

**Russell City Energy Center Prevention of Significant Deterioration Permit
February, 2010**

Index of Permitting Record

<u>1.0</u>	<u>PERMIT APPLICATION & RELATED MATERIALS</u>	<u>DATE</u>	<u>AUTHOR/SOURCE</u>	<u>RECIPIENT</u>
1.1	Application for Permit Modification for the Russell City Energy Center (with transmittal letter)	11/20/2006	Russell City Energy Company	BAAQMD
1.2	Notes from telephone conversation re Calpine's comments on proposed permit conditions	No date	Weyman Lee, BAAQMD	
1.3	Letter from Michael Hatfield, Russell City Energy Company, to Brian Bateman, BAAQMD, re: Permit Amendment for the Russell City Energy Center	11/20/2006	Michael Hatfield, Russell City Energy Company	Brian Bateman, BAAQMD
1.4	BAAQMD Form P-101B, Application Information for Authority to Construct/Permit to Operate	Nov-06	Russell City Energy Company	BAAQMD
1.5	BAAQMD Data Form C, Fuel Combustion Source, for Gas Turbine #1	Nov-06	Russell City Energy Company	BAAQMD
1.6	BAAQMD Data Form C, Fuel Combustion Source, for Duct Burner #1	Nov-06	Russell City Energy Company	BAAQMD
1.7	BAAQMD Data Form C, Fuel Combustion Source, for Gas Turbine #2	Nov-06	Russell City Energy Company	BAAQMD
1.8	BAAQMD Data Form C, Fuel Combustion Source, for Duct Burner #2	Nov-06	Russell City Energy Company	BAAQMD
1.9	BAAQMD Data Form G, General Air Pollution Source, for Cooling Tower	Nov-06	Russell City Energy Company	BAAQMD
1.10	BAAQMD Data Form C, Fuel Combustion Source, for Fire Pump Engine	Nov-06	Russell City Energy Company	BAAQMD
1.11	BAAQMD Data Form A, Abatement Device, for Selective Catalytic Reduction (SCR), Gas Turbine #1	Nov-06	Russell City Energy Company	BAAQMD
1.12	BAAQMD Data Form A, Abatement Device, for Carbon Monoxide (CO) Catalyst, Gas Turbine #1	Nov-06	Russell City Energy Company	BAAQMD

<u>1.0</u>	<u>PERMIT APPLICATION & RELATED MATERIALS</u>	<u>DATE</u>	<u>AUTHOR/SOURCE</u>	<u>RECIPIENT</u>
1.13	BAAQMD Data Form A, Abatement Device, for Selective Catalytic Reduction (SCR), Gas Turbine #2	Nov-06	Russell City Energy Company	BAAQMD
1.14	BAAQMD Data Form A, Abatement Device, for Carbon Monoxide (CO) Catalyst, Gas Turbine #2	Nov-06	Russell City Energy Company	BAAQMD
1.15	BAAQMD Data Form A, Abatement Device, for High Efficiency Drift Eliminators, Cooling Tower	Nov-06	Russell City Energy Company	BAAQMD
1.16	BAAQMD Data Form P, Emission Point #1	Nov-06	Russell City Energy Company	BAAQMD
1.17	BAAQMD Data Form P, Emission Point #2	Nov-06	Russell City Energy Company	BAAQMD
1.18	BAAQMD Data Form P, Emission Point #3	Nov-06	Russell City Energy Company	BAAQMD
1.19	BAAQMD Data Form P, Emission Point #4	Nov-06	Russell City Energy Company	BAAQMD
1.20	BAAQMD Permit Application Invoice #IPA35	Dec-06	BAAQMD	Russell City Energy Company
1.21	Letter from David Williams, Calpine, to Dennis Jang, BAAQMD, re: Russell City Acid Rain Permit Application	6/20/07	David Williams, Calpine	BAAQMD
1.22	Email from Barbara McBride, Calpine to Weyman Lee, BAAQMD, re: Russell City Permit (change of owner name)	8/18/08	Barbara McBride, Calpine	Weyman Lee, BAAQMD

<u>2.0</u>	<u>BACT ANALYSIS - GAS TURBINES</u>	<u>DATE</u>	<u>AUTHOR/SOURCE</u>	<u>RECIPIENT</u>
2.1	Roointon Pavri and Gerald D. Moore, GE Energy Services, "GE Power Systems: Gas Turbine Emissions and Control"	No date	Roointon Pavri and Gerald D. Moore, GE Energy Services	
2.2	Article excerpt, "Power: Gas turbine combustors drive emissions toward Best Available Control..."	11/5/2008		
2.3	Excerpt, Air Resources Board Report to the Legislature, "Gas-Fired Power Plant NOx Emission Controls and Related Environmental Impacts"	5/1/2004	California Air Resource Board	

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2.4	Request for Comments: Proposed Renewal of Standard Air Contaminant Discharge Permit for Klamath Generation, LLC	10/31/2008	Oregon Department of Environmental Quality, Eastern Region Air Quality	
2.5	Fax from Weyman Lee, BAAQMD, to Tim Shippy, Peerless Mfg., re: Cost Analyses for SCR and EMx Systems, w/ attachment	11/18/2008	Weyman Lee, P.E., BAAQMD	Tim Shippy, Peerless Mfg.
2.6	Multiple Fax Cover Pages, from Weyman Lee, BAAQMD, to Lou Brizzolara, AHM, et al., re: 1999 SCR Cost Analysis, w/ attachment	10/20/2008 ; 8/25/2008	Weyman Lee, P.E., BAAQMD	Lou Brizzolara, AHM, et al.
2.7	Figure 8.1E-2: EMx Cost Effectiveness Calculation: 2008 EMx Cost Comparison	2008		
2.8	Email from Tim Shippy, Peerless Mfg., to Weyman Lee, BAAQMD, et al., re: Cost Effectiveness for SCR	11/17/2008	Tim Shippy, Peerless Mfg.	Weyman Lee, P.E., BAAQMD, et al.
2.9	Appendix 8.1E: Evaluation of Best Available Control Technology	No date		
2.10	Steven DeCicco, EmeraChem, LLC, et al., "High Performance EMx Technology for Fine Particles, NOx, CO, and VOCs from Gas Turbines and Stationary IC Engines"	4/27/2006	Steven DeCicco, EmeraChem, LLC, et al.	
2.11	Gateway Generating Station, Application No. 15629, [Draft] EMx (formerly SCONOX) NOx Control Cost Effectiveness Calculations	8/25/2008	BAAQMD	
2.12	[Duplicate] Steven DeCicco, EmeraChem, LLC, et al., "High Performance EMx Technology for Fine Particles, NOx, CO, and VOCs from Gas Turbines and Stationary IC Engines"	4/27/2006	Steven DeCicco, EmeraChem, LLC, et al.	
2.13	Appendix 8.1E: Evaluation of Best Available Control Technology, with handwritten note	No date		
2.14	EMx Catalyst System: Technical Specifications	No date	EmeraChem Power	
2.15	EMx for NOx, SOx, CO, VOC and Particulate Matter (PM) Reduction	No date	EmeraChem Power	

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2.16	California Environmental Technology Certification Program: SCONOx	No date	Goal Line Environmental Technologies, Represented by: Sunlaw Energy Corp.	
2.17	Email from Jeff Valmus, Emerachem to Brian Lusher, BAAQMD re: Questions on EMX	3/26/2009	Jeff Valmus, Emerachem	Brian Lusher, BAAQMD
2.18	Test results, Formaldehyde emissions, Calpine Sumas, WA power plant	6/13/2002	Valid Results, Inc.	
2.19	Email message from B. Fretwell to B. McBride, Calpine re Sumas Formaldehyde test results	3/4/2009	B. Fretwell	Barbara McBride, Calpine
2.20	Email from Paul Bruning to Brian Fretwell, et al, re: Sumas NH3 and Formaldehyde Results	7/2/2002		
2.21	Product Brochure, LM6000 SPRINT Gas Turbine Generator Set	Mar-03	GE Aero Energy Products	
2.22	Final Staff Report, "Comparative Costs of California Central Station Electricity Generation Technologies", CEC-200-2007-011-SF (Excerpts)	Dec-07	California Energy Commission	
2.23	"Summary of Filterable PM10"	6/22/2009	B. McBride, Calpine	
2.24	Saffet Tanrikulu, BAAQMD, et al, Draft "Fine Particulate Matter Data Analysis and Modeling in the Bay Area"	10/1/2009	Saffet Tanrikulu, et al, BAAQMD	
2.25	Excerpt from Draft "Fine Particulate Matter Data Analysis and Modeling in the Bay Area", Sensitivity of PM2.5 to Ammonia Emissions	10/8/2009	Saffet Tanrikulu, et al, BAAQMD	
2.26	Memorandum, "Analysis of CMAQ Modeling of Russell City Secondary PM2.5" (attached with email message from D. Fairley to W. Lee, July 9, 2009)	7/9/2009	David Fairley, BAAQMD	
2.27	Memorandum, "Russell City CMAQ Model Results Without Ammonia" (attached with email message from D. Fairley to B. Bateman & W. Lee, July 9, 2009).	7/9/2009	David Fairley, BAAQMD	

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2.28	Spreadsheet of PM10 emissions from Calpine Power Plants	6/10/2009	Calpine	BAAQMD
2.29	Source Test Results for Formaldehyde Emissions from Urea Injection, Prepared by Valid Results, Inc., Seattle, WA	No date	Valid Results, Inc.	
2.30	Email from Fred Booth, BASF Chemical Company to Mark Strehlow, URS Corp, re: Siemens Flex 10 Project, CO Catalysts - BASF Catalysts LLC Budgetary Proposal EPB00870	5/29/2009	BASF Catalysts LLC	Mark Strehlow, URS Corp
2.31	CO Catalyst Average/Total Cost Effectiveness Analysis 1.5 ppm	6/22/2009	Calpine	
2.32	CO Catalyst Incremental Cost Effectiveness Analysis 1.5 ppm	6/22/2009	Calpine	
2.33	SCAQMD Best Available Control Technology Guidelines	7/14/06 (rev'd)	South Coast Air Quality Management District	
2.34	Memorandum from David Warner, Director of Permit Services Staff, re Revised BACT Cost-Effectiveness Thresholds	5/14/2008	D. Warner, San Joaquin Valley APCD	
2.35	EPA RACT/BACT/LAER Clearinghouse Identification No. GA-0127, Southern Company/Georgia Power, Permit No 4911-067-003-V-02-2	1/7/2008	EPA	
2.36	EPA RACT/BACT/LAER Clearinghouse Identification No. NV-0035, Sierra Pacific Power Company Trace Substation Expansion Project, Permit No. AP4911-1504	8/16/2005	EPA	
2.37	EPA RACT/BACT/LAER Clearinghouse Identification No. OR-0041, Wanapa Energy Center, Permit No. R10PSD-OR-05-01	8/8/2005	EPA	
2.38	Letter from Gerardo Rios, EPA Region 9, to Eldon Heaston, Antelope Valley AQMD, re: EPA Comments on the PDOC for the Palmdale Hybrid Power Project	3/19/2009	Gerardo Rios, EPA Region 9	Eldon Heaston, Executive Director, Antelope Valley AQMD

