

BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION OF THE STATE OF CALIFORNIA 1516 NINTH STREET, SACRAMENTO, CA 95814 1-800-822-6228 – WWW.ENERGY.CA.GOV

APPLICATION FOR CERTIFICATION FOR THE IVANPAH SOLAR ELECTRIC GENERATING SYSTEM

DOCKET NO. 07-AFC-5

FINAL EXHIBIT LIST

DOCKET 07-AFC-5 DATE_ RECD[OCT 1 1 2000]

APPLICANT'S EXHIBITS

- **EXHIBIT 1** Application for Certification, Volume I and II; dated 8/28/2007, docketed on 8/31/2007. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- EXHIBIT 2 Data Adequacy Supplement A; dated 10/5/2007, docketed on 10/5/2007. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 3** Data Adequacy Supplement B; dated 10/19/2007, docketed on 10/19/2007. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- EXHIBIT 4 Data Response, Set 1A; dated 1/14/2008, docketed on 1/14/2008. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- **EXHIBIT 5** Data Response, Set 1B; dated 2/11/2008, docketed on 2/11/2008. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- EXHIBIT 6 Data Response, Set 1C; dated 3/10/2008, docketed 3/10/2008. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 7** Data Response, Set 1D (Optimization); dated 5/9/2008, docketed 5/9/2008. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- EXHIBIT 8 Data Response, Set 1E; dated 7/22/2008, docketed 7/22/2008. Sponsored by Applicant, and admitted into evidence on 1/13/2010.

EXHIBIT 9 Data Response, Set 1F; dated 8/6/2008, docketed 8/7/2008. Sponsored by Applicant, and admitted into evidence on 1/14/2010. **EXHIBIT 10** Data Response, Set 1G; dated 9/10/2008, docketed 9/10/2008. Sponsored by Applicant, and admitted into evidence on 1/14/2010. **EXHIBIT 11** Data Response, Set 1H; dated 9/12/2008, docketed 9/15/2008. Sponsored by Applicant, and admitted into evidence on 1/14/2010. Data Response. Set 11: dated 10/24/2008, docketed 9/1/2009. EXHIBIT 12 Sponsored by Applicant, and admitted into evidence on 1/14/2010. Data Response, Set 1J; dated 12/8/2008, docketed 12/8/2008. **EXHIBIT 13** Sponsored by Applicant, and admitted into evidence on 1/13/2010. **EXHIBIT 14** Data Response, Set 1K; dated 5/27/2009, docketed 5/27/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010. Data Response, Set 1L; dated 6/2/2009, docketed 6/2/2009. **EXHIBIT 15** Sponsored by Applicant, and admitted into evidence on 1/14/2010. **EXHIBIT 16** Data Response, Set 1M; dated 6/3/2009, docketed 6/3/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010. Data Response, Set 1N; dated 8/5/2009, docketed 8/6/2009. **EXHIBIT 17** Sponsored by Applicant, and admitted into evidence on 1/13/2010. **EXHIBIT 18** Data Response, Set 10; dated 8/13/2009, docketed 8/13/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010. Data Response, Set 1P; dated 9/9/2009, docketed 9/9/2009. **EXHIBIT 19** Sponsored by Applicant, and admitted into evidence on 1/13/2010. **EXHIBIT 20** Data Response 2A, dated 6/10/2008, docketed 6/10/2008. Sponsored by Applicant, and admitted into evidence on 1/11/2010. **EXHIBIT 21** Data Response, Set 2B; dated 7/22/2008, docketed 7/22/2008. Sponsored by Applicant, and admitted into evidence on 1/11/2010. **EXHIBIT 22** Data Response, Set 2C; dated 8/6/2008, docketed 8/6/2008. Sponsored by Applicant, and admitted into evidence on 1/13/2010. **EXHIBIT 23** Data Response, Set 2D; dated 9/12/2008, docketed 9/15/2008.

Sponsored by Applicant, and admitted into evidence on 1/14/2010.

- EXHIBIT 24 Data Response 2E; dated 9/19/2008, docketed 9/19/2008. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- EXHIBIT 25 Data Response, Set 2F; dated 10/2/2008; docketed 10/3/2008. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 26** Data Response, Set 2G; dated 1/28/2009, docketed 1/28/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 27** Data Response, Set 2H; dated 5/13/2009, docketed 5/14/2009. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 28** Data Response, Set 2I; dated 5/18/2009, docketed 5/18/2009. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- EXHIBIT 29 Data Response, Set 2J; dated 6/17/2009; docketed 6/17/2009. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- **EXHIBIT 30** Data Response, Set 2K; dated 6/30/2009, docketed 6/30/2009. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- EXHIBIT 31 Data Response, Set 2KR; dated 9/10/2009, docketed 9/10/2009. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- **EXHIBIT 32** Supplemental Data Response, Set 1A; dated 8/12/2008, docketed on 8/12/2008. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 33** Supplemental Data Response; Set 1B; dated 8/22/2008, docketed 8/22/2008. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 34** Supplemental Data Response; Set 1C; dated 9/12/2008, docketed 9/12/2008. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 35** Supplemental Data Response; Set 1D, dated 9/24/2008, docketed 9/24/2008. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 36** Supplemental Data Response, Set 1E; dated 11/21/2008, docketed 11/21/2008. Sponsored by Applicant, and admitted into evidence on 1/14/2010.

