

NREL Small Wind Speakers Toolkit



**PowerPoint
Presentations**

**Consumers
Guides**

**DOE Field
Verification
Project**

**Additional
References**

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National Renewable Energy Laboratory

**How to Use This CD
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U.S. Department of Energy
Energy Efficiency and Renewable Energy



Small Wind for Home, Farm, and Business

This CD contains a comprehensive multi-media slide show about small wind power for home, farm, and business applications. Select the appropriate link below to launch the slide show "Main Menu" (SMALL WIND MAIN MENU.ppt) in your version of PowerPoint and press the "F5" key to go into slide show mode. All of the other files that make up the complete slide show are linked from this file. Internet links require internet access and will open in your browser. This CD contains the native PowerPoint slides for those who wish to work with the slides directly.

[PowerPoint 2000 \(Windows NT, 2000\)](#)

[PowerPoint 2002 \(Windows XP\)](#)

Also available is a [Small Wind Slide Show Outline](#) and [Slide Show Clues](#) section on how to best operate the show.

For Mac users, click the link below to view a full-screen PDF version of the presentation in Acrobat Reader. Use **only your mouse** and click on **Icons** in the main menu, **navigation buttons**, **blue text links**, and **video icons** to navigate throughout the entire presentation. Internet links require internet access and will open in your browser. PC users can use this version, too.

[Small Wind for Home, Farm, and Business Slide Show \(PDF\)](#)

Questions?

Contact Jim Green at NREL:
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303/279-6779



The [Small Wind Electric Systems: U.S. Consumer's Guide](#) provides consumers with information to help them determine if a small wind electric system can provide all or a portion of the energy they need for their home or business based on their wind resource, energy needs, and their economics. Topics discussed in the guide include: how to make your home more energy efficient, how to choose the right size turbine, the parts of a wind electric system, determining if there is enough wind resource on your site, choosing the best site for your turbine, connecting your system to the utility grid, and if it's possible to become independent of the utility grid using wind energy. Also included are 22 state-specific versions and a version for the [American Corn Growers Association](#).

[Alaska](#)

[Delaware](#)

[Idaho](#)

[Illinois](#)

[Iowa](#)

[Kansas](#)

[Maine](#)

[Massachusetts](#)

[Minnesota](#)

[Montana](#)

[New Hampshire](#)

[New Jersey](#)

[New Mexico](#)

[North Dakota](#)

[Ohio](#)

[Oregon](#)

[Pennsylvania](#)

[Rhode Island](#)

[South Dakota](#)

[Virginia](#)

[Vermont](#)

[Washington](#)

These reports are also available on the Web at:
www.eere.energy.gov/windpoweringamerica/small_wind.html





The FVP quarterly reports, filed by the recipients, document the progress and the hurdles that FVP participants experience in the wind energy field, thus documenting the process for small wind electric system installation. Individuals or organizations can learn from this process. For example, each county in the United States has its own guidelines, which either accelerate or hinder progress in siting and installing a turbine at a host site. Readers can follow the progress of the five recipients from siting, zoning, attending public meetings, ordering hardware, installing the system, troubleshooting and maintaining the system, and monitoring and reporting data.

Quarterly Reports

2001

[Issue #6, April 2003](#)

3rd Quarter (July - September 2001)

[Issue #5, April 2002](#)

2nd Quarter (April - June 2001)

[Issue #4, September 2001](#)

1st Quarter (January - March 2001)

2000

[Issue #3, June 2001](#)

4th Quarter (October-December 2000)

[Issue #2, May 2001](#)

3rd Quarter (July - September 2000)

[Issue #1, October 2000](#)

2nd Quarter (April - June 2000)

These reports are also available on the Web at:

www.nrel.gov/wind/verification_project_reports.html



These additional references about small wind are also available on this CD:

Apples and Oranges 2002: Choosing a Home-Sized Wind Generator

Mick Sagrillo, Used with Permission

(also available at www.homepower.com/files/hp90-50.pdf)

Apples and Oranges '02 Technical Appendix

Mick Sagrillo, Used with Permission

(also available at www.homepower.com/files/SagrilloA&OTech.App.pdf)

The U.S. Small Wind Turbine Industry Roadmap

(also available at www.awea.org/smallwind/documents/31958.pdf)

The Effects of Net Metering on the Use of Small-Scale Wind Systems in the United States

