

**THE EMISSIONS & GENERATION RESOURCE INTEGRATED DATABASE**

**eGRIDweb**

**VERSION 1.0**

**USERS MANUAL**

**eGRID2007 Data Years 2004 and 2005**

Prepared for:

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## **NOTICES**

This document has been reviewed by the Climate Protection Partnerships Division (CPPD), Office of Atmospheric Programs (OAP), U.S. Environmental Protection Agency (EPA), and approved for distribution.

This document is available to the public through CPPD's website at <http://www.epa.gov/egrid>.

## **ACKNOWLEDGMENTS**

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# CONTENTS

	<u>Page</u>
ABBREVIATIONS AND ACRONYMS .....	vi
SECTION I. eGRID.....	1
SECTION II. GETTING STARTED.....	3
SECTION III. FILTERS.....	5
SECTION IV. EXPORTS.....	7
SECTION V. FAQs .....	9
SECTION VI. ERROR MESSAGES .....	15
SECTION VII. SCREEN SHOTS .....	17
SECTION VIII. CONTACT US.....	41

## ABBREVIATIONS AND ACRONYMS

CAMD	Clean Air Markets Division
CEM	Continuous Emissions Monitoring
CHP	Combined heat and power (cogeneration)
CH <sub>4</sub>	Methane
CO <sub>2</sub>	Carbon dioxide
CPPD	Climate Protection Partnerships Division
eGRID	Emissions & Generation Resource Integrated Database
eGRID2007	Emissions & Generation Resource Integrated Database for the year 2007 (2004 and 2005 data years)
EGC	Electric generating company
EIA	Energy Information Administration
EPA	U.S. Environmental Protection Agency
ETS	Emissions Tracking System
FAQ	Frequently Asked Questions
GHG	Greenhouse gas
GWh	Gigawatt-hour
Hg	Mercury
NERC	North American Electric Reliability Corporation
NO <sub>x</sub>	Nitrogen oxides
N <sub>2</sub> O	Nitrous oxide
OAP	Office of Atmospheric Programs
PCA	Power control area
Pechan	E.H. Pechan & Associates, Inc.
SO <sub>2</sub>	Sulfur dioxide
TSD	Technical Support Document

## SECTION I. eGRID

The **Emissions & Generation Resource Integrated Database** (eGRID) is a comprehensive source of data on the environmental characteristics of almost all electric power generated in the United States. eGRID is unique in that it links air emissions data with electric generation data for United States power plants.

eGRIDweb displays eGRID data in a user friendly way and allows you to export data that you select. You can download related documents, reports, and files; receive information about eGRID-related updates; view frequently asked questions; and provide feedback regarding eGRIDweb.

eGRIDweb version 1.0 displays data from eGRID2007 Version 1.1, the sixth and most recent edition of eGRID, which contains:

- year 2005 information configured to reflect the electric power industry's current structure known by December 31, 2007, including plant ownership and operators, parent company affiliations, company mergers, and grid configurations;
- year 2004 data; and
- years 2004 and 2005 State import-export and U.S. generation and consumption data.

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## SECTION II. GETTING STARTED

This application is specifically recommended for use with (and has been tested with) Mozilla Firefox and Microsoft Internet Explorer browsers. The application works, with minor appearance differences, on Netscape, Chrome, Safari, and other browsers. JavaScript must be enabled in the browser.

1. Click on the Data tab or “Click here to get started” on the Home screen.
2. Select Data: On the Select Data screen, make your Data Year and Aggregation Level selections (defaults are Data Year=2005, Aggregation Level=Power Plant). For eGRID subregion and North American Electric Reliability Corporation (NERC) region, representational maps are available.
  - a. Filter your selection: If you do not want to directly select entities to view from the list at the bottom of the screen (which may span several pages, accessible by clicking on the arrows), you may filter your selections using one to three search filters.

The first set of filters is built-in and is available for plants, both types of electric generating companies (EGCs), and eGRID subregions. After you select a built-in filter category, a second drop down box appears, from which you select a single filter, after which the list of possible entities appears at the bottom of the screen.

The second filter is a non-case sensitive keyword search (activated by the “go” button), and the third filter is a first letter search. If you use more than one filter, then the available entities for selection are those that meet all of the filter criteria you have selected. Use “clear” to deactivate a filter.

- b. Select from the list of entities to view. If the list is greater than sixty entities, then the list will span more than one screen – use arrows to navigate among screens – and check off the ones you want to select. Alternately, you may Select All of the complete list (not just those displayed on the first screen). Or, you may Select All and then uncheck some boxes to deselect some of them. Click the View Data button.
3. View Data: After the selection is completed, eGRIDweb displays the first Emissions Profile screen. One entity is displayed at a time. If you selected more than one entity, use the arrows at the top of the screen to scroll through the entities. For given entities, you can:
  - a. Switch years [plants, the group of plant’s boilers, the group of plant’s generators, States, eGRID subregions, NERC regions, and the U.S.], types [EGC Location (Operator)-based to EGC Owner-based or vice versa, as well as Parent Company Location (Operator)-based to Parent Company Owner-based or vice versa].
  - b. View the different categories of data (e.g., Emissions Profile, Generation Resource Mix, Characteristics, Ownership, Boilers, Generators, State Import-Export Data, or U.S. Generation and Consumption Data, depending on the entities you are viewing).
  - c. Print the screen display using the print icon in the upper right.

4. **Export Data:** After viewing data, you can click Export Data. The Export Screen will show up to ten of the selected entities and allow you to select format, years, and tabs whose displayed variables will be exported (to an XLS or CSV file, usually in a ZIP file).

You can return to the Select Data screen or the View Data screen. If you return to the Select Data screen, the previous selections will remain checked; click Reset to clear all the selections (the defaults will take effect) and start again.

Download various tables or files from other tabs:

- a. Greenhouse Gas (GHG) Emission Factors;
- b. Reports – Summary Tables for 2005, Summary Tables for 2004, Zip code – eGRID subregion – carbon dioxide (CO<sub>2</sub>) output emission rate data file for 2005, eGRID subregion representational map for 2005, NERC region representational map for 2005, eGRID subregion representational map for 2004, NERC region representational map for 2004, and eGRID paper(s);
- c. Help – eGRID Technical Support Document.

Check the Notes tab for information about eGRIDweb updates or pertinent information; or go to the Help tab to provide feedback to the eGRIDweb developers.

## SECTION III. FILTERS

There are three types of filters possible in the selection of entities to view. If more than one filter is chosen at the same time, the entities available for selection are those that meet all criteria (the filtering criteria are logically connected by ands). The filter types are listed below.

### 1. Built-in:

#### Plant filters (9)

Power plants with a specific primary fuel  
Power plants in a single State  
Power plants in a single EGC Location (Operator)-based  
Power plants in a single EGC Owner-based  
Power plants in a single Parent Company Location (Operator)-based  
Power plants in a single Parent Company Owner-based  
Power plants in a single PCA  
Power plants in a single eGRID subregion  
Power plants in a single NERC region

#### EGC filters (2)

EGCs Location (Operator)-based – EGCs in a single Parent Company Location (Operator)-based  
EGCs Owner-based – EGCs in a single Parent Company Owner-based

#### eGRID Subregion filter (1)

eGRID subregions in a single NERC region

There are no built-in filters for U.S. Total, State, NERC Region, Power Control Area (PCA), or Parent Company aggregation levels.

