

Appendix E

ERCs Identified for possible use

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1078

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	3.66
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.02

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: Santa Paula NGA

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NO _x	PM10	SO _x
Final Deposit Electrify Texaco S Mtn Compressor Plant	9/16/1992	00053-151	5.91	7.13	0.40	0.02
Final Withdrawal ROC and NO _x balances discounted by 25%	9/16/1992	09999-RED	-1.48	-1.78	0.00	0.00
Final Withdrawal PM balance recalculated as PM10	9/16/1992	09999-PMR	0.00	0.00	-0.18	0.00
Final Withdrawal Transfer to Rockwell Certificate No 1119	9/8/1994	01119-TRN	-1.00	-1.00	0.00	0.00
Final Withdrawal Transfer to PTI Tech Certificate No 1120	2/15/1995	01120-TRN	-3.43	0.00	0.00	0.00

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Withdrawal Implementation of revised Rule 74.9	7/18/1997	01078-TAC	0.00	-0.69	0.00	0.00
Final Withdrawal Transfer to Pacific Custom Materials Inc	6/1/1998	01151-TRN	0.00	0.00	-0.22	0.00
Final Withdrawal Reliant Mandalay Unit 3 - 18 mo. Lease	7/1/2001	00013-230	0.00	-3.66	0.00	0.00
Final Withdrawal Return of ERC Lease from Reliant	12/31/2002	00013-231	0.00	3.66	0.00	0.00

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1079

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	0.72
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.01

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: Fillmore NGA

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Deposit Removal of engines at Texaco Shiells Cyn	9/16/1992	00054-191	6.08	5.67	0.19	0.01
Final Withdrawal ROC and NOx balances discounted by 25%	9/16/1992	09999-RED	-1.52	-1.42	0.00	0.00
Final Withdrawal PM balance recalculated as PM10	9/16/1992	09999-PMR	0.00	0.00	-0.08	0.00
Final Withdrawal Implementation of revised Rule 74.9	7/18/1997	01079-TAC	0.00	-3.53	0.00	0.00
Final Withdrawal Culbert Lease Well No. 53	10/13/1997	00056-311	-0.18	0.00	0.00	0.00

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NO_x	PM10	SO_x
Final Withdrawal Increase Culbert Lease Throughput	10/13/1997	00056-292	-1.72	0.00	0.00	0.00
Final Withdrawal Transfer to Nuevo Certificate No. 1149	3/24/1998	01149-TRN	-1.88	0.00	0.00	0.00
Final Withdrawal Transfer to Pacific Custom Materials Inc	6/1/1998	01151-TRN	0.00	0.00	-0.11	0.00
Final Withdrawal Transfer to Nuevo Certificate No. 1149	3/29/1999	01149-TRN	-0.78	0.00	0.00	0.00

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1080

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	0.17
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.00

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: Fillmore NGA

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Deposit Removal of engine at Texaco Bardsdale	9/16/1992	00055-101	0.95	1.58	0.03	0.00
Final Withdrawal ROC and NOx balances discounted by 25%	9/16/1992	09999-RED	-0.24	-0.40	0.00	0.00
Final Withdrawal PM balance recalculated as PM10	9/16/1992	09999-PMR	0.00	0.00	-0.01	0.00
Final Withdrawal Implementation of revised Rule 74.9	7/18/1997	01080-TAC	0.00	-1.01	0.00	0.00
Final Withdrawal Transfer to Pacific Custom Materials Inc	6/1/1998	01151-TRN	0.00	0.00	-0.02	0.00

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NO_x	PM10	SO_x
Final Withdrawal Transfer to Vintage ERC 1223	9/17/2012	01223-TRN	-0.71	0.00	0.00	0.00

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1083

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	0.22
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.01

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: Santa Paula NGA

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Deposit Removal of engine at Unocal Bridge	9/16/1992	00315-121	0.19	0.87	0.08	0.01
Final Withdrawal ROC and NOx balances discounted by 25%	9/16/1992	09999-RED	-0.05	-0.22	0.00	0.00
Final Withdrawal PM balance recalculated as PM10	9/16/1992	09999-PMR	0.00	0.00	-0.04	0.00
Final Withdrawal Permit existing paint/solvent/epoxy usag	7/20/1995	01340-121	-0.14	0.00	0.00	0.00
Final Withdrawal Increase natural gas consumption at 0146	10/17/1996	00146-141	0.00	-0.33	0.00	0.00

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NO_x	PM10	SO_x
Final Withdrawal Transfer to Reichhold Certificate 1136	1/21/1997	01136-TRN	0.00	-0.10	0.00	0.00
Final Withdrawal Transfer to Pacific Custom Materials Inc	6/1/1998	01151-TRN	0.00	0.00	-0.04	0.00

