

NONRESIDENTIAL MARKET SHARE TRACKING STUDY

APPENDIX K PUBLIC DATABASE USER MANUAL

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California Energy Commission

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Nonresidential Market Share Tracking Study
Public Accessible Database
USER MANUAL

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1. INTRODUCTION

This application provides easy methods for displaying selected data analysis results from the Nonresidential Market Share Tracking Study commissioned by the California Energy Commission.

This study included onsite surveys of manufacturing plants, a telephone survey of technology suppliers, and selected data from other related studies. **Please note these selected data cannot replace the full data sources from which they are drawn. When you select DEER as a data source, for example, you are not accessing the full DEER database, available separately at <http://www.energy.ca.gov/deer/>.**

2. STARTING UP THE APPLICATION

2.1 Introduction Screen

To startup the application, first double click **NRMSTS Public Access Database** icon on your PC desktop or the appropriate file in the directory where the Database resides. You will see the screen as shown in Figure 1 below:



Figure 1. Introduction Screen

Two buttons are available on this screen:

- 1) Select Technology or Behavior of Interest: This opens a form contains

all available technology selections. See Figure 2 below.

- 2) Quit Application: This closes the application after confirming with you.

2.2 Select Technology

On this screen, select the technology desired. Note: only one technology is allowed to be selected each time. Upon your selection, the “Select Segments of Interest” screen displays. See Figure 3.

Nonresidential Market Share Tracking Study	
Select Technology or Behavior of Interest	
<input type="checkbox"/>	Air Conditioning (Packaged)
<input type="checkbox"/>	Blowers
<input type="checkbox"/>	Chillers
<input type="checkbox"/>	Compressed Air Systems
<input type="checkbox"/>	Electric Motors
<input type="checkbox"/>	Electronic Process Controls
<input type="checkbox"/>	Energy Management Systems
<input type="checkbox"/>	Fluid Pumping (Process Applications)
<input type="checkbox"/>	Gas-Fueled Heating (Process Applications)
<input type="checkbox"/>	Lighting
<input type="checkbox"/>	Maintenance Practices
<input type="checkbox"/>	Power Generation
<input type="checkbox"/>	Refrigeration
<input type="checkbox"/>	Variable Speed Drives
<input type="checkbox"/>	Water Reuse and Recycling
<input type="checkbox"/>	Windows
<input type="checkbox"/>	Other Food Processing Technologies and Behaviors
<input type="checkbox"/>	Information not associated with a specific technology

Figure 2. Select Technology Screen

3. SELECT SEGMENTS OF INTEREST

3.1 Introduction

One or more studies may contain data about the technology selected. If multiple studies, a multi-tab form will display with a tab for each study. (See Figure 3). Each study has brief and detail descriptions available on its tab.

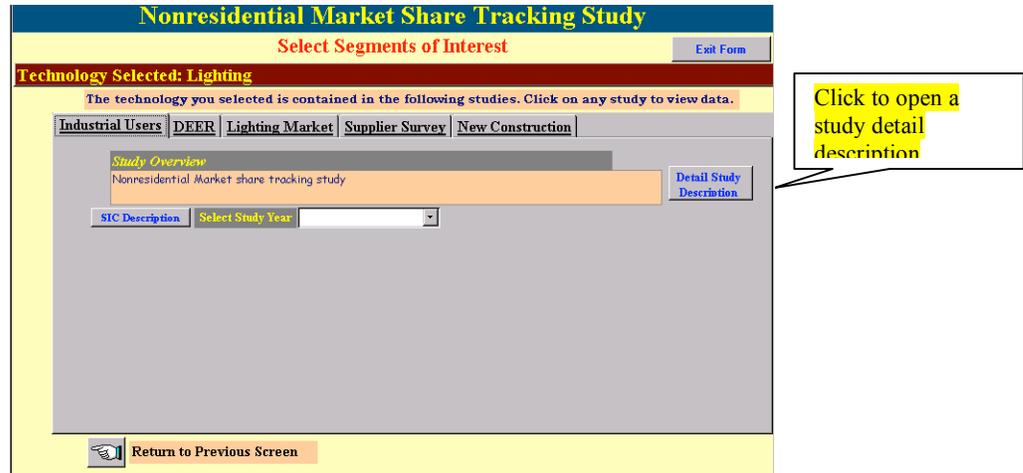


Figure 3. Select Segments of Interest Screen
 The following table lists all technologies and related studies:

