – Preview screen

Clicking on the resize button in the upper right corner can maximize the preview screen.

Click here to maximize the preview window.

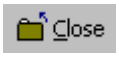
Clicking on the spyglass will increase the magnification of the screen.

View subsequent pages of the preview screen by clicking the navigation buttons at the bottom of the screen.

Arrow	Movement
	Moves to the next page
	Moves to the last page
	Moves to the previous page
	Moves to the first page
	A page number can be entered directly into the middle box.

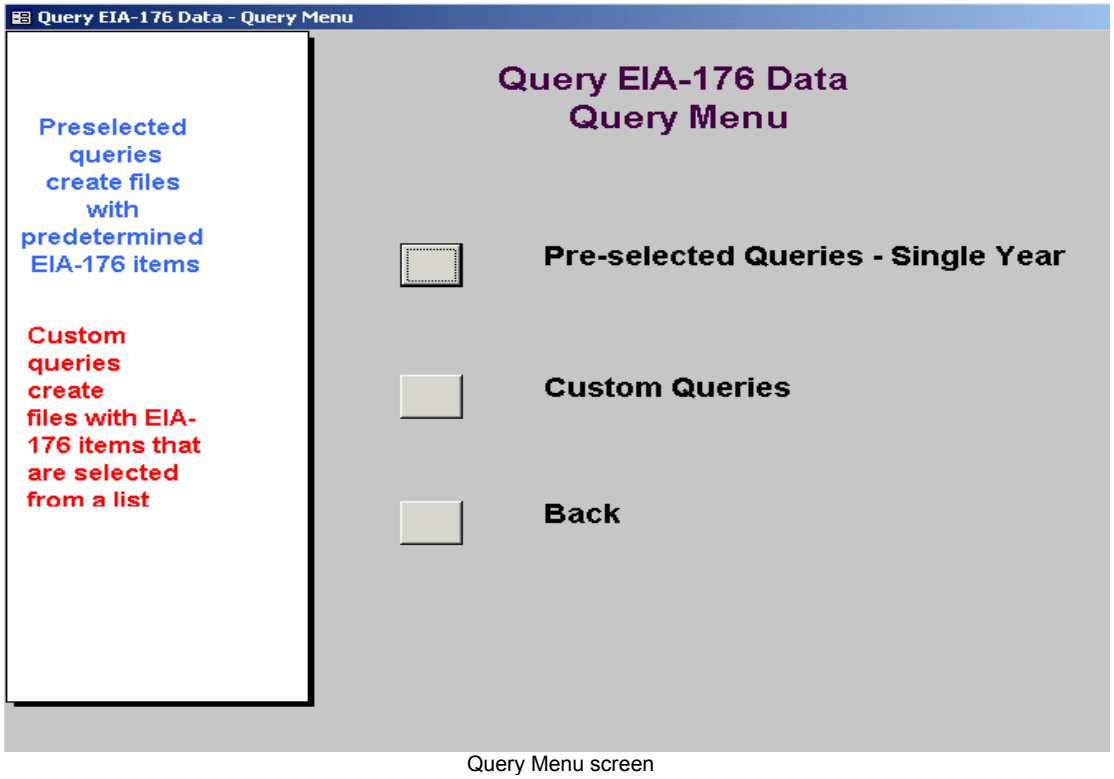
Note: If multiple respondents have been selected the select Company screen will be displayed again before the next respondent preview screen appears.

3.2.5 Exiting the Respondent Submission screen

To exit the respondent submission screen click on the Close  button on the menu bar. The Select Company screen will appear.

3.4 Query EIA-176 Data

By selecting the Query Menu from the Main Menu the Query Menu screen will be displayed.
There are two query options: Pre-selected, and User-selected.



Query Menu screen

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

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.

3.4.1 Pre-Selected Queries

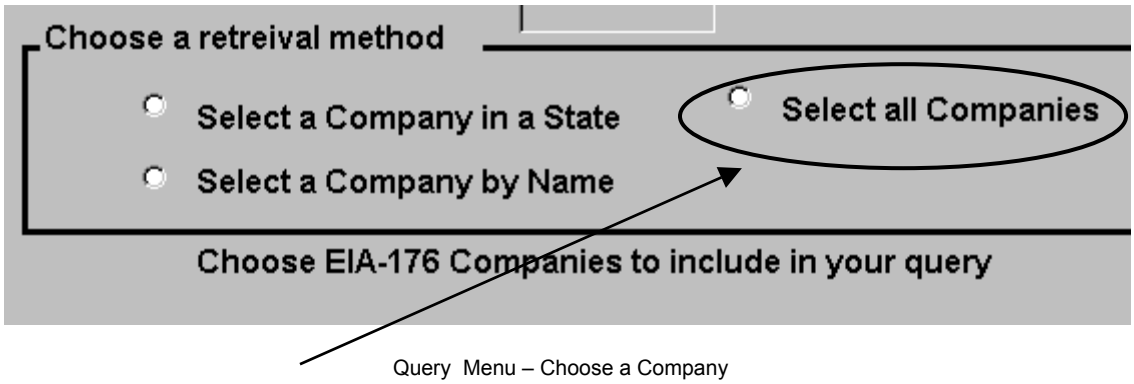
To query EIA-176 data select the Query option from the Main Menu. Pre-selected queries are queries whose conditions have already been created. These queries save the user the trouble of having to set the desired conditions each time he/she wishes to run the pre-set query.
A list of queries is available in Appendix C.

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

3.4.1.1 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:" .

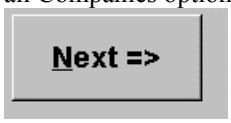


Query Menu – Choose a Company

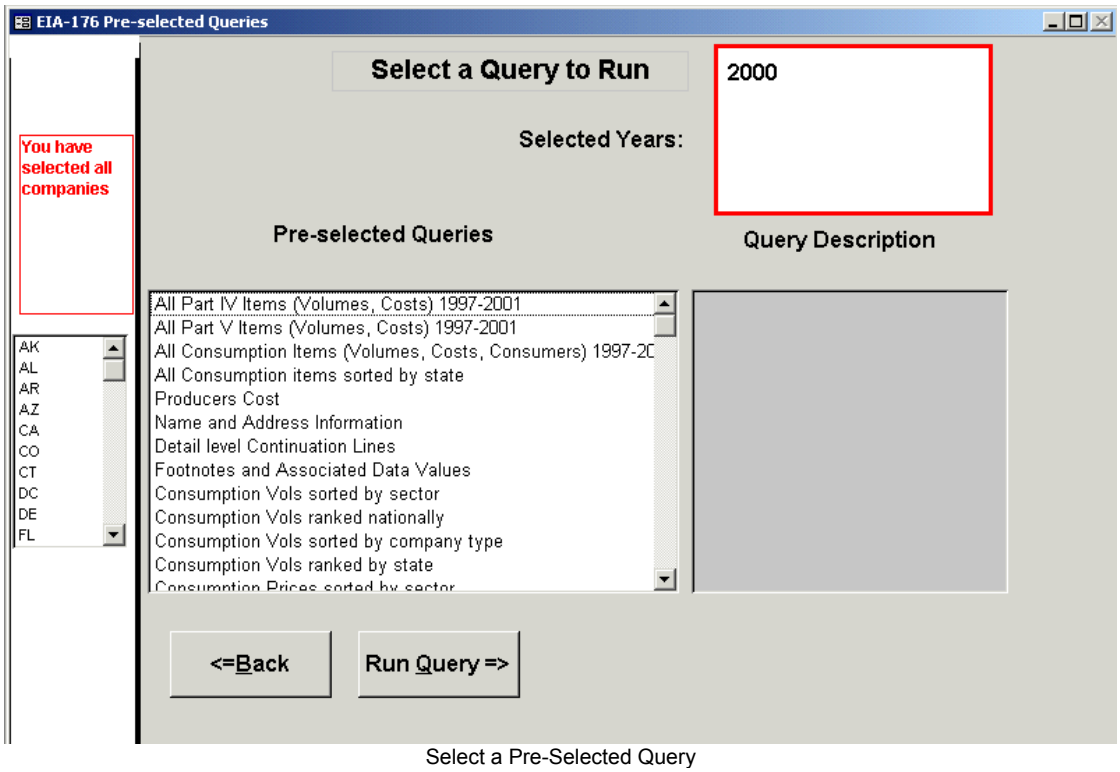
Select EIA-176 companies to include in queries. All companies can be selected with the Select All Companies option. This retrieval method does not appear on the View Respondents menu. This will close this screen and go to the select queries screen.

The same state and company name boxes that were used in the view respondent data are used here.

Once company selections are completed, click the Next=> button to select a query to run. If the Select all Companies option is selected the window closes automatically.