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2.39	CPV Vaca Station, LLC Responses to California Energy Commission Staff Data Requests 1 through 53 for the Application for the CPV Vaca Station Project (08-AFC-11)	4/19/2009	Douglas Davy, CH2MHILL	CEC
2.40	New Source Review Permit issued by the State of Connecticut, Department of Environmental Protection, Bureau of Air Management to Kleen Energy Systems LLC	2/25/2008	State of Connecticut, Department of Environmental Protection, Bureau of Air Management	
2.41	Memorandum from Sims Roy to Docket A-95-51, re Hazardous Air Pollutant (HAP) Emission Control Technology for New Stationary Combustion Turbines	4/3/2002	Sims Roy, Emissions Standards Division, Combustion Group	Docket A-95-51
2.42	Siemens PowerPoint Presentation "SGT6-5000F (W501F) Engine Enhancements to Improve Operational Flexibility" (Dec. 2006)	Dec-06	John Xia, <i>et al.</i>	
2.43	Interim Report, "Advanced Power Plant Development and Analyses Methodologies Final Report" 01-13-06, Advanced Power and Energy Program, University of California, Irvine	1/13/2006	A. D. Rao, <i>et al.</i>	
2.44	Article "Startup and Testing of Siemens V84.3A Combustion Turbine in Peaking Service at Hawthorn Station of Kansas City Power & Light Company", Nov. 1997,	Nov-97	R. Ball, B. Mastrodonato	
2.45	EPA Draft New Source Review Workshop Manual (1990) at http://www.epa.gov/ttn/nsr/gen/wkshpman.pdf	1990		
2.47	Email message from Brian Fretwell to Barbara McBride, Calpine, March 4, 2009 (0.049 tpy formaldehyde emissions without urea).	3/4/2009	Brian Fretwell	Barbara McBride, Calpine
2.48	Final Determination of Compliance, Carlsbad Energy Center Project, San Diego Air Pollution Control District, Applications Number 985745, 985747, and 985748, August 4, 2009, p. 8 Table 1a (2 ppm NOx limit) and p. 10	8/4/2009	San Diego Air Pollution Control District	

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2.49	Prevention of Significant Deterioration Permit, Stationary Source Permit to Construct and Operate, issued to CPV Warren LLC, by Virginia Department of Environmental Quality, State Air Pollution Control Board, July 30, 2004, as amended January 14, 2008.	1/14/2008	Virginia Department of Environmental Quality, State Air Pollution Control Board	
2.50	Bay Area Air Quality Management District Best Available Control Technology (BACT) available at: www.baaqmd.gov/pmt/bactworkbook/default.htm	No date	BAAQMD	
2.54	EPA Region 9, Avenal Energy Project (SJ 08-01), Prevention of Significant Deterioration Permit, Proposed Permit Conditions, EPA Docket ID No. EPA-R09-OAR-2009-0438-0001, June 2009	Jun-09	EPA, Region 9	
2.55	San Joaquin Valley Air District Rule 2201, Section 3.9	No date	San Joaquin Valley Air District	
2.56	Comparison of the Most Recent BACT/LAER Determinations for Combustion Turbines by State Air Pollution Control Agencies, Nishat H. Hydari, Adeel A. Yousef and Dr. Howard M. Ellis, QEP, Paper # 42752, Air and Waste Management Association (AWMA) Meeting June 2002	Jun-02	Nishat H. Hydari, <i>et al.</i>	
2.57	Betty K. Pun & Christian Seigneur, Sensitivity of PM Nitrate Formation to Precursor Emissions in the California San Joaquin Valley, (April 2, 2001)	4/2/2001	Betty K. Pun & Christian Seigneur	
2.58	Bay Area Air Quality Management District, Manual of Procedures, available at http://www.baaqmd.gov/Records/MOP.aspx	No date	BAAQMD	
2.59	Memorandum from T. Underwood, BAAQMD, to B. Lusher, BAAQMD: Outside Test NTV-617, January 4 through 14, 2009 source test of S-41, and Outside Test NTV-618, January 6 through 14, 2009 source test of S-43	2/20/2009	T. Underwood, BAAQMD	B. Lusher, BAAQMD
2.60	National Combustion Turbine List	1/20/2010	EPA	

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2.61	Low Temperature Urea Decomposition Phenomena in SCR Systems, C. Scott Sluder (Primary Contact), John M.E. Storey, Samuel A. Lewis, Linda A. Lewis, Oak Ridge National Laboratory	No date	C. Scott Sluder, et al.	

[NOTE – Section numbers 3 and 4 were reserved and have not been used in the District’s index of record documents for this proceeding.]

<u>5.0</u>	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.1	Delta Energy Center: Cold Startups Since 2004	11/24/2008	Calpine	
5.2	Table 16: Comparison of Startup Permit limits from Large Combined Cycle Turbines, w/ handwritten notes	11/24/2008		
5.3	Proposed Draft Permitting Analysis Language Regarding Startup and Shutdown BACT Analysis	11/24/2008	Calpine	BAAQMD
5.4	Proposed Draft Permitting Analysis Language Regarding Startup and Shutdown BACT Analysis	12/3/2008	Calpine	BAAQMD
5.5	EPRI Technical Analysis, excerpt regarding OpFlex	11/24/2008	EPRA	
5.6	San Diego County Air Pollution Control District, Startup Authorization for SDG&E, Application No. 984461, PO No. 976846	4/30/2008 (date of issuance); 11/24/08 (printed)	San Diego APCD	
5.7	Printout from Webwire.com: "GE Energy Introduces 10-Minute Startup Capability For Its Frame 7FA Gas Turbines"	12/12/2007	WebWire	
5.8	Letter from Daniel Baerman, Sempra Energy Co., to Catherine Santos, Clerk of Hearing Board for the San Diego County Air Pollution Control District re: Hearing Board Variance 4073; Quarterly Report	4/11/2007		
5.9	Letter from Daniel Baerman, Sempra Energy Co., to Dan Speer, San Diego County Pollution Control District, re: Nonapplicability Confirmation for Installation of Tuning	8/22/2006		

<u>5.0</u>	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
	Software			
5.10	OpFlex Turndown Product Brochure	No date	GE Energy	
5.11	Phone Memorandum of Brian Lusher, BAAQMD, re: call with Bob Bellis, GE Energy	11/21/2008	Brian Lusher, BAAQMD	
5.12	Phone Memorandum of Brian Lusher, Beamed, re: call with Derrick Owen, GE Energy	11/21/2008	Brian Lusher, BAAQMD	
5.13	Memorandum from Shaheerah Kelly, USEPA Region 9 Air Division, Permits Office, to Administrative Record for the Colusa Generating Station Final PSD Permit re: Record of Communication regarding a 6/23/08 phone call between Gary Rubenstein and EPA	6/23/2008	Shaheerah Kelly, USEPA Region 9 Air Division, Permits Office	Administrative Record for the Colusa Generating Station Final PSD Permit
5.14	Memorandum from Shaheerah Kelly, USEPA Region 9 Air Division, Permits Office, to Administrative Record for the Colusa Generating Station Final PSD Permit re: Record of Communication regarding a 7/1/08 phone call between General Electric and EPA	9/29/2008	Shaheerah Kelly, USEPA Region 9 Air Division, Permits Office	Administrative Record for the Colusa Generating Station Final PSD Permit
5.15	Letter from Martin Homec, Esq., CARE, et al., to Deborah Jordan, USEPA Region 9, et al., re: Withdrawal of Comments on Proposed PSD Permit for Colusa Generating Station -- PSD Permit SAC 06-01	9/12/2008 (date of letter)		
5.16	Email message from Michael Boyd, CARE, to Shaheerah Kelly, EPA Region 9, re CARE's Comments on PSD Permit for Colusa Generating Station	7/31/2008	Michael Boyd, CARE	Shaheerah Kelly, EPA Region 9
5.17	Product Fact Sheet re OpFlex Start-up Nox and Start-up Fuel Heating: Operational Flexibility Enhancements for Gas Turbines	No date	GE Energy	
5.18	Press Release: GE Energy Announces New OpFlex Extended Turndown for 9FA+e Gas Turbines: OpFlex Extended Turndown is Latest Addition to GE's Operational Flexibility Portfolio	6/5/2008 (date of release); 11/24/2008 (date printed)	GE Energy	

5.0	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.19	S. Xiao and V. Martling, PSM, "The Proven Alternative: Reducing Gas Turbine NOx and CO Emissions Through Improved Combustor Design"	No date	PSM	
5.20	Telephone notes re: 11/6/08 teleconference w/ Candido Veiga et al.	11/6/2008	Weyman Lee, BAAQMD	
5.21	Spreadsheet, Comparison of Emission Rates between RCEC and Flex 10	No date		
5.22	H. Emberger et al., Siemens, "Economic Evaluation of Cycling Plants - An Approach to Show the Value of Operational Flexibility"	2007	H. Emberger et al, Siemens	
5.23	Khawar J. Syed, Siemens Industrial Turbomachinery Ltd., et al., "A Novel Approach to Predicting NOx Emissions From Dry Low Emissions Gas Turbines", in Proceedings of GT2006 ASME Turbo Expo 2006	2006	Khawar J. Syed, Siemens Industrial Turbomachinery Ltd.	
5.24	Testimony of Shahab Khoshmashrab re Power Plant Efficiency, CEC Licensing Proceeding for Russell City Energy Center	6/10/2002	Shahab Khoshmashrab	CEC Proceeding
5.25	Excerpt, CEC Comments on Fast Start, w/ handwritten notes	Jun-07		CEC Proceeding
5.26	Excerpt, Babcock & Wilcox: Steam 40 / Thermodynamics of Steam, p. 2-21	No date		
5.27	Low Load Operational Flexibility for Siemens G-class Gas Turbines, w/ handwritten notes	11/24/2008 (date article sent by Siemens)	Ben Beaver, Siemens	BAAQMD
5.28	Integrated Technologies that Enhance Power Plant Operating Flexibility	No date	Siemens	
5.29	Preparing a flow schematic for the HRSG	No date		
5.30	Evaluation of the use of Siemens "Fast Start" Technology at Calpine's Russell City Energy Center (RCEC)	9/10/2008	Calpine	BAAQMD
5.31	Evaluation of the use of Siemens "Fast Start" Technology at Calpine's Russell City Energy Center (RCEC)	8/20/2008	Calpine	BAAQMD