- **EXHIBIT 37** Supplemental Data Response, Set 1F; dated 12/8/2008, docketed 12/8/2008. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 38** Supplemental Data Response, Set 2A; dated 3/19/2009, docketed 3/20/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 39** Supplemental Data Response, Set 2B; dated 5/13/2009, docketed 5/14/2009. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 40** Supplemental Data Response, Set 2C; dated 5/19/2009, docketed 5/19/2009. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 41** Supplemental Data Response, Set 2D; dated 5/19/2009docketed 5/27/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 42** Supplemental Data Response, Set 2E; dated 6/3/2009, docketed 6/3/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 43** Supplemental Data Response, Set 2F; dated 6/5/2009, docketed 6/5/2009. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 44** Supplemental Data Response, Set 2G; dated 6/9/2009, docketed 6/9/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 45** Supplemental Data Response, Set 2H; dated 6/9/2009, docketed 6/9/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 46** Supplemental Data Response, Set 2I; dated 8/10/2009, docketed 8/10/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 47** Supplemental Data Response, Set 2J; dated 8/12/2009, docketed 8/12/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.

- **EXHIBIT 48** Supplemental Data Response, Set 3A; dated 7/23/2009, docketed 7/23/209. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 49** Supplemental Data Response, Set 4; dated 8/20/2009, docketed 8/20/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 50** Air Dispersion Modeling Protocol; dated 6/18/2007, Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- EXHIBIT 51 Cumulative Impacts Analysis; dated 8/20/2007, Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- EXHIBIT 52 Letter dated August 23, 2007 from Mojave Desert Air Quality Management District (Alan De Salvio) to Sierra Research (Steve Hill) describing stationary sources within 6 miles of the Project, dated 8/23/2007, Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 53** Application for Authority to Construct; dated 9/18/2007, Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- EXHIBIT 54 DPT 2 System Impact Study Report (CONFIDENTIAL-DOC NOT INCLUDED IN FILES); dated 8/28/2008, docketed 9/29/2008. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 55** Comments on PDOC for Ivanpah SEGS Project; dated 11/3/2008, Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 56** Final Decision / Determination of Compliance; dated 12/3/2008, docketed 12/5/2008. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 57** PSA Comments, Set 1; dated 1/23/2009, docketed 1/23/2009. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- EXHIBIT 58 Preliminary Decision / Determination Ivanpah Solar Electric Generating System; dated 2/15/2008, docketed 2/25/2008. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 59** Revisions to the FDOC for Ivanpah SEGS Project; dated 3/31/2009, Sponsored by Applicant, and admitted into evidence on 1/13/2010.

- **EXHIBIT 60** MDAQMD's FDOC for ISEGS; dated 4/9/2009, docketed 4/20/2009. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 61** Revisions to the FDOC for Ivanpah SEGS Project; dated 6/24/2009, Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- **EXHIBIT 62** Ivanpah Final Determination Rev B; dated 7/15/2009, docketed 7/27/2009. Sponsored by Applicant, and admitted into evidence on 1/13/2010.
- EXHIBIT 63 Letter to John Kessler from the Applicant regarding Applicant's Biological Resources Mitigation; dated 8/7/2009, docketed 8/10/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 64** Duration of ISEGS Grading; dated 8/12/2009, docketed 8/18/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 65** Applicant's Testimony, dated 11/16/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- Interconnection System Impact Study-Final Report (CONFIDENTIAL-DOC NOT INCLUDED IN FILES); dated 11/24/2008. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- Exhibit 67 Errata to Applicant's Visual Resource Testimony; dated 12/9/2009, docketed 12/9/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- EXHIBIT 68 Draft EIS for the proposed DesertXpress High-Speed Passenger Train, Chapter 3.16 Cumulative Impacts; March 2009. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- **EXHIBIT 69** 11 x 17 Viewshed Map; dated 12/9/2009, docketed 12/9/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- Pre-Workshop Comments of GreenVolts, Cleantech America, and Community Environmental Council on the 2008 Market Price Referent; March 6, 2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 71** Re-DEC Working Group Meeting. Potential Challenges to High Penetration of Distributed Renewable Generation; December 9, 2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.

- EXHIBIT 72 California Public Utilities Commission. 2008. Annual Report. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- Exhibit 73 Email communication with Susan Sanders Regarding Desert Tortoise Translocation; dated 8/18/2009, docketed 8/24/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 74** (NERC). 2009. Special Report: Accommodating High Levels of Variable Generation; April 2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- Pacific Gas and Electric Company's Comments on the Energy Division's 33% RPS Implementation Analysis Preliminary Results; Dated 8/28/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- EXHIBIT 76 SDG&E Response to Questions on 33% RPS Implementation Analysis Preliminary Results Report. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- Schlesinger, W.H., J. Belnap, and G. Marion. 2009. On carbon sequestration in desert ecosystems; dated 2009 *The Authors Journal compilation* © 2009 Blackwell Publishing Ltd. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- EXHIBIT 78 Southern California Edison Company's (U 338-E) Comments on, and responses to technical questions regarding, The Energy Division's 33% Renewables Portfolio Standard Implementation Analysis Preliminary Results. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 79** (DOE) 2009. High Penetration Solar Deployment Projects; dated 12/24/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 80** Tracking the Sun II: The Installed Cost of Photovoltaics in the U.S. from 1998-2008"; dated October 2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 81** Draft Ivanpah SEGS Special-Status Plant Avoidance and Protection Plan; dated January 2010. Sponsored by Applicant, and admitted into evidence on 1/14/2010.