### 2. Keyword search:

Keyword search is not case sensitive. The keyword search will find the characters in any part of the entity description. The keyword search will only find a single set of characters (e.g., you cannot search for plants with the words “station” or/and “project”).

### 3. Browse by first letter:

The letters of the alphabet are provided.

#### Linking:

You can switch between years for power plant (and the groups of boilers and generators in a plant), State, eGRID subregion, NERC region, and the U.S.

You cannot switch between years for a plant’s individual boiler to boiler, individual generator to generator; or for EGC, parent companies, or PCAs.

You can switch between EGC Location (Operator)-based and EGC Owner-based, as well as between Parent Company Location (Operator)-based and Parent Company Owner-based for companies.

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## SECTION IV. EXPORTS

Data:

Format type: Excel spreadsheet or Comma Separated Values (CSV), usually in a zip file

Either or both years of data

Displayed data from any or all of the tabs for the given entity(ies) selected

From GHG Emission Factors tab:

GHG Emission Factors Adobe PDF in a zip file

From Reports tab:

Summary Tables for 2005 as an Adobe PDF in a zip file

Summary Tables for 2004 as an Adobe PDF in a zip file

Zip code – eGRID subregion – CO<sub>2</sub> output emission rate for 2005 as an MS Excel spreadsheet in a zip file  
[not yet provided]

eGRID subregion Representational map for 2005 as an Adobe PDF in a zip file

NERC region Representational map for 2005 as an Adobe PDF in a zip file

eGRID subregion Representational map for 2004 as an Adobe PDF in a zip file

NERC region Representational map for 2004 as an Adobe PDF in a zip file

eGRID Paper(s) as an Adobe PDF in a zip file

From Help tab:

eGRID2007 Technical Support Document (TSD) as an Adobe PDF in a zip file. Includes variable descriptions, methodologies, data caveats.

Frequently Asked Questions (FAQs)

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## SECTION V. FAQs

### I. Category: Navigation

#### 1. **How do I return to my selected data after I clicked on the GHG Emission Factors/Reports/Notes/Help tabs?**

Click on the Data tab to return to your previous Select/View/Export Data screen.

#### 2. **After I made my selection and viewed the data, I realized that I needed to make some modifications to previous selection. Do I have to start over again? And what if I want to begin with new selections?**

No, you can return to Select Data in the top menu since the original selections will have remained checked and, therefore, can be modified. To make new selections, return to Select Data, click Reset in the top menu to clear all the selections (the defaults will take effect), and start again.

### II. Category: Selection

#### 1. **How do I select entities that I want to view?**

First choose the data year and aggregation level you want to view. Then check the entities you want to select from the list below; or use the Select All button and then uncheck any entities you want to deselect. You can refine the list of selection choices by choosing one to three filters.

#### 2. **What is the difference between location (operator)-based and owner-based for EGC and parent company aggregation levels?**

Location (operator)-based entities' data are aggregated from the plants' operators, while owner-based entities' data are aggregated from the plants' owners. Each plant has one operator; each plant has one or more owners, any of which may be different than the operator.

#### 3. **Can I keyword search by the State abbreviation, which is sometimes shown in parentheses after the entity name in the selection list?**

No, you can only keyword search the actual entity name. On the plant level, the State abbreviation in parentheses is not part of the actual plant name and is added after each plant name as a courtesy to the user to help distinguish, in most cases, plants with the same name that are located in different States. On the EGC level, the State abbreviation in parentheses is added after the EGC name in only several instances as a courtesy to the user to help distinguish companies with the same name that are located in different States. Please note that there are a many instances where text in parentheses is part of the actual entity name.

#### 4. **What do the arrows on the Select Data screen do?**

The arrows on the Select Data screen allow you to move backward and forward among the different pages that list all the entities that you could select that meet your criteria.

**5. What does “Browse by first letter” do?**

It filters the entities available for selection by the first letter that you choose.

**6. What does “Reset” do?**

It clears all the selections that you have on the Select Data screen and reinstates the defaults.

**7. What happens to my selections if I do not view them but instead go to a tab like Help or Reports first?**

You will lose your selections if you do not first view the data, so after going to the desired tab, go back to the Data tab and select entities again. To preserve your selections before viewing a different tab, click View Data first. You can then return to the selection you were viewing by clicking on the Data tab.

**8. Can I select entities that meet one of several criteria?**

Yes, you can do this manually. Select the entities that meet your first criteria, then, without clicking on Reset or changing the aggregation level, select more entities. You can use the built-in filters, Keyword search, and/or Browse by first letter. When you view the data, all of the selections you have made will be displayed.

III. Category: Display

**1. Where can I find out how many records there are in the selection criteria?**

When the selection criteria are completed, the number of records will be displayed to the right of the header Select <aggregation level> to View.

**2. What do the arrows on the View Data screen do?**

The arrows on the View Data screen allow you to move backward and forward among the different entities you have selected to display.

**3. How do I find out what a variable means?**

Please refer to the corresponding TSD, available from the Help tab, for descriptions of all the variables displayed in eGRIDweb.

**4. Can I switch years in all the aggregation levels?**

No, you can switch years if you select the power plant (and groups of boilers and generators), State, eGRID subregion, NERC region, or the U.S. aggregation level. You cannot switch years if you select EGCs, parent companies, or PCAs.

**5. Why do some variables have N/A values?**

The data were not available for eGRID purposes that year.



**6. Why are CO<sub>2</sub>, methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O) highlighted on the Emissions Profile screens?**

They are highlighted to emphasize that these three are GHGs.

**7. In the Emissions Profile screens, why are the number of decimal places for CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O different from those for nitrogen oxides (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), and mercury (Hg)?**

CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O have a different number of decimal places to differentiate the data for the GHGs from the other pollutants. This formatting is consistent with the formatting of the eGRID2007 year 2005 Excel files, available on EPA's eGRID website.

**8. In the Emissions Profile screen, why are CH<sub>4</sub>, N<sub>2</sub>O, and Hg expressed in pounds while NO<sub>x</sub>, SO<sub>2</sub>, and CO<sub>2</sub> are expressed in tons?**

CH<sub>4</sub>, N<sub>2</sub>O, and Hg are expressed in pounds because their emission values are much smaller than those for NO<sub>x</sub>, SO<sub>2</sub>, and CO<sub>2</sub>.

**9. Are power plant's boilers and generators linked between years?**

No, only the group of a plant's boilers, or the group of a plant's generators is related. Individual boilers or generators within a plant are not linked in eGRIDweb.

IV. Category: Export

**1. How do I export the data displayed?**

After you have viewed at least one selected entity, click on Export Data in the top menu, and make your selection.