3.4.1.2 Select a pre-selected query

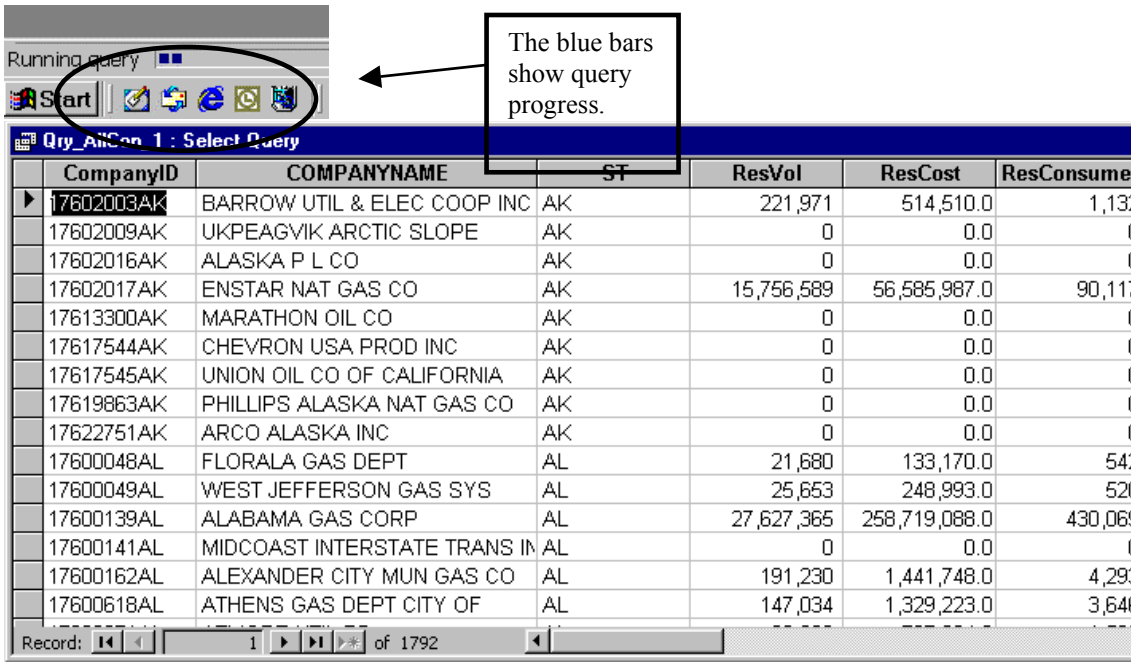


Select a Pre-Selected Query

A detailed description of each pre-selected query can be obtained by highlighting the query title. The description appears in the box titles Query Description.

Select a query by highlighting it with the mouse; click the **Run Query=>** button to execute the query.

The status bar is displayed while the query is running. Queries times vary to be displayed.



Query Output

Query output is displayed in a grid format. Appendix A shows how to save or filter this using the query filter menu.

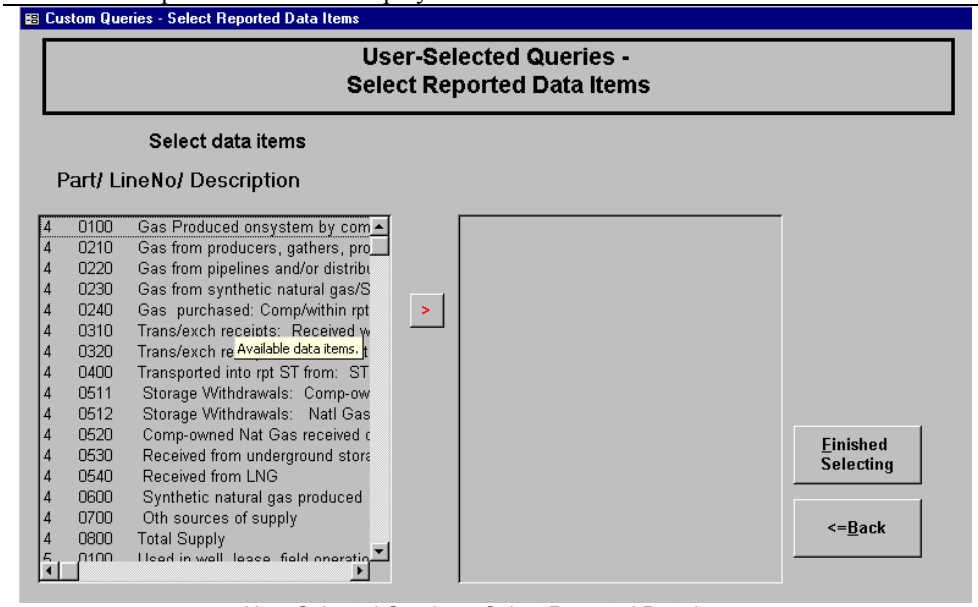
3.4.2 Custom Queries

3.4.2.1 Select Companies and Year.

This screen is similar to the Company selection screen in other parts of the query. The Select All Companies option is the fastest way to select data from all companies.

3.4.2.2 Select Reported Data items

Once companies and the year are selected, click on the Select Reported Data Items button. A a list of data items to pick from will be displayed.

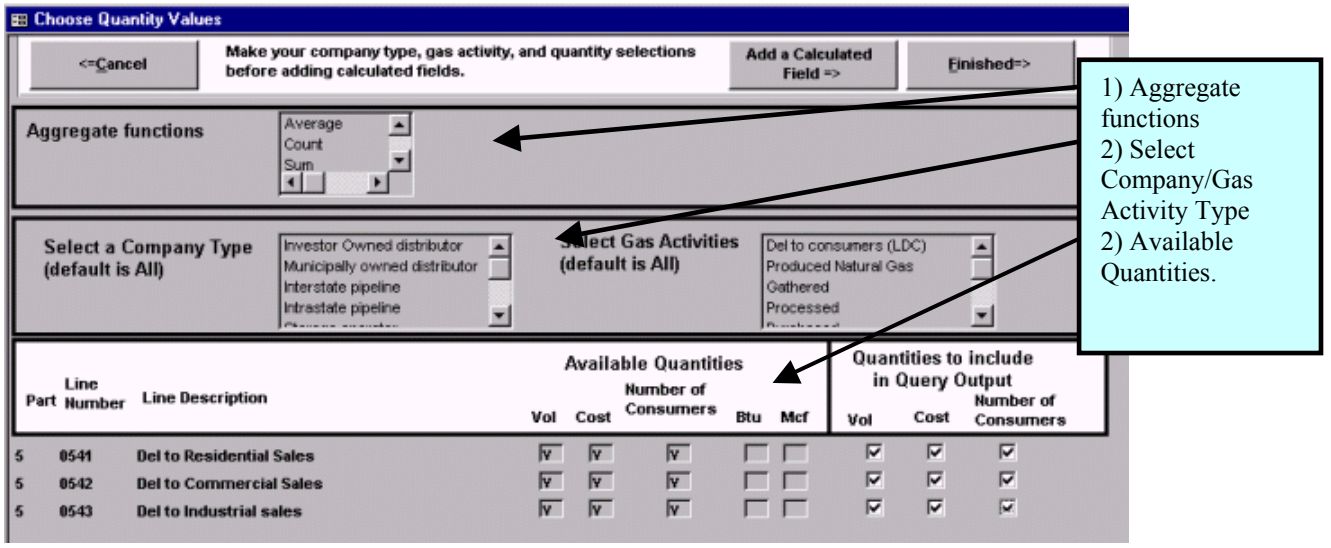


User-Selected Queries – Select Reported Data Items

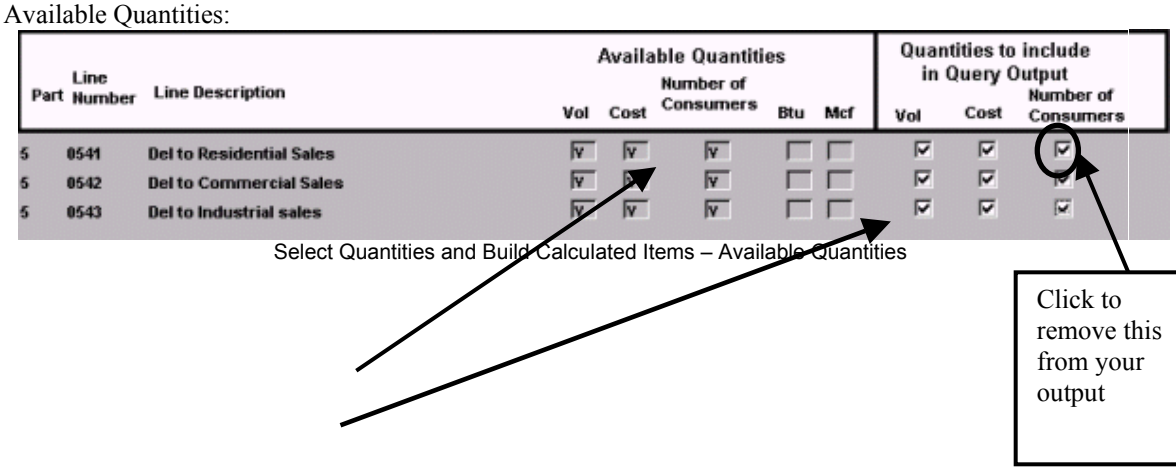
Each line item with data from the form is represented with a short description. The Part and Line Number is also included. The highlight method is similar to that in the Company screen.