- **EXHIBIT 82** "The golden eagle in San Diego County, California." Condor 39:49-56. As cited in Digital-Desert.com. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 83** Water Developments and Desert Bighorn Sheep: Implications for Conservation dated 12/30/2009. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- Mona Daniels/Outdoor Recreation Planner with BLM Needles Field Office. 2010. Personal communication with Thomas Priestley/CH2M HILL; dated January 4, 2010. Sponsored by Applicant, and admitted into evidence on 1/11/2010.
- Applicant's Rebuttal Testimony; dated January 5, 2010, docketed January 5, 2010. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 86** Corrections to testimony. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- EXHIBIT 87 Cover letter dated January 29, 2010, explanatory narrative and map showing Scott Cashen survey transects. Sponsored by Applicant, and admitted into evidence on 1/14/2010.
- **EXHIBIT 88** Biological Mitigation Proposal ("Mitigated Ivanpah 3") dated February 11, 2010. Sponsored by Applicant, and admitted into evidence on 3/22/2010.
- **EXHIBIT 89** Map: Sierra Club Alternative and Cashen Transects. Sponsored by Applicant, and admitted into evidence on 3/22/2010.
- **Exhibit 90** Final Determination of Compliance, Revision C, dated 4/13/2010. Sponsored by Applicant, and admitted into evidence on 8/24/2010.
- Exhibit 91 Memorandum from Amy Hiss to John Carrier dated August 11, 2010 (Revised on August 24, 2010) regarding misidentification of floral species. Sponsored by Applicant, and admitted into evidence on 8/24/2010.

ENERGY COMMISSION STAFF'S EXHIBITS

EXHIBIT 300 Final Staff Assessment for the Ivanpah Power Plant Project, dated October 8, 2009. Sponsored by Staff; and received into evidence on 1/11/2010.

- EXHIBIT 301 Staff's description of its visual resources photos Ivanpah Solar Electric Generating System (07-AFC-5), dated December 14, 2009, docketed December 15, 2009. Sponsored by Staff; and received into evidence on 1/14/2010.
- Staff's response to the Applicant's FSA/DEIS comments Ivanpah Solar Electric Generating System (07-AFC-5), dated December 14, 2009, docketed December 15, 2009. Sponsored by Staff; and received into evidence on 1/13/2010.
- **EXHIBIT 303** Staff's Proposed Revisions to Conditions of Certification and Limited FSA/DEIS Text Edits to Soil & Water, dated January 4, 2009. Sponsored by Staff; and received into evidence on 1/13/2010.
- Staff's Supplemental Testimony Cumulative Analysis of SCE Transmission Upgrades, dated January 4, 2010, docketed January 4, 2010. Sponsored by Staff; and received into evidence on 1/11/2010.
- **EXHIBIT 305** Staff's Rebuttal Testimony, dated January 4, 2010, docketed January 5, 2010. Sponsored by Staff and received into evidence on 1/13/2010.
- EXHIBIT 305a California Department of Fish and Game Incidental Take Permit #2081-2005-046-04 Los Angeles Department of Water and Power Pine Tree Wind Development Project, dated 2006, Sponsored by Staff; and received into evidence on 1/14/2010.
- EXHIBIT 305b California Department of Fish and Game Incidental Take Permit #2081-2008-015-06 California State Lands Commission AT&T Fiber Optic Cable Replacement Project, dated 2008, Sponsored by Staff; and received into evidence on 1/14/2010.
- EXHIBIT 305c California Department of Fish and Game Incidental Take Permit #2081-2005-028-06 Copper Mountain Community College District Copper Mountain Community College Expansion Site, dated 2006,. Sponsored by Staff; and received into evidence on 1/14/2010.
- EXHIBIT 305d California Department of Fish and Game Incidental Take Permit #2081-2009-018-06 Coso Operating Company LLC; Coso Hay Ranch Water Extraction and Delivery System, dated 2009, Sponsored by Staff; and received into evidence on 1/14/2010.
- EXHIBIT 305e California Department of Fish and Game Incidental Take Permit #2081-2005-015-04 U.S. Borax, Inc. Life of Mine Project, dated 2005, Sponsored by Staff; and received into evidence on 1/14/2010.