**2. What export formats are available?**

The available formats are Microsoft Excel (XLS) or Comma-Separated Values (CSV); the file may be included in a downloadable ZIP file.

**3. Where can I download the representational maps (NERC and eGRID Subregion)?**


Please refer to the Reports tab to obtain the representational map for each corresponding data year.

**4. Why doesn't the multipart export work when trying to export a lot of data?**

When you want to export a large amount of data (e.g., for some large EGC and plant exports), eGRIDweb needs to build the exported file using a multipart export function. In order for this function to work, you must enable cookies and JavaScript on your browser.

V. Category: Print

**1. How do I print what is on the screen?**

Click the print icon  located on the top right of each screen; only the one screen displayed in the eGRIDweb will be printed. You can also use the Print As-Is feature at the bottom of the page with slightly different results.

**2. Can I print multiple screens?**

You can only print an individual screen at a time. However, if you export the data first, you may be able to print the data from multiple screens.

**3. How do I print out the explanation of the plant emission source(s) codes for each year?**

Please refer to the corresponding years' TSD, available from the Help tab.

VI. Category: File Formats

**1. How do I open the files that have a zip extension?**

You need to download, install, and use a program to “unzip” (or decompress) the file. For PCs, you can go to <http://www.download.com> for a trial version of WinZip12 or free versions of other decompression software. You can also go to [http://www.download.com/ZIP-Reader/3000-2250\\_4-10228628.html](http://www.download.com/ZIP-Reader/3000-2250_4-10228628.html) for a free version of PKWare's ZIP Reader. For Macs, you can go to [http://www.download.com/StuffIt-Expander/3000-2250\\_4-10653042.html](http://www.download.com/StuffIt-Expander/3000-2250_4-10653042.html) for a free version of StuffIt Expander.

**2. What are PDF files?**

Please go to <http://www.epa.gov/epahome/pdf.html> to learn about a Portable Document Format (PDF) file and how to download and install the free software program so that you can open and view PDF files.

VII. Category: Data Interpretation

**1. What is the coverage of the environmental characteristics in eGRID?**

The environmental characteristics in eGRID are those associated with the generation of electricity, not with the consumption of electricity. These values do not account for transmission and distribution losses, imports and exports among subregions, or life-cycle emissions at electric generating units (e.g., emissions from the extraction, processing, and transportation of fuels).

**2. What does location (operator)-based and owner-based mean for electric generating companies (EGCs) and parent companies?**

When aggregating data to the EGC (company) location (operator)-based level, the emissions, net generations, heat input, and nameplate capacity of all plants with a given operator (an EGC), will be summed, and the emission rates and resource mix will be calculated for this EGC location (operator)-based.

When aggregating data to the EGC (company) owner-based level, each plant that has an EGC that is at least a partial owner will have that owner's plant ownership percentage of emissions, net generation, heat input, and nameplate capacity summed, and the emission rates and resource mix will be calculated for this EGC owner-based.

The explanation would be analogous for parent company location (operator)-based and owner-based.

**3. Why is it called eGRID2007 when the data are from year 2005?**

Although the operational data are from year 2005 Federal databases, eGRID2007's plant ownership and operators, parent company affiliations, company mergers, and grid configurations reflect the industry's current structure as was known by December 31, 2007.

**4. Why don't the boiler emissions for a plant sum up to the plant's emissions?**

One reason might be that there are more units within the plant than those displayed in the eGRID boiler file, which consists of units reporting to EPA Clean Air Markets Division (CAMD)'s Emissions Tracking System (ETS)/ Continuous Emissions Monitoring (CEM) data system or the EIA-767.

Another reason might be that there have been adjustments made to the emissions at the plant level and not at the boiler level. All emissions rates are based on adjusted emissions. There are two types of possible emissions adjustments in eGRID: one if biomass is burned at the plant and one if the plant is a combined heat and power plant (CHP). The biomass adjustment is made at the boiler-fuel level and carried through to the plant level. The CHP adjustment is made at the plant level, and not at the boiler level. More detailed information can be found in the Methodology section of the eGRID TSD, which can be downloaded by first clicking on the Help tab and looking for the TSD section.

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## **SECTION VI. ERROR MESSAGES**

If there is no data available when you switch years for a specific plant, or switch years for a plant's boilers or generators as a group, or switch EGC types, or switch Parent Company types, an error message will be displayed.

If you are viewing a plant's data and you go to the boiler tab and there are no boiler data available, an error message will be displayed.

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# SECTION VII. SCREEN SHOTS

Home Screen:



Select Data Screen (defaults for data year and entity checked off):

The screenshot shows the eGRIDweb interface in a Mozilla Firefox browser window. The page title is "Clean Energy" and the header includes the U.S. Environmental Protection Agency logo and navigation links. The "Select Data" section is active, showing the following filters:

- Data Year:** 2005 (selected)
- Aggregation Level:** Power Plants (selected)
- Political Subdivision:** U.S. Total, State
- Grid Regions:** NERC Region, eGRID Subregion, Power Control Area (PCA)
- Companies:** Electric Generating Company (EGC) Location (Operator)-based, Electric Generating Company (EGC) Owner-based, Parent Company Location (Operator)-based, Parent Company Owner-based

The "Filter" section includes a "Plant filter" dropdown menu, a "Keyword search" field, and a "Browse by first letter" navigation bar with letters A through Z. Below the filters, the "Select Power Plant to View" section displays a list of 10 power plants, each with a checkbox:

<input type="checkbox"/> 1515 S Caron Road (IL)	<input type="checkbox"/> Adrian (MN)
<input type="checkbox"/> 191 Peachtree Tower (GA)	<input type="checkbox"/> Adrian Energy Associates LLC (MI)
<input type="checkbox"/> 2 AC Station (IN)	<input type="checkbox"/> AE Hunlock 4 (PA)
<input type="checkbox"/> 251 Project (CA)	<input type="checkbox"/> AEP Waterford Facility (OH)
<input type="checkbox"/> 3200 Wildwood Plaza (GA)	<input type="checkbox"/> Aera San Ardo Cogen Facility (CA)
<input type="checkbox"/> 491 E 48th Street (MI)	<input type="checkbox"/> Aera South Belridge Cogen Facility (CA)
<input type="checkbox"/> 5 AC Station (IN)	<input type="checkbox"/> Aera South Belridge Cogen Facility (IL)



Select Data Screen (using one of the built-in plant filters):

The screenshot shows the eGRIDweb interface in Mozilla Firefox. The browser title is "eGRIDweb | Clean Energy | US EPA - Mozilla Firefox". The page header includes the EPA logo and "Clean Energy" text. A search bar is present with "All EPA" selected and "This Area" as an option. The breadcrumb trail reads: "You are here: EPA Home » Climate Change » Clean Energy » Clean Energy Resources » eGRID » eGRIDweb".

The main navigation bar includes: Home, Data, GHG Emission Factors, Reports, Notes, Help.