Technology	Number of Studies	Study Name Displayed in Tab
Air Conditioning (Packaged)	2	DEER Res. Market Share
Blower	1	Industrial Users
Chillers	3	DEER Suppliers Survey New Construction
Compressed Air System	1	Industrial Users
Electric Motors	1	Industrial Users
Electronic Process Controls	2	Industrial Users Food Processing
EMS	1	Industrial Users
Energy Management Systems	2	Industrial Users Food Processing
Fluid Pumping (Process Applications)	1	Industrial Users
Gas-Fueled Heating (Process Application)	1	Industrial Users
Lighting	5	DEER Lighting Market Industrial Users Suppliers Survey New Construction
Maintenance Practices	2	Industrial Users Food Processing
Other Food Processing Technologies and Behaviors	1	Food Processing
Power Generation	1	Industrial Users
Refrigeration	1	Industrial Users
Variable Speed Drives	2	Industrial Users Food Processing
Water Reuse and Recycling	1	Industrial Users
Windows	3	DEER

		Suppliers Survey New Construction
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3.2 Industrial Users

On the Industrial Users tab (See Figure 4):

- Select study year from the dropdown list
- Select SIC (1987 U.S. SIC Description will display if clicking on the “SIC Description” button)
- Select utility territory if the selected year is “Phase 1: 2001 – 2002” or “Phase 2: 2002 – 2003” and selected “ALL” SICs in Step a)
- Click on the button labeled “Select Interests on Next Screen” to display the next screen. (See Figure 5).
- Select the category of Interest from the dropdown list. This is optional. If no selection is made, all interests will be displayed. Clicking on “All Categories” button will select all available categories. If a description is too long to display completely on the screen, click on that description, a zoom window will popup displaying entire description.