5.0	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.32	Product Brochure, BENSON Once-Through Heat Recovery Steam Generator	2006	Siemens	
5.33	Product Brochure, BENSON Boilers for Maximum Cost-Effectiveness in Power Plants	2001	Siemens	
5.34	John Xia, Siemens, et al., "SGT6-5000F (W501F) Engine Enhancements to Improve Operational Flexibility	Dec-05	Siemens	
5.35	Peter Murau and Dr. Michael Schottler, Siemens, "Low Emission Water/Steam Cycle -- A Contribution to Environment and Economics"	2005	Siemens Power Generation (PG)	
5.36	H. Emberger, Siemens Power Generation (PG), et al., "Fast Cycling Capability for New Plants and Upgrade Opportunities"; POWER-GEN International 2005	Dec-05	Siemens Power Generation (PG)	
5.37	Email (forwarded) from Sherman Lewis to distribution list re Hayward Power Plants	9/23/2007	Sherman Lewis	Distribution List
5.38	Email from Barbara McBride, Calpine, to Bob Nishimura, BAAQMD, et al., FW: RCEC / Siemens Fast Start at RCEC.doc	6/1/2007	Barbara McBride, Calpine	Bob Nishimura, BAAQMD, et al.
5.39	Database information printout re permit application status of application 2896 for Russell City Energy Center	8/30/2007		
5.40	Michael T. McManus and Raymond Baumgartner, Siemens Westinghouse Power Corp., "An Integrated Combined-Cycle Plant Design That Provides Fast Start Capability at Base-Load	Dec-03	Michael T. McManus and Raymond Baumgartner, Siemens Westinghouse Power Corp.	
5.41	Dr. Daniel Hofmann and Holger-Max Emberger, Siemens, "Taking Advantage of Market Opportunities through Siemens Reference Power Plants"	2006	Dr. Daniel Hofmann and Holger-Max Emberger, Siemens	
5.42	H. Emberger, Siemens Power Generation (PG), et al., "Fast Cycling Capability for New Plants and Upgrade Opportunities"	2005		

5.0	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.43	Phone notes of conversation with John Bowater, Plant Manager of the Lakeside Power Plant, Utah, re: Use of Siemens FP30 technology at the power plant	4/8/2009	Weyman Lee, BAAQMD	
5.44	Phone notes of conversation with Steven Moore, San Diego APCE, re: Palomar Opflex data	4/16/2009	Weyman Lee, BAAQMD	
5.45	Phone notes of conversation with Hashim Navrozali, San Diego Gas and Electric, re: Palomar Opflex data	4/16/2009	Weyman Lee, BAAQMD	
5.46	Data Table, Delta Energy Center: Cold Startups Since 2004	11/24/2008	Calpine	BAAQMD
5.47	Los Medanos Energy Center Start-up/Shutdown Log, CY2008	2008	Calpine	BAAQMD
5.48	Los Medanos Energy Center Start-up/Shutdown Log, CY2007	2007	Calpine	BAAQMD
5.49	Los Medanos Energy Center Start-up/Shutdown Log, CY2006	2006	Calpine	BAAQMD
5.50	Los Medanos Energy Center Start-up/Shutdown Log, CY2005	2005	Calpine	BAAQMD
5.51	Los Medanos Energy Center Start-up/Shutdown Log, CY2004	2004	Calpine	BAAQMD
5.52	Delta Energy Center Start-up/Shutdown & Tuning Log, CY2007	2007	Calpine	BAAQMD
5.53	Delta Energy Center Start-up/Shutdown & Tuning Log, CY2008	2008	Calpine	BAAQMD
5.54	Proposed Draft BACT analysis language regarding startup emissions limits	12/10/2008	Calpine	BAAQMD
5.55	Proposed Draft BACT analysis language regarding startup emissions limits	12/10/2008	Calpine	BAAQMD
5.56	Email from Kevin Poloncarz, Calpine to Alexander Crockett, BAAQMD re: Analysis of Additional Startup Data from Palomar Energy Center etc.	4/18/2009	Kevin Poloncarz, Calpine	Alexander Crockett, Esq., BAAQMD
5.57	Email from Kevin Poloncarz, Calpine to Alexander Crockett, BAAQMD re: Startup/Shutdown Analysis of Annual Limits, Auxiliary Boiler and CO BACT	4/2/2009	Kevin Poloncarz, Calpine	Alexander Crockett, Esq., BAAQMD

<u>5.0</u>	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.58	Table, Summary of Startups (2006 - 2007), Palomar Energy Center			
5.59	Table, Emissions of NOx During Startup Events After Installation of OpFlex		Calpine	BAAQMD
5.60	Spreadsheet, Estimated Annual Emissions for Typical Scenario with CO at 2.0 ppm		Calpine	BAAQMD
5.61	Email from Pete Bukunt, GE Energy to Rick Thomas, Calpine, re: GE OpFlex for Gas Turbines	3/17/2009	Pete Bukunt, GE Energy	Rick Thomas, Calpine
5.62	Data Log for Delta Energy Center: Startup/Shutdown, CY 2005		Calpine	
5.63	Data Log for Delta Energy Center: STG cold start and Tuning, CY 2007		Calpine	
5.64	Data Log for Delta Energy Center, Startup/Shutdown & Tuning, CY 2007		Calpine	
5.65	Data Log for Delta Energy Center, Startup/Shutdown & Tuning, CY 2008		Calpine	
5.66	Data Log for Delta Energy Center, Cold Start Startup/Shutdown, CY 2005		Calpine	
5.67	Email from Barbara McBride, Calpine to Kevin Poloncarz, et al, re: Aux Boiler Emissions	3/21/2009	Barbara McBride, Calpine	Kevin Poloncarz, Calpine
5.68	Spreadsheet re Auxilliary Boiler Cost Effectiveness Analysis		Calpine	BAAQMD
5.69	Los Medanos Energy Center Start-up/Shutdown Log, CY2008	2008	Calpine	BAAQMD
5.70	Delta Energy Center Start-up/Shutdown & Tuning Log, CY2007	2007	Calpine	BAAQMD
5.71	Monthly CEM Reports for Metcalf Energy Center	5/1/2005 - 8/31/2008	Calpine	BAAQMD
5.72	New Source Review Permit, Lake Side Power Plant, Utah County, UT	10/25/2004	Utah Division of Air Quality	

<u>5.0</u>	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.73	Notice of Intent and Prevention of Significant Deterioration Air Quality Application, Lake Side Power Plant	May-04	Greystone Environmental Consultants, Inc., prepared for Summit Vineyard LLC	
5.74	PSD Permit, Caithness Long Island Energy Center (with transmittal letter from W. Mugdan, EPA Region 2)	4/7/2006	EPA Region 2	
5.75	Colusa Generating Station, Ambient Air Quality Impact Report, PSD Permit No. SAC 06-01	5/1/2008	EPA Region 9	
5.76	Final PSD Permit, Colusa Generating Station, PSD Permit No. SAC 06-01	9/29/2008	EPA Region 9	
5.77	Siemens Statement Regarding Available Siemens Technology Which Appear in Comments On RCEC's Draft PSD Permit, attachment to email from C. Viego, Siemens Regional Vice President, to R. Thomas, Calpine.	3/16/2009	C. Viego, Regional Vice President, Pacific Northwest, Siemens Energy, Inc.	
5.78	Caithness Long Island Energy Center Environmental Impact Statement	6/1/2005	Long Island Power Authority	
5.79	Email from Barbara McBride, Calpine, to Weyman Lee, BAAQMD, re: Re: RCEC vs FP 10 emissions	11/13/2008	Barbara McBride, Calpine	Weyman Lee, P.E., BAAQMD
5.80	Notes re: RCEC turbine firing rate, etc.	11/12/2008	Weyman Lee, P.E., BAAQMD	BAAQMD Internal File
5.81	Email from Mark Strehlow, URS Corp., to Brian Lusher, BAAQMD, et al., re: Mirant AFCs FP10 responses	10/27/2008	Mark Strehlow, URS Corp.	Brian Lusher, BAAQMD, et al.
5.82	Estimated Startup and Shutdown Emissions, Fuel Use and Energy Produced: SCC6-5000F(4) 1x1 Flex-Plant 10 Combined Cycle (20 ppm ULN) on Natural Gas - ISO Conditions	6/20/2008 (date of document); 11/24/2008 (sent by Siemens)	Ben Beaver, Siemens	BAAQMD
5.83	Chart, "Heat Input vs. Power", w/ handwritten notes	11/21/08 (sent by Siemens)	Ben Beaver, Siemens	BAAQMD

5.0	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.84	Comparison of Emission Rates between RCEC and Flex 10	No date		
5.85	Appendix 3.1A: Calculation of Maximum Hourly, Daily, and Annual Emissions	No date		
5.86	Appendix C.1: Operational Emissions (Siemens Combined Cycle FP 10 ...)	No date		
5.87	Russell City Energy Center Construction Schedule	40084	Bechtel Corporation Frederick, MD	
5.88	National Combustion Turbine List	1/8/2010	EPA	
5.89	Email from Alex Prusi, Calpine to Barbara McBride, Calpine re: Budgetary Pricing for GE 207FA CC RR	12/28/2009	Alex Prusi, Calpine	Barbara McBride, Calpine
5.90	Letter from Peter Bukunt, GE Energy to Richard Thomas, Calpine re: GE207FA.05 Rapid Response Combined Cycle Plant	1/4/2009	Pete Bukunt, GE Energy	Rick Thomas, Calpine
5.91	GE 7FA Technical Specifications Sheet	No date	General Electric	
5.92	Press Release: GE Announces Advancements to Leading Gas Turbine	10/27/2009	General Electric	
5.93	Slides: GE Heavy Duty Gas Turbine Products	No date	General Electric	
5.94	Slides: GE Rapid Response Combined Cycle; prepared by Gordon Smith and Andrew Baxter, GE	9/24/2007	Gordon Smith and Andrew Baxter, GE	
5.95	Draft Analysis of GE Rapid Response System	1/6/2010	Kevin Poloncarz, Calpine	BAAQMD
5.96	Appendix 1 to Draft Analysis of GE Rapid Response System, Comparison of Emissions Reductions Resulting from Rapid Response CC System Assuming RCEC Operating Profile	1/6/2010	Kevin Poloncarz, Calpine	
5.97	Appendix 2 to Draft Analysis of GE Rapid Response System, Cost Effectiveness Analysis of Requiring Use of GE Rapid Response CC Plant Design for RCEC (difference between annual limits)	1/6/2010	Kevin Poloncarz, Calpine	

<u>5.0</u>	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.98	Appendix 2 to Draft Analysis of GE Rapid Response System, Cost Effectiveness Analysis of Requiring Use of GE Rapid Response CC Plant Design for RCEC (reductions achieved by Rapid Response)	1/6/2010	Kevin Poloncarz, Calpine	
5.100	Email re telephone conversation between Alexander G. Crockett, Esq., BAAQMD, and Taylor O. Miller, Esq., Sempra Energy, 4/15/09, re potential for sharing Palomar emissions data	4/15/2009	T. Miller, Sempra Energy	A. Crockett, BAAQMD
5.101	Utah DEQ Approval Order DAQE-AN3031001-05 (Lake Side Power Plant),	1/6/2005	State of Utah, Division of Air Quality	
5.102	California Energy Commission, in the Matter of Calpine Construction Finance Company, L.P.'s Sutter Power Project, Order Approving Amendment to Change Startup Emission Limits and Other Air Quality Conditions, Docket No. 97-AFC-2C, Order No. 03-0611-01(k), June 11, 2003	6/11/2003	CEC	
5.104	Proposed Amended Permit Conditions, Colusa Generating Station, PSD Permit No. SAC 06-01	9/29/2008		
5.105	Siemens Statement Regarding Available Siemens Technology Which Appear in Comments on RCEC's Draft PSD Permit	No date	Siemens Technology	Rick Thomas, Calpine
5.106	Engineering Review, Summit Vineyard, LLC, Lake Side Power Plant, October 25, 2004	10/25/2004	Utah Division of Air Quality	Tom Cameron, Summit Vineyard LLC
5.107	Staff Report, El Segundo Power Redevelopment Project, Proceeding 00-AFC-14 (CEC, June 12, 2008) (Excerpt)	6/12/2008	CEC	
5.108	Application for Certification, Willow Pass Generating Station, June 2008 (Excerpts)	Jun-08	Mirant Willow Pass, LLC	
5.109	Application for Certification, Marsh Landing Generation Station, May 2008	May-08	Mirant Willow Pass, LLC	

