



P213

ALAMEDA COUNTY COMMUNITY DEVELOPMENT AGENCY
PLANNING DEPARTMENT

Chris Bazar
Agency Director

Albert Lopez
Planning Director

224
West Winton Ave
Room 111

Hayward
California
94544

phone
510.670.5400
fax
510.785.8793

www.acgov.org/cda

Date: July 18, 2011

To: Altamont Pass Wind Resource Area Scientific Review Committee

From: Sandra Rivera

Subject: FloDesign/enXco Research Proposal

Recommendation: The Scientific Review Committee (SRC) hear the presentation on the research proposal, provide input regarding the efficacy of the proposed project, and provide direction to staff as to whether or not FloDesign/enXco should move forward in developing a study design for the SRC to review.

Discussion

FloDesign Wind Turbine, a developer of new wind turbine technology, approached enXco with their shrouded, mixer/ejector wind turbine design as a technology that could be avian-friendly with improved wind energy performance.

EnXco, a Settling Company, is subject to the permit conditions in Exhibit G-1 and the recently approved Adaptive Management Plan. The company is planning to repower the existing Patterson Pass Wind Farm and anticipates utilizing the common three blade, upwind, tubular tower. Still, EnXco would like to continue the efforts to reduce avian fatalities in the APWRA while they prepare to repower their Patterson Pass Wind Farm and is proposing a research project with FloDesign as a strategy to reduce bird deaths and injuries. Staff is forwarding their request for consideration and potential incorporation into the APWRA, upon the recommendation of the SRC, per Condition 11 Permit-Sponsored Research (Resolution No. R-2005-453).

For reference, EnXco originally constructed and installed 117 Kenetech 56/100 and 336 Nordank and Bonus wind turbines within the APWRA. From 2007 through 2009, a total of 81 wind turbines were removed. In the enXco V project area 53 remaining wind turbines will be removed between October 15 and December 20, 2011. EnXco will have a total of 319 turbines remaining in the Patterson Pass project area.

Next Steps

Should the SRC support the conceptual research proposal, FloDesign/enXco will develop a draft study design for review and approval by the SRC. If FloDesign/enXco requires additional input from the SRC during the development of the draft study design, staff will schedule conference calls with the SRC.