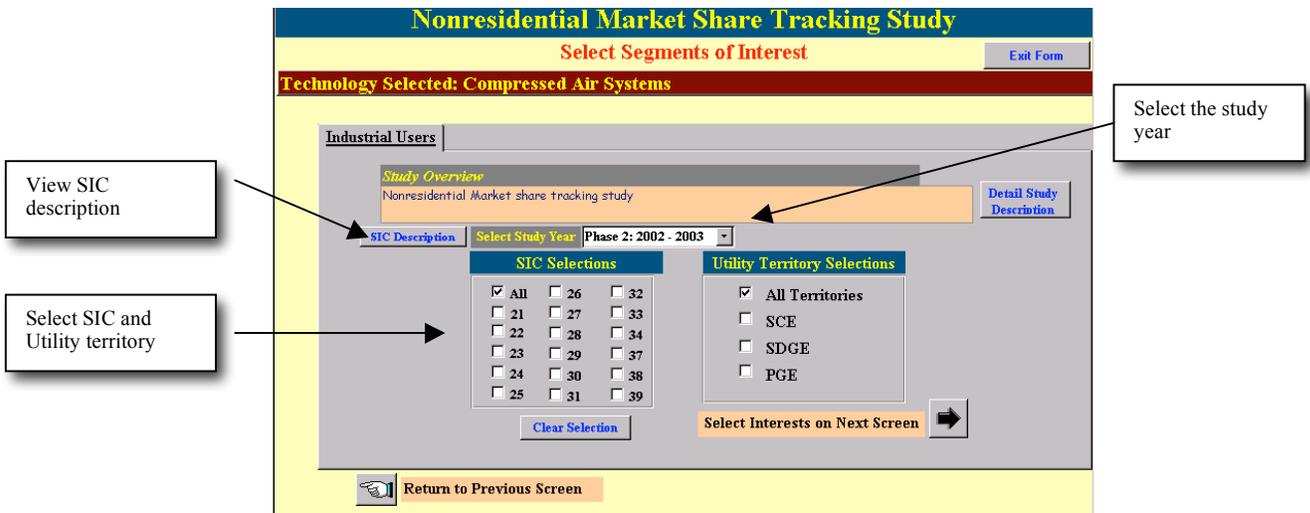


Figure 4. Select Segments of Interest for Industrial Users Study

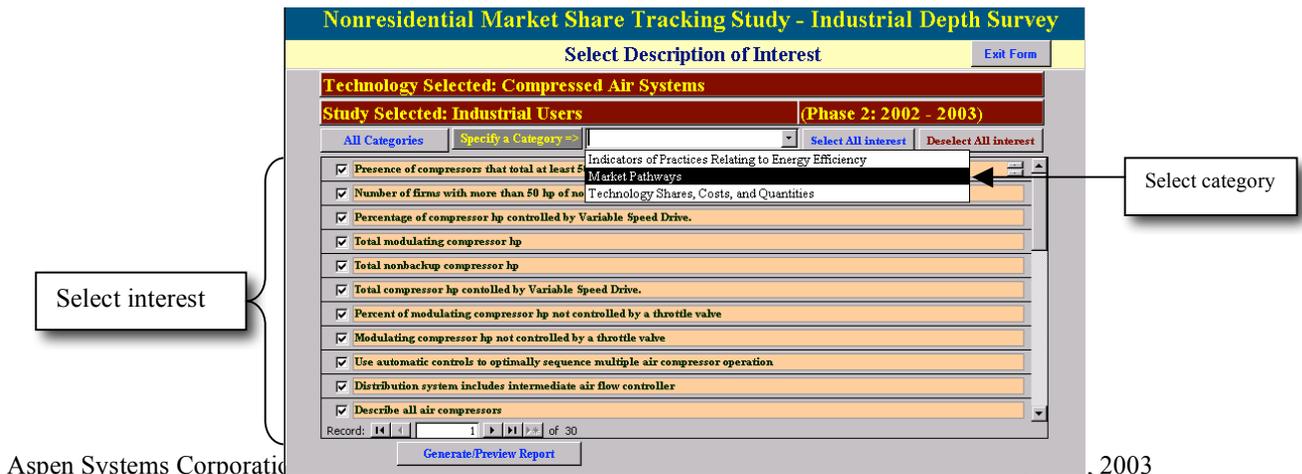


Figure 5. Select Description of Interest

- f) Click on the check box in front of each interest you desire to view data. Multiple selections are allowed. You may use “Select All” to check all available interests or “Deselect All” to clear all selections.
- g) Click on the button at the bottom labeled “Generate/Preview Report” to preview the desired result.
- h) Click “Exit” button will return to the previous screen.

DEER -

On the DEER tab (See Figure 6):

- a) Select a technology type in the list box, using the scroll bar as needed
- b) View data displayed in the sub-form on the right of the screen. Note, this form contains two buttons at the top: measure and cost. Click on either button and switch between the separate parts of information. The buttons at the bottom of this form are used for navigating records.
- c) Click on the button labeled “Generate/Preview Report” to preview the desired result. (Note: this report displays selected data elements from the database.)