- EXHIBIT 305f Memo from USFWS Regional Director H. Dale Hall to Regional Directors, Region 1,2,3,4,5,6, and 7 Manger, California/Nevada Operations Office, re: Recovery Units and Jeopardy Determinations under Section 7 of the Endangered Species Act, dated 3/6/06,. Sponsored by Staff; and received into evidence on 1/14/2010.
- **EXHIBIT 306** Declarations of James Jewell and Scott Flint, dated December 14, 2009, docketed December 15, 2009. Sponsored by Staff; and received into evidence on 1/13/2010.
- **EXHIBIT 307** Final Determination of Compliance from Mojave Desert Air Quality Management District, dated January 5, 2009, docketed January 5, 2010. Sponsored by Staff; and received into evidence on 1/13/2010.
- **EXHIBIT 308** Revision to Cumulative Impacts Figure 1 as Referenced by Visual Resources Staff, dated January 5, 2010, docketed January 5, 2010. Sponsored by Staff; and received into evidence on 1/11/2010.
- Exhibit 309 Energy Commission Staff's Preliminary Staff Assessment, dated December 14, 2009, docketed December 15, 2009. Sponsored by Staff; and received into evidence on 1/14/2010.
- EXHIBIT 310 CDFG's Draft Desert Tortoise Mitigation Options, dated January 12, 2010, docketed January 12, 2010. Sponsored by Staff; and received into evidence on 1/14/2010.
- EXHIBIT 311 BLM's Biological Assessment, dated January 12, 2010, docketed January 12, 20010. Sponsored by Staff; and received into evidence on 1/14/2010.
- EXHIBIT 312 Staff's Proposed Revisions to Conditions of Certification—Soil & Water and Traffic & Transportation, dated January 12, 2010, docketed January 13, 2010. Sponsored by Staff; and received into evidence on 1/13/2010.
- EXHIBIT 313 List of Potential Mitigation parcels (supplied by Scott Flint CDFG). Sponsored by Staff, DUPLICATIVE OF EXHIBIT 310, NOT RECEIVED INTO EVIDENCE.
- E-mail from Bruce Pavlik dated January 10, 2010, docketed January 11, 2010. Sponsored by Staff, and received AS PUBLIC COMMENT on 1/13/2010.

EXHIBIT 315 Final Staff Assessment Addendum, dated March 2010, docketed 03/16/2010. Sponsored by Staff; and received into evidence on 3/22/2010.

EXHIBIT 316 Energy Commission Staff's Transmittal of Updated Renewable Energy Action Team Agency Guidance For Mitigation Cost Estimates and Desert Tortoise Translocation - Ivanpah Solar Electric Generating System (07-AFC-5) dated July 30, 2010, docketed July 30, 2010. Sponsored by Staff, and received into evidence on 8/24/2010.

Exhibit 317 Energy Commission Staff's Compilation of Edits to Recommended Conditions of Certification - Ivanpah Solar Electric Generating System (07-AFC-5) dated March 29, 2010, docketed March 29, 2010. Sponsored by Staff, and received into evidence on 8/24/2010.

INTERVENOR CURE EXHIBITS

[NONE]

INTERVENOR WESTERN WATERSHEDS PROJECT EXHIBITS

EXHIBIT 500 Letter submitted March 4, 2009 by Western Watersheds Project to John Kessler, Project Manager, Siting, Transmission and environmental Protection Division. California Energy Commission Re: Ivanpah Solar Electric Generating System (ISEGS) (07-AFC-5) Preliminary Staff Assessment; dated March 4, 2009. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.

EXHIBIT 501 Letter submitted May 13, 2009 by Western Watersheds Project RE: Draft Desert Tortoise Translocation Relocation Plan for the Ivanpah Solar Electric Generating System March 2009; dated March 13, 2009. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.

EXHIBIT 502 Berry, K. H., Morafka, D. J. and Murphy, R. W. 2002. Defining the desert tortoise(s): our first priority fora coherent conservation strategy. Chelonian Conservation and Biology 4: 249-262; dated 2002. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.

- U.S. Fish and Wildlife Service. 1994. Figure 9 from: Desert Tortoise (Mojave Population) Recovery Plan. U.S. Fish and Wildlife Service, Portland, Oregon. 73 pages plus appendices (undated). Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- U.S. Fish and Wildlife Service. 2009. Range-wide Monitoring of the Mojave Population of the Desert Tortoise: 2007 Annual Report. Report by the Desert Tortoise Recovery Office, U.S. Fish and Wildlife Service, Reno, Nevada; dated October 2009. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- EXHIBIT 505 Lamb, T. 1986. Genetic variation in mitochondrial DNA of the Desert Tortoise, Gopherus agassizii, in California. Prace. Desert Tortoise Council Symp. 1986: 45-52; dated copyright 1990 (undated). Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- EXHIBIT 506 Lamb, *T.,* Avise, J. C. and Gibbons, J. W. 1989. Phylogeographic patterns in mitochondrial DNA of the desert tortoi se (Xerobates agassizii), and evolutionary relationships among the North American gopher tortoises. Evolution. 43(1): 76-87; dated 1989. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- Murphy, R. W., Berry, K. H., Edwards, T. and Mcluckie, A. M. 2007. A; Genetic Assessment of the Recovery Units for the Mojave Population of the Desert Tortoise, *Gopherus agassizii*. Chelonian Conservation and Biology 6(2): 229- 25 1; dated 2007. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- EXHIBIT 508 CNDDB 2009. Report for Desert Tortoise Occurrence 2. California Natural Diversity Database, California Department of Fish and Game; December 15, 2009. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- CNDDB 2009a. Map showing the polygon for Desert Tortoise Occurrence 2. California Natural Diversity Database, California Department of Fish and Game overlaid on a topographic base-map; Dated CND DB 2009. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.