Once data items have been selected click on **Finished Selecting** to go on.
Appendix C has a detailed description of each of these data items.
The next selection is:

3.4.2.3 Select Quantities and build Calculated Items



Available Quantities:



Select Quantities and Build Calculated Items – Available Quantities

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

The Available Quantities portion shows what quantities are available for this item.

The Quantities to include portion allows quantities to be included or excluded.

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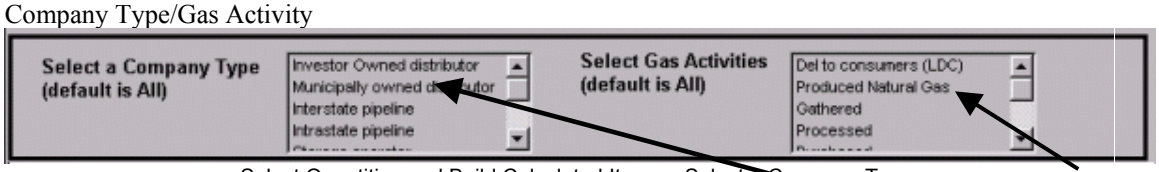
In this example, the Number of Consumers for deliveries to Residential Sales is deselected by clicking the check box. Number of Consumers won't appear in the query data file

Company Type/Gas Activity



Select Quantities and Build Calculated Items – Select a Company Type

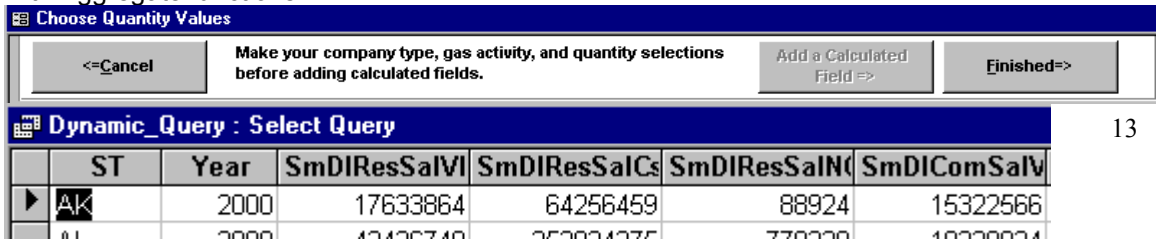
If you select Aggregate functions then Aggregate Group by variables become available.

Multiple Company Types and Gas Activity types can be selected. If no selection is made all t
included. If they are all included they are not identified.

Aggregate functions

Select Quantities and Build Calculated Items – Aggregate function

The Aggregate functions provide summary statistics over all the companies that have been selected. The Aggregate functions and the Gas Activities and the Add calculated functions are mutually exclusive. Use the Aggregate Group by Variables instead of the Select Gas Activities with Aggregate functions.



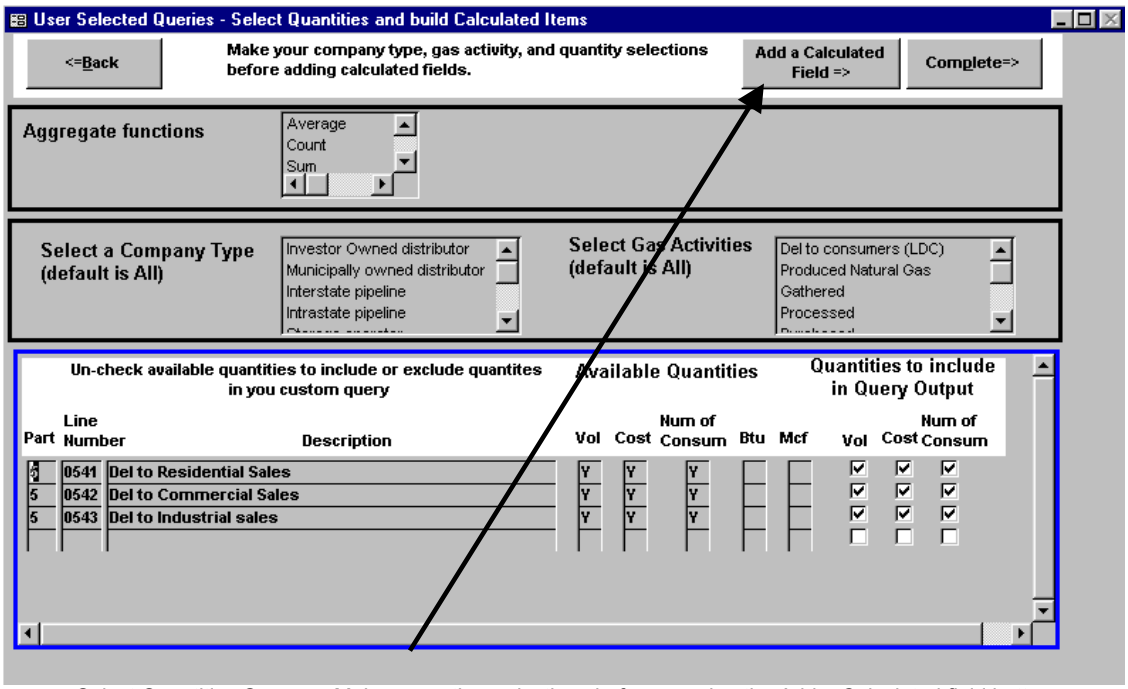
Dynamic_Query : Select Query

	ST	Year	SmDlResSalVl	SmDlResSalCs	SmDlResSalN(	SmDlComSalV
▶	AK	2000	17633864	64256459	88924	15322566
	AL	2000	42426740	353824275	770220	19330924
	AR	2000	36244801	261571912	554121	24914660
	AZ	2000	32940263	300781424	802469	25816098
	CA	2000	564574838	3737597351	9318830	139622269
	CO	2000	111748319	601688106	1265032	57837864
	CT	2000	38364174	404416826	442457	29861608
	DC	2000	13182680	114736868	126714	8193115

Record: 1 of 51

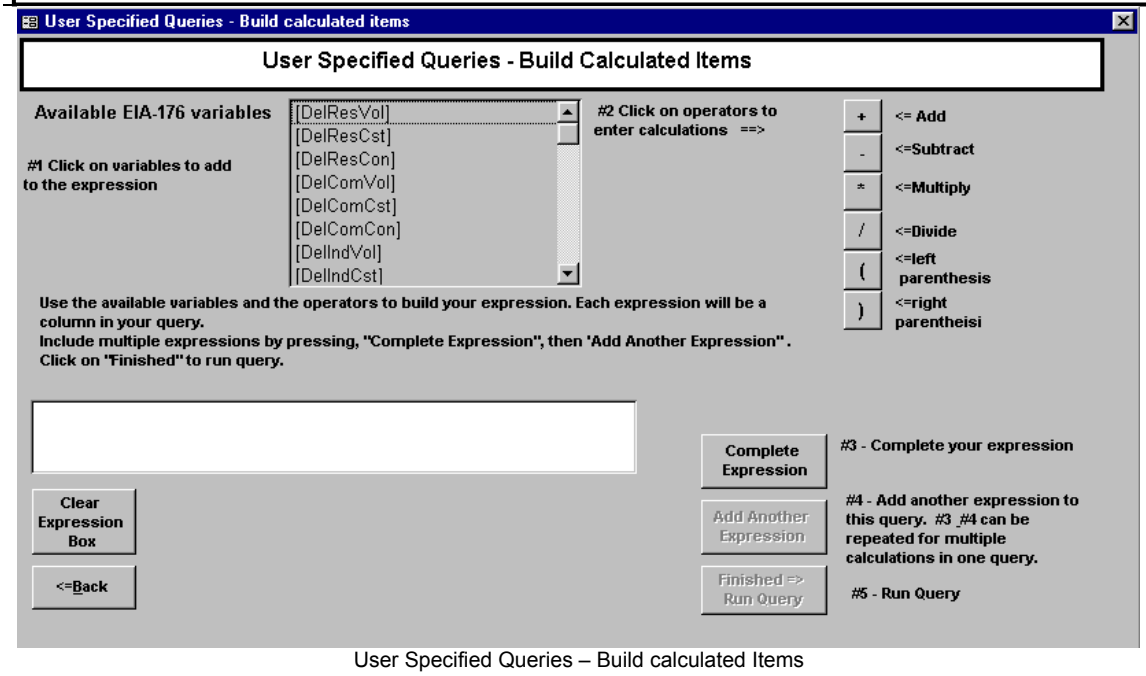
Output of a query using a summary option