T.L. Forsyth and M. Pedden: National Renewable Energy Laboratory;

T. Gagliano: National Conference of State Legislatures

(also available at www.nrel.gov/docs/fy03osti/32471.pdf)

Emerging Opportunities for Wind Development to Meet Objectives of Supplemental Environmental Projects and State Implementation Plans: Preprint

K.C. Sinclair: National Renewable Energy Laboratory

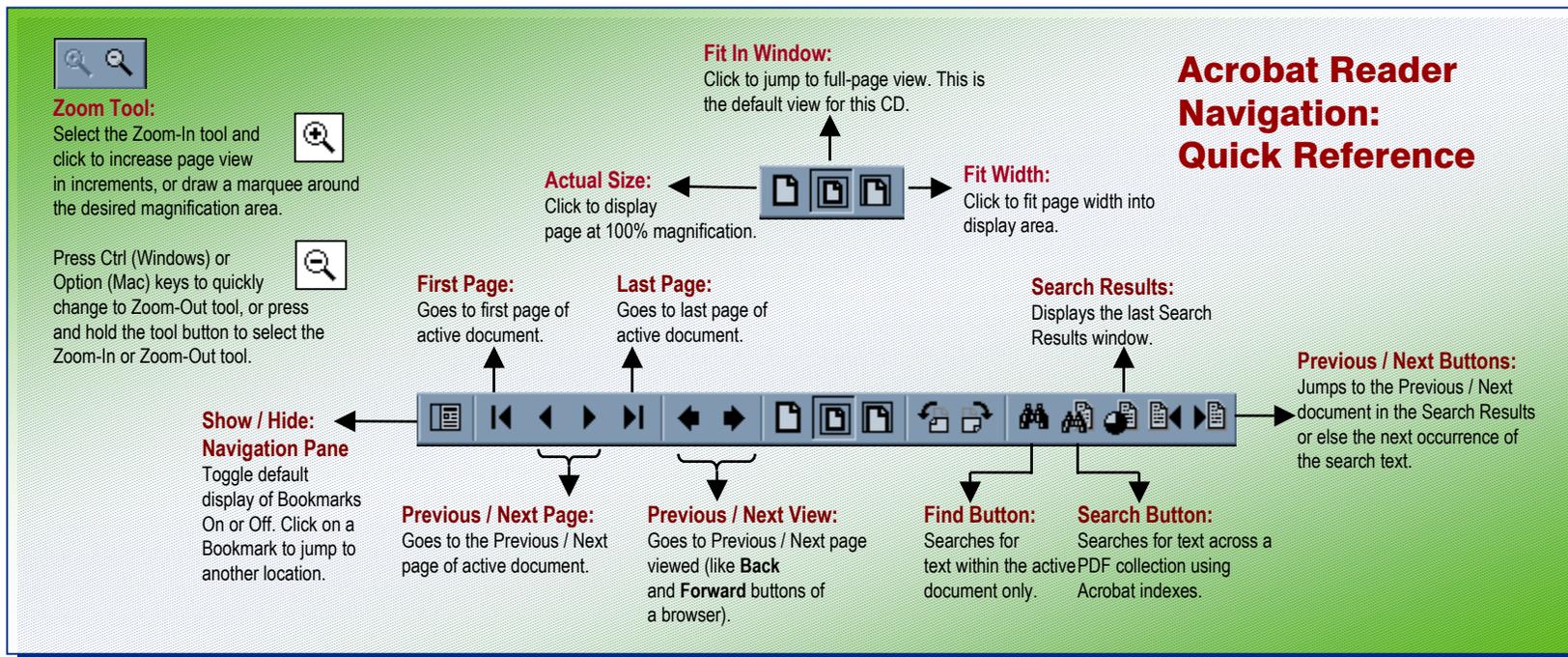
(also available at www.nrel.gov/docs/fy02osti/32466.pdf)

How to Use This CD

This toolkit contains a collection of presentations, videos, and PDFs enabling small wind speakers to conduct informative presentations. The entire CD can be viewed offline using **Acrobat Reader 5** or higher, and an application capable of playing .mpg files (e.g. **Microsoft Windows Media Player** or **Apple QuickTime Player**). Acrobat Reader 5+Search is recommended for full-text search capability. Native presentation files are provided in the "ppts" folder on this CD in **Microsoft PowerPoint® 2000** and **2002** formats.