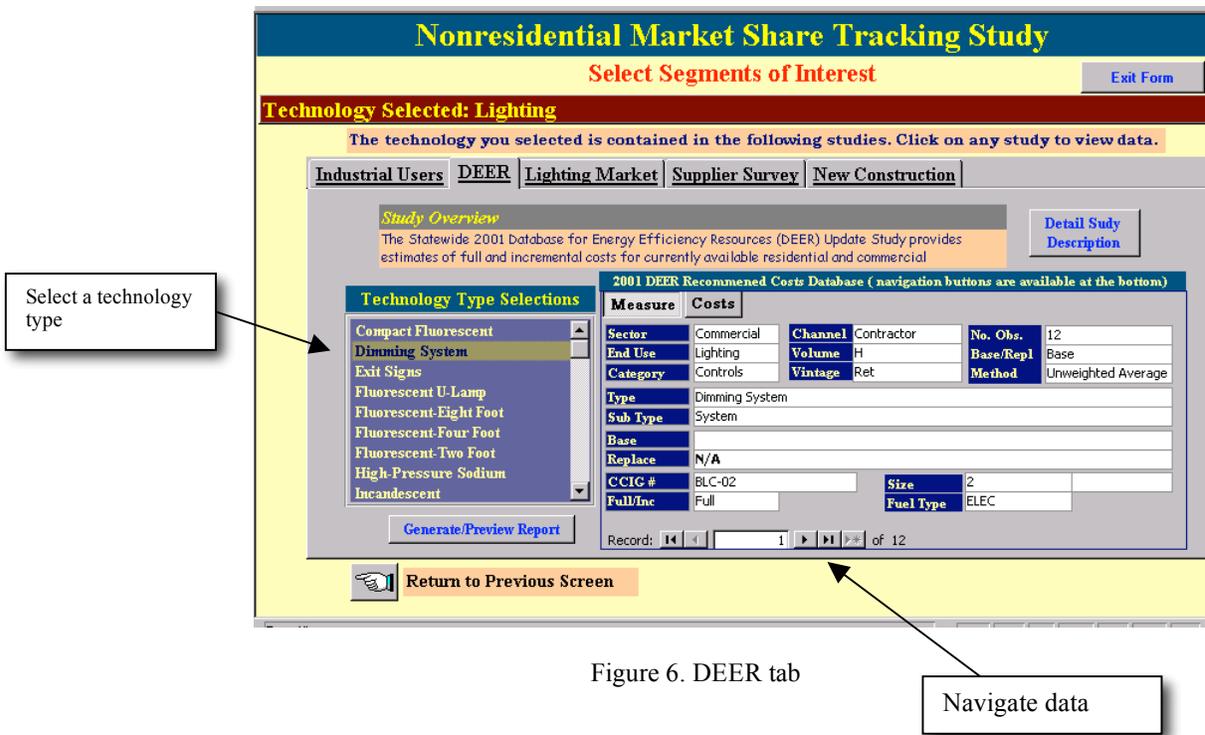


Figure 6. DEER tab

3.3 Lighting Market

On the Lighting Market tab (See Figure 7):

- a) Click on the check box in front of any topic you desire to view data. Only one topic can be selected each time.
- b) Click on the button labeled “Generate/Preview Report” to preview the desired result.

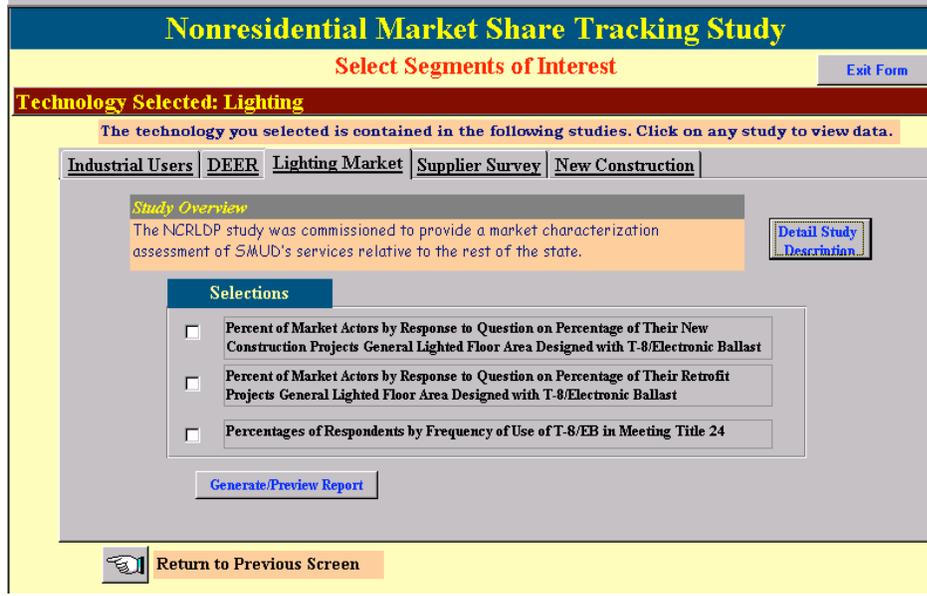


Figure 7. Lighting Market Tab

3.4 Supplier Survey

On the Supplier Survey tab (See Figure 8):