Add a Calculated Field



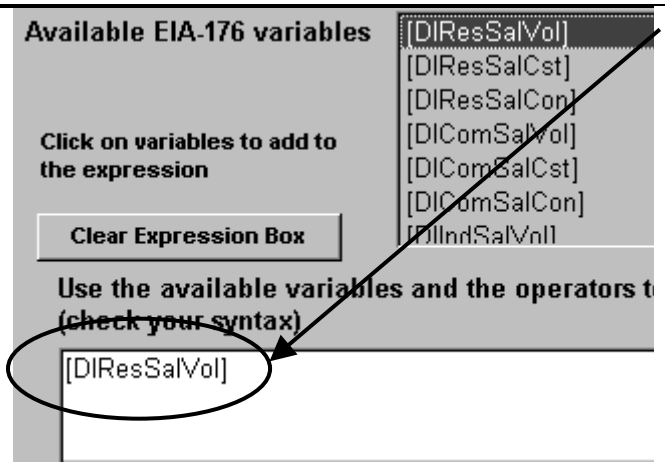
Select Quantities Screen – Make your other selections before opening the Add a Calculated field button

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



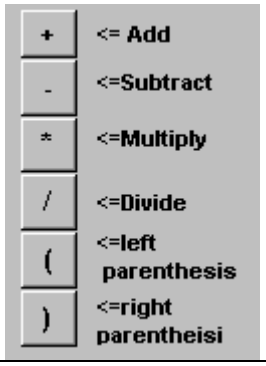
User Specified Queries – Build calculated Items

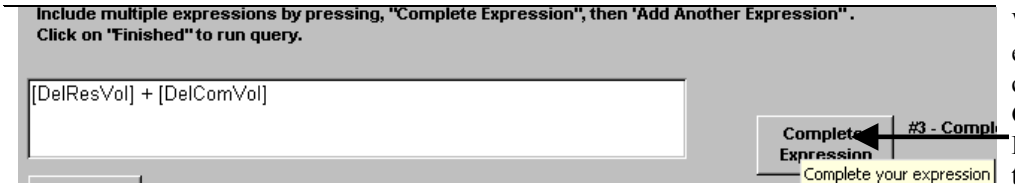
The variables selected appear in the Available EIA-176 variables window. They can be added to the expression by clicking on them with the mouse. The operators to use in the expression are in the upper right.



When a variable is clicked in the Available box, it will appear in the expression box.

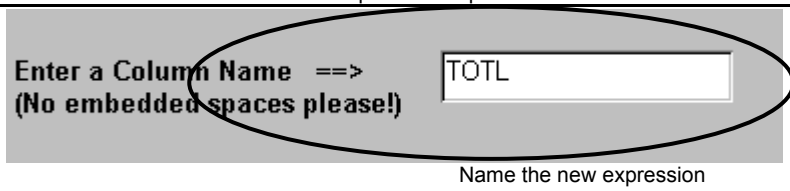
Click on operators to specify the calculation.





When the expression is completed click on **Complete Expression** to finish.

Complete the expression



Enter a Column Name in the box.

Name the new expression

Add another expression by clicking on Add Another Expression=>, this will clear out the expression box to receive another expression. The first expression will be held for the query.
Click Finished=> Run Query when completed. This will immediately run the query.

Note: clicking on the box and using the keyboard can edit Expressions in the expression box.
Check syntax carefully and use parenthesis when needed. Type variable names exactly as they appear in the Available Variables box, including the square brackets [ ].

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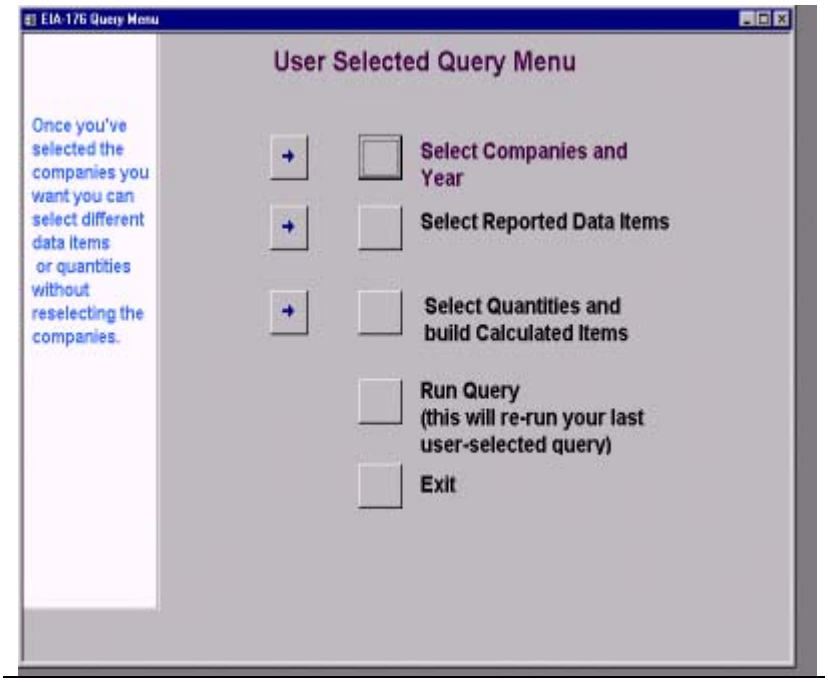
Dynamic_Query : Select Query

	ST	COMPANYNAME	Year	DIResSalVol	DI	D	DIComSalVol	DIC	D	DI	D	DII	TOTAL
▶	KS	ABBYVILLE CITY OF	2000	4427	04	)1	824	+03	1	)2	)3	2	5251
	IA	MOULTON MUN GAS SYS	2000	19253	05	)2	5900	+04	1	0	0	0	25153
	IA	BEDFORD CITY NAT GAS	2000	52014	05	)2	27079	+05	2	0	0	0	79093
	IL	TOLEDO VILLAGE OF	2000	37026	05	)2	12428	+04	1	)3	)4	3	49454
	IL	SIMS VILLAGE OF	2000	10257	04	)2	330	+03	3	0	0	0	10587

Calculated variables appear at the far right of the query grid.

User-Selected queries are saved in the same way as pre-selected queries, using the File Menu option. See Appendix A for more detail.

3.4.3 Exit the User Selected Query Menu



Closing the query returns control to the User Selected Query Menu.

Run Query executes the most recently constructed query.

Exit returns to the Main Query Menu.

APPENDICES

Appendix A – EIA-176 Menus

View Company filing Menu

The View EIA-176 Company Menu offers options for controlling the display of individual company filings

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Exit – Closes this application.

Page Setup... – Choose a printer and set the page orientation (portrait works best).

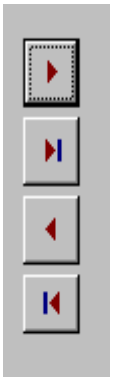
– Changes the magnification of the report.

Print... – Sends the report to the printer.

Close – Closes this report and either shows the next report if more than one has been selected more than one, or returns to the Choose Company screen.

Choose Company Arrow Functions

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



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

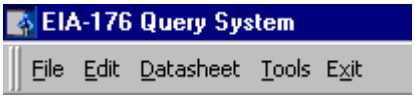
Move all the items in the left box to the right box.

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

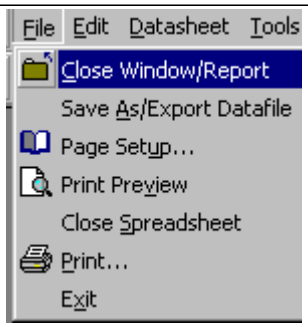
Move all the items (highlighted or not) from the right box to the left box.

Query Menu Functions

Menu items available with the Pre-selected and Custom queries are used to filter output, or export to other data formats.

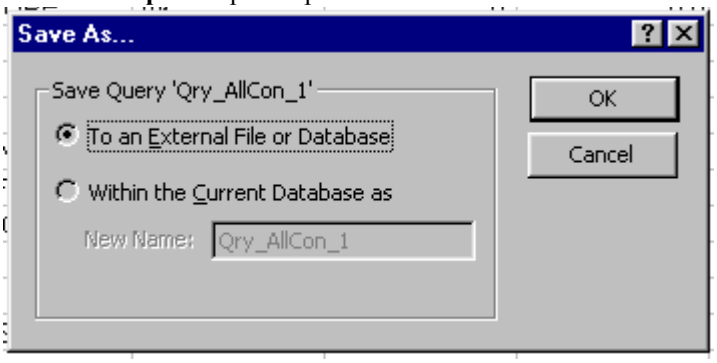


File



Close – Closes the query grid.
Save As/Export –Saves the data to another file
Page Setup – Choose print settings
Print Preview – Shows what a printout will look like
Close Spreadsheet – closes the query grid
Print – prints the query grid
Exit – Quits the Query system.

