



Docket Number: 11-AFC-02

Date: 2/28/2013 Revised

Project Name: **Hidden Hills Solar Electric Generating System**

**COUNTY OF INYO
Exhibit List**

California Energy Commission
DOCKETED
11-AFC-02
TN # 69744
FEB. 28 2013

Exhibit	Docket Transaction Number ¹	Brief Description	Offered	Admitted	Refused
900	69405	Testimony of County of Inyo – General Comments			
901	69404	Testimony of County of Inyo – Socioeconomic			
902	69402	Testimony of County of Inyo – Land Use			
903	69401	Testimony of County of Inyo – Water Supply			
904	69474	Rebuttal Testimony – County of Inyo			
905	69404	<i>The Reliability of Energy Commission Forecasts of the Socioeconomic Impacts of the Proposed Hidden Hills SEGS</i> – Gruen, Gruen + Assoc.			
906	69404	Memorandum from Eric Myers, Esq re: Sales Tax dated February 1, 2013			
907	69404	Memorandum from Eric Myers, Esq. re:CAEATFA dated February 1, 2013			
908	69404	Agenda Request Form and Attachments for December 11, 2012 meeting of the Inyo County Board of Supervisors			
909	69404	Power Point Presentation by BrightSource Energy to the Inyo County Board of Supervisors on December 11, 2012			
910	69404	December 11, 2012 Letter to the Inyo County Board of Supervisors from Cindy MacDonald			
911	69404	December 10, 2012 email to Kevin Carunchio from Amy Noel re:December 11, 2012 Board of Supervisors Meeting			

¹ Prior filings docketed in this matter which were not assigned a Transaction Number will be referenced by the Docket Date.

912	69404	Presentation by Kelly Bradley, KEOL Resources International, to the Inyo County Board of Supervisors on December 11, 2012, including letters from Kelly Chac DeGuzman, Dr. Robert Fielden and Randy Dixon			
913	69404	Board Order of the Inyo County Board of Supervisors for the meeting dated December 11, 2012			
914	69404	Memorandum dated January 16, 2013 from the Inyo/Mono Agricultural Commissioner			
915	69404	Inyo County Health and Human Services Caseload and Staffing Thresholds			
916	69404	Memo from Inyo County Environmental Health Department			
917	69404	GIS Map – Solar Projects Progress – Hidden Hills SEGS and Inyo County			
918	69404	GIS Map – Solar Projects Progress – Projects Referenced in FSA			
919	69404	GIS Map – Solar Projects Progress – Topaz Solar Farm and California Valley Solar Ranch			
920	69404	Affidavit of Chris Carter, Chief of the Bishop Police Department			
921	69404	New Times Article <i>Shake up in the Valley</i> , by Colin Rigley			
922	69404	Introduction and Summary of the FY 2012-2013 Recommended Budget – Kevin Carunchio, County Administrator			
923	69401	January 16, 2013 Memorandum from Dr. Robert Harrington, Ph.D, R.G. re: Water Supply Comments			
924	69401	Memoranda to Mike Monasmith from Dr. Robert Harrington, Ph.D, R.G. re: Comments to the PSA Water Supply			
925	69474	Owner's Certificate – Offer of Dedication – Inyo County Official Records, Vol. 208, Page 863, Document 2322, Recorded July 1, 1974			
926	69474	Owner's Certificate – Offer of Dedication – Inyo County Official Records, Vol. 208, Page 875,			

		Document 2324, Recorded July 1, 1974			
927	69474	Parcel Map No. 86 Recorded July 2, 1975, Book PMI, Page 63 of the Map Records Inyo.			
928	69474	GIS Map of Project Site with Roads			
929	69474	Affidavit of Bob Bills			
930	69474	February 8, 2013 Memo from Dr. Robert Harrington, Ph.D, R.G., RE:Applicant's Rebuttal Testimony			
931	69402	Inyo County Draft Mitigated Negative Declaration GPA – December 2010			
932	63108	Inyo County Response to Notice of Preparation			
933	63772	Letter to BrightSource regarding Outstanding Land Use and Planning Issues			
934	63719	Inyo County Preliminary Cost Impacts			
935	63869	Inyo County Letter RE: Reclamation Plan			
936	64136	Letter to BrightSource from Inyo County Response to Land Use Issues			
937	64221	Inyo County Letter RE:Aesthetics and Visual Impacts			
938	64593	Inyo County Letter RE Power Purchase Agreement and Project Land Lease			
939	65181	Inyo County Public Works Letter RE Access and Circulation Issues			
940	65282	Transcript from March 13, 2012 Meeting of the Inyo County Board of Supervisors			
941	65923	County of Inyo Response - PSA Extension of Comment Period			
942	66310	Inyo County PSA Comments			
943	67222	Inyo County Counsel Letter to Dick Ratliff and Mike Monasmith re: Applicant Motion in Limine			
944	67478	Email from Dana Crom re:Updated Workforce Analysis			
945	67958	Sheriff Lutze Letter re:Updated Workforce Housing			
946	64131	Letter from BLM to Mike Monasmith			
947	63478	Mitigation for the Hydrological Impacts of HHSEGS from the County of Inyo			