- a) Different check boxes will display according to the technology selected on the previous screen. Click on the check box in front of any topic you desire to view data. Only one topic can be select each time. Note, if you selected “Windows” on the technology selection screen, No check boxes will display. That means no further options for the “Windows”.
- b) Click on the button labeled “Select Interests on Next Screen”. The next screen displayed is same as described in 3.1 above (See Figure 4).
- c) Select the category of Interest from the dropdown list. This is optional. If no selection is made, all interests will be displayed. Clicking on “All Categories” button will select all available categories.
- d) Click on the check box in front of each interest you desire to view data. Multiple selections are allowed. You may use “Select All” to check all available interests or “Deselect All” to clear all selections. Click on the button at the bottom labeled “Generate/Preview Report” to preview the desired result. If a description is too long to display completely on the screen, click on that description, a zoom window will popup displaying entire description.
- e) Click “Exit” button will return to the previous screen (same function as “Return to Previous Screen” button).

Nonresidential Market Share Tracking Study

Select Segments of Interest [Exit Form](#)

Technology Selected: Lighting

The technology you selected is contained in the following studies. Click on any study to view data.

[Industrial Users](#) | [DEER](#) | [Lighting Market](#) | [Supplier Survey](#) | [New Construction](#)

Study Overview
Telephone surveys were conducted to collect market-share and market-attribute data for lighting equipment, chillers, and windows moving through upstream market pathways and destined for use in nonresidential buildings. [Detail Study Description](#)

Lighting Selections

Designers
 Distributors
 Manufacturers

[Select Interests on Next Screen](#)

[Return to Previous Screen](#)

Figure 8. Supplier Survey Tab

3.5 New Construction

On the New Construction tab (See Figure 9):

- a) Select “Territory” in the list. Only one selection is allowed.
- b) Select “Building Type” in the list. Multiple selections are allowed. Note, you can select either “All Building” types or multiple building types, but not both.
- c) Select technology types in the list. Multiple selections are allowed. You may use the button beneath this list to select or deselect all technology types. Note, this button is a toggle button, it switches between “Select All Tech. Types” and “Deselect All Tech. Types”.
- d) Click on the button at the bottom labeled “Generate/Preview Report” to preview the desired result.
- e) Click “Exit” button will return to the previous screen (same function as “Return to Previous Screen” button)



Figure 9. New Construction Tab

3.6 Food Processing

On the Food Processing tab (See Figure 10):

- a) Click on the check box in front of the topic you desire to view data. Only one topic can be selected each time.
- b) Click on the button labeled “Generate/Preview Report” to preview the desired result.



Figure 10. Food Processing Tab

3.7 Res. (Residential) Market Share

On the Res. Market Share tab (See Figure 11):

- a) Click on the check box in front of any topic you desire to view data. Only one topic can be selected each time.
- b) Click on the button labeled “Generate/Preview Report” to preview the desired result.

The screenshot displays a web application interface for the "Nonresidential Market Share Tracking Study". At the top, there is a blue header with the title "Nonresidential Market Share Tracking Study" and a yellow sub-header "Select Segments of Interest" with an "Exit Form" button. Below this, a red banner indicates "Technology Selected: Air Conditioning (Packaged)". A yellow box below the banner states: "The technology you selected is contained in the following studies. Click on any study to view data." There are two tabs: "DEER" and "Res Market Share", with "Res Market Share" being the active tab. The main content area is titled "Study Overview" and contains the text: "The objective of this study is to estimate market shares of energy-efficient products over time within the California residential market." To the right of this text is a "Detail Study Description" button. Below the overview is a "Selections" section with two checkboxes: "Percent Energy Star Qualified" and "Total Energy Star Units Sold". At the bottom of the selections section is a "Generate/Preview Report" button. At the very bottom of the interface is a "Return to Previous Screen" button with a hand cursor icon.