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



Intermediate output box from the Save As/Export Datafile menu option.

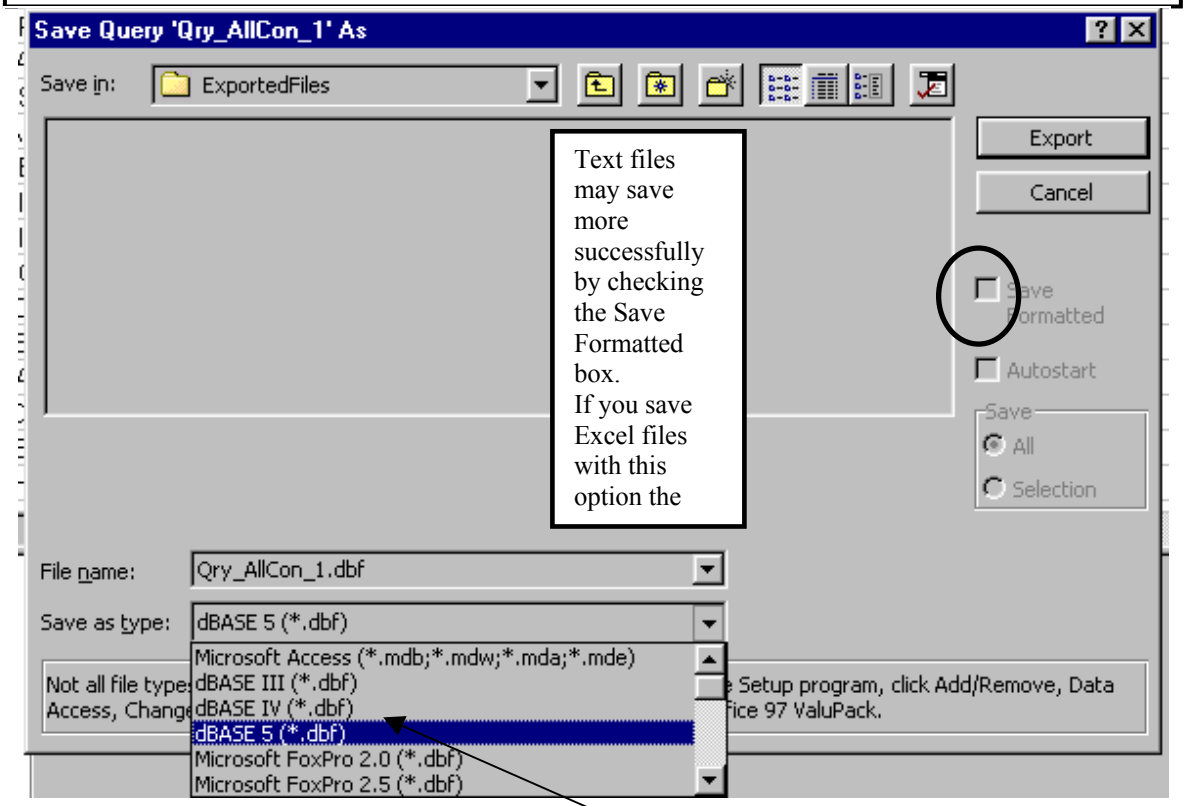
After the Save As/Export option has been selected an initial 'Save As' dialog box opens. Select the 'To an External File or Database' option, and click the OK button.

Do not select the 'Within the Current Database' option

.

Next a Windows dialog box will be displayed. Headers may look better with the Save Formatted option.

The File Name can be edited to a unique name.



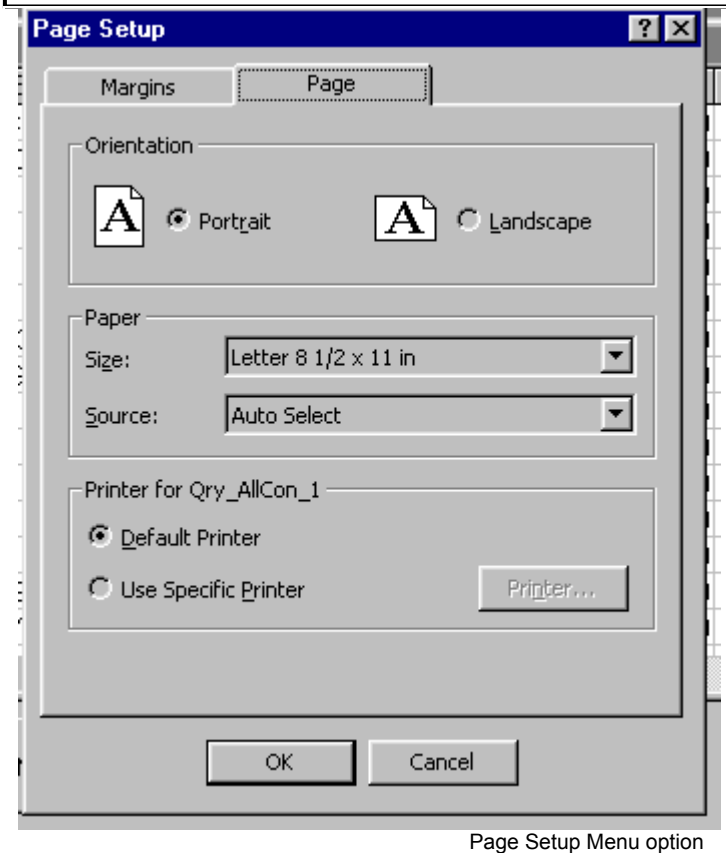
Save As/Export dialog box.

Different file type options are available by pulling down the 'Save as File Type' list box as shown. By scrolling down the list of available file types different formats can be selected including dBase, Excel and text. To save into a Microsoft Access database the *.mdb file must already exist.

Once the file has been named and the file type selected click the Export button to finish the operation.

Page Setup

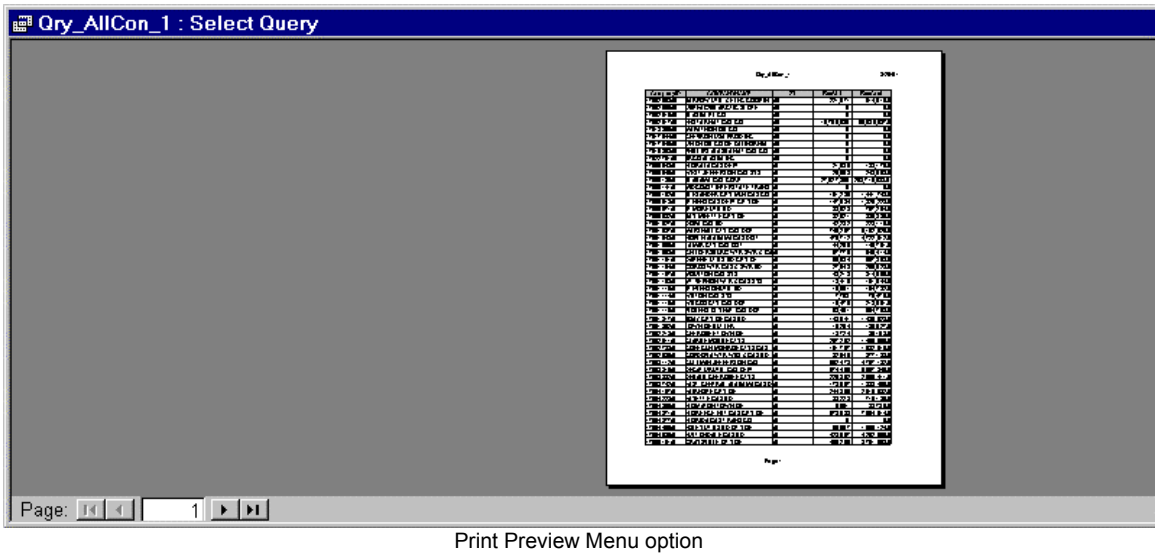
This option sets printer and page settings.



Page Setup Menu option

Note: Landscape orientation is recommended for most query outputs, and can be accessed by selecting the "Page" tab.

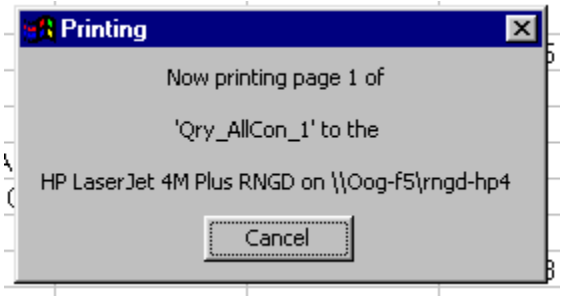
Print Preview



Print Preview Menu option

The Print Preview button displays what printed output will look like.