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1085

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	0.42
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.00

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: Fillmore NGA

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Deposit Electrify engines at T.B. Properties	9/16/1992	00050-121	1.72	0.56	0.00	0.00
Final Withdrawal ROC and NOx balances discounted by 25%	9/16/1992	09999-RED	-0.43	-0.14	0.00	0.00
Final Withdrawal Install New Crude Oil Storage Tank	10/13/1997	00056-341	-0.03	0.00	0.00	0.00
Final Withdrawal Transfer to Nuevo Certificate No. 1149	3/29/1999	01149-TRN	-1.26	0.00	0.00	0.00
Final Withdrawal Reliant Mandalay Unit 3 - 18 Mo. Lease	7/1/2001	00013-230	0.00	-0.28	0.00	0.00

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NO_x	PM10	SO_x
Final Withdrawal Return of ERC Lease from Reliant	12/31/2002	00013-231	0.00	0.28	0.00	0.00

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1091

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	6.41
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.03

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: Ventura (Ojai) GA

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Deposit Electrify engines at Texaco Gas Plant 7	5/19/1993	00020-251	20.68	15.39	0.26	0.03
Final Withdrawal Existing portable compressor	6/29/1995	00648-121	-0.01	-0.08	0.00	0.00
Final Withdrawal Implementation of revised Rule 74.9	7/18/1997	01091-TAC	0.00	-8.90	0.00	0.00
Final Withdrawal Transfer to Pacific Custom Materials Inc	6/1/1998	01151-TRN	0.00	0.00	-0.26	0.00
Final Withdrawal Reliant Mandalay Unit 3 -18 mo. Lease	7/1/2001	00013-230	0.00	-6.41	0.00	0.00

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Withdrawal Return of ERC Lease from Reliant	12/31/2002	00013-231	0.00	6.41	0.00	0.00
Final Withdrawal Transfer to Vintage ERC 1224	9/17/2012	01224-TRN	-20.67	0.00	0.00	0.00

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1092

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	23.24
Particulate Matter (PM10)	0.22
Sulfur Oxides	0.03

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: Camarillo NGA

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NO _x	PM10	SO _x
Final Deposit Electrify Engines at P.Valley Water Dist	5/19/1993	00001-121	3.14	111.12	0.22	0.03
Final Withdrawal Transfer to Amgen Certificate No. 1101	11/10/1993	01101-TRN	0.00	-15.00	0.00	0.00
Final Withdrawal Transfer to Dames & Moore Cert. No. 1106	2/16/1994	01106-TRN	0.00	-9.63	0.00	0.00
Final Withdrawal Transfer to Unocal Certificate No. 1118	8/11/1994	01118-TRN	-2.20	0.00	0.00	0.00
Final Withdrawal Transfer to PTI Tech Certificate No 1122	3/28/1995	01122-TRN	-0.94	0.00	0.00	0.00

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Withdrawal Increase incinerator rating	1/31/1996	01207-131	0.00	-0.10	0.00	0.00
Final Withdrawal Turbine Fuel Increase - Rule 74.23 Compl	5/19/1997	01494-151	0.00	-6.98	0.00	0.00
Final Withdrawal Turbine Fuel Increase - Rule 74.23 Compl	5/19/1997	01494-151	0.00	-1.02	0.00	0.00
Final Withdrawal Transfer to US Navy Certificate No. 1140	5/20/1997	01140-TRN	0.00	-0.15	0.00	0.00
Final Withdrawal 1 Year Lease to Boeing Fuel Tank Project	3/22/2000	00232-311	0.00	-17.00	0.00	0.00
Final Withdrawal 1 Year Lease to Manson Construction Co.	10/5/2000	01266-151	0.00	-18.14	0.00	0.00
Final Withdrawal 1 Year Lease - Boeing H2 Storage Project	8/28/2001	00232-331	0.00	-2.10	0.00	0.00
Final Withdrawal Return of ERC Lease - Boeing Fuel Tank	8/28/2001	00232-331	0.00	17.00	0.00	0.00
Final Withdrawal 1 Year Lease - Amgen Backup Generators	5/7/2002	01381-281	0.00	-50.00	0.00	0.00
Final Withdrawal Return of ERC Lease - Amgen Backup Gens.	6/27/2002	01381-281	0.00	50.00	0.00	0.00
Final Withdrawal 2 Year Lease - Amgen Backup Generators	6/27/2002	01381-321	0.00	-10.00	0.00	0.00
Final Withdrawal Return of ERC Lease-Manson Construction	7/8/2002	01266-161	0.00	18.14	0.00	0.00
Final Withdrawal Return of ERC Lease - Boeing H2 Storage	3/2/2004	00232-331	0.00	2.10	0.00	0.00
Final Withdrawal Return of ERC lease - Amgen Backup Gens.	3/21/2005	01381-321	0.00	10.00	0.00	0.00
Final Withdrawal Transfer to Vintage ERC No. 1229	9/19/2012	01229-TRN	0.00	-55.00	0.00	0.00