<u>5.0</u>	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.110	Application for Certification Amendment (08-AFC-03) for Marsh Landing Generating Station, Contra Costa County, California, September 15, 2009 (available at: http://www.energy.ca.gov/sitingcases/marshlanding/documents/applicant/2009-09-15_Applicants_Amendment_to_the_Application_for_Certification_TN-53293.PDF)	Sep-09	Mirant Willow Pass, LLC	
5.111	Application for Certification, Contra Costa Generating Station, California Energy Commission, Docket No. 09-AFC-4, June 30, 2009 (Excerpts)	6/30/2009	Radback Energy	
5.114	Schedule No. SCH-001, revision No. F, January 10, 2010, prepared by Bechtel, Frederick, Maryland, "Russell City, California, USA (2x2x1)- Combined Cycle," job no. 25483-001	1/8/2010	Bechtel Corporation	
5.115	Notice of Receipt, Petition to Amend the Energy Commission Decision for the Inland Empire Energy Center Project (01-AFC-17C), December 14, 2009, Docket Log No. 54461	12/14/2009	CEC	
5.116	Email from Alex Prusi (Director of Engineering, Calpine) to Barbara McBride (Director, Environmental, Health & Safety, Calpine), December 28, 2009.	12/28/2009	Alex Prusi, Calpine	Barbara McBride, Calpine
5.117	The New 7FA – Technical Specifications", GE Energy	No date	General Electric	
5.119	Excel spread-sheet entitled "Aux Boiler start profile DJ.xls".	3/31/2009	Barbara McBride, Calpine	
5.120	Excel spread-sheet entitled "Aux Boiler-NOx-2.xls"	3/31/2009	Barbara McBride, Calpine	
5.122	Memorandum from John B. Rasnic, Director, Stationary Source Compliance Division, Office of Air Quality Planning and Standards, U.S. EPA, to Linda M. Murphy, Director, Air, Pesticides and Toxics Management Division, U.S. EPA Region I (Jan. 28, 1993)	1/28/1993	John B. Rasnic, EPA	Linda M. Murphy, EPA
5.123	Memorandum from Kathleen M. Bennett, Assistant Administrator for Air, Noise, and Radiation, U.S. EPA, to Regional Administrators, Regions I-X (Feb. 15, 1983)	2/15/1983	Kathleen M. Bennett, EPA	Regional Administrators, Regions I-X

<u>5.0</u>	<u>STARTUP/SHUTDOWN BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
5.124	Memorandum from Kathleen M. Bennett, Assistant Administrator for Air, Noise, and Radiation, U.S. EPA, to Regional Administrators, Regions I-X (Sept. 28, 1982)	9/28/1982	Kathleen M. Bennett, EPA	Regional Administrators, Regions I-X
5.125	Decision Approving Settlement Agreement Regarding the Second Amended and Restated Power Purchase Agreement, California Public Utilities Commission, April 16, 2009, Decision 09-04-010, Issued April 20, 2009	4/20/2009	California Public Utilities Commission	
5.126	Pacific Gas and Electric Company, Request for Approval of Ruby Pipeline Transportation Arrangements, Prepared Testimony, Supplemental Testimony, Electric Fuels Department, Application 07-12-021, U 39 M, February 15, 2008	2/15/2008	Pacific Gas and Electric Company	
5.127	Second Amended and Restated Power Purchase and Sale Agreement between Pacific Gas & Electric Co. and Russell City Energy Co., LLC, Appendix II.	12/19/2008		
5.128	Biological Site Assessment for Russell City Energy Center Amendment No. 2 - Additional Construction Laydown/Parking Areas	12/10/2009	Danielle Tannourji, CH2M Hill	Barbara McBride, Calpine
5.129	Application of Pacific Gas and Electric Company for Expedited Approval of the Amended Power Purchase Agreement for the Russell City Energy, Application 08-09-007 (Filed September 10, 2008) Company Project (U39E)	1/23/2009	Pacific Gas and Electric Company	

<u>6.0</u>	<u>COOLING TOWER PARTICULATE MATTER ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
6.1	J. Reisman and G. Frisbie, "Calculating Realistic PM10 emissions from Cooling Towers, Abstract NO. 216, Session No. AM-1b		Greystone Environmental Consultants, Inc.	
6.2	Appendix A: Updated CEIDARS Table with PM2.5 Fractions		South Coast Air Quality Management District	

<u>6.0</u>	<u>COOLING TOWER PARTICULATE MATTER ISSUES</u>	<u>DATE</u>	<u>AUTHOR/SOURCE</u>	<u>RECIPIENT</u>
6.3	EPA AP-42, Chapter 13.4: Wet Cooling Towers	Jan-95	EPA	
6.4	Kings River Conservation District Community Plant Appendix 8.1-5 : Operations Phase Emissions		Kings River Conservation District Community Power Plant	
6.5	City of Hayward Agenda Report to Mayor and City Council from City Manager (Feb. 6, 2001)	2/6/2001	City of Hayward	
6.6	City of Hayward Agenda Report to Mayor and City Council from City Manager (Oct. 11, 2005)	10/11/2005	City of Hayward	
6.7	State Water Resources Control Board, "Water Quality Control Policy on the Use and Disposal of Inland Waters Used for Powerplant Cooling", Resolution 75-58, adopted June 19, 1976), at 4-5	6/19/1976	State Water Resources Control Board	
6.8	"Evaluation of Dry Cooling for the Russell City Energy Center," Alex Prusi, P.E. (Calpine, Director of Engineering), October 22, 2009	10/22/2009	Alex Prusi, Calpine	
6.9	OSHA Technical Manual § III, Chapter. 7(V)	No date	OSHA	

<u>7.0</u>	<u>DIESEL FIREPUMP BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/SOURCE</u>	<u>RECIPIENT</u>
7.1	Product Information Sheets re Diesel Engines	Various	Various	
7.2	Appendix C: Firewater Pump Information	No date	URS	
7.3	Fact Sheet: Clean Air Nonroad Diesel Rule	May-04	U.S. EPA	
7.4	Letter from Daniel Donohue, ARB, to John Whitney, Clarke Fire Protection Products	3/30/2005	Daniel Donohue, ARB	John Whitney, Clarke Fire Protection Products

<u>7.0</u>	<u>DIESEL FIREPUMP BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
7.5	Final Regulation Order: Amendments to the Airborne Toxic Control Measure for Stationary Compression Ignition Engines (amending 17 CCR section 93115)	10/18/2007	ARB	
7.6	Various State and Federal Regulatory Requirements Applicable to Diesel Engines	Various	Various	

<u>8.0</u>	<u>GREENHOUSE GAS BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
8.1	Spreadsheet Comparing Power Plant Greenhouse Gas Emissions and Efficiency		Calpine	BAAQMD
8.2	Notes and attachment re: General Emission Factors for Source Code - C18X0189	12/3/2008		
8.3	Email message from K. Poloncarz, Calpine, to A. Crockett, BAAQMD, re GHG BACT Analysis	4/2/2009	K. Poloncarz	A. Crockett, BAAQMD
8.4	Table - Comparison of Plant Efficiency, 612.8 MW: FD2, FD3, G-Class and Flex 10 Configurations (and supporting calculations)	4/2/2009	A. Prusi, Calpine	BAAQMD
8.5	Table - Comparison of FD3 Plant Efficiency with and without Duct Burners (with supporting calculations)	4/2/2009	A. Prusi, Calpine	BAAQMD
8.6	Email from Kevin Poloncarz, Calpine to Alexander Crockett, BAAQMD re: Analysis of Additional Startup Data from Palomar Energy Center <i>etc.</i>	4/18/2009	Kevin Poloncarz, Calpine	Alexander Crockett, Esq., BAAQMD
8.7	Letter from R. Boschee, PG&E to C. Delaney, Calpine re: Calpine Russell City Energy Center, documenting variability in natural gas supply pressure	12/2/2008	R. Boschee, PG&E	C. Delaney, Calpine
8.8	Siemens Power Generation, Inc., "Guiding Principles for Conducting Site Performance Tests on Siemens Industrial Gas Turbine-Generator Sets", Doc. EC-93208-R10	7/15/2008	E. Hoyer, et al, Siemens Power Generation, Inc.	

<u>8.0</u>	<u>GREENHOUSE GAS BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
8.9	Siemens Power Generation, Inc., Service Bulletin 36803, "Combustion Turbine and Inspection Intervals", Rev. 10	10/7/2004	Siemens Power Generation, Inc.	
8.10	Russell City Energy Center Heat Balance Diagrams (with duct burners firing and without duct burners firing)		Calpine	
8.11	Table: Reclaimed Water Project - 2008, Final Clarifier			
8.12	City of Hayward Wastewater Treatment Facility TFSC Process Control Data, from Nov 1, 2008 to march 20, 2009	11/08-3/09	City of Hayward	
8.13	Project Description, Application for Certification, Victorville 2 Hybrid Power Project	2/28/2007	City of Victorville	CEC
8.14	Calpine, Application For Certification, Russell City Energy Center, Section 9 (Alternatives)	May-01	Calpine	CEC
8.15	Paper, "The Enhancement of Local Air Pollution by Urban CO2 Domes" (10/3/09 version, superceding earlier 4/3/09 version)	10/3/2009	Mark Z. Jacobson	
8.16	Report, "Framework for Evaluating Greenhouse Gas Implications of Natural Gas-Fired Power Plants In California"	May-09	MRW & Associates	CEC
8.17	Commission Decision, Russell City Energy Center, Application for Certification 01-AFC-7	Jul-02	CEC	
8.18	Final Commission Decision, Russell City Energy Center, Amendment No. 1, Application for Certification 01-AFC-7C	Oct-07	CEC	
8.19	"Air Emissions" fact summary, from www.epa.gov/cleanrgy/energy-and-you/affect/air-emissions.html		EPA	