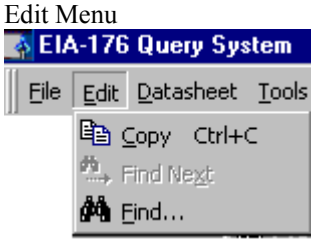
Print



Print Menu option

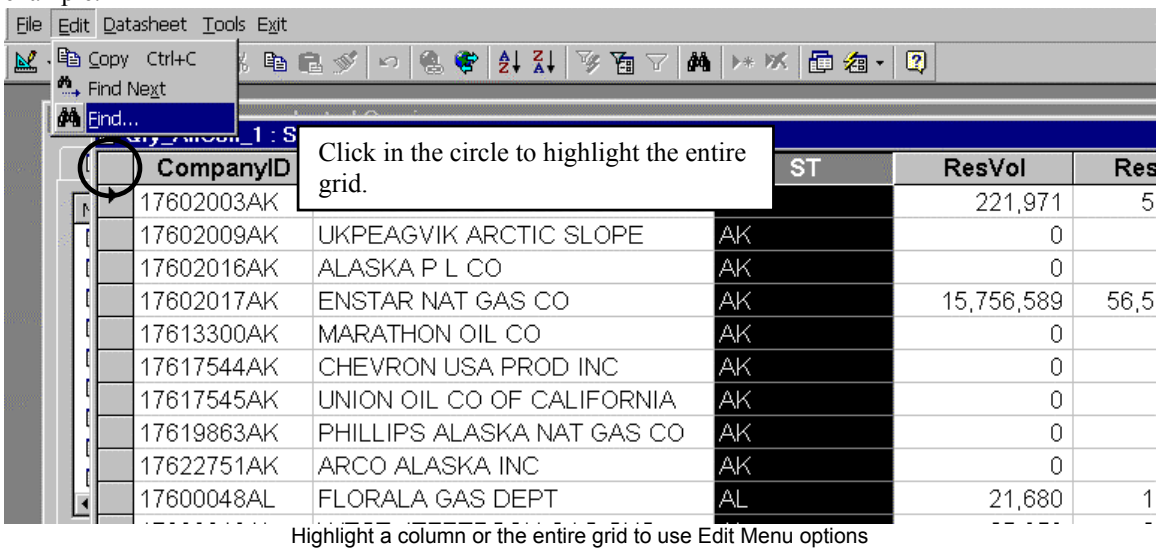
The Print button prints the grid off. Some of the queries are large so be ready!

Edit Menu



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.

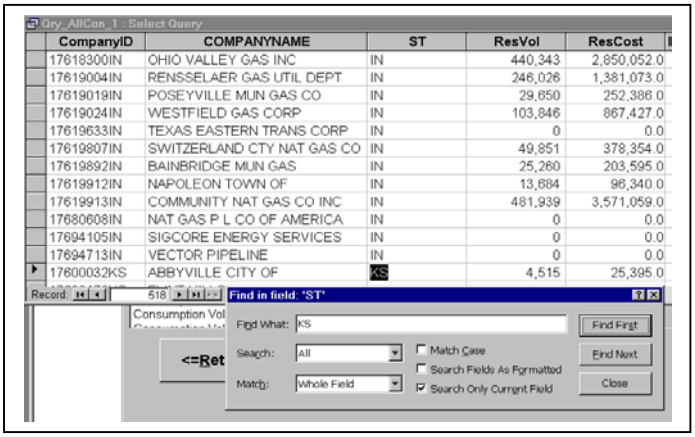
To use **Find**, select just one column by clicking on the column header. The ST column is highlighted in this example.



CompanyID		ST	ResVol	Res
17602003AK			221,971	5
17602009AK	UKPEAGVIK ARCTIC SLOPE	AK	0	
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

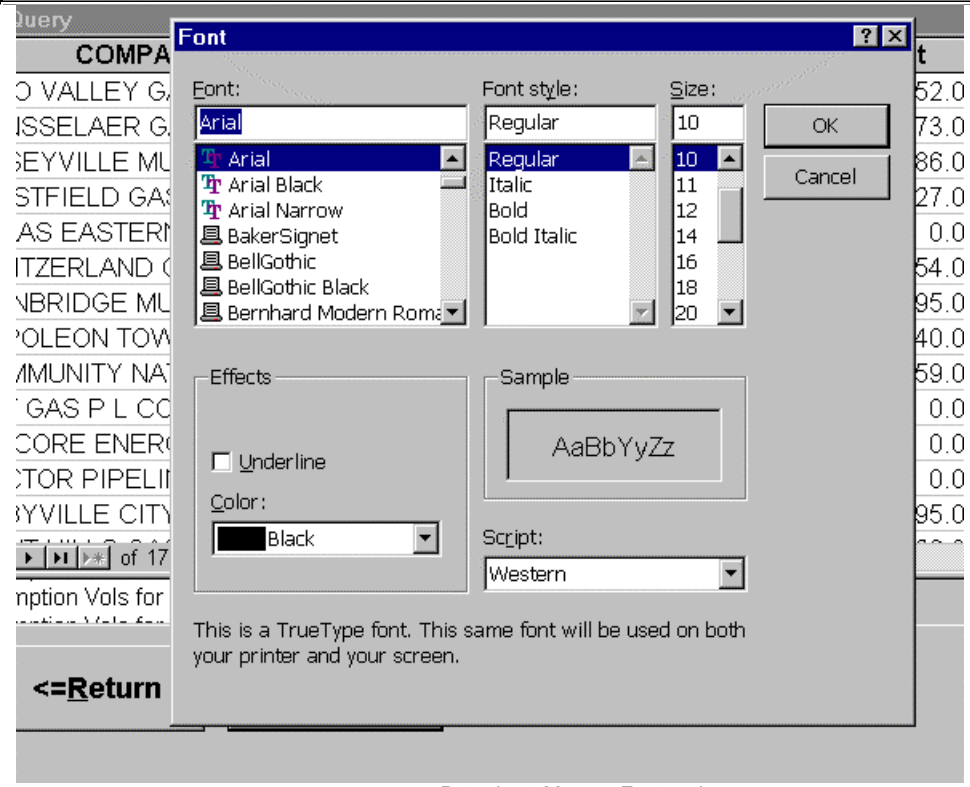
Highlight a column or the entire grid to use Edit Menu options

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



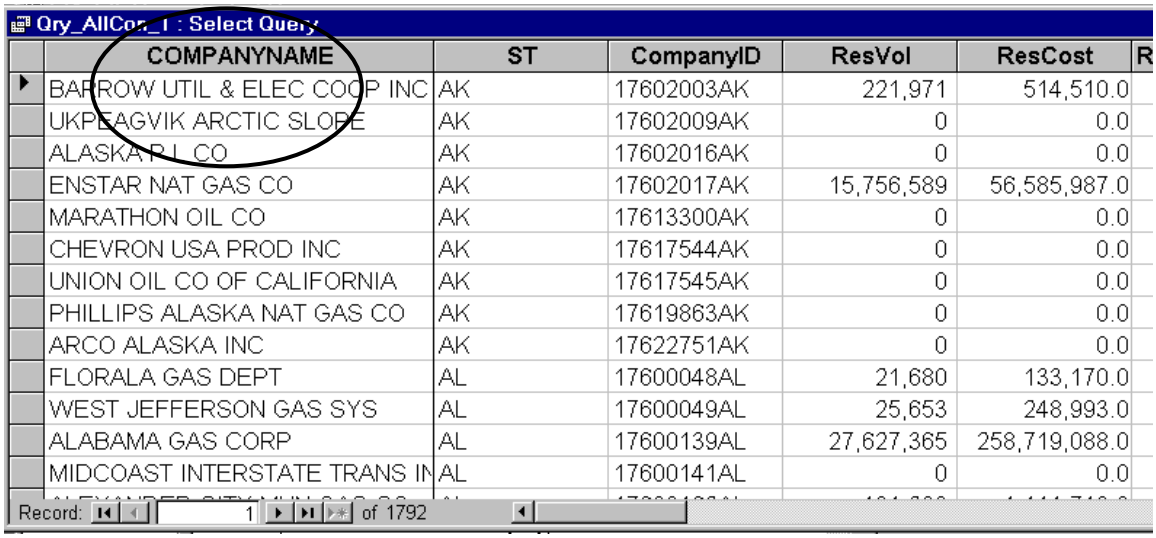
Find function of Edit Menu

A dialog box will appear. Enter the value to be searched for. After the value has been entered, click either Find First, or Find Next. The grid will advance to the found value.



Datasheet Menu – Font option

The Freeze column options always displays a frozen one column on the screen.
To freeze columns place the cursor in the desired column. In this example that column is COMPANYNAME.