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1094

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	5.57
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.02

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: Ojai NGA

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Deposit Replace engines at Ojai Fee Lease w/elec	5/19/1993	00004-141	5.47	5.77	0.13	0.02
Final Withdrawal Implementation of revised Rule 74.9	7/18/1997	01094-TAC	0.00	-0.20	0.00	0.00
Final Withdrawal Transfer to Pacific Custom Materials Inc	6/1/1998	01151-TRN	0.00	0.00	-0.13	0.00
Final Withdrawal Increase Usage - 1 Yr Lease to Fluid Ink	12/13/1999	07113-121	-4.40	0.00	0.00	0.00
Final Withdrawal Return of ERC Lease From Fluid Ink	1/31/2001	07113-131	4.40	0.00	0.00	0.00

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Withdrawal Mandalay Unit 3 - 18 month lease	7/1/2001	00013-230	-0.74	-5.57	0.00	0.00
Final Withdrawal Return of ERC Lease from Reliant	12/31/2002	00013-231	0.74	-5.57	0.00	0.00
Final Withdrawal Transfer to Vintage ERC 1225	9/17/2012	01225-TRN	-5.47	0.00	0.00	0.00

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1097

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	4.97
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.03

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: Ventura (Ojai) NGA

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NO _x	PM10	SO _x
Final Deposit	2/24/1994	00008-331	18.30	19.46	0.24	0.03
Electrify Engines at Conoco Grubb Lease						
Final Withdrawal	7/18/1997	01097-TAC	-3.93	-14.49	0.00	0.00
Implementation of revised Rule 74.9						
Final Withdrawal	6/1/1998	01151-TRN	0.00	0.00	-0.24	0.00
Transfer to Pacific Custom Materials Inc						
Final Withdrawal	1/31/2001	07113-131	-7.70	0.00	0.00	0.00
Increase Usage - 1 Yr Lease to Fluid Ink						
Final Withdrawal	3/2/2004	07113-141	7.70	0.00	0.00	0.00
Return of ERC Lease - Fluid Ink						

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Withdrawal	8/31/2011	01217-TRN	-14.37	0.00	0.00	0.00
Transfer to Vintage Production ERC 1217						

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1104

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	2.08
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.01

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: North Zone

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NOx	PM10	SOx
Final Deposit SCE Mitigation-replace IC engs. w/electr	2/27/1996	00370-141	3.90	2.70	0.03	0.01
Final Withdrawal Implementation of revised Rule 74.9	7/18/1997	01104-TAC	0.00	-0.04	0.00	0.00
Final Withdrawal Transfer to Pacific Custom Materials Inc	6/1/1998	01151-TRN	0.00	0.00	-0.03	0.00
Final Withdrawal Transfer to Boeing Certificate No. 1163	6/4/2001	01163-TRN	0.00	-0.58	0.00	0.00
Final Withdrawal Transfer to Vintage ERC No. 1226	9/17/2012	01226-TRN	-3.90	0.00	0.00	0.00

CERTIFICATE OF EMISSION REDUCTION CREDITS

Certificate Number 1107

This Certificate Has Been Issued To The Following Company:

Southern California Edison Co.
2244 Walnut Grove Ave. Quad 1C
Rosemead, CA 91770

Emission Reduction Credit Balance (In Tons Per Year):

Reactive Organic Compounds	0.00
Nitrogen Oxides	3.20
Particulate Matter (PM10)	0.00
Sulfur Oxides	0.00

ERC Profile: Jan-Mar: 25% Apr-Jun: 25% Jul-Sep: 25% Oct-Dec: 25%

ERC Location: North Zone

Use of This Emission Reduction Credit Is Subject To The Following Limitations:

There are no limitations on the use of these emission reduction credits.

For:

Terri Thomas, Supervisor
Engineering Division

Michael Villegas
Air Pollution Control Officer

Transaction History (In Tons per Year):

Action	Date	Application	ROC	NO _x	PM10	SO _x
Final Deposit SCE Mitigation-replace IC engs. w/electr	2/26/1996	00366-241	3.96	3.49	0.04	0.00
Final Withdrawal Implementation of revised Rule 74.9	7/18/1997	01107-TAC	0.00	-0.29	0.00	0.00
Final Withdrawal Transfer to Pacific Custom Materials Inc	6/1/1998	01151-TRN	0.00	0.00	-0.04	0.00
Final Withdrawal Transfer to Vintage ERC No. 1227	9/19/2012	01227-TRN	-3.96	0.00	0.00	0.00