<u>8.0</u>	<u>GREENHOUSE GAS BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
8.20	Documentation for Emission Default Factors in Joint Staff Proposal for an Electricity Retail Provider GHG Reporting Protocol	Jun-07	California Air Resources Board	
8.21	Paper, "Adaptation of the STG-6000G to a Dynamic Power Generation Market"	Dec-05	E. Bancalari & P. Chan, Siemens AG	
8.22	Press Release, GE's H System Gas Turbine Hits Project Milestone in Japan	Dec-07	GE Energy	
8.23	Article, <i>New, Efficient Industrial Gas Turbines Coming: Siemens, GE, Full Report</i>	Aug-08	Frank J. Bartos, Control Engineering	
8.24	Article, <i>The Hunt for 60%+ Thermal Efficiency</i>	Aug-08	Frank J. Bartos, Control Engineering	
8.25	Memorandum, <i>Inland Empire Energy Center Power Project (01-AFC-17C) Staff Analysis of Proposed Modifications to Change to GE 107H Combined-Cycle Systems, Increase Generation and Add Additional Laydown Areas</i>	Jun-05	Connie Bruins, CEC	
8.26	Article: <i>Largest Gas Turbine: 2838 Sensors, 90 GB Data Per Hour</i>	Feb-09	Frank J. Bartos, Control Engineering	
8.27	ASME, <i>Performance Test Code on Overall Plant Performance (PTC 46-1996)</i>	Oct-97	ASME	
8.28	Report, "Life Cycle Assessment of GHG Emissions from LNG and Coal Fired Generation Scenarios: Assumptions and Results"	Feb-09	Pace; Fairfax, VA	
8.29	Clarke JW6H-UF40 Fire Pump Driver Emission Data for California ATCM Tier 2, Rev. E	7/12/2007	Clarke Fire Protection Products	
8.30	Cummins CFP11E-F10 Fire Pump Driver, California ATCM Tier 2 Emission Data	8/26/2008	Cummins	

<u>8.0</u>	<u>GREENHOUSE GAS BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
8.31	Deutz DFP6 1013 C25 fire protection engine, EPA Tier 2/CARB Technical Data Sheet	4/1/2008	Deutz Fire Protection	
8.32	Instruction Manual - Type HGF 1012/1014 (SF ₆ Circuit Breaker)	Oct-99	Alstom, USA	
8.33	Paper, <i>SF₆ Leak Rates from High Voltage Circuit Breakers – U.S. EPA Investigates Potential Greenhouse Gas Emissions Source</i>	Jun-06	J. Blackman, USEPA, et al.	
8.34	Letter From David Mehl, CARB re Sulfur Hexafluoride (SF ₆) Emissions Survey for the Electricity Sector and Particle Accelerator Operators	Jan-09	David Mehl, Manager, Energy Section, California Air Resources Board	
8.35	NIST Technical Note 1425: <i>Gases for Electrical Insulation and Arc Interruption: Possible Present and Future Alternatives to Pure SF₆</i>	Nov-97	L. G. Christophorou, J.K. Olthoff, D.S. Green, National Institute of Standards & Technology	
8.36	SF ₆ Emission Reduction Partnership for Electric Power Systems, 2007 Annual Report	Dec-08	US EPA	
8.37	Siemens TechTopics no. 53, <i>Use of SF₆ Gas in Medium Voltage Switchgear</i>	Jun-05	Siemens Power Transmission & Distribution, Inc.	
8.38	<i>Technology Options for the Near & Long Term, Section 4.3.5 "Electric Power Systems and Magnesium: Substitutes for SF₆"</i>	Nov-03	US Climate Change Technology Program	
8.39	Email message from Tony Conte, Sr. Account Manager, ABB, re 230 kV Circuit Breaker SF ₆ Leakage Rate	Apr-09	Tony Conte, Sr. Account Manager, ABB	

<u>8.0</u>	<u>GREENHOUSE GAS BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
8.40	Email message from Jason Cunningham, Regional Sales Manager, HVB AE Power Systems, Inc., re 230 kV SF6 Leak Rate Guarantee	Apr-09	Jason Cunningham, Regional Sales Manager, HVB AE Power Systems, Inc.	
8.41	Palmdale Hybrid Power Project, Application for Certification (July 2008) (Excerpts)	Jul-08	CEC	
8.42	California Energy Commission, Ivanpah Solar Electric Generating System (Docket No. 07-AFC-5)		CEC	
8.43	Carrizo Energy Solar Farm Power Plant Licensing Case (Docket No. 07-AFC-8)		CEC	
8.44	California Energy Commission, Beacon Solar Energy Project (Docket No. 08-AFC-2)		CEC	
8.45	City of Hayward, Water Pollution Control Facility, 1,000 kW Photovoltaic Renewable Energy Project, Environmental Initial Study/Draft Mitigated Negative Declaration (Sept. 2009)	Sep-09	City of Hayward	
8.46	EPA's Interpretation of Regulations that Determine Pollutants Covered by Federal Prevention of Significant Deterioration (PSD) Permit Program	Dec-08	Stephen L. Johnson, EPA	
8.47	U.S. Department of Energy, Carbon Sequestration Regional Partnerships	No date	U.S. Dept. of Energy	
8.48	Geologic Carbon Sequestration Strategies for California, CEC Systems Office Report to the Legislature (2008)	Feb-08	Elizabeth Burton, <i>et al.</i>	
8.49	Article "Informing Policy Development for Geologic Carbon Sequestration in California"	2009	Elizabeth Burton, <i>et al.</i>	
8.50	Factsheet for Partnership Field Validation Test	No date	WESTCARB	
8.51	Hydrogen Energy California Project (www.hydrogenenergycalifornia.com/default.aspx?pageid=1)			

<u>8.0</u>	<u>GREENHOUSE GAS BACT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
8.52	Hydrogen Energy California Power Plant Licensing Case (08-AFC-08), available at: www.energy.ca.gov/sitingcases/hydrogen_energy/index.htm		CEC	
8.53	Revised Application for Certification for Hydrogen Energy California, Vol. 1 (May 2009) (Excerpt)	May-09	URS	
8.54	Article "A Bid to Cut Emissions Looks Away From Coal", New York Times, October 31, 2009	Nov-09	Matthew L. Wald	
8.55	California Energy Commission, "Staff Workshop, West Coast Regional Carbon Sequestration Partnership (WESTCARB): Assessment of Natural Gas Combined Cycle (NGCC Plants with CO2 Capture and Storage"	1/14/2010	CEC	
8.56	Article, "Algae Automation", Machine Design (March 3, 2009)	3/3/2009	Leland E. Teschler	
8.57	California Energy Commission, Final Commission Decision, Avenal Energy, Application for Certification (08-AFC-01), Kings County (Dec. 16, 2009)	Dec-09	CEC	
8.58	Email from Alex Prusi, PE (Director of Engineering, Calpine) to Dan Ewan (Project Director, Calpine), October 2, 2009.	Oct-09	Alex Prusi, Calpine	Dan Ewan, Calpine
8.59	IEC Standard 62271-1, Edition 1.0 2007-10	Jun-07	International Electrotechnical Commission (IEC)	
8.60	CARB Regulations for the Mandatory Reporting of GHG Emissions		California Air Resources Board	
8.62	Prevention of Significant Deterioration (PSD): Reconsideration of Interpretation of Regulations That Determine Pollutants Covered by the Federal PSD Permit Program, Proposed Rule, 74 Fed. Reg. 51,535 (Oct. 7, 2009)	Nov-09	EPA	
<u>9.0</u>	<u>PSD AIR QUALITY IMPACT ANALYSIS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>

<u>9.0</u>	<u>PSD AIR QUALITY IMPACT ANALYSIS</u>	<u>DATE</u>	<u>AUTHOR/SOURCE</u>	<u>RECIPIENT</u>
9.1	Petition for Reconsideration in the matter of: Final Rule Published at 73 Fed. Reg. 28321 (May 16, 2008), entitled "Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM2.5)," Docket No. EPA-HQ-OAR-2003-0062, RIN 2060-AN86	No date	Natural Resources Defense Fund and Sierra Club	Administrator, US EPA
9.2	Letter from Lisa P. Jackson, EPA to Paul Cort, Earthjustice	4/24/2009	Lisa P. Jackson, EPA	Paul Cort, Earthjustice
9.3	Memorandum from Kevin Poloncarz, Calpine to Alexander Crockett, BAAQMD, re: Russell City Energy Center. Response to US EPA Administrator Lisa Jackson's April 24, 2009 decision to reconsider petition concerning PM2.5	5/1/2009	Kevin Poloncarz, Calpine	Alexander Crockett, Esq., BAAQMD
9.4	EPA Presentation Slides for "PM2.5 Final NSR Implementation Rule" prepared by Raj Rao, NSRG	5/14/2008	Raj Rao, NSRG	
9.5	EPA Presentation Slides for "Draft Modeling Protocol for PM2.5" prepared for Regional/State/Local Modeler's Workshop, Philadelphia, May 2009	May-09	EPA	Regional/State/Local Modeler's Workshop
9.6	Fact Sheet: Final Rule on the Implementation of the New Source Review Provisions for Particulate Matter Less Than 2.5 Microns (PM2.5)	No date	EPA	
9.7	Memorandum from Glen Long, BAAQMD to Weyman Lee, BAAQMD, re: Russell City Energy Center, Permit Application #15487	2/7/2007	Glen Long, BAAQMD	Weyman Lee, BAAQMD
9.8	Memorandum from Glen Long, BAAQMD to Weyman Lee, BAAQMD, re: Russell City Energy Center, Permit Application #15487 (with updated AERMOD Modeling Assessment)	12/8/2008	Glen Long, BAAQMD	Weyman Lee, BAAQMD
9.9	Memorandum from Glen Long, BAAQMD to Weyman Lee, BAAQMD, re: PSD PM2.5 Air Quality Impacts Analysis for Russell City Energy Center, Permit Application #15487	7/27/2009	Glen Long, BAAQMD	Weyman Lee, BAAQMD

<u>9.0</u>	<u>PSD AIR QUALITY IMPACT ANALYSIS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
9.10	Russell City Energy Center Modeling Files (CD)	7/29/2009	Glen Long, BAAQMD	
9.11	Amendment No. 1 prepared by Russell City Energy Company, LLC, submitted to the California Energy Commission for the Russell City Energy Center (01-AFC-7): Chapter 3.2 Biological Resources	Nov-06	Russell City Energy Company, LLC	CEC
9.12	Letter from Barbara McBride, Calpine to Dr. Anita Lee, US EPA Region 9 re: Russell City Energy Center PSD/ESA	2/20/2009	Barbara McBride, Calpine	Anita Lee, US EPA Region 9
9.13	Memorandum prepared by Craig Williams, CH2MHILL, for Barbara McBride, Calpine: Russell Energy Center: Nitrogen Deposition at East Bay Regional Parks	2/19/2009	Craig Williams, CH2MHILL	Barbara McBride, Calpine
9.14	Cover Letter from Kevin Poloncarz, Calpine to Dr. Anita Lee, US EPA Region 9 re: Russell City Energy Center PSD/ESA	2/25/2009	Kevin Poloncarz, Calpine	Anita Lee, US EPA Region 9
9.15	Memorandum prepared by Craig Williams, CH2MHILL, for Barbara McBride, Calpine: Russell Energy Center: Nitrogen Deposition at East Bay Regional Parks	2/24/2009	Craig Williams, CH2MHILL	Barbara McBride, Calpine
9.16	EPA Analysis of PG&E Reconductoring Projects - Russell City Energy Center	No date	EPA	
9.17	Memorandum from Douglas Davy, CH2MHILL, to Barbara McBride, Calpine: Russell City Energy Center Operational Noise Levels at the Hayward Shoreline Regional Park	4/3/2009	Douglas Davy, CH2MHILL	Barbara McBride, Calpine