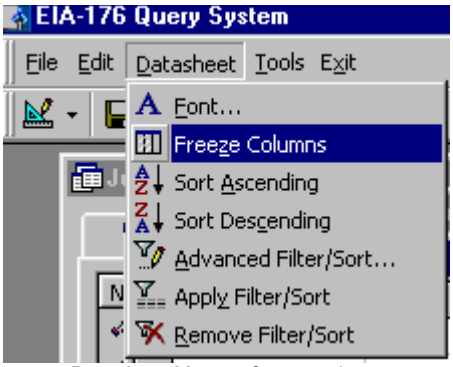


COMPANYNAME	ST	CompanyID	ResVol	ResCost
BARROW UTIL & ELEC COOP INC	AK	17602003AK	221,971	514,510.0
UKPEAGVIK ARCTIC SLOPE	AK	17602009AK	0	0.0
ALASKA P L CO	AK	17602016AK	0	0.0
ENSTAR NAT GAS CO	AK	17602017AK	15,756,589	56,585,987.0
MARATHON OIL CO	AK	17613300AK	0	0.0
CHEVRON USA PROD INC	AK	17617544AK	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 of 1792

Datasheet menu – Freeze columns option

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



Datasheet Menu – freeze columns example

The COMPANYNAME column always appears at the left. Even when scrolling to the right, COMPANYNAME stays on the screen: (notice that the first data column is now ComCost instead of ResVol, yet the COMPANYNAME column still shows).

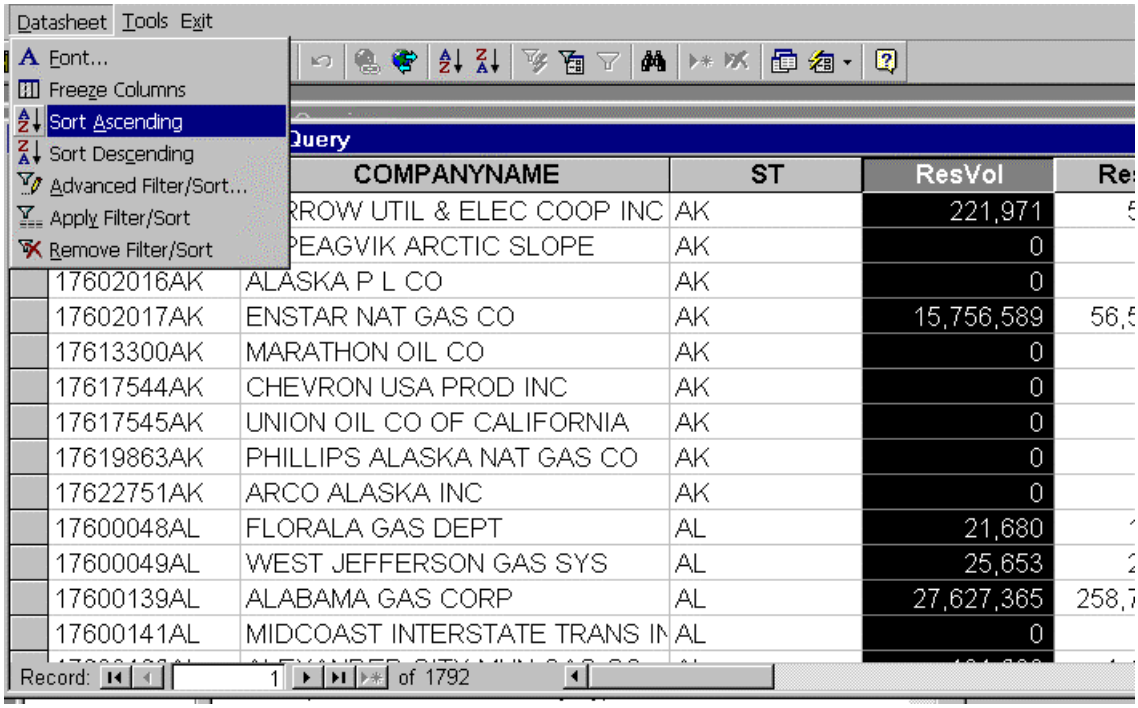
Qry_AllCon_1 : Select Query

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	

Record: 1 of 1792

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

Datasheet – Sort Ascending



Datasheet Menu – Sort Ascending – highlight a column to sort on

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 : Select Query

CompanyID	COMPANYNAME	ST	ResVol
17680806TX	PANENERGY TEXAS INTRASTATE	TX	0
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	CA	0
17690506MS	DESTIN PIPELINE CO LLC	MS	0

In the example above the ResVol values are sorted in ascending order, starting with zero.

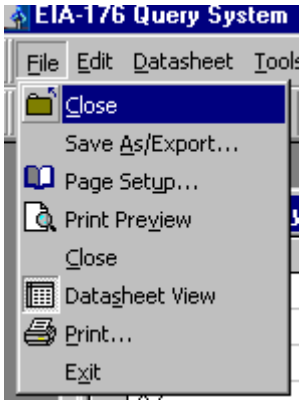
Sort descending works the same way.

Qry_AllCon_1 : Select 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	MI	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	OH	131,187,521
17610960IL	PEOPLES GAS LT & COKE CO	IL	103,856,141

With sort descending the largest values appear first.

Saving Query Outputs



The File menu provides options over for query output.

Close – closes the query and returns to the selection screen.

When returning to the selection screen company, year and data item selections are still be in place. Any aggregate functions will be cleared.

If you have filtered your output the file will not Save As/Export. In this case select the entire grid and copy it. The output can then be pasted into a spreadsheet application for saving. When the output is pasted it may be necessary to resize the row hights. This is done by selecting the spreadsheet grid and clicking on the Format/Rows menu items.

Appendix B

Appendix B1 – Pre-Selected Query Descriptions

	Pre-selected Query Title/ Default file name	Query Description
	All Consumption items sorted by state Qry_AllCon_1	This query includes company data sorted by state for lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6. Volumes and Number of Consumers are available for all lines. Costs are only available for lines 5.4.1 thru 5.4.6.
	Producers Cost Qry_Prod_Cst8t	This query includes company data for Part IV, line 2.1.
	Company Information Qry_NMA_9	This query includes the Company Name, State of Operation - the Type of Company - Part III 1.0- and the Gas Activities -Part III 2.0- they reported.
	Detail level Continuation Lines Qry_Continuations	This query shows continuation lines with the company reference for Parts 4 & 5.
	Consumption Vols sorted by sector QRY_ConSrtSec	This query includes company data sorted by sector -Residential, Commercial, Industrial, Other Nugs, Electric, and Vehicle Fuel . The query includes volumes with delivered and transported items.
	Consumption Vols ranked nationally Qry_ConRank_3	This query includes company data sorted by volume amounts. Consumption delivered to consumer items - lines 5.4.1 thru 5.4.6 are added to consumption transported items -lines 7.4.1 thru 7.4.6 to rank companies nationally.
	Consumption Vols sorted by company type Qry_ConCT_4	This query includes company data sorted by company type -Part III, 1.0.
	Consumption Vols ranked by state Qry_ConRankST_5	This query includes Company data sorted and ranked by volume amount by state. Consumption delivered to consumer items -lines 5.4.1 thru 5.4.6- are added to consumption transported items -lines 7.4.1 thru 7.4.6.
	Consumption Prices sorted by sector Qry_ConPrice_6	This query includes prices for consumption data - lines 5.4.1 thru 5.4.6 - only. Costs are not collected for transported consumption sector.
	Consumption Vols for Gas Activity Type A – Produced Natural Gas NewGasAct	This query includes only companies who checked A on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.

	Pre-selected Query Title/ Default file name	Query Description
	Consumption Vols for Gas Activity Type B – Gathered NewGasActB	This query includes only companies who checked B on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type C – Processed NewGasActC	This query includes only companies who checked C on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type D – Purchased NewGasActD	This query includes only companies who checked D on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type E - Transported Interstate NewGasActE	This query includes only companies who checked E on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type F - Transported Intrastate NewGasAcrF	This query includes only companies who checked F on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type G - Stored Underground NewGasActG	This query includes only companies who checked G on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type H - Stored LNG NewGasActH	This query includes only companies who checked H on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type I - Injected Propane NewGasActI	This query includes only companies who checked I on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type J - Produced SNG NewGasActJ	This query includes only companies who checked J on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type K – Imported NewGasActK	This query includes only companies who checked K on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type L – Exported NewGasActL	This query includes only companies who checked L on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type M - Delivered for Resale NewGasActM	This query includes only companies who checked M on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.

