

## Stora, Christine@Energy

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**From:** Martin-Gallardo, Jennifer@Energy  
**Sent:** Friday, May 10, 2013 10:59 AM  
**To:** Ileene Anderson; Qian, Wenjun@Energy; Stora, Christine@Energy  
**Cc:** Leyva, Jacquelyn@Energy; Bemis, Gerry@Energy; Adams, Jim@Energy  
**Subject:** RE: Environmental justice question

California Energy Commission

**DOCKETED**  
**09-AFC-9C**

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MAY 13 2013

Good morning, Ileene –

I am forwarding to you Wenjun Qian's explanation to your follow up question.

Jen

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**From:** Qian, Wenjun@Energy  
**Sent:** Friday, May 10, 2013 10:36 AM  
**To:** Stora, Christine@Energy  
**Cc:** Leyva, Jacquelyn@Energy; Bemis, Gerry@Energy; Martin-Gallardo, Jennifer@Energy; Adams, Jim@Energy  
**Subject:** RE: Environmental justice question

Hi Christine,

Jacquelyn forwarded your email to me.

Air quality modeling does consider about wind speed and wind direction as well as a lot other parameters, such as air stability, surface parameters, emission source parameters and so on. Air pollution would disperse once it's released from the sources. The air quality impact at a certain location depends on all the parameters considered in the model including the distance between that location and the source.

In the air quality analysis, we always try to identify the maximum impacts of the project and compare them with the most stringent ambient air quality standards. The ambient air quality standards provide public health protection, including protecting the health of "sensitive" populations such as asthmatics, children, and the elderly. Staff always finds the maximum air quality impact occurs well within the 6-mile radius. The impact would be much less beyond the 6-mile radius. If the maximum project impact (which always occurs within 6-mile radius) is less than significant, there would be no environmental justice issue for air quality.

I hope the above answers Ileene's question.

Thanks.

Wenjun Qian, Ph.D., P.E.  
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**From:** Ileene Anderson  
**Sent:** Thursday, May 09, 2013 3:59 PM  
**To:** 'Martin-Gallardo, Jennifer@Energy'; [James.Adams@energy.ca.gov](mailto:James.Adams@energy.ca.gov)  
**Cc:** Stora, Christine@Energy; Lisa Belenky  
**Subject:** RE: Environmental justice question

Thanks for this explanation. Does the air quality modeling take in to consideration wind? Seems like based on wind direction some areas could have greater impacts than others even outside of the 6 mile range.

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**From:** Martin-Gallardo, Jennifer@Energy [<mailto:Jennifer.Martin-Gallardo@energy.ca.gov>]  
**Sent:** Thursday, May 09, 2013 3:07 PM  
**To:** Ileene Anderson; [James.Adams@energy.ca.gov](mailto:James.Adams@energy.ca.gov)  
**Cc:** Stora, Christine@Energy; Lisa Belenky  
**Subject:** RE: Environmental justice question

Hi Ileene,

I am forwarding Jim's response, as he had trouble replying directly to you:

Staff's demographic screening is designed to identify the presence of minority or below-poverty-level populations, or both, within a six-mile area of the proposed project site. The six-mile buffer is based on air quality modeling, which shows that project-related impacts from pollutants decrease to less than significant within six miles of the emission site. Staff uses the six-mile buffer to determine the area of potential project impacts and to obtain data to gain a better understanding of the demographic makeup of the communities potentially impacted by the project.

This explanation will be included in the PSA.

Sincerely,

Jen

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**From:** Ileene Anderson [<mailto:IAnderson@biologicaldiversity.org>]  
**Sent:** Tuesday, May 07, 2013 4:12 PM  
**To:** [James.Adams@energy.ca.gov](mailto:James.Adams@energy.ca.gov)  
**Cc:** Stora, Christine@Energy; Martin-Gallardo, Jennifer@Energy; Lisa Belenky  
**Subject:** Environmental justice question

Hello Jim,

I had a follow up question from the 4/30 Palen workshop regarding the analysis of the Environmental Justice issues associated with the Palen Project. You had said that no people are currently living w/in a 6 mile radius of the proposed Palen project (vs. 17 or so living within those boundaries in the 2000 census). Why a six mile radius?

While EJ issues are not my strength, I looked around to see if I could find some basis for 6 miles and was unsuccessful, so your help here is appreciated.

Thanks

Ileene

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