<u>9.0</u>	<u>PSD AIR QUALITY IMPACT ANALYSIS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
9.18	Letter from Gerardo Rios, EPA Region 9, to Ryan Olah, US Fish and Wildlife Service, re: Additional Information for Informal Consultation under Section 7 of the Federal Endangered Species Act for the Proposed Russell City Energy Center - Hayward, CA	6/1/2009	Gerardo Rios, EPA Region 9	Ryan Oh, US Fish and Wildlife Service
9.19	Document: Positional Modeling Results from the Russell City Energy Center Operation Critical Habitat Areas			
9.20	Revised Document prepared by Atmospheric Dynamics, Inc. for Russell City Energy Company, LLC: PM2.5 PSD Source Impact Analysis	7/30/2009	Atmospheric Dynamics, Inc.	Russell City Energy Company, LLC
9.21	CD: AERMOD Nitrogen Deposition Input/Output Files		Atmospheric Dynamics, Inc.	BAAQMD
9.22	Memorandum from T. Underwood, BAAQMD, to B. Lusher, BAAQMD: Outside Test NTV-617, January 4 through 14, 2009 source test of S-41, and Outside Test NTV-618, January 6 through 14, 2009 source test of S-43	2/20/2009	T. Underwood, BAAQMD	B. Lusher, BAAQMD
9.23	Email from Barbara McBride, Calpine to Weyman Lee, BAAQMD, re: SAM Source Test Method	11/11/2009	Barbara McBride, Calpine	Weyman Lee, BAAQMD
9.24	Spreadsheet: Calculation of Sulfuric Acid Mist Emissions for the RCEC	No date	Weyman Lee, BAAQMD	
9.25	Russell City Energy Center Modeling Files; Summary of Air Quality Impact Analysis for PM2.5 From the Russell City Energy Center, attached to Memorandum from Glen Long to Weyman Lee, July 27, 2009	7/27/2009		

<u>9.0</u>	<u>PSD AIR QUALITY IMPACT ANALYSIS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
9.26	Glen Long 10/7/09 email, comparing PM2.5 (24-hour) at San Francisco-Arkansas Street and Fremont, showing Fremont at 29 µg/m3 background level and San Francisco at a 26 µg/m3 background level.	10/7/2009	Glen Long, BAAQMD	
9.27	Summary of Air Quality Impact Analysis for The Russell City Energy Center Memorandum, attached to Memorandum from Glen Long to Weyman Lee, November 6, 2008, subject: Russell City Energy Center, Permit Application # 15487	11/6/2008	Glen Long, BAAQMD	Weyman Lee, BAAQMD
9.30	NESCAUM Technical Guidance on Significant Impact Levels (SILs) for PM2.5 Revised NESCAUM Permit Modeling Committee, December 8, 2006	12/8/2006	NESCAUM	
9.31	CTDEP Interim PM2.5 New Source Review Modeling Policy and Procedures, Gina McCarthy, Commissioner, Connecticut Department of Environmental Protection, issued August 21, 2007, restated February 11, 2009	2/11/2009	Connecticut Department of Environmental Protection	
9.32	Interim Permitting and Modeling Procedures for Sources Emitting between 10-100 Tons per Year of PM2.5 (Fine Particulate) (Revised to include 2008 PM2.5 Monitoring Data), State of New Jersey, Department of Environmental Protection, Division of Air Quality, March 17, 2009	3/17/2009	State of New Jersey, Department of Environmental Protection, Division of Air Quality	
9.33	Letter, NESCAUM, to Docket ID No. EPA-HQ-OAR-2006-0605, Re: NESCAUM Comments on EPA's Proposed Rule: Prevention of Significant Deterioration (PSD) for Particulate Matter Less Than 2.5 Micrometers (PM2.5)-Increments, Significant Impact Levels (SILs) and Significant Monitoring Concentration (SMC). 72 Federal Register 54111, September 21, 2007, December 13, 2007	12/13/2009	NESCAUM	EPA
9.34	Letter from National Association of Clean Air Agencies to U.S. EPA Air and Radiation Docket, Re: Docket ID: EPA-HQ-OAR-2006-0605, January 17, 2008	1/17/2008	National Association of Clean Air Agencies	EPA
9.35	New Source Review: PM2.5 NSR Rules, Region 4 Modelers' Conference, March 17, 2009	3/17/2009		

<u>9.0</u>	<u>PSD AIR QUALITY IMPACT ANALYSIS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
9.36	Memorandum from G. Darvin (Atmospheric Dynamics) to G. Long (Bay Area Air Quality Management District), September 28, 2009.	9/1/2009	Gregory Darvin, Atmospheric Dynamics	Glen Long, BAAQMD
9.37	Summary of CALPUFF Class I Modeling Analysis Results, prepared by Greg Darvin, Atmospheric Dynamics, October 14, 2009	10/14/2009	Gregory Darvin, Atmospheric Dynamics	
9.38	U.S. Department of the Interior, National Park Service, alphabetical listing of all Fish and Wildlife Service Class I areas at: www.nature.nps.gov/air/Maps/FWSTextList.cfm		U.S. Department of the Interior, National Park Service	
9.39	Mandatory Class I Areas		EPA	
9.41	Letter from Barbara McBride (Calpine) to Anita Lee, PhD (EPA), February 20, 2009	2/20/2009	Barbara McBride, Calpine	Anita Lee, US EPA Region 9
9.42	Memorandum, Gregory Darvin, Atmospheric Dynamics, Inc., to Barbara McBride, Calpine, "RCEC Nitrogen Deposition Modeling", April 13, 2009	4/13/2009	Gregory Darvin, Atmospheric Dynamics	Barbara McBride, Calpine
9.43	Air Quality Criteria for Carbon Monoxide, EPA 600/P-99/001F June 2000	Jun-00	EPA	
9.44	Prevention of Significant Deterioration (PSD) for Particulate Matter Less than 2.5 Micrometers (PM2.5) - Increments, Significant Impact Levels (SILs) and Significant Monitoring Concentration (SMC); Proposed Rule, 72 Fed. Reg. 54122-01 (September 21, 2007)	9/21/2007		
9.45	Letter from Gerardo Rios, EPA Region 9, to Ryan Olah, US Fish and Wildlife Service, SUBJECT: Additional Information for Informal Consultation under Section 7 of the Federal Endangered Species Act for the Proposed Russell City Energy Center - Hayward, CA	1/15/2010	Gerardo Rios, EPA Region 9	Ryan Olah, US Fish and Wildlife Service
9.46	2008 Air Monitoring Network Plan, submitted by the Air District to EPA on July 1, 2009	7/1/2009	Dick Duker, <i>et al.</i> , BAAQMD	EPA
9.47	Memorandum regarding Shoreline Fumigation (attached with email from G. Long to A. Crockett, Dec. 10, 2009)	12/10/2009	G. Long, BAAQMD	

<u>9.0</u>	<u>PSD AIR QUALITY IMPACT ANALYSIS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
9.48	CD: Additional Modeling Files (PM2.5 AERMOD Modeling Run, CALPUFF Class I Area Impact Modeling)	3/5/2010	BAAQMD	

<u>10.0</u>	<u>HEALTH RISK ASSESSMENT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
10.1	Memorandum from Glen Long, BAAQMD to Weyman Lee, BAAQMD, re: Results of Health Risk Screening Analysis for Russell City Energy Center, Plant #18136, Application #15487	2/28/2007	Glen Long, BAAQMD	Weyman Lee, BAAQMD
10.2	Memorandum from Glen Long, BAAQMD to Weyman Lee, BAAQMD, re: RCEC Aircraft Impacts with attachment: Hayward Executive Airport Location	3/12/2009	Glen Long, BAAQMD	Weyman Lee, BAAQMD
10.3	Table of California Air Toxics Emission Factors (CATEF) for turbines, printed on 2/21/07		California Air Resources Board	
10.4	Table of California Air Toxics Emission Factors (CATEF) for Engines, printed on 2/21/07		California Air Resources Board	
10.5	Telephone note, re: call with Glen Long, BAAQMD, using emission factors for toxic emissions	2/21/2007	Weyman Lee, BAAQMD	
10.6	Excerpt from CEC Final Staff Assessment for the Carlsbad Energy Center: Section 4: Public Health	April 2009	California Energy Commission	
10.7	Appendix B: Rule 1200 Health Risk Assessment Report (for the Supplemental Health Risk Assessment for the Carlsbad Energy Center Project)	No date	San Diego Air Pollution Control District	
10.8	Spreadsheet: DEC_U2_FD2_Cold_Start-up	No date	Calpine	
10.9	Paper, Supplemental HRA for Cold Start-up Operations (for RCEC)	No date	Weyman Lee, BAAQMD	
10.10	Memorandum from Weyman Lee, BAAQMD to Glen Long, BAAQMD, re: Request for Toxic Risk Screening for Permit Application #15487, Russell City Energy Center, Plant #18136	10/2/2009	Weyman Lee, BAAQMD	Glen Long, BAAQMD

<u>10.0</u>	<u>HEALTH RISK ASSESSMENT ISSUES</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
10.11	Memorandum from Glen Long, BAAQMD to Weyman Lee, BAAQMD, re: Results of Health Risk Screening Analysis for startup and shutdown emissions at the Russell City Energy Center, Plant #18136, Application #15487	11/17/2009	Glen Long, BAAQMD	Weyman Lee, BAAQMD
10.12	Email from Weyman Lee, BAAQMD to Glen Long, BAAQMD	12/10/2009	Weyman Lee, BAAQMD	Glen Long, BAAQMD
10.13	Memorandum from Glen Long, BAAQMD to Weyman Lee, BAAQMD, re: Results of Health Risk Screening Analysis for startup and shutdown emissions at the Russell City Energy Center, Plant #18136, Application #15487	12/14/2009	Glen Long, BAAQMD	Weyman Lee, BAAQMD

