

AGENDA | September 22-24, 2009
Altamont Pass Wind Resource Area
Scientific Review Committee

All SRC Meetings are Open to the Public

Meeting Location

[Courtyard Marriott Emeryville](#)

5555 Shellmound St.

Emeryville, CA 94608-2401

(510) 652-8777

[Get directions](#) - [View larger map](#)

Check-in can begin Monday, September 21. Please mention the room-block "SRC." Government Room rate is \$140.

Parking: On-site parking fee: \$9 daily

For More Information

Sandra Rivera, Alameda County

510-670-6526

Objectives

- Explore and reach consensus on analytical methods for Diablo Winds and Seasonal Shutdown
- Identify SRC work plan to close out 3-year process

SRC Meeting Overview

Tuesday, Sept. 22

9 AM-9 PM

Analysis Workshop

Wednesday, Sept. 23

8:30 AM-9 PM

Compliance & Analysis Workshop

Thursday, Sept. 24

9 AM-5 PM

SRC "Business"

| Day 1 Tuesday, Sept. 22 | | | |
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| Time | Agenda Item | Lead | Materials |
| 9:00 | Welcome and Meeting Overview | Sandra Rivera, Alameda County | |
| 9:15 | Introductions | Facilitator Gina Bartlett, Center for Collaborative Policy, CSUS | |
| 9:20 | Review Agenda & Workshop Ground Rules | | Agenda |
| Analytical Workshop | | | |
| 9:45 | Overview Part 1 | Jesse Schwartz, JSA | |
| 10:00 | Data Summaries Presentation of raw observations of fatalities and review of the available data. Summaries of fatalities grouped by: <ul style="list-style-type: none"> ▪ String & plots ▪ Seasons & years ▪ Species & various bird groups | Jesse Schwartz, JSA | To Prepare: View Data Tutorial (from 9/17/2009 Webinar) in advance— www.altamontsrc.org M37 Fatalities Table Data Dictionary M38 Altamont Database Technical Reference |
| 11:00-2:00 Simulations with Working Lunch | | | |
| Workshop participants will explore the results of data simulations for attaining “expected” results from the data. The results of these simulations will be used in subsequent steps to evaluate the outcomes of various statistical and mathematical approaches to adjusting and expanding fatality data. | | | |
| 11:00 | Application of the Horvitz-Thompson Estimator to Simulated Fatality Data | Julie Yee, USGS, Scientific Review Committee Member | P121 Yee Simulations. (9-10-09) P123 Yee PPT Presentation (9-22-09) |
| 12:00 | Short Break with Lunch Served | | |
| 12:30 | Bayesian Model Parameter development through Monte Carlo Simulations | Bill Warren-Hicks, EcoStat, Inc. | P120 Warren Hicks Altamont Mortality Model (9-9-09) P124 Warren-Hicks PPT Presentation (9-22-09) |
| 1:30 | <i>Tentative:</i> Model Selection for the Evaluation of a Zero-Dominated Data Set | Guest Lecturer | P125 Stark PPT Presentation (9-22-09) |

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| 2:00 | Break | | |
| 2:20 | Process Check and Agenda Revisions | | |

Analyses

The group will apply a variety of statistical and mathematical analyses to the Altamont data set as a whole, and to subsets of the data. The group will work first through the Diablo Winds, seasonal shutdown, and, if time allows, the APWRA-wide data set. The Altamont SQL database will be used in combination with statistical software to implement a variety of tests on the data and to refine a set of reasonable models for estimating fatalities.

| Time | Agenda Item | Lead | Materials |
|--------------|---|------|-----------|
| 2:45-9:00 pm | Diablo Winds Analysis <ol style="list-style-type: none"> 1. Tests of normality and heterogeneity 2. ARIMA and seasonal trends 3. Application of the Horvitz-Thompson estimator <ol style="list-style-type: none"> a. Smallwood b. KB study c. Simulation derived 4. Poisson & ZIP analyses 5. Relationships to turbine characteristics and capacity 6. Preliminary analysis of bird use data | | |

Day 2 | Wednesday, September 23

| Time | Agenda Item | Lead | Materials |
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| 9:00 | Alameda County Compliance Report | Sandra Rivera, Alameda County | P126 Alameda County APWRA Compliance Report 9-22-09 P127 NextEra Outline of Seasonal Shutdown Process SRC 9-23-09 Meeting |

Analytical Workshop Continues

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| 9:35 | Seasonal Shutdown <ol style="list-style-type: none"> 1. Turbine status 2. Statistical analyses 3. Tests among groups (shutdown vs. out groups) <i>Break as appropriate during morning session.</i> | | |
| 12:30-1:30 | Lunch on Own | | |
| 1:30-9:00 | APWRA-Wide Expansions | | |

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| pm | <ol style="list-style-type: none"> 1. Operational capacity through time and space 2. Statistical analyses 3. Tests among groups <ul style="list-style-type: none"> ▪ Operational vs. non-operational ▪ Turbine types ▪ Regions ▪ Species patterns ▪ Bird group patterns | | |
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Day 3 | Thursday, September 24

| Time | Agenda Item | Lead | Materials |
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| 9:00 | Preparing to Brief Science Advisors to the Conservation Plan | Wayne Spencer, Ph.D., Conservation Biology Institute | P122_CBI APWRA Science Process Update Memo (9-17-09) |
| 9:40 | Workshop Revisited <ul style="list-style-type: none"> ▪ <i>What does it all mean?</i> ▪ <i>How do the results address questions from the wind companies and Golden Gate Audubon?</i> | | |
| 10:45 | Break | | |
| 11:00 | Workshop Reporting—Summary Report Outline | | |
| 12:00 | Lunch on Own | | |
| 1:00 | SRC Steps & Products to Close Out Three-Year Process | | P119 Request from Audubon, County and Settling Party Wind Companies to SRC 08-18-09 Adaptive Management Measures: This refers to settling parties proposing adaptive management measures if companies have not achieved a 50% reduction in avian mortality |
| 2:30 | Other Updates & Discussion Items that have Carried Over from Earlier in the Agenda | | |
| 3:30 | Break | | |
| 4:00 | October Meeting Items | | |

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| | <ul style="list-style-type: none">▪ Reclamation Bond, Land Restoration in Cases of Abandoned Land▪ Other? | | |
| 5:00 | Close | | |