- EXHIBIT 510 Britten, H. B., Riddle, B. R., Brossard, P. F., Marlow, R. and Lee, Jr., T. E. 1997. Genetic delineation of management units for the desert tortoise, Gopherus agassizii, in the northeastern Mojave Desert. Copeia 1997: 523-530; dated 1997. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- EXHIBIT 511

 Berry et al., 1984. Plate 6- 13 "Desert Tortoise Crucial Habitat in California Ivanpah Valley" from Berry, K. H. (1984). The Status of the Desert Tortoise (Gopherus agassizii) in the United States. US Fish and Wildlife Services on Purchase Order No. I 1210-0083-81, Page 6-30 (undated). Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- EXHIBIT 512 Spang, E.F., Lamb, G. W., Rowley, F., Radtkey, W. H., Olendorff, R. R., Dahlem, E. A. and Sloane, S. 1988. Desert Tortoise Habitat Management on the Public Lands: A Rangewide Plan. USDI Bureau of Land Management, November 1988, 23 pp. dated November 1988. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- EXHIBIT 513 Oftedal, O. T. and Allen, M. E. 1996. Nutrition as a Major Facet of Reptile Conservation. Zoo Biology 15: 491 497; dated 1996. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- EXHIBIT 514 Letter submitted December 18, 2009 by the Desert Tortoise Council to John Kessler, Project Manager, California Energy Commisssion, Re: Ivanpah Solar Electric Generating System (07-AFC-5). 4 pp.; dated 12/18/2009, Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- Jennings, B.J. 1997. Habitat Use and Food Preferences of the Desert Tortoise, *Gopherus agassizii*, in the Western Mojave Dersert and Impacts of Off-Road Vehicles. Projceedings: Conservation, Restoration, and Management of Tortoises and turtles-An International Conference, pp. 42-45. New York Turtle and Tortoise Society; dated 1997. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- **EXHIBIT 516** Rebuttal Testimony Of Intervenor Western Watersheds Project; dated January 5, 2010, docketed January 5, 2010. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.

- EXHIBIT 517 Intervenor Western Watersheds Project Opening Testimony for Topics to be Heard in January 2010, Exhibit List, and Proof of Service, dated December 18, 2009. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- **Exhibit 518** Figures 1, 2, and 5 from the draft revised tortoise recovery plan dated January 22, 2010, docketed January 25, 2010. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 1/14/2010.
- Exhibit 519 Additional Testimony of Michael J. Connor Regarding Impacts to Desert Tortoise, dated March 16, 2010. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 3/22/2010.
- **Exhibit 520** Not assigned.
- Exhibit 521 Additional Testimony of Michael J. Connor Regarding
 Desert Tortoise Relocation, dated August 20, 2010. Sponsored by
 Intervenor Western Watersheds Project, and admitted into evidence
 on 8/24/2010.
- Exhibit 522 Letter from Michael Connor to George Meckfessel, BLM dated February 11, 2010. Duplicate of a portion of Exhibit 523, below, not admitted into evidence
- Exhibit 523 Letter from Michael Connor to George Meckfessel, BLM dated May 31, 2010. Sponsored by Intervenor Western Watersheds Project, and admitted into evidence on 8/24/2010.

INTERVENOR SIERRA CLUB EXHIBITS

- Sierra Club's June 2009 Letter proposing an alternative to the ISEGS site configuration; dated 6/22/09, docketed 6/22/09. Sponsored by Intervenor Sierra Club, and admitted into evidence on 1/14/2010.
- EXHIBIT 601 Nussear KE, TC Esque, RD Inman, LL Gass, KA Thomas, CSA Wallace, JB Blainey, DM Miller, RH Webb.2009. Modeling habitat of the desert tortoise (*Gopherus agassizii*) in the Mojave and parts of the Sonoran Deserts of California, Nevada, Utah, and Arizona: U.S. Geological Survey Open-File Report 2009-1102, dated 2009. Sponsored by Intervenor Sierra Club, and admitted into evidence on 1/14/2010.