	Pre-selected Query Title/ Default file name	Query Description
	Consumption Vols for Gas Act Type N - Delivered Directly to consume NewGasActN	This query includes only companies who checked N on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	Consumption Vols for Gas Activity Type O – Other NewGasActO	This query includes only companies who checked O on Part III 2.0 - Gas Activities. It covers lines 5.4.1 thru 5.4.6 and lines 7.4.1 thru 7.4.6.
	All Part IV Items (Volumes, Costs) UqryP4LXALL	Volume and Costs for all Part IV items for 1999-2000
	All Part V Items (Volumes, Costs) UqryP5LXALL	Volume and Costs for all Part V items for 1999-2000

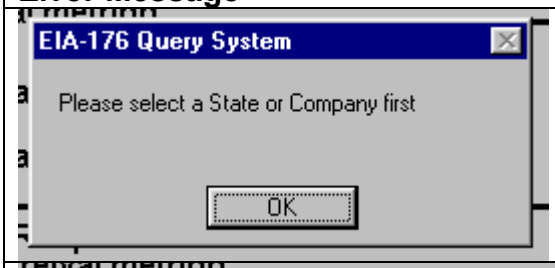
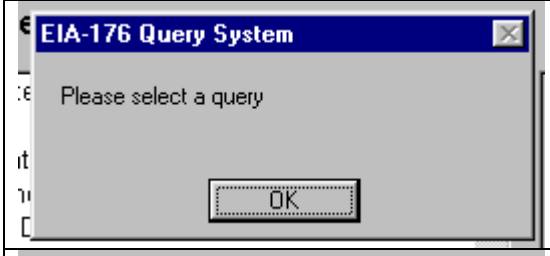
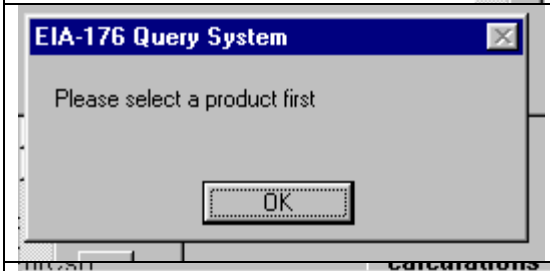
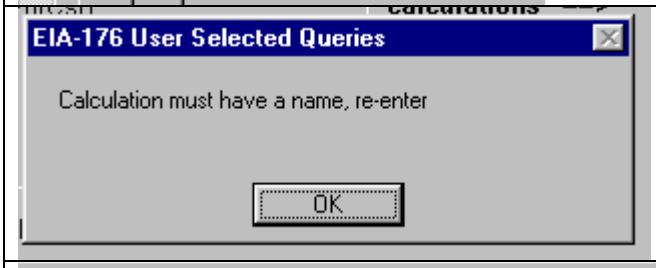
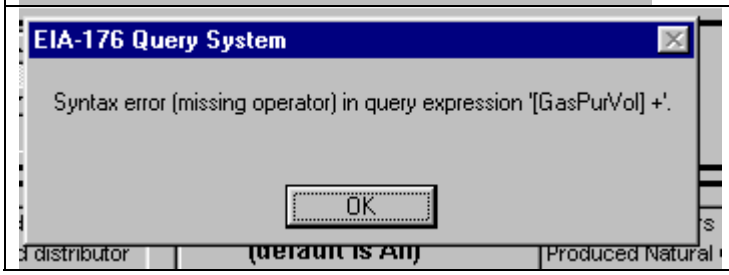
Appendix B2 – User Selected Query Item names

Prt	Line No	Description	Column Name	Vol	Cst	Num Cnsmr	BTU	Cmp or Ref Line
4	0100	Gas Produced onsystem by company	VP4L0100	Y				
4	0210	Gas from producers, gathers, processors onsystem	VP4L0210 CP4L0210	Y	Y			
4	0220	Gas from pipelines and/or distribution onsystem	VP4L0220 CP4L0220	Y	Y			
4	0230	Gas from synthetic natural gas/SNG onsystem	VP4L0230 CP4L0230	Y	Y			
4	0240	Gas purchased: Comp/within rpt ST	VP4L0240 CP4L0240	Y	Y			Y
4	0310	Trans/exch receipts: Received within report ST	VP4L0310	Y				
4	0320	Trans/exch receipts: Received at state line Comp/ST or Cntry	VP4L0320	Y				Y
4	0400	Transported into rpt ST from: ST or Cntry	VP4L0400	Y				Y
4	0511	Storage Withdrawals: Comp-owned Nat Gas	VP4L0511	Y				
4	0512	Storage Withdrawals: Natl Gas owned by Others	VP4L0512	Y				
4	0520	Comp-owned Nat Gas received directly from underground storage operators	VP4L0520	Y				
4	0530	Received from underground storage operators for the account of others	VP4L0530	Y				
4	0540	Received from LNG	VP4L0540	Y				
4	0600	Synthetic natural gas produced	VP4L0600	Y				
4	0700	Oth sources of supply	VP4L0700	Y				Y
4	0800	Total Supply	VP4L0800	Y				
5	0311	Usd in prcssng: del to cmp plnts (Mcf)	VP5L0311					
5	0100	Used in well, lease, field operations	VP5L0100 CP5L0100	Y	Y			
5	0200	Returned to oil and/or gas reservoirs	VP5L0200	Y				
5	0312	Plant fuel used in processing	VP5L0312	Y				
5	0313	Extraction loss used in processing	VP5L0313	Y				
5	0314	Nonhydrocarbons removed used in processing	VP5L0314	Y				
5	0315	Vented Flared, and/or lost used in processing	VP5L0315	Y				

Prt	Line No	Description	Column Name	Vol	Cst	Num Cnsmr	BTU	Cmp or Ref Line
5	0321	Vol del to plnts redel usd in prcssng (Mcf)	VP5L0321	Y				
5	0322	Total vol used in processing	VP5L0322	Y				
5	0411	Storeage Injections: Company-owned natural gas	VP5L0411	Y				
5	0412	Storeage Injections: Natural gas owned by others	VP5L0412	Y				
5	0420	Del to underground storage - Company-owned	VP5L0420	Y				
5	0430	Del to underground storage - Account of others	VP5L0430	Y				
5	0440	Added to LNG Storage	VP5L0440	Y				
5	0510	Del to other pipelines in rpt state	VP5L0510	Y				
5	0520	Del to resellers	VP5L0520	Y				
5	0530	Del at state line to: Comp ST/Cntry	VP5L0530	Y				Y
5	0541	Del to Residential Sales	VP5L0541 CP5L0541 NP5L0541	Y	Y	Y		
5	0542	Del to Commercial Sales	VP5L0542 CP5L0542 NP5L0542	Y	Y	Y		
5	0543	Del to Industrial sales	VP5L0543 CP5L0543 NP5L0543	Y	Y	Y		
5	0544	Del to Other Non-Utility Generators	VP5L0544 CP5L0544 NP5L0544	Y	Y	Y		
5	0545	Del to Electric Utility Sales	VP5L0545 CP5L0545 NP5L0545	Y	Y	Y		
5	0546	Del fo Vehicle Fuel	VP5L0546 CP5L0546 NP5L0546	Y	Y	Y		
5	0600	Heat Content of consumer deliveries	VP5L0600				Y	

Prt	Line No	Description	Column Name	Vol	Cst	Num Cnsmr	BTU	Cmp or Ref Line
5	0710	Trans for other pipelines within the rpt ST	VP5L0710	Y				
5	0720	Trans to resellers for the account of others	VP5L0720	Y				
5	0730	Trans to State Line: Comp ST/Cntry	VP5L0730	Y				
5	0741	Trans to Residential Consumers	VP5L0741 CP5L0741 NP5L0741	Y		Y		
5	0742	Trans to Commercial Consumers	VP5L0742 CP5L0742 NP5L0742	Y		Y		
5	0743	Trans to Industrial Consumers	VP5L0743 CP5L0743 NP5L0743	Y		Y		
5	0744	Trans to Other Non-Utility Generators	VP5L0744 CP5L0744 NP5L0744	Y		Y		
5	0745	Trans to Electric Utility	VP5L0745 CP5L0745 NP5L0745	Y		Y		
5	0746	Trans for Vehicle Fuel use	VP5L0746 CP5L0746 NP5L0746	Y		Y		
5	0810	Del of Exch gas/storage within rpt ST	VP5L0810	Y		Y		
5	0820	Del of Exch gas to: ST or cntry	VP5L0820	Y				Y
5	0900	Used in pipeline, storage distribution	VP5L0900	Y	Y			
5	1000	Other disposition	VP5L1000	Y				Y
5	1100	Total Disposition	VP5L1100	Y				
5	1200	Unacc't for gas supply	VP5L1200	Y				

Appendix C Error Messages

Error Message	Problem/Solution
	In the Select Company screen a state or company must be in the selected box before clicking on View or Next=>
	In the Select Company screen a year must be selected before the retreival type is selected.
	In the pre-selected query function, a query must be selected before Run Query=> is clicked.
	In the Custom query option a product must be selected before clicking on the Finished Selecting button. Click <=Return to exit without a selection.
	In the Build Calculated Item screen a user built calculation must have a name.
	An error has occurred in the Build Calculated Item expression. Start over.