The "Select Data" section contains the following filters:

- Data Year:**  2004,  2005
- Aggregation Level:**
  - Political Subdivision:**  U.S. Total,  State
  - Grid Regions:**  NERC Region,  eGRID Subregion,  Power Control Area (PCA)
  - Power Plants:**  Power Plant
  - Companies:**  Electric Generating Company (EGC) Location (Operator)-based,  Electric Generating Company (EGC) Owner-based,  Parent Company Location (Operator)-based,  Parent Company Owner-based
- Filter:** Plant filter: Power plants in a single State (dropdown), Rhode Island (dropdown), clear
- Keyword search:** (input field), go, clear
- Browse by first letter:** A B C D E F G H I J K L M N O P Q R S T U V W X Y Z clear

The "Select Power Plant to View" section shows 12 records with the following checkboxes:

<input type="checkbox"/> Block Island (RI)	<input type="checkbox"/> Ocean State Power II (RI)
<input type="checkbox"/> Bradford Dyeing Association (RI)	<input type="checkbox"/> Pawtucket Power Associates (RI)
<input type="checkbox"/> Brown University Central Heating (RI)	<input type="checkbox"/> Rhode Island Hospital (RI)
<input type="checkbox"/> Central Power Plant (RI)	<input type="checkbox"/> Rhode Island State Energy Partners (RI)
<input type="checkbox"/> Manchester Street (RI)	<input type="checkbox"/> Tiverton Power Plant (RI)
<input type="checkbox"/> Ocean State Power (RI)	<input type="checkbox"/> Tupperware (RI)

Buttons: Select All, Deselect All, View Data

The page footer contains the eGRIDweb logo.

View Data  
 Plant Emissions Profile (first screen):

The screenshot shows the eGRIDweb interface for the U.S. Environmental Protection Agency. The main heading is "Clean Energy". The page is titled "Power Plant Level Data" and shows the "View Data" step in a multi-step process. The plant profile for "Block Island" is displayed, including its ORISPL (6567), operator (Block Island Power Co), county (Washington), and state (Rhode Island). A table of emissions data is provided, showing annual emissions and rates for pollutants like CO2, SO2, NOx, CH4, and N2O. The interface also includes navigation tabs for "Home", "Data", "GHG Emission Factors", "Reports", "Notes", and "Help".

**Plant: Block Island**

ORISPL: 6567  
 Operator: Block Island Power Co  
 County: Washington  
 State: Rhode Island

Data Year: 2004, 2005

Pollutant	Emissions	Units	Output Emission Rates	Units	Input Emission Rates	Units
Annual CO <sub>2</sub>	10,186.4	tons	1,885.50	lb/MWh	161.27	lb/MMBtu
Annual SO <sub>2</sub>	11.69	tons	2.1640	lb/MWh	0.1851	lb/MMBtu
Annual NO <sub>x</sub>	85.53	tons	15.8308	lb/MWh	1.3540	lb/MMBtu
Ozone Season NO <sub>x</sub>	34.72	tons	15.8308	lb/MWh	1.3540	lb/MMBtu
Annual Hg	N/A		N/A		N/A	
Annual CH <sub>4</sub>	881.5	lbs	81.59	lb/GWh	N/A	
Annual N <sub>2</sub> O	176.3	lbs	16.32	lb/GWh	N/A	

Emission Source(s): 906, ?

Additional Emissions Rates

EPA Home | Privacy and Security Notice | Contact Us  
 Last updated on Tuesday, April 21st, 2009.  
[http://projects.pechan.com/epa/egrid/view\\_plnt.dfm](http://projects.pechan.com/epa/egrid/view_plnt.dfm)

## View Data

On the plant Emissions Profile (first screen), showing mouse over for all possible plant emission source codes (in this case, for data year 2005):

The screenshot shows the EPA eGRIDweb interface for the Venice power plant. The page is titled "Clean Energy" and includes a search bar and navigation tabs. The "View Data" step is active in the process flow. The "Power Plant Level Data" section shows the plant name "Venice" and its location in Madison, Illinois. The "Emissions Profile" section displays a table of pollutants and their annual emissions for 2005. A tooltip is shown over the emission source codes, providing detailed information about each source code.

Pollutant	Emis
Annual CO <sub>2</sub>	99,127
Annual SO <sub>2</sub>	0
Annual NO <sub>x</sub>	48
Ozone Season NO <sub>x</sub>	42
Annual Hg	
Annual CH <sub>4</sub>	3,878
Annual N <sub>2</sub> O	387

Emission Source(s): CEM, ?

Additional Emissions Rates

**The source(s) of emissions in year 2005 for the plant are:**

- CEM = NO<sub>x</sub>, SO<sub>2</sub>, and CO<sub>2</sub> emissions reported to EPA's Emissions Tracking System/Continuous Emissions Monitoring System (ETS/CEM); CH<sub>4</sub> and N<sub>2</sub>O emission estimated by applying EPA-approved emission factors to ETS/CEM data
- 767 = NO<sub>x</sub>, SO<sub>2</sub>, CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions estimated by applying EPA-approved emission factors to EIA-767 data
- 906 = NO<sub>x</sub>, SO<sub>2</sub>, CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions estimated by applying EPA-approved emission factors to EIA-906/920 data
- ICR = Mercury emissions estimated using EPA's Year 2002 Coal Mercury data, which is based on EPA's 1999 ICR
- MWC = Mercury emissions estimated using EPA's Year 2000 Large MWC Boiler Database for mercury

View Data Screen

Plant Additional Emissions Rates (second Emissions Profile screen):

The screenshot shows the EPA eGRIDweb interface in a Mozilla Firefox browser window. The page title is 'Clean Energy' and the header includes the U.S. Environmental Protection Agency logo and navigation links. The main content area is titled 'Power Plant Level Data' and shows the plant name 'Block Island'. Below this, there is a table of 'Combustion Output Emission Rates' for the year 2005. The table lists various pollutants and their emission rates in different units. A 'Back' button is visible at the bottom left of the data area.

Plant: **Block Island**

ORISPL: 6567  
Operator: Block Island Power Co  
County: Washington  
State: Rhode Island

Data Year  
 2004  
 2005

**Combustion Output Emission Rates**

	Rates	Units
Annual CO <sub>2</sub>	1,885.50	lb/MWh
Annual SO <sub>2</sub>	2.1640	lb/MWh
Annual NO <sub>x</sub>	15.8308	lb/MWh
Ozone Season NO <sub>x</sub>	15.8308	lb/MWh
Annual Hg	N/A	
Annual CH <sub>4</sub>	81.59	lb/GWh
Annual N <sub>2</sub> O	16.32	lb/GWh

Back

EPA Home | Privacy and Security Notice | Contact Us  
Last updated on Tuesday, April 21st, 2009.  
http://projects.pechan.com/epa/egrid/view\_plnt.dfm  
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View Data Screen  
 eGRID Subregion Additional Emissions Rates (second Emissions Profile screen):

The screenshot shows the eGRIDweb interface in a Mozilla Firefox browser window. The page title is "eGRIDweb | Clean Energy | US EPA - Mozilla Firefox". The breadcrumb trail is: EPA Home > Climate Change > Clean Energy > Clean Energy Resources > eGRID > eGRIDweb. The main navigation tabs are Home, Data, GHG Emission Factors, Reports, Notes, and Help. The current view is "View Data" for "eGRID Subregion Level Data" (page 13 of 26). The subregion is "NYCW -- NPCC NYC/Westchester" with NERC: NPCC. The data year is set to 2005. The "Emissions Profile" tab is selected, showing "Generation Resource Mix".