- Collis S, HW Avery. 200. Proximate Constraints affecting the reproductive output and mortality of desert tortoises [abstract]. Proceedings of the Desert Tortoise Council 2000 Symposium. dated 2009. Sponsored by Intervenor Sierra Club, and admitted into evidence on 1/14/2010.
- **EXHIBIT 603** Curriculum Vitae for Jim Cornett (undated). Sponsored by Intervenor Sierra Club, and admitted into evidence on 1/14/2010.
- EXHIBIT 604 Cashen, Scott. Map of areas in the Project and I-1 alternative sites surveyed for desert tortoise burrows (undated). Sponsored by Intervenor Sierra Club, and admitted into evidence on 1/14/2010.
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 Conservation Division to John Kessler, Program Manager Siting,
 Transmission & Environmental Protection Division, California
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- EXHIBIT 610 Thomas KA, T Keeler-Wolf, J Franklin, P Stine. 2004 Mojave Desert Ecosystem Program: Central Mojave Vegetation Mapping Database. Western Regional Center, U.S. Geological Survey. Technical Report; dated 2004. Sponsored by Intervenor Sierra Club, and admitted into evidence on 1/14/2010.
- **EXHIBIT 611** Testimony of Scott Cashen dated December 18, 2009. Sponsored by Intervenor Sierra Club, and admitted into evidence on 1/14/2010.
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- Exhibit 613 Gowan T, KH Berry. 2009. Progress Report for 2009: The Health Status of Translocated Desert Tortoises (*Gopherus agassizii*) in the Fort Irwin Translocation Area and Surrounding Release Plots, San Bernardino County, California: Year 2. U.S Geological Survey, Western Ecological Resource Center. Duplicate exhibit, not admitted.
- Exhibit 614 KH Berry et al. 2009. Progress Report for 2009: An Evaluation of Desert Tortoises (*Gopherus agassizii*) and Their Habitats at 47 Sample Plots in the Western Expansion Translocation Area, Fort Irwin Translocation Project, San Bernardino County, California. U.S. Geological Survey, Western Ecological Resource Center. Sponsored by Intervenor Sierra Club, and admitted into evidence on 8/24/2010.
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- Exhibit 616 Dodd CK Jr., RA Seigel. 1991. Relocation, Repatriation, and Translocation of Amphibians and Reptiles: Are they Conservation Strategies that Work? Point of View: A Controversy in Conservation Biology. pp. 336-350. Sponsored by Intervenor Sierra Club, and admitted into evidence on 8/24/2010.
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INTERVENOR DEFENDERS OF WILDLIFE EXHIBITS

- EXHIBIT 700 Defenders of Wildlife Comments on the ISEGS Preliminary Staff Assessment; dated 1/31/2008, docketed 2/1/08. Sponsored by Intervenor Defenders of Wildlife, and admitted into evidence on 1/14/2010.
- EXHIBIT 701 Defenders of Wildlife Comments on the Draft Desert Tortoise Relocation Plan for the Ivanpah Solar Electric Generating System (07-AFC-5); dated 5/21/2009, docketed 5/21/09. Sponsored by Intervenor Defenders of Wildlife, and admitted into evidence on 1/14/2010.
- EXHIBIT 702 Defenders of Wildlife Additional Comments on Draft Environmental Assessment for Desert Tortoise Translocation; dated 8/31/2009, Sponsored by Intervenor Defenders of Wildlife, and admitted into evidence on 1/14/2010.
- Defenders of Wildlife comments on the Proposed Ivanpah Solar Electric Generating System (07-AFC-5): Cumulative Impact Analysis; dated 7/29/2009, docketed 7/30/09. Sponsored by Intervenor Defenders of Wildlife, and admitted into evidence on 1/14/2010.
- EXHIBIT 704 Map identifying private lands suitable for renewable energy development; dated 9/9/2009, Sponsored by Intervenor Defenders of Wildlife, NOT RECEIVED INTO EVIDENCE.
- USGS Report: Modeling Habitat of the Desert Tortoise (*Gopherus agassizii*) in the Mojave and Parts of the Sonoran Deserts of California, Nevada, Utah, and Arizona; dated 11/2/2009, Sponsored by Intervenor Defenders of Wildlife, and admitted into evidence on 1/14/2010.
- Relevant portions of the USFWS 1994 Desert Tortoise Recovery Plan; dated 2/11/2008, Sponsored by Intervenor Defenders of Wildlife, and admitted into evidence on 1/14/2010.
- **EXHIBIT 707** BLM Manual 1745; dated 5/9/2008, Sponsored by Intervenor Defenders of Wildlife, and admitted into evidence on 1/14/2010.
- Press release: Senators Feinstein and Merkley Introduce Measure to Spur Renewable Energy Development; dated 12/17/2009, Sponsored by Intervenor Defenders of Wildlife, NOT RECEIVED INTO EVIDENCE.

- EXHIBIT 709 DFG Comments on the Preliminary Staff Assessment and Recommendations for the Final Staff Assessment for the Ivanpah Solar Electric Generating System; dated 10/27/2009, docketed 10/28/09. Sponsored by Intervenor Defenders of Wildlife, and admitted into evidence on 1/14/2010.
- **EXHIBIT 710** Newspaper article: Army grants a stay to desert tortoises (*Los Angeles Times*); dated 10/11/2008, Sponsored by Intervenor Defenders of Wildlife, NOT RECEIVED INTO EVIDENCE.
- **EXHIBIT 711** Federal Officials Set Aside Worries Over Desert Tortoise, Rare Plant (*Los Angeles Times*); dated 3/26/2004. Sponsored by Intervenor Defenders of Wildlife, NOT RECEIVED INTO EVIDENCE.
- EXHIBIT 712 Western Watershed Project's comments on the Environmental Assessment for the Translocation of Desert Tortoises onto Bureau of Land Management and Other Federal Lands in the Superior-Cronese Desert Wildlife Management Area, San Bernardino County, California Bureau of Land Management: Environmental Assessment CA-680-2009-0058; dated 8/31/2009. Sponsored by Intervenor Defenders of Wildlife, Not Received Into Evidence.
- EXHIBIT 713 Intervenor Defenders of Wildlife Rebuttal Testimony; dated January 4, 2010, docketed January 4, 2010. Sponsored by Intervenor Defenders of Wildlife, and admitted into evidence on 1/14/2010.