Robert F. Harrington
Curriculum Vitae

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Employment

County of Inyo Water Department, 2007-present
Water Director – Responsible for directing the Inyo County Water Department, which is charged with implementation of Inyo County's water policies. These policies stem primarily from the County's interactions with the City of Los Angeles's water export activities in Inyo County, and from the County's regulation of groundwater transfers. The Water Department's activities include monitoring hydrologic conditions, monitoring vegetation conditions potentially affected by water management activities, assessing potential effects of proposed groundwater pumping, developing and implementing mitigation measures for adverse impacts due to groundwater pumping, monitoring mitigation activities, integrated regional water management planning, invasive species control, advising decision makers regarding water issues, and informing and educating the public regarding County water issues.

County of Inyo Water Department, 1997-2007
Hydrologist – Responsible for collecting, analyzing, and reporting on hydrologic conditions related to Inyo County water policies. Duties included hydrologic data collection and interpretation; groundwater model development, review, and application; monitoring network design; development of monitoring and mitigation plans aimed at mitigating impacts of groundwater pumping; and multidisciplinary teamwork to assess effects of hydrologic changes on biological resources.

University of Arizona, 1991-1997
Department of Hydrology and Water Resources, Research Assistant.

Desert Research Institute, 1989-1991
Water Resources Center, Research Assistant.

Education

University of Arizona
PhD in hydrology with minor in remote sensing, 1997. Dissertation title: The release of melt-water and ionic solute from melting snow.

University of Nevada-Reno

MSc in hydrology/hydrogeology, 1991. Thesis title: The amount and fate of acid deposition in the Sierra Nevada, California.

University of Nevada-Reno
BS in geophysics with minor in mathematics, 1988.

Professional Registrations

California Registered Geologist #8285

Professional Affiliations

American Geophysical Union
American Water Resources Association
Geological Society of America
Groundwater Resources Association of California
National Ground Water Association

Peer-reviewed Publications

Steinwand, A.L., R.F. Harrington, and D. Or, Water balance for Great Basin phreatophytes derived from eddy covariance, soil water and water table measurements, *Journal of Hydrology*, 329(3-4), 595-605, 2006.

Steinwand, A.L., R.F. Harrington, and D. Or, Comment on "The inappropriate use of crop transpiration coefficients (K_c) to estimate evapotranspiration in arid ecosystems: A review" by Mata-González et al. Vol. 19: 285–295. (2005)," *Arid Land Research and Management*, 20(2), 177-179, 2006.

Steinwand A.L., R.F. Harrington, and D.P. Groeneveld, Transpiration coefficients for three Great Basin shrubs, *Journal of Arid Environments*, 49(3), 555-567, 2001.

Harrington, R.F., R. C. Bales, Modeling ionic solute transport in melting snow, *Water Resources Research*, 34(7), 1727-1736, 1998.

Harrington, R., R. C. Bales, Interannual, seasonal, and spatial patterns of meltwater and solute fluxes in a seasonal snowpack, *Water Resources Research*, 34(4), 823-832, 1998.

Harrington, R.F., R.C. Bales, and P. Wagnon, Variability of melt-water and solute fluxes from homogeneous melting snow at the laboratory scale, *Hydrological Processes*, 10, 945-953, 1996.

Bales, R.C., and R.F. Harrington, Recent progress in snow hydrology, *Reviews of Geophysics, Supplement*, U.S. National Report to the IUGG, 1011-1020, 1995.

Harrington, R.F., K. Elder, and R.C. Bales, Distributed snow melt modeling using a clustering algorithm, *in* IAHS Pub. 228, Biogeochemistry of Seasonally Snow Covered Catchments, 1995.

Harrington, R.F., A.W. Gertler, D. Grosjean, and P. Amar, Formic acid and acetic acid in the Western Sierra Nevada, California, Atmospheric Environment, 27A(12), 1843-1849, 1993.

Conference Presentations and Published Abstracts

Harrington, R.F., Groundwater management in Owens Valley, Devils Hole Workshop, Furnace Creek, Death Valley National Park, May 2012. (*Oral presentation*)

Harrington, R.F., Challenges of monitoring and mitigating adverse impacts of groundwater pumping, Great Basin Water Forum, Sparks Nevada, October 2010. (*Invited oral presentation*)

Harrington, R.F., Groundwater management in the Owens Valley under the Inyo/Los Angeles Long-Term Water Agreement, Sierra Nevada Alliance 15th Annual Conference, September 2008. (*Invited oral presentation*)

Harrington, R.F., A.L. Steinwand, and D. Or, Vadose zone water balance for Great Basin phreatophytes, Fall 2005 Meeting of the American Geophysical Union, San Francisco, California, December 2005. (*Invited oral presentation*)