**Fossil Fuel Output Emission Rates**

Pollutant	Fossil Fuel				Units	Fossil Fuel				Units
	Fossil Fuel	Coal	Oil	Gas		Fossil Fuel	Coal	Oil	Gas	
Annual CO <sub>2</sub>	1,416.58	N/A	1,584.84	1,280.34	lb/MWh	133.77	N/A	145.82	123.55	lb/MMBtu
Annual SO <sub>2</sub>	1.0832	N/A	2.0006	0.3404	lb/MWh	0.1023	N/A	0.1841	0.0328	lb/MMBtu
Annual NO <sub>x</sub>	1.2240	N/A	1.5965	0.9224	lb/MWh	0.1156	N/A	0.1469	0.0890	lb/MMBtu
Ozone Season NO <sub>x</sub>	1.0564	N/A	1.3243	0.8296	lb/MWh	0.1004	N/A	0.1251	0.0793	lb/MMBtu
Annual Hg	N/A	N/A	N/A	N/A	lb/MWh	N/A	N/A	N/A	N/A	lb/MWh
Annual CH <sub>4</sub>	N/A	N/A	N/A	N/A	lb/MWh	N/A	N/A	N/A	N/A	lb/MWh
Annual N <sub>2</sub> O	N/A	N/A	N/A	N/A	lb/MWh	N/A	N/A	N/A	N/A	lb/MWh

**Non-baseload Output Emission Rates**

Pollutant	Units	Combustion Output Emission Rates	Units
Annual CO <sub>2</sub>	1,525.05 lb/MWh	1,451.96	lb/MWh
Annual SO <sub>2</sub>	1.2297 lb/MWh	1.0635	lb/MWh
Annual NO <sub>x</sub>	1.3995 lb/MWh	1.2976	lb/MWh
Ozone Season NO <sub>x</sub>	1.2235 lb/MWh	1.2209	lb/MWh
Annual Hg	0.0049 lb/GWh	0.0106	lb/GWh
Annual CH <sub>4</sub>	56.80 lb/GWh	64.14	lb/GWh
Annual N <sub>2</sub> O	9.08 lb/GWh	9.72	lb/GWh

Back

View Data Screen  
 EGC Owner-based Generation Resource Mix Screen:

U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Clean Energy

Search:  All EPA  This Area

You are here: [EPA Home](#) » [Climate Change](#) » [Clean Energy](#) » [Clean Energy Resources](#) » [eGRID](#) » [eGRIDweb](#)

eGRIDweb [Home](#) [Data](#) [GHG Emission Factors](#) [Reports](#) [Notes](#) [Help](#)

Reset | 1 Select Data | 2 View Data | 3 Export Data

**Electric Generating Company (EGC) Owner-based Level Data** [page 8 of 121]

Company: **Packaging Corp of America**

Parent Company:  
 Capacity (MW): 68.7  
 Net Generation (MWh): 483,819.9  
 Heat Input (MMBtu): 2,618,174.7

Data Year: 2005  
 Location (Operator)-based  
 Owner-based

**Emissions Profile** | **Generation Resource Mix**

Nonrenewable Resource	Fuel Mix %	MWh	Renewable Resource	Fuel Mix %	MWh
Coal	19.7832	95,715.0	Wind	0.0000	0.0
Oil	6.1338	29,676.5	Solar	0.0000	0.0
Gas	2.2841	11,050.7	Geothermal	0.0000	0.0
Other Fossil	0.0000	0.0	Biomass	69.5533	336,512.6
Nuclear	0.0000	0.0	Hydro	2.2457	10,865.2
Other Unknown / Purchased Fuel	0.0000	0.0			
<b>Nonrenewable Total</b>	<b>28.2010</b>	<b>136,442.1</b>	<b>Renewable Total</b>	<b>71.7990</b>	<b>347,377.8</b>
			<b>Nonhydro Renewable Total</b>	<b>69.5533</b>	<b>336,512.6</b>

	Fuel Mix %	MWh
Combustion Total	97.7543	472,954.8
Noncombustion Total	2.2457	10,865.2

eGRIDweb

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View Data Screen  
 Plant Ownership Screen:

The screenshot shows the eGRIDweb interface for the U.S. Environmental Protection Agency. The page is titled "Clean Energy" and displays the "Plant Ownership" screen for the "George Neal South" plant. The plant is located in Iowa, operated by MidAmerican Energy Co. The data is for the year 2005. The ownership is distributed among 14 different entities, with MidAmerican Energy Co. being the largest owner at 40.57%.

Owner	Percentage Owned
1 City of Algona	2.9400
2 Bancroft Municipal Utilities	0.3500
3 Cedar Falls Utilities	2.5000
4 Coon Rapids City of	0.5200
5 Corn Belt Power Coop	9.0300
6 City of Graettinger	0.1700
7 Interstate Power and Light Co	25.7000
8 City of Laurens	0.5200
9 MidAmerican Energy Co	40.5700
10 City of Milford	0.3500
11 Northwest Iowa Power Coop	4.8600
12 Northwestern Energy (SD)	8.6800
13 Spencer City of	1.2100
14 City of Webster City	2.6000

View Data Screen  
 Plant Characteristics Screen, Venice (IL), data year 2005:

The screenshot shows the eGRIDweb interface in a Mozilla Firefox browser window. The page title is "Clean Energy" and it is part of the U.S. Environmental Protection Agency's website. The main navigation menu includes "Home", "Data", "GHG Emission Factors", "Reports", "Notes", and "Help". The "Data" menu is active, and the "View Data" step is highlighted in the process flow (Reset, Select Data, View Data, Export Data).

The "Power Plant Level Data" section shows the plant name "Venice" and provides basic information: ORISPL: 913, Operator: AmerenUE, County: Madison, State: Illinois. A "Data Year" selector is set to 2005.

The "Characteristics" tab is selected, displaying a table of plant details:

PCA:	Ameren - Illinois	Latitude:	38.6642
NERC Region:	SERC	Longitude:	-90.1764
eGRID Subregion:	SRMW	County Centroid?:	No
Nameplate Capacity (MW):	623.5	No. of Boilers:	4
Capacity Factor:	0.0297	No. of Generators:	5
Net Generation (MWh):	162,478.9		
Heat input (MMBtu):	1,667,570.0		
Primary Fuel:	Natural gas		
Any Coal Burned?:	No		
Primary Fossil Fuel Category:	GAS		
Heat Rate (Nominal) (Btu/kWh):	10,263.2994		

At the bottom of the page, there are links for "EPA Home", "Privacy and Security Notice", and "Contact Us". A footer note states: "Last updated on Tuesday, April 21st, 2009. http://projects.pechan.com/epa/egrid/view\_plnt.cfm Print As-Is".