INTERVENOR BASIN AND RANGE WATCH EXHIBITS

- EXHIBIT 800 Photo Data Base; dated 12/18/2009, docketed 12/18/2009. Sponsored by Intervenor Basin and Range Watch, and admitted into evidence on 1/11/2010.
- **Exhibit 801** Additional Testimony of Laura Cunningham, dated March 16, 2010, docketed March 16, 2010. Sponsored by Intervenor Basin and Range Watch, and admitted into evidence on 3/22/2010.

INTERVENOR CENTER FOR BIOLOGICAL DIVERSITY EXHIBITS

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- EXHIBIT 902 Epps, C.W., D.R. McCullough, J.D. Wehausen, V.C. Bleich and J.L. Rechel 2004. Effects of Climate Change on Population Persistence of Desert-Dwelling Mountain Sheep in California. Conservation Biology 18(1): 102-113; February 2004. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- EXHIBIT 905 Hiatt, H.D., T.E. Olson, J.C. Fisher. 1995. Reseeding four sensitive plant species in California and Nevada. In Proceedings: Wild and Shrub and Arid Land Restoration Symposium. General Technical Report INT-GTR-315. Pgs. 94-99 (undated). Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- EXHIBIT 908 Luckenbach, R.A. 1985. Ecology and management of the desert tortoise (*Gopherus agassizii*) in California. In R.B. Bury ed., Ecology and conservation of North American tortoises. U.S. Fish and Wildlife Service Research Report 12. Pgs. 1-37 (undated). Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- EXHIBIT 918 Brooks, M. L. and J. V. Draper. 2006. Fire effects on seed banks and vegetation in the Eastern Mojave Desert: implications for post-fire management, extended abstract, U.S. Geological Survey, Western Ecological Research Center, Henderson, Nevada, 3 p (undated). Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
- EXHIBIT 919 Brooks, M.L. and R.A. Minnich. In Press. Fire in the Southeastern Deserts Bioregion. Chp 16 in: Sugihara, N.G., J.W. van Wagtendonk, J. Fites-Kaufman, K.E. Shaffer and A.E. Thode (eds.). Fire in California Ecosystems. University of California Press, Berkeley.; (undated). Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- CPUC Rulemaking R.06-02-012, Develop Additional Methods to Implement California RPS Program, Pre-Workshop Comments of GreenVolts, Cleantech America, and Community Environmental Council on the 2008 Market Price Referent, March 6, 2008 (undated). Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- SCE Application A.08-03-015, Solar Photovoltaic (PV) Program Supplemental Rebuttal Testimony, October 14, 2008; dated 10/14/2008, Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
- EXHIBIT 928 Camp et al. 1997, Viewsheds: a Complimentary Management approach to buffer zones, Wildlife Society Bulletin 1997, 25(3):612-615 (undated). Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- **EXHIBIT 930** Klem 1989 Bird window collisions, Wilson Bull., 101(4), 1989, pp. 606-620 (undated). Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- EXHIBIT 932 Longcore 1997 On the Perils of Ecological Restoration: Lessons from the El Segundo Blue Butterfly; In press, 2nd Interface Between Ecology and Land Development in California J.E. Keeley, Coordinator. Occidental College, April 18-19, 1997 (undated). Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- EXHIBIT 934 Jennings, Bryan W., 2002, Diet Selection by the Desert Tortoise in Relation to the Flowering Phenology of Ephemeral Plants Chelonian Conservation and Biology, 2002, 4(2):353-358 (undated). Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- EXHIBIT 936 National Audubon Society 2008, Important Bird Areas in the U.S. Important Bird Areas in California (IBA), East Mojave Peaks. Available at http://www.audubon.org/bird/iba. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
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- **EXHIBIT 938** Rebuttal Testimony for Topics to be Heard in January, 2010, Additional Exhibits, and; dated January 5, 2010, docketed January 5, 2010. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/13/2010.
- **EXHIBIT 939** Opening Testimony for Topics to be Heard in January, 2010, Exhibit List, Exhibits, and Proof of Service, dated 12/17/2009. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/13/2010.
- **Exhibit 940** Revised testimony of Curtis Bradley, dated December 22, 2009, docketed December 23, 2009. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 1/14/2010.
- Exhibit 941 Additional Testimony of Mark C. Jorgensen Re: Impacts to Bighorn Sheep from the Proposed Ivanpah Solar Electric Generating System, dated March 12, 2010, docketed March 16, 2010. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 3/22/2010.
- Additional Testimony of Ileene Anderson Re: Impacts to Sensitive Wildlife from the Proposed Ivanpah Solar Electric Generating System, dated March 15, 2010, docketed March 16, 2010. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 3/22/2010.
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 Exhibit 944 Article Spatial Use and Habitat Selection of Golden Eagles in Southwestern Idaho. John M. Marzluff, Steven T. Knick, Mark S.
- Exhibit 944 Article Spatial Use and Habitat Selection of Golden Eagles in Southwestern Idaho John M. Marzluff, Steven T. Knick, Mark S. Vekasy, Linda S. Schueck, and Thomas J. Zarriello; The Auk 114(4):673-687, 1997 (undated) docketed March 16, 2010. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 3/22/2010.
- Abstract: Thirty-Fifth Annual Meeting and Symposium, The Desert Tortoise Council; Defenders of Wildlife 2010 Abstract: Desert Tortoise, February, 2010, docketed March 16, 2010. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 3/22/2010.