<u>11.0</u>	<u>ENDANGERED SPECIES ACT CONSULTATION</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
11.1	Email from Anita Lee, US Environmental Protection Agency to Barry Young, BAAQMD, re: Russell City Energy PSD Permit	1/12/2009	Anita Lee, US Environmental Protection Agency	Barry Young, BAAQMD
11.2	Letter from Weyman Lee, BAAQMD to Jan Knight, US Fish and Wildlife Service, re: Consultation regarding Section 7 of the Endangered Species Act	9/24/2008	Weyman Lee, BAAQMD	Jan Knight, US Fish and Wildlife Service
11.3	Letter from Weyman Lee, BAAQMD to Don Neubacher, Pt Reyes National Seashore, re: Consultation regarding Section 7 of the Endangered Species Act	9/24/2008	Weyman Lee, BAAQMD	Don Neubacher, Pt Reyes National Seashore
11.4	Letter from Weyman Lee, BAAQMD to Sheheerah Kelly, US EPA Region 9, re: Consultation regarding Section 7 of the Endangered Species Act	9/24/2008	Weyman Lee, BAAQMD	Sheheerah Kelly, US EPA Region 9
11.5	Letter from Barbara McBride, Calpine to Weyman Lee, BAAQMD, re: Submission of Supplement to Russell City Energy Center's Application for Prevention of Significant Deterioration Permit to Require Approval of Certain Construction Plans by US Fish and Wildlife Service	6/26/2009	Barbara McBride, Calpine	Weyman Lee, BAAQMD

<u>11.0</u>	<u>ENDANGERED SPECIES ACT CONSULTATION</u>	<u>DATE</u>	<u>AUTHOR/SOURCE</u>	<u>RECIPIENT</u>
11.6	Letter from Barbara McBride, Calpine to Carol Severin, et al, HASPA, re: Response to comments of Hayward Area Shoreline Planning Agency (HSPA) on Proposed Prevention of Significant Deterioration (PSD) Permit for Russell City Energy Center	6/26/2009	Barbara McBride, Calpine	HASPA
11.7	Map of Modeled Nitrogen Deposition for the Hayward Shoreline Regional Park	No date	Atmospheric Dynamics, Inc.	HASPA
11.8	Letter from Don Neubacher, United States Department of the Interior, National Park Service, to Weyman Lee, BAAQMD	9/15/2009	Don Neubacher, United States Department of the Interior, National Park Service	Weyman Lee, BAAQMD
11.9	Letter from Kevin Poloncarz, Bingham McCutchen, LLP, to Margaret Alkon, USEPA, Region 9, re: Russell City Energy Center: Exclusion of Laydown Area 5 from Project and Application for Prevention of Significant Deterioration Permit	12/9/2009	Kevin Poloncarz, Bingham McCutchen, LLP	Margaret Alkon, USEPA, Region 9
11.10	Letter from Jane Hicks, Department of the Army, San Francisco District, Army Corps of Engineers, to Ryan Olah, Endangered Species Division, US Fish and Wildlife Service, re: File Number 2009-00442S	No date	Jane Hicks, Department of the Army, San Francisco District, Army Corps of Engineers	Ryan Olah, Endangered Species Division, US Fish and Wildlife Service
11.11	Letter from Gerardo C. Rios, Chief, Permits Office, U.S. EPA to Ryan Olah, Chief, Endangered Species Division, U.S. Fish and Wildlife Service, subject: Request for Informal Consultation under Section 7 of the Endangered Species Act for the Proposed Russell City Energy Center - Hayward California	6/11/2007	Gerardo C. Rios, Chief, Permits Office, U.S. EPA	Ryan Olah, Chief, Endangered Species Division, U.S. Fish and Wildlife Service
11.12	Letter from Jane Hicks, Department of the Army, San Francisco District, Army Corps of Engineers, to Ryan Olah, Endangered Species Division, US Fish and Wildlife Service, re: File Number 2009-00441S	No date	Jane Hicks, Department of the Army, San Francisco District, Army Corps of Engineers	Ryan Olah, Endangered Species Division, US Fish and Wildlife Service

<u>11.0</u>	<u>ENDANGERED SPECIES ACT CONSULTATION</u>	<u>DATE</u>	<u>AUTHOR/SOURCE</u>	<u>RECIPIENT</u>
11.13	Figure: Modeled Nitrogen Deposition, Hayward Shoreline Regional Park, Russell City Energy Center	6/16/2009	CH2M Hill	
11.14	Technical Memorandum, Biological Site Assessment for Russell City Energy Center Amendment No. 2 -- Addition of Construction Laydown/Parking Areas	12/11/2009	Danielle Tannourji, CH2M Hill	Barbara McBride, Calpine
11.15	Letter, from Gerardo C. Rios, Chief, Permits Office, Air Division, EPA Region 9, to Barry Young, BAAQMD, Subject: Section 7 Endangered Species Act Consultation for the Proposed Russell City Energy Center -- Hayward, California	1/28/2010	Gerardo C. Rios, Chief, Permits Office, U.S. EPA	Barry Young, BAAQMD
11.16	Letter, from Cay C. Goude, Assistant Field Supervisor, U.S. Fish and Wildlife Service, Sacramento Fish and Wildlife Office, to Gerardo C. Rios, Chief Region 9 Air Permits Office, Subject: Endangered Species Informal Consultation on the Proposed Russell City Energy Center Project by Calpine/GE Capital; City of Hayward, Alameda County, California	1/25/2010	Cay C. Goude, Assistant Field Supervisor, U.S. Fish and Wildlife Service, Sacramento Fish and Wildlife Office	Gerardo C. Rios, Chief, Permits Office, U.S. EPA
11.17	Technical Assessment: Listed Species and Nitrogen Deposition from the Russell city Energy Center	1/11/2010	Thomas C. Maurer, Chief, Investigations and Prevention Branch, Sacramento Fish and Wildlife Office, U.S. Fish and Wildlife Service	U.S. Fish and Wildlife Service

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/SOURCE</u>	<u>RECIPIENT</u>
12.1	Project Fact Sheet: Russell City Energy Center (Hayward, CA)		BAAQMD	

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.2	Notice of Public Hearing and Notice Inviting Written Public Comment on Proposed Air Quality Permit for the Russell City Energy Center, Hayward, CA (with revised address)		BAAQMD	
12.3	[Duplicate] Project Fact Sheet: Russell City Energy Center (Hayward, CA)		BAAQMD	
12.4	Statement of Basis for Draft Amended Federal "Prevention of Significant Deterioration" Permit: Russell City Energy Center	12/8/2008	Weyman Lee, P.E., BAAQMD	
12.5	Russell City permitting status report to Board of Directors		BAAQMD	
12.6	40 CFR 124.7 - 124.9 (partial)		U.S. EPA	
12.7	[Original] Reporter's Transcript of Bay Area Air Quality Management District Public Comment Hearing Regarding The PSD Permit For The Russell City Energy Center	9/2/2009	Reported by Brandon D. Combs, CSR, CRR	
12.8	[Copy] Reporter's Transcript of Bay Area Air Quality Management District Public Comment Hearing Regarding The PSD Permit For The Russell City Energy Center	9/2/2009	Reported by Brandon D. Combs, CSR, CRR	