View Data Screen  
 Plant Characteristics Screen, Venice (IL), data year 2004:

The screenshot shows the eGRIDweb interface in a Mozilla Firefox browser window. The page title is "Clean Energy" and it is part of the U.S. Environmental Protection Agency's website. The main navigation menu includes "Home", "Data", "GHG Emission Factors", "Reports", "Notes", and "Help". The "Data" menu is currently selected, and the "View Data" option is active. The page displays the "Power Plant Level Data" for the "Plant: Venice".

**Plant: Venice**

ORISPL: 913  
 Operator: AmerenUE  
 County: Madison  
 State: Illinois

Data Year:  
 2004  
 2005

The "Characteristics" tab is selected, showing the following data:

PCA:	Ameren Transmission	Latitude:	38.6642
NERC Region:	SERC	Longitude:	-90.1764
eGRID Subregion:	SRMW	County Centroid?:	N/A
Nameplate Capacity (MW):	892.5	No. of Boilers:	2
Capacity Factor:	0.0003	No. of Generators:	8
Net Generation (MWh):	2,365.0		
Heat input (MMBtu):	51,480.0		
Primary Fuel:	Natural gas		
Any Coal Burned?:	N/A		
Primary Fossil Fuel Category:	GAS		
Heat Rate (Nominal) (Btu/kWh):	21,767.8100		

At the bottom of the page, there are links for "EPA Home", "Privacy and Security Notice", and "Contact Us". The page was last updated on Tuesday, April 21st, 2009, and the URL is [http://projects.pechan.com/epa/egrid/view\\_plnt.cfm](http://projects.pechan.com/epa/egrid/view_plnt.cfm). There is also a "Print As-Is" link.

View Data Screen  
 Plant Boiler Screen, Venice (IL), data year 2004:

The screenshot shows the eGRIDweb interface for the Venice plant boiler. The page is titled "Power Plant Level Data" and shows the following information:

**Plant: Venice**

- ORISPL: 913
- Operator: AmerenUE
- County: Madison
- State: Illinois

**Data Year:** 2004 (selected), 2005

**Boiler ID: CT2A** [boiler 1 of 2]

Primary Fuel:	Natural gas	Annual Heat Input (MMBtu):	26,771.0
Load Hours:	0	Annual CO <sub>2</sub> (tons):	1,675.1
Year On-line:	0	Annual SO <sub>2</sub> (tons):	0.09
Number of Associated Generators:	0	Annual NO <sub>x</sub> (tons):	1.34
Bottom, Firing Type:		Ozone Season NO <sub>x</sub> (tons):	0.82
SO <sub>2</sub> Control Device:		Emissions Data Source:	ETS/CEM
NO <sub>x</sub> Control Device:			

At the bottom of the page, there are links for [EPA Home](#), [Privacy and Security Notice](#), and [Contact Us](#). The page was last updated on Tuesday, April 21st, 2009, and the URL is [http://projects.pechan.com/epa/egrid/view\\_plnt.cfm](http://projects.pechan.com/epa/egrid/view_plnt.cfm). There is also a [Print As-Is](#) link.

View Data Screen  
 Plant Boiler Screen, Venice (IL), data year 2005:

The screenshot shows the eGRIDweb interface in a Mozilla Firefox browser window. The page is titled "Clean Energy" and is part of the U.S. Environmental Protection Agency's website. The main navigation menu includes "Home", "Data", "GHG Emission Factors", "Reports", "Notes", and "Help". The "Data" menu is selected, and the "View Data" step is active in the process flow (Reset, Select Data, View Data, Export Data).

The "Power Plant Level Data" section shows the following information for the Venice plant:

- Plant: Venice
- ORISPL: 913
- Operator: AmerenUE
- County: Madison
- State: Illinois

The "Data Year" selector is set to 2005. The "Boilers" tab is selected, showing the "Boiler ID: CT03" (boiler 1 of 4). The boiler data table is as follows:

Primary Fuel:	Natural gas	Annual Heat Input (MMBtu):	706,657.0
Load Hours:	0	Annual CO <sub>2</sub> (tons):	41,995.7
Year On-line:	2005	Annual SO <sub>2</sub> (tons):	0.21
Number of Associated Generators:	0	Annual NO <sub>x</sub> (tons):	19.21
Bottom, Firing Type:		Ozone Season NO <sub>x</sub> (tons):	17.80
SO <sub>2</sub> Control Device:		Emissions Data Source:	ETS/CEM
NO <sub>x</sub> Control Device:	Dry low NO <sub>x</sub> premixed technology, Water injection		

At the bottom of the page, there are links for "EPA Home", "Privacy and Security Notice", and "Contact Us". A footer note states: "Last updated on Tuesday, April 21st, 2009. http://projects.pechan.com/epa/egrid/view\_plnt.cfm Print As-Is".

View Data Screen  
 Plant Generator Screen:

The screenshot displays the eGRIDweb interface within a Mozilla Firefox browser window. The page is titled 'Clean Energy' and is part of the U.S. Environmental Protection Agency's website. The main navigation bar includes 'Home', 'Data', 'GHG Emission Factors', 'Reports', 'Notes', and 'Help'. The 'Data' section is active, showing a progress indicator: '1 Select Data', '2 View Data', and '3 Export Data'. The current view is 'Power Plant Level Data' on page 1 of 12.

The plant information is as follows:

<b>Plant: A B Brown</b>		Data Year	
ORISPL:	6137	<input type="radio"/>	2004
Operator:	Vectren South	<input checked="" type="radio"/>	2005
County:	Posey		
State:	Indiana		

Below the plant information, there are tabs for 'Emissions Profile', 'Generation Resource Mix', 'Characteristics', 'Ownership', 'Boilers', and 'Generators'. The 'Generators' tab is selected, showing 'Generator ID: 5' (generator 4 of 4).

Primary Fuel:	Natural gas	Nameplate Capacity (MW):	88.2
Prime Mover:	Combustion (gas) turbine	Capacity Factor:	0.0000
Year On-line:	2002	Annual Net Generation (MWh):	0.0
Number of Associated Boilers:	0	Ozone Season Net Generation (MWh):	0.0
		Generation Data Source:	

At the bottom of the page, there are links for 'EPA Home', 'Privacy and Security Notice', and 'Contact Us'. A footer note states: 'Last updated on Tuesday, April 21st, 2009. http://projects.pechan.com/epa/egrid/view\_plnt.cfm Print As-Is'.

Plant Export Data Screen:

The screenshot shows the eGRIDweb interface for the U.S. Environmental Protection Agency's Clean Energy section. The browser window title is "eGRIDweb | Clean Energy | US EPA - Mozilla Firefox". The page has a navigation menu with "Home", "Data", "GHG Emission Factors", "Reports", "Notes", and "Help". The "Data" menu is active, showing a sub-menu with "Reset", "1 Select Data", "2 View Data", and "3 Export Data". The "Export Data" option is selected, leading to the "Power Plant Export" screen.