Figure 11. Res. (Residential) Market Share Tab

4. OUTPUT DATA

There are some ways to make the output format customized. The “Page setup” and “Zoom” shortcut icons are available on the menu bar. That allows you re-setup the page such as paper size, orientation, margins, display size on the screen, and zoom/out of zoom. See Figure 12.

After you preview the result of any of the above selections, you may output the result as follows:

4.1. Print report

To print any report after preview, click on the printer shortcut icon on the menu bar. Clicking the “Close” on the menu bar to return to the previous screen.

4.2. Output Data to a file

You can save the report with other software such as Excel and Word (rtf) and output data into a file. To do this, you can click on the “OfficeLink” shortcut icon (either Word *[W]* or Excel *[X]*) on the menu bar at the top of the screen.

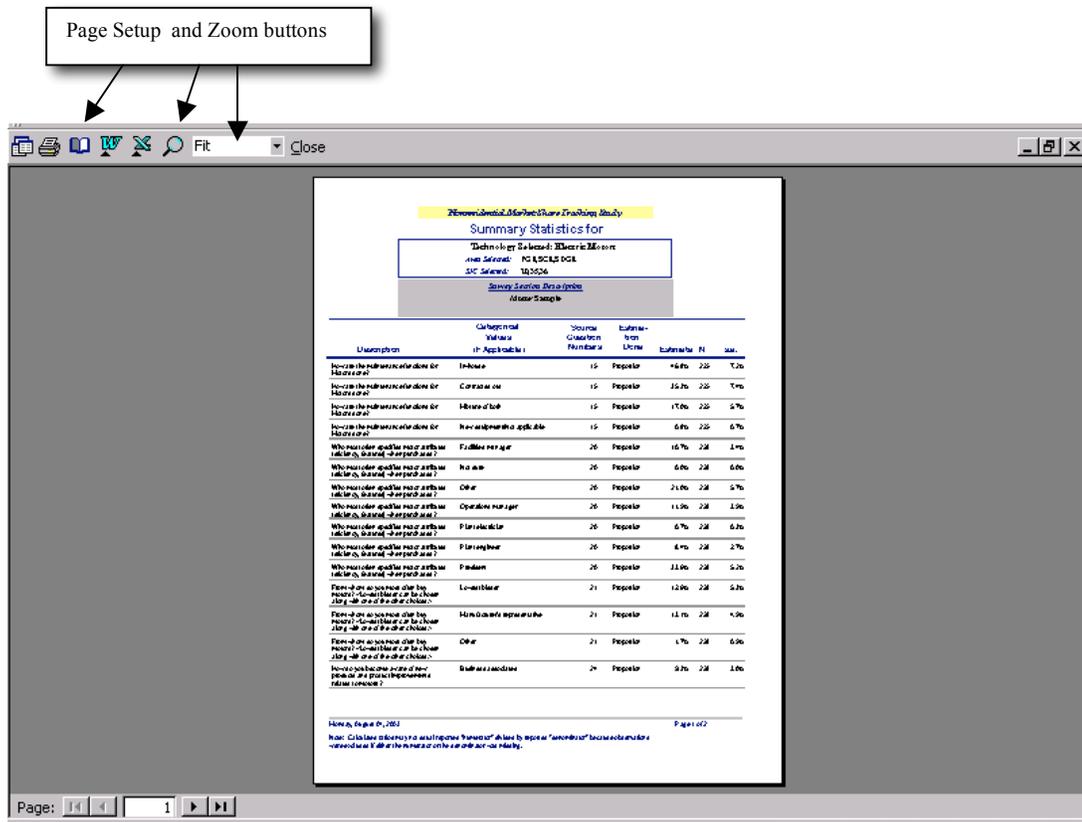


Figure 12. Print/Output Reports