

**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street  
Sacramento, California 95814

Main website: [www.energy.ca.gov](http://www.energy.ca.gov)



## **Technical Staff Workshop on Software for Estimating Fatalities of Bats and Birds at Wind Energy Facilities**

A technical workshop will be presented demonstrating the use of new free software to estimate bird and bat fatalities at wind energy facilities in California and beyond.

**TUESDAY, JANUARY 31, 2012**

2 – 5 p.m.

**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street

First Floor, Hearing Room B

Sacramento, California

Presentations and audio from the meeting will be broadcast via our WebEx web meeting service. For details on how to participate via WebEx, please see the “Remote Attendance” section toward the end of this notice.

### **Background and Purpose**

Fatality monitoring programs for bats and birds have become standard practice at wind energy facilities in California and beyond. It is well-recognized that accurate estimates of the total numbers of animals killed must be corrected for those missed by searchers and those scavenged by other animals. Such estimates require the use of complex statistical equations that are often outside the expertise of those conducting carcass searches.

As part of an Energy Commission Public Interest Energy Research (PIER) program grant, a software package has been developed that simplifies and standardizes the estimation process and provides statistically robust fatality estimates for wind energy facilities. This free software is intended to standardize the process of estimating fatalities from sites where searcher efficiency and scavenger removal trials are incorporated into carcass searches.

A workshop describing the study design and statistical underpinnings of the software, as well as demonstrating its use, is being offered on January 31, 2012 at the California Energy Commission Headquarters in Sacramento California. The workshop will be conducted from 2:00 – 5:00 p.m.

The workshop will be ‘hands-on’ and example datasets will be provided to demonstrate the use of the software. Participants are encouraged to bring a laptop with the latest

version of the software “R” pre-loaded. R can be downloaded from <http://www.r-project.org/>. A copy of “the estimator software” will be distributed to participants at the workshop.

To be added to the list of participants please contact Ted Weller ([tweller@fs.fed.us](mailto:tweller@fs.fed.us)) or Manuela Huso ([mhuso@usgs.gov](mailto:mhuso@usgs.gov)).

## **Public Participation**

The Energy Commission Public Adviser’s Office provides the public assistance in participating in Energy Commission activities. If you want information on how to participate in this forum, please contact Jennifer Jennings, Public Adviser, at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or by e-mail at [PublicAdviser@energy.state.ca.us]. If you have a disability and require assistance to participate, please contact Lou Quiroz at (916) 654-5146 at least five days in advance.

Please direct all news media inquiries to the Media and Public Communications Office at (916) 654-4989, or by e-mail at [mediaoffice@energy.state.ca.us]. If you have questions on the subject matter of this forum, please call John Mathias, Energy Commission Specialist I, (916) 327-2381 or by e-mail at [jmathias@energy.state.ca.us].

## **Remote Attendance and Availability of Documents**

### **Participation through WebEx, the Energy Commission's on-line meeting service Computer Log on with a Direct Phone Number:**

- Please go to [https://energy.webex.com] and enter the unique meeting number:
- **928 237 457**
- When prompted, enter your information and the following meeting password **meeting@2**
- After you log in, a prompt will appear on-screen for you to provide your phone number. In the Number box, type your area code and phone number and click OK to receive a call back on your phone for the audio of the meeting. International callers can use the "Country/Region" button to help make their connection.

### **Computer Log on for Callers with an Extension Phone Number, etc.:**

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- After you log in, a prompt will ask for your phone number. **CLICK CANCEL.**
- Instead call 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the meeting number above and your unique Attendee ID number which is listed in the top left area of your screen after you log in. International callers can dial in using the "Show all global call-in numbers" link (also in the top left area).

### **Telephone Only (No Computer Access):**

Call 1-866-469-3239 (toll-free in the U.S. and Canada) and when prompted enter the unique meeting number: **928 237 457**. International callers can select their number from [<https://energy.webex.com/energy/globalcallin.php>].

If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239. Please be aware that the meeting's WebEx audio and on-screen activity may be recorded.

List Server Distribution: Energy RD&D / PIER program, Wind Energy and Avian Mortality