Internet access is required to follow the links to Web sites or to use the e-mail links to open your mail client. If you have the full Adobe Acrobat software installed, be sure to select **Edit, Preferences, Web Capture**, and change the "Open Weblinks" option to "**In Web Browser**."

Numerous icons and blue text links navigate throughout the presentation, and bookmarks in the navigation pane are available to quickly navigate the entire CD. See the Navigation Quick Reference below for explanations of the Acrobat Reader tools most applicable to this CD.



Acrobat Reader Navigation: Quick Reference

Zoom Tool:
Select the Zoom-In tool and click to increase page view in increments, or draw a marquee around the desired magnification area.
Press Ctrl (Windows) or Option (Mac) keys to quickly change to Zoom-Out tool, or press and hold the tool button to select the Zoom-In or Zoom-Out tool.

Show / Hide: Navigation Pane
Toggle default display of Bookmarks On or Off. Click on a Bookmark to jump to another location.

First Page:
Goes to first page of active document.

Last Page:
Goes to last page of active document.

Actual Size:
Click to display page at 100% magnification.

Fit In Window:
Click to jump to full-page view. This is the default view for this CD.

Fit Width:
Click to fit page width into display area.

Search Results:
Displays the last Search Results window.

Previous / Next Page:
Goes to the Previous / Next page of active document.

Previous / Next View:
Goes to Previous / Next page viewed (like **Back** and **Forward** buttons of a browser).

Find Button:
Searches for text within the active PDF collection using Acrobat indexes.

Search Button:
Searches for text across a Acrobat indexes.

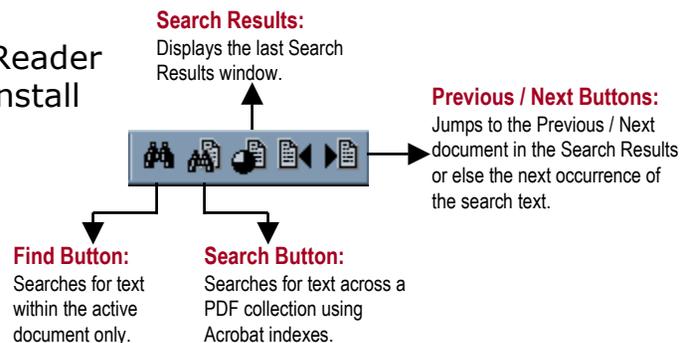
Previous / Next Buttons:
Jumps to the Previous / Next document in the Search Results or else the next occurrence of the search text.

How to Search This CD

The value of Acrobat Reader is enhanced by the search features. The Acrobat Search command allows you to perform full-text searches of PDF document collections that have been indexed, whereas the Acrobat Find command allows you to search only the active document.

The Search feature is available only if your Reader installation includes the Search plug-in. To install the Acrobat Reader 5+Search software, click here for [Mac](#) or [PC](#) platforms.

The first noticeable difference with the search-enabled reader is the addition of the Toolbar buttons shown here.



To Perform a Full-Text Search

- 1 Choose Edit > Search > Query, or click on the Search button. 
- 2 Type the text you want to search for in the Find Results Containing Text box:
The text that you type in can be a single word, a number, a term, or a phrase. It can be a word, with or without wild-card characters (*, ?), or any combination of letters, numbers, and symbols.
To clear the search dialog box and redefine the search, click Clear.
- 3 Click on Search. Documents that match your search query are listed in the Search Results window in order of relevancy.
- 4 Double-click a document that seems likely to contain the relevant information, probably the first document in the list. The document opens on the first match for the text you typed.
- 5 Click the Next Highlight or Previous Highlight buttons on the Toolbar to go to other matches in the document. Or double-click another document to view from the Search Results window.

NOTICE

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This PowerPoint presentation was originally released at the Small Wind State Stakeholders Meeting in Austin, Texas, May 18, 2003. Some editorial changes have been made within this version, but the primary content is unchanged.

Permission for the use of excerpts from the "Residential Wind Power with Mick Sagrillo" video, published by Scott Andrews, "Apples & Oranges 2002 Choosing a Home-Sized Wind Generator," and "Apples & Oranges 2002, Apples and Oranges 02 Technical Appendix" written by Mick Sagrillo and published by Home Power Magazine on the Small Wind Speakers Toolkit CD was granted by Mick Sagrillo.



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