Transcript of Video: U.S. Geological Survey, The Heat Is On: Exhibit 946

Desert Tortoises and Survival (undated), docketed March 16, 2010. Sponsored by Intervenor Center for Biological Diversity, and

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Exhibit 947 Supplemental Testimony of Bill Powers, P.E. dated 3/16/2010,

docketed March 16, 2010. Sponsored by Intervenor Center for

Biological Diversity, RECEIVED AS PUBLIC COMMENT.

Exhibit 948 Not assigned.

Progress Report of 2009, The Health Status Translocated Desert Exhibit 949

> Tortoises (Gopherus agassizii) In The Fort Irwin Translocation Area and Surrounding Release Plots, San Bernardino County: Year 2. dated Year 2009. Sponsored by Intervenor Center for Biological

Diversity, and admitted into evidence on 8/24/2010.

Hagerty, Bridgette E. and C. Richard Tracy (2007) Follow-up Report Exhibit 950

> From The Scientific Advisory Committee Meeting "Genetic Structure Of the Mojave Desert Tortoise." Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 8/24/2010.

Exhibit 951 DRECP Independent Science Advisors (August 2010) DRECP-

1000-2010-008 Public Review Draft Recommendations of Independent Science Advisors for the California Desert Renewable

Energy Conservation Plan (DRECP) Prepared for Renewable Energy Action Team: California Department of Fish and Game, U.S. Fish and Wildlife Service, U.S. Bureau of Land Management,

California Energy Commission. Sponsored by Intervenor Center for

Biological Diversity, and admitted into evidence on 8/24/2010.

Exhibit 952 Additional Testimony of Ileene Anderson Regarding Significant

Changes to Proposed Project and Its Mitigations and Declaration, dated August 23, 2010. Sponsored by Intervenor Center for Biological Diversity, and admitted into evidence on 8/24/2010.

INTERVENOR CALIFORNIA NATIVE PLANT SOCIETY EXHIBITS

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- EXHIBIT 1007 Thrall, P.H., J.J. Burdon, and B.R. Murray. 2000. The metapopulation paradigm: a fragmented view of conservation biology. In: Young, A.G. and G.M. Clarke) Genetics, Demography, and Viability of Fragmented Populations. Cambridge University Press: Cambridge, UK, pp. 75-95.; Sponsored by Intervenor California Native Plant Society, and admitted into evidence on 1/14/2010.
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- EXHIBIT 1011 Lesica, P. and F. Allendorf. 1995. When are peripheral populations valuable for conservation? Conservation Biology 9(4): 753-760; Sponsored by Intervenor California Native Plant Society, and admitted into evidence on 1/14/2010.
- EXHIBIT 1012 Rebuttal Testimony of California Native Plant Society, dated January 4, 2010, docketed January 4, 2010. Sponsored by Intervenor California Native Plant Society, and admitted into evidence on 1/14/2010.
- Voucher records for 6 taxa that either occur nearer or at lower elevations to the Ivanpah SEGS site than what is presented in the Applicant's Rebuttal Testimony, Table Bio-1, dated January 14, 2010, docketed January 14, 2010, Sponsored by Intervenor California Native Plant Society, and admitted into evidence on 1/14/2010.
- Exhibit 1014 Opening Testimony of California Native Plant Society, dated December 18, 2009. Sponsored by Intervenor California Native Plant Society, and admitted into evidence on 3/22/2010.
- Exhibit 1015 Supplemental Testimony of California Native Plant Society, dated 3/16/2010, docketed March 22, 2010. Sponsored by Intervenor California Native Plant Society, and admitted into evidence on 3/22/2010.
- **Exhibit 1016** Additional Testimony of California Native Plant Society dated August 24, 2010. Sponsored by Intervenor California Native Plant Society, and accepted as public comment on 8/24/2010.

INTERVENOR COUNTY OF SAN BERNARDINO EXHIBITS

- EXHIBIT 1100 County of San Bernardino 2007 General Plan; Sponsored by Intervenor County of San Bernardino, and admitted into evidence on 1/14/2010.
- EXHIBIT 1101 Memorandum of Understanding Between the County of San Bernardino and the U.S. Department of the Interior, Bureau Of Land Management for Processing of Environmental Reviews, March 18, 2008; Sponsored by Intervenor County of San Bernardino, and admitted into evidence on 1/14/2010.
- Exhibit 1102 June 30, 2010 Memorandum from Stan Hoffman, Stanley R. Hoffman Associates, Inc., to Gerry Newcombe, County Administrative Office, and Chief Peter Brierty, San Bernardino County Fire Dept re: Estimated Allocation of Fire Facility Costs to Proposed Solar Energy Installations; Sponsored by Intervenor County of San Bernardino, and received as public comment on 8/24/2010.