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.9	Email from David Ruiz, Language Source, to Daniel Smith, BAAQMD, re: hearing 1-21-09 in Hayward, w/ copy of digital recording (CD)	1/23/2009	David Ruiz, Language Source	Daniel Smith, BAAQMD
12.10	[Original] Reporter's Transcript of Bay Area Air Quality Management District Public Comment Hearing Regarding The PSD Permit For The Russell City Energy Center	1/21/2009	Reported by Peter D. Torreano, CSR, CRR	
12.11	[Copy] Reporter's Transcript of Bay Area Air Quality Management District Public Comment Hearing Regarding The PSD Permit For The Russell City Energy Center	1/21/2009	Reported by Peter D. Torreano, CSR, CRR	
12.12	Hayward Daily Review, File #1654638, Proof of Publication for "Notice of Public Hearing-Permit for The Russell Energy Center" Permit Issues	8/3/2009	Hayward Daily Review	BAAQMD
12.13	Hayward Daily Review, File #1654643, Proof of Publication for "Public Hearing and Public Comment Opportunity For Russell City Energy" Permit Issues	8/1/2009	Hayward Daily Review	BAAQMD
12.14	Oakland Tribune, File #1654644, Proof of Publication for "Public Hearing and Public Comment Opportunity For Russell City Energy" Permit Issues	8/1/2009	Oakland Tribune	BAAQMD
12.15	El Mensajero Proof of Publication Proof of Publication for "Public Hearing and Public Comment Opportunity For Russell City Energy" Permit Issues	8/2/2009	El Mensajero	BAAQMD
12.16	San Francisco Chronicle Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	San Francisco Chronicle	BAAQMD
12.17	Santa Rosa Daily Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	Santa Rosa Daily	BAAQMD
12.18	Marin Independent Journal, #1408398, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	Marin Independent Journal	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.19	Napa Daily, Ad# 114516-01, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	Napa Daily	BAAQMD
12.20	San Jose Mercury News, Legal Ad #2900886, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	San Jose Mercury News	BAAQMD
12.21	Contra Costa Times, File #1742610, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	Contra Costa Times	BAAQMD
12.22	West County Times, File #1408394, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	West County Times	BAAQMD
12.23	San Mateo County Times, File #1408396, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	San Mateo County Times	BAAQMD
12.24	Tri-Valley Herald, File #1408376, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	Tri-Valley Herald	BAAQMD
12.25	Vacaville Reporter Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	Vacaville Reporter	BAAQMD
12.26	The Argus, File #1408373, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	The Argus	BAAQMD
12.27	The Benecia Herald and New ERA Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	The Benecia Herald and New ERA	BAAQMD
12.28	The Oakland Tribune, File #1400569, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	Oakland Tribune	BAAQMD
12.29	Hayward Daily Review, File #1400487, Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	Hayward Daily Review	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.30	San Francisco Daily Journal Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/19/2008	San Francisco Daily Journal	BAAQMD
12.31	Hayward Daily Review Proof of Publication, File #1485888 in the matter of Notice Inviting Written Public Comment (for the Prevention of Significant Deterioration Permit)	12/15/2008	Hayward Daily Review	BAAQMD
12.32	Hayward Daily Review Proof of Publication, File #1488754 in the matter of Notice Inviting Written Public Comment (for the Prevention of Significant Deterioration Permit)	12/18/2008	Hayward Daily Review	BAAQMD
12.33	Oakland Tribune Proof of Publication, File #1485873 in the matter of Notice Inviting Written Public Comment (for the Prevention of Significant Deterioration Permit)	12/15/2008	Oakland Tribune	BAAQMD
12.34	Oakland Tribune Proof of Publication, File #1488758 in the matter of Notice Inviting Written Public Comment (for the Prevention of Significant Deterioration Permit)	12/18/2008	Oakland Tribune	BAAQMD
12.35	El Mensajero Proof of Publication in the matter of Notice Inviting Written Public Comment (for the Prevention of Significant Deterioration Permit)	Week of 12/21/08 to 12/27/08	El Mensajero	BAAQMD
12.36	The Recorder Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	8/15/2008	The Recorder (University of California at Berkeley Law)	BAAQMD
12.37	The Redwood Needles Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	October, 2008	The Redwood Needles (Sierra Club)	BAAQMD
12.38	The Sierra Club Yodeler Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	September – October, 2008	The Sierra Club Yodeler	BAAQMD
12.39	The Loma Prieta Proof of Publication for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues	September – October, 2008	The Loma Prieta (Sierra Club)	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.40	Oakland Tribune Proof of Publication File No. 1654632 in the matter of Notice of Public Hearing and Notice Inviting Written Comment on the ("Prevention of Significant Deterioration") Permit for the Russell City Energy Center	8/3/2009	The Oakland Tribune	BAAQMD
12.41	Hayward Daily Review Proof of Publication File No. 1654638 in the matter of Notice of Public Hearing and Notice Inviting Written Comment on the ("Prevention of Significant Deterioration") Permit for the Russell City Energy Center	8/3/2009	The Daily Review (Hayward)	BAAQMD
12.42	Oakland Tribune Proof of Publication File No. 1654632 in the matter of Notice of Public Hearing and Notice Inviting Written Comment on the ("Prevention of Significant Deterioration") Permit for the Russell City Energy Center	8/3/2009	The Oakland Tribune	BAAQMD
12.43	Audio Recording (CD) and Reporter's Transcript of Bay Area Air Quality Management District Public Comment Hearing Regarding the PSD Permit for the Russell City Energy Center	1/21/2009	BAAQMD	
12.45	Oakland Tribune Proof of Publication, File #1116419 in the matter of Notice Inviting Written Public Comment (for the Preliminary Determination of Compliance)	4/12/2007	Oakland Tribune	BAAQMD
12.46	Oakland Tribune Proof of Publication, File #1242140 in the matter of Notice of Final Action Public Comment (for the issuance of the Authority to Construct)	12/6/2007	Oakland Tribune	BAAQMD
12.47	Daily Review Proof of Publication, File #1513725: Notice of Extension of Public Comment Period	1/31/2009	Daily Review	BAAQMD
12.48	Order for Notice of Public Hearing and Writing Inviting Public Comment published in the Oakland Tribune on 12/15/08	12/9/2008	AdTech	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.49	Order for Notice of Public Hearing and Writing Inviting Public Comment published in the Daily Review on 12/15/08	12/9/2008	AdTech	BAAQMD
12.50	Order for Notice to Persons Interested in "Prevention of Significant Deterioration" Permit Issues published in the Contra Costa Times on 6/12/08	6/9/2008	AdTech	BAAQMD
12.51	BAAQMD Russell City Energy Center PSD List for Agencies	No date	BAAQMD	
12.52	BAAQMD Russell City Energy Center PSD List for Mailing	No date	BAAQMD	
12.53	BAAQMD Russell City Energy Center PSD List for Non-Agencies	No date	BAAQMD	
12.54	Comments on Proposed PSD Permit (First Comment Period) (File 1 of 2)			
12.54.1	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	12-08-08	Anthony Sapiga	BAAQMD
12.54.2	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	12-09-08	Connie Jordan	BAAQMD
12.54.3	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	12-10-08	Karen Kramer	BAAQMD
12.54.4	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	12-12-08	John Ledford	BAAQMD
12.54.5	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	12-17-08	Rob Simpson	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.54.6	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	12-27-08	Evelyn Cormier, President; Ohlone Audubon Society	BAAQMD
12.54.7	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	12-29-08	Carol Severin, Chair; Hayward Area Shoreline Planning Agency	BAAQMD
12.54.8	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-07-09	Dennis Thomas	BAAQMD
12.54.9	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-09-09	Crystal Porter	BAAQMD
12.54.10	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-09-09	Maureen Barrett, Aero Engineering	BAAQMD
12.54.11	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-14-09	Juanita Gutierrez	BAAQMD
12.54.12	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-14-09	Audrey LePell	BAAQMD
12.54.13	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-17-09	Doug Kirk, Fuel Tech	BAAQMD
12.54.14	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-19-09	Mary Ann McMillan, San Lorenzo Heritage Society	BAAQMD
12.54.15	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-21-09	Anthony Iton, Alameda County Public Health Department	BAAQMD
12.54.16	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-21-09	John Collins, Manager; Aircraft Owners & Pilots Association (AOPA)	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.54.17	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-21-09	Onsale	BAAQMD
12.54.18	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-21-09	Chuck Rayburn	BAAQMD
12.54.19	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-21-09	Alan Franke, Board; Skywest Homeowners Association/	BAAQMD
12.54.20	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-21-09	Anna Torres	BAAQMD
12.54.21	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-21-09	Diane Zuliani, Chabot College Instructor	BAAQMD
12.54.22	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-22-09	Mike Perlmutter, Bay Area Conservation Coordinator; Audubon California	BAAQMD
12.54.23	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-22-09	Paul Cort, Staff Attorney; Earthjustice	BAAQMD
12.54.24	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-22-09	Walter Jew	BAAQMD
12.54.25	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-22-09	Renee Ananda, Port Associate Environmental Planner; Port of Oakland	BAAQMD
12.54.26	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-22-09	Sierra Club	BAAQMD
12.54.27	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-22-09	Mathias van Thiel	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.54.28	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-23-09	Debra Weiss	BAAQMD
12.54.29	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-27-09	Patrick Turney	BAAQMD
12.54.30	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-28-09	Judi Khan	BAAQMD
12.54.31	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-28-09	Mariann Sanford	BAAQMD
12.54.32	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1/28/09	James & Janet Whitaker	BAAQMD
12.54.33	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	1-30-09	Jim & Carolyn Millet	BAAQMD
12.54.34	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-01-09	Dennis & Joan Dubose	BAAQMD
12.54.35	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-01-09	Doug Grandt	BAAQMD
12.54.36	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-03-09	Minane Jameson, Hayward Area Shoreline Planning Agency	BAAQMD
12.54.37	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-03-09	Jay Jelinic	BAAQMD
12.54.38	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-03-09	Barbara Stilwell	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.54.39	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-04-09	Karen Pierce, Bayview Hunters Point Community Advocates	BAAQMD
12.54.40	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-04-09	Fadi Dib	BAAQMD
12.54.41	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-05-09	Audrey LePell, Citizens Against Pollution	BAAQMD
12.54.42	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-05-09	Citizenas Against Pollution & Environmental Law & Justice Clinic	BAAQMD
12.54.43	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-05-09	Rob Simpson, Californians for Renewable Energy	BAAQMD
12.54.44	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	California Pilots Association	BAAQMD
12.54.45	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Florence LaRiviere, Citizens Committee to Complete the Refuge	BAAQMD
12.54.46	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Larry Tong, California Native Plant Society	BAAQMD
12.54.47	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Shana Lazerow, Communities for a Better Environment	BAAQMD
12.54.48	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Congressman Pete Stark	BAAQMD
12.54.49	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Devine Family	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.54.50	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Brian Holt, East Bay Regional Parks	BAAQMD
12.54.51	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Rob Simpson, Hayward Area Planning Association	BAAQMD
12.54.52	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	John McCarthy	BAAQMD
12.54.53	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Robert Sarvey	BAAQMD
12.54.54	Comment on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Rob Simpson	BAAQMD
12.54.55	Comment (Petition) on Proposed PSD Permit for Comment Period that ended on 2/6/09.	2-06-09	Rob Simpson	BAAQMD
12.54.56	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Dr. Joel Kinnamon	BAAQMD
12.54.57	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Alan Goggins	BAAQMD
12.54.58	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Gail Steele	BAAQMD
12.54.59	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Joel Bucklin	BAAQMD
12.54.60	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Ronald Alderman	BAAQMD

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12.54.61	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Andrea Furtado	BAAQMD
12.54.62	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Audrey Lepell	BAAQMD
12.54.63	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Bradley Angel	BAAQMD
12.54.64	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Juanita Gutierrez	BAAQMD
12.54.65	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	JoAnne Gross	BAAQMD
12.54.66	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Barbara Fields	BAAQMD
12.54.67	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Carlos Cordero	BAAQMD
12.54.68	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Ron Mahood	BAAQMD
12.54.69	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Michael Toth	BAAQMD
12.54.70	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Al Murdach	BAAQMD
12.54.71	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	David Fouquet	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.54.72	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	J.V McCarthy	BAAQMD
12.54.73	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Jeffrey Bui	BAAQMD
12.54.74	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Mel Switzer	BAAQMD
12.54.75	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Dominic Younan	BAAQMD
12.54.76	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Wafaa Aborashed	BAAQMD
12.54.77	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Mark Torres	BAAQMD
12.54.78	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Krishneel Lall	BAAQMD
12.54.79	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Professor Laurie Price	BAAQMD
12.54.80	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Suzanne Barba	BAAQMD
12.54.81	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Doug Ligibel	BAAQMD
12.54.82	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Dr. Susan Sperling	BAAQMD

<u>12.0</u>	<u>PUBLIC NOTICE AND COMMENT PROCESS</u>	<u>DATE</u>	<u>AUTHOR/ SOURCE</u>	<u>RECIPIENT</u>
12.54.83	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Frank Goulart	BAAQMD
12.54.84	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Rob Simpson	BAAQMD
12.54.85	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Bob Williams	BAAQMD
12.54.86	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Sherman Lewis	BAAQMD
12.54.87	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Andy Wilson	BAAQMD
12.54.88	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Laura Baker	BAAQMD
12.54.89	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Karen Kramer	BAAQMD
12.54.90	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	James Manibog	BAAQMD
12.54.91	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Larry Alba	BAAQMD
12.54.92	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Dan Hennques	BAAQMD
12.54.93	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Betty Moose	BAAQMD

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12.54.94	Speaker Card submitted at the 1/21/09 Public Hearing requesting opportunity to present oral testimony	1/21/09	Elizabeth DiGrazia	BAAQMD
12.55	Comments on Proposed PSD Permit (First Comment Period) (File 2 of 2) All comments in File 2 are listed above under File 1, Section 12.54.			
12.56	Communications Received Outside of the Comment Period for the Proposed PSD Permit (First Comment Period)			
12.56.1	Communication on Proposed PSD Permit after Comment Period that ended on 2/6/09.	2-20-09	Hayward Chamber of Commerce	BAAQMD
12.56.2	Communication on Proposed PSD Permit after Comment Period that ended on 2/6/09.	3-13-09	Lynn Young	BAAQMD
12.56.3	Communication on Proposed PSD Permit after Comment Period that ended on 2/6/09.	3-31-09	Jewell Hargleroad, Chabot Las Positas College District	BAAQMD
12.56.4	Communication on Proposed PSD Permit after Comment Period that ended on 2/6/09.	4-07-09	Jewell Hargleroad, Chabot Las Positas College District/	BAAQMD
12.56.5	Communication on Proposed PSD Permit after Comment Period that ended on 2/6/09.	4-09-09	Laura Baker, California Native Plant Society	BAAQMD
12.56.6	Communication on Proposed PSD Permit after Comment Period that ended on 2/6/09.	4-30-09	Ernest Pacheco, Citizens Against Pollution	BAAQMD
12.57	Comments on Revised Proposed PSD Permit (Second Comment Period) (File 1 of 2)			
12.57.1	Comment on Revised Proposed PSD Permit for Comment Period that ended on 9/16/09.	8-02-09	Janet & Jim Whitaran	BAAQMD
12.57.2	Comment on Revised Proposed PSD Permit for Comment Period that ended on 9/16/09.	8-03-09	Ruan Frenette & Lance Nordstrom	BAAQMD