The "Power Plant Export" screen has three main sections:

- Select Data Year(s) to Export:** Includes checkboxes for 2004 and 2005, both of which are checked.
- Select Data Subset(s) to Export:** Includes checkboxes for Emissions Profile, Generation Resource Mix, Characteristics, Ownership, Boilers, and Generators, all of which are checked.
- Select File Format to Export:** Includes radio buttons for Excel (selected), CSV, and a button for Export.

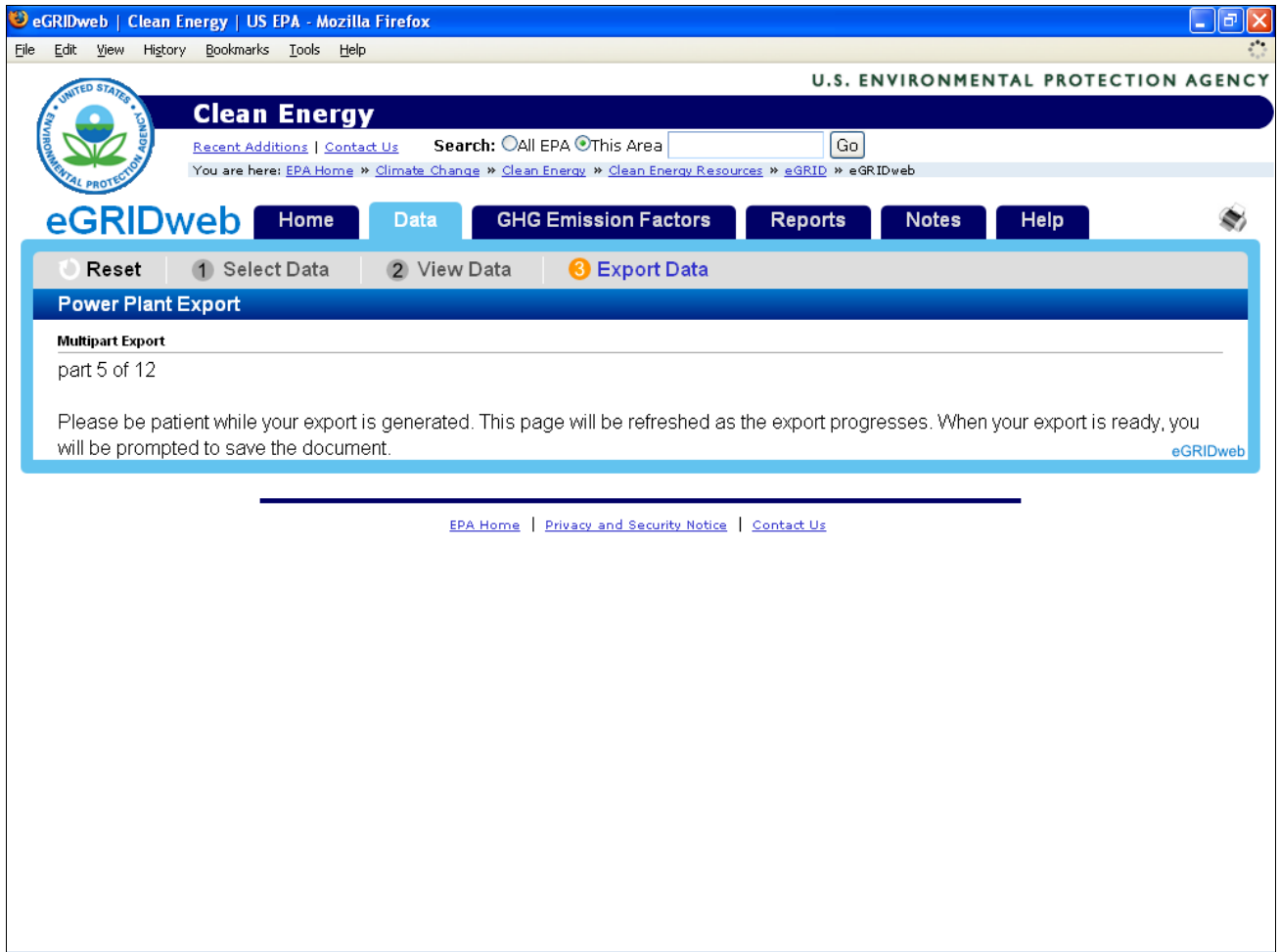
The **Export Snapshot** section displays a list of power plants:

- 59th Street (NY)
- 74th Street (NY)
- AES Cayuga (NY)
- AES Greenidge LLC (NY)
- AES Somerset LLC (NY)
- AES Westover (NY)
- Al Turi (NY)
- Albany Landfill Gas Utilization Project (NY)
- Alice Falls Hydro Project (NY)
- Allegany Cogen (NY)

Below the list, a note states: "This snapshot only displays the first ten of 304 records that will be exported."

At the bottom of the page, there are links for "EPA Home", "Privacy and Security Notice", and "Contact Us". A footer note indicates the page was last updated on Tuesday, April 21st, 2009, with the URL "http://projects.pechan.com/epa/egrid/export\_plnt.cfm" and a "Print As-Is" link.

Plant (and EGC) display a multi export screen if you export many records and data elements. (Both JavaScript and Cookies must be enabled in the browser in order for the multi part export to work completely.) It takes a few minutes. There are two screens:



eGRIDweb | Clean Energy | US EPA - Mozilla Firefox

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U.S. ENVIRONMENTAL PROTECTION AGENCY

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**eGRIDweb** [Home](#) [Data](#) [GHG Emission Factors](#) [Reports](#) [Notes](#) [Help](#)

**Power Plant Export**

**Multipart Export Complete**

Click the Download button to save your export file.

eGRIDweb

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[http://projects.pechan.com/epa/egrid/export\\_PLNT\\_multipart.dfm?bExportDone=1](http://projects.pechan.com/epa/egrid/export_PLNT_multipart.dfm?bExportDone=1)  
[Print As-Is](#)

State Import-Export Data Screen (both years of data are displayed):

The screenshot shows the eGRIDweb interface for the State Level Data screen. The page is titled "Clean Energy" and is part of the U.S. Environmental Protection Agency's website. The state selected is Texas. The data is presented in a table with columns for Year, Total Net Generation (GWh), Total Consumption (GWh), Estimated Net Imports (GWh), Net Imports%, and Net Exports%. The data for 2004 and 2005 is displayed. A "Data Year" selector is set to 2005. The page also includes navigation links, a search bar, and a footer with contact information and a last updated date of Tuesday, April 21st, 2009.