Harrington and Steinwand, Evapotranspiration from groundwater dependent plant communities, Owens Valley, California, 2004 Evapotranspiration Symposium, Nevada Water Resources Association, November 15, 2004, Las Vegas, Nevada. (*Invited oral presentation*)

Harrington, R.F., Hydrology and water extraction from Owens Valley, in Impacts of Climate Change on Landscapes of the Eastern Sierra Nevada and Western Great Basin, USGS Open File Report 01-202, 2001. (*Invited oral presentation, published abstract*)

Harrington, R.F. and A. Steinwand, Regional groundwater discharge estimated using micrometeorological measurements, plot-scale measurements of vegetation cover, and remotely-sensed vegetation cover, Fall 2002 Meeting of the American Geophysical Union, San Francisco, California, December 2002. (*Poster presentation*)

Harrington, R.F., Regression modeling of water table fluctuations for management of groundwater pumping in phreatophytic vegetation, Fall 1999 Meeting of the American Geophysical Union, San Francisco, California, December 1999. (*Poster presentation*)

Manning, S. and R.F. Harrington, Effects of water table fluctuations on phreatophytic plant communities in the Owens Valley, California, Fall 1999 Meeting of the American Geophysical Union, San Francisco, California, Fall 1999. (*Oral presentation*)

Colee, M., R. Harrington, T. Painter, and J. Dozier, A high-resolution distributed snowmelt model in an alpine catchment, *in* International Conference on Snow Hydrology: The Integration of Physical, Chemical, and Biological Systems, J. Hardy, M. Albert, and P. Marsh, eds., p. 93 USACE Cold Regions Research and Engineering Laboratory Special Report 98-10, 1998. *(Published abstract)*

Harrington, R.F., R. Jordan, and D. Tarboton, A comparison between two physically based snow models, Fall Meeting of the American Geophysical Union, San Francisco, California, 1995. *(Oral presentation)*

Kattelman, R., and R.F. Harrington, Daily melt waves through an alpine snowpack, Fall Meeting of the American Geophysical Union, San Francisco, 1995. *(Poster presentation)*

Harrington, R.F., and R.C. Bales, Spatial variability of snowmelt and ion release from a seasonal snowpack, Mammoth Lakes, California, Fall Meeting of the American Geophysical Union, 1993. *(Poster presentation)*

Harrington, R.F., R. Galarraga-Sanchez, and R.C. Bales, Predicting the release of ionic solute from alpine snowpacks using coupled snowmelt and digital elevation models, 23rd Annual Meeting of the American Water Resources Assoc., Reno, Nevada, 1992. *(Oral presentation)*

Harrington, R.F., and R.C. Bales, Laboratory experiments as a model for field-scale variability in water and solute release from melting snow, Fall Meeting of the American Geophysical Union, 1992. *(Poster presentation)*

Harrington, R.F., A.W. Gertler, and P. Amar, Network operations and preliminary monitoring results for the receptor modeling of acidic air pollutants to forested regions of the Sierra Nevada study, 84th Annual Meeting and Exhibition of the Air and Waste Management Assoc., Vancouver, British Columbia, Canada, 1991. *(Oral presentation)*

Harrington, R.F., and A.W. Gertler, Modeling the fate of atmospheric dry deposition in Sierra Nevada soils, 84th Annual Meeting and Exhibition of the Air and Waste Management Assoc., Vancouver, British Columbia, Canada, 1991. *(Oral presentation)*



**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
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***APPLICATION FOR CERTIFICATION FOR THE
HIDDEN HILLS SOLAR ELECTRIC
GENERATING SYSTEM***

Docket No. 11-AFC-02

**PROOF OF SERVICE
(Revised 2/21/13)**

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*After docketing, the Docket
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KAREN DOUGLAS
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Member

DAVID HOCHSCHILD
Commissioner and Associate
Member

Ken Celli
Hearing Adviser

Galen Lemei
Adviser to Presiding Member

Jennifer Nelson
Adviser to Presiding Member

TBD
Adviser to Associate Member

Eileen Allen
Commissioners' Technical
Adviser for Facility Siting

DECLARATION OF SERVICE

I, Debra J. Gonzalez, declare that on February 28, 2013, I served and filed copies of the attached revised Exhibit List for the County of Inyo and the CV for Dr. Robert Harrington, PhD., R.G., Inyo County Water Director dated February 28, 2013. This document is accompanied by the most recent Proof of Service, which I copied from the web page for this project at: <http://www.energy.ca.gov/sitingcases/hiddenhills/>.

The document has been sent to the other persons on the Service List above in the following manner:

(Check one)

For service to all other parties and filing with the Docket Unit at the Energy Commission:

 x I e-mailed the document to all e-mail addresses on the Service List above and personally delivered it or deposited it in the US mail with first class postage to those parties noted above as "hard copy required"; **OR**

____ Instead of e-mailing the document, I personally delivered it or deposited it in the US mail with first class postage to all of the persons on the Service List for whom a mailing address is given.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am over the age of 18 years.

Dated: February 28, 2013

/s/
Debra J. Gonzalez