**State Level Data**

State: **Texas**

Capacity (MW): 108,093.4  
 Net Generation (MWh): 397,230,222.1  
 Heat Input (MMBtu): 3,292,609,350.7

Data Year:  2004  2005

**State Import-Export Data**

Year	Total Net Generation (GWh)	Total Consumption (GWh)	Estimated Net Imports(GWh) <sup>a</sup>	Net Imports% <sup>b</sup>	Net Exports% <sup>c</sup>
2004	347,872.24	320,889.33	-215.69	---	0.06
2005	356,878.69	334,616.32	-219.71	---	0.06

<sup>a</sup> - Positive values denote net imports; negative values denote exports.  
<sup>b</sup> - As a percent of total consumption.  
<sup>c</sup> - As a percent of total net generation.  
 --- - No meaningful data.

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[http://projects.pecan.com/epa/egrid/view\\_st.cfm](http://projects.pecan.com/epa/egrid/view_st.cfm)  
[Print As-Is](#)



U.S. Generation and Consumption Data Screen (both years of data are displayed):

The screenshot displays the eGRIDweb interface within a Mozilla Firefox browser window. The page title is "Clean Energy" and it is part of the U.S. Environmental Protection Agency's website. The navigation menu includes "Home", "Data", "GHG Emission Factors", "Reports", "Notes", and "Help". The "Data" menu is active, showing a workflow: "Reset" (1), "Select Data" (2), "View Data" (3), and "Export Data".

The main content area is titled "United States Level Data" and "United States Total". It lists the following metrics:

- Capacity (MW): 1,067,745.8
- Net Generation (MWh): 4,056,441,933.0
- Heat Input (MMBtu): 29,581,161,275.6

A "Data Year" selector is set to 2005. Below this, the "U.S. Generation and Consumption Data" table is displayed:

Year	U.S. Total Net Generation (GWh)	U.S. Total Consumption (GWh)	Net Foreign Imports (GWh) <sup>a</sup>
2004	3,788,836.87	3,575,414.45	11,312.61
2005	3,902,469.70	3,685,714.00	24,724.63

<sup>a</sup> - Positive values denote net imports; negative values denote exports.

At the bottom of the page, there are links for "EPA Home", "Privacy and Security Notice", and "Contact Us". A footer note states: "Last updated on Wednesday, April 22nd, 2009. http://projects.pechan.com/epa/egrid/view\_us.cfm" with a "Print As-Is" link.

## eGRIDweb Application Error Messages:

1. No plant data when switching from data year 2005 to 2004:

The screenshot shows a web browser window with the URL [http://projects.pechan.com/epa/egrid/view\\_plnt.cfm](http://projects.pechan.com/epa/egrid/view_plnt.cfm). The page header includes the U.S. Environmental Protection Agency logo and the text "Clean Energy". Below the header, there is a navigation menu with buttons for "Home", "Data", "GHG Emission Factors", "Reports", "Notes", and "Help". The main content area is titled "Power Plant Level Data" and displays the plant name "191 Peachtree Tower". A message states: "There is no data for this plant for 2004". To the right of this message is a "Data Year" selector with radio buttons for "2004" (selected) and "2005". At the bottom of the page, there are links for "EPA Home", "Privacy and Security Notice", and "Contact Us", along with a timestamp: "Last updated on Tuesday, April 21st, 2009." and a "Print As-Is" link. The browser status bar at the bottom shows "Done".

2. No boilers in a plant (for noncombustion plants):

The screenshot shows the eGRIDweb Clean Energy interface in a Mozilla Firefox browser. The page header includes the U.S. Environmental Protection Agency logo and the text "Clean Energy". A search bar is present with options for "All EPA" and "This Area". The breadcrumb trail reads: "You are here: EPA Home » Climate Change » Clean Energy » Clean Energy Resources » eGRID » eGRIDweb".

The main navigation menu includes: Home, Data, GHG Emission Factors, Reports, Notes, and Help. Below this is a workflow bar with steps: Reset, 1 Select Data, 2 View Data (highlighted), and 3 Export Data.

The "Power Plant Level Data" section displays the following information for "Adams Wind Farm":

Plant:	Adams Wind Farm
ORISPL:	56307
Operator:	Garwin McNeilus
County:	Mower
State:	Minnesota

To the right of this data is a "Data Year" selector with radio buttons for 2004 and 2005 (selected).

Below the data is a horizontal menu with tabs: Emissions Profile, Generation Resource Mix, Characteristics, Ownership, Boilers, and Generators. The "Boilers" tab is active, and the content area below it displays "No associated boilers".

At the bottom of the page, there are links for "EPA Home", "Privacy and Security Notice", and "Contact Us". A footer note states: "Last updated on Wednesday, April 22nd, 2009. http://projects.pechan.com/epa/egrid/view\_plnt.dfm Print As-Is".

3. No EGC data when switching from EGC Location (Operator)-based to EGC Owner-based for data year 2005:

The screenshot shows the eGRIDweb interface in a Mozilla Firefox browser window. The page title is "eGRIDweb | Clean Energy | US EPA - Mozilla Firefox". The browser's address bar shows the URL "http://projects.pechan.com/epa/egrid/view\_egco.cfm". The page header includes the U.S. Environmental Protection Agency logo and the text "U.S. ENVIRONMENTAL PROTECTION AGENCY". Below the header is a "Clean Energy" section with a search bar and navigation links. The main content area is titled "Electric Generating Company (EGC) Owner-based Level Data" and displays the company name "Western Kentucky Energy Corp". A message states "There is no data for this Electric Generating Company (EGC) Owner-based". A legend indicates the data year is 2005 and the view is "Owner-based". The footer contains links for "EPA Home", "Privacy and Security Notice", and "Contact Us", along with the date "Last updated on Wednesday, April 22nd, 2009" and a "Print As-Is" link.

4. No Parent Company data when switching from Parent Company Owner-based to Parent Company Location (Operator)-based for data year 2004:

The screenshot shows the eGRIDweb interface in a Mozilla Firefox browser window. The page title is "Clean Energy | US EPA - Mozilla Firefox". The browser's address bar shows the URL "http://projects.pechan.com/epa/egrid/view\_prd.cfm". The page header includes the U.S. Environmental Protection Agency logo and the text "U.S. ENVIRONMENTAL PROTECTION AGENCY". Below the header, there is a "Clean Energy" section with a search bar and a "Share" button. The main navigation menu includes "Home", "Data", "GHG Emission Factors", "Reports", "Notes", and "Help". The "Data" menu is expanded, showing options: "Reset", "1 Select Data", "2 View Data", and "3 Export Data". The "View Data" option is selected, leading to a page titled "Parent Company Location (Operator)-based Level Data". The page content shows "Parent Company: Peoples Energy Corp" and a message: "There is no data for this Parent Company Location (Operator)-based". A legend indicates the "Data Year: 2004" and shows "Location (Operator)-based" as the selected option. The footer contains links for "EPA Home", "Privacy and Security Notice", and "Contact Us", along with the text "Last updated on Wednesday, April 22nd, 2009." and the URL "http://projects.pechan.com/epa/egrid/view\_prd.cfm".

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## **SECTION VIII. CONTACT US**

For further information, contact us at [eGRIDweb@pechan.com](mailto:eGRIDweb@pechan.com).

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