

Express Efficiency Rebate Program (EXP4)

Msr # 311002 Desc: Greenhouse Heat Curtain

Grs kWh: 0.00 **Grs Therms:** 0.32 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96

End Use: Space Cooling/Heating **Units:** Sqft **Life:** 5 **Incentive:** \$0.20 **Msr Cost:** \$0.49

Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: CFRM00AVHtCtn **Weight %:** 100 **Name:** Greenhouse Heat Curtain

Savings Comment (11/01/05 08:09am) - Converted to per sqft consistent with the program

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311005 Desc: Storage Water Heaters (LRG >75 MBTUH)

Grs kWh: 0.00 **Grs Therms:** 1.75 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96

End Use: Water Heating **Units:** MBtuh **Life:** 15 **Incentive:** \$2.00 **Msr Cost:** \$6.78

Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:43pm) - See "Express and SBS Workpapers.pdf" Page Exp-181

Therm savings converted to Therms per MBTU as follows: 440Therms/251MBTU=1.753 Therms per MBTU

Cost Comment (05/20/05 04:43pm) - See "Express and SBS Workpapers.pdf" Page Exp-181

IMC converted from a unit to MBTU as follows: \$1,701/251 MBTU = \$6.78

Msr # 311006 Desc: Storage Water Heaters (SML <= 75 MBTUH)

Grs kWh: 0.00 **Grs Therms:** 0.66 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96

End Use: Water Heating **Units:** MBtuh **Life:** 15 **Incentive:** \$2.00 **Msr Cost:** \$2.69

Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311007 Desc: Instantaneous Water Heaters (>= 200 MBTUH)

Grs kWh: 0.00 **Grs Therms:** 0.96 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96

End Use: Water Heating **Units:** MBtuh **Life:** 15 **Incentive:** \$0.50 **Msr Cost:** \$(1.32)

Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:18am) - See "Express and SBS Workpapers.pdf" Page Exp-184

Therm savings converted to Therms per MBTU as follows: 1,733 Therms/1,229 MBTU=1.41 Therms per MBTU

Cost Comment (01/05/06 08:18am) - See "Express and SBS Workpapers.pdf" Page Exp-185

IMC converted from a unit to MBTU as follows: \$(1,627)/1,229 MBTU = \$(1.32)

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Express Efficiency Rebate Program (EXP4)

Msr # 311008 Desc: Instantaneous Water Heaters (< 200 MBTUH)

Grs kWh: 0.00 **Grs Therms:** 1.81 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** MBtuh **Life:** 15 **Incentive:** \$2.00 **Msr Cost:** (\$7.77)
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:44pm) - See "Express and SBS Workpapers.pdf" Page Exp-184

Therm savings converted to Therms per MBTU as follows: 196 Therms/139 MBTU=1.41 Therms per MBTU

Cost Comment (05/20/05 04:44pm) - See "Express and SBS Workpapers.pdf" Page Exp-185

IMC converted from a unit to MBTU as follows: \$(1,080)/139 MBTU = (\$7.77)

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311010 Desc: Infrared Film for Greenhouses

Grs kWh: 0.00 **Grs Therms:** 0.17 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Space Cooling/Heating **Units:** Sqft **Life:** 5 **Incentive:** \$0.03 **Msr Cost:** \$0.03
Measure Life Type: RET **Climate Zone:** San Diego **Baseline Vintage:** No vintage distinction

DEER Run ID: CFRM07AVIRFilm **Weight %:** 100 **Name:** Infrared Film for Greenhouses

Savings Comment (11/01/05 08:07am) - See "Infrared Film for Greenhouse Walls.doc"

Cost Comment (11/02/05 08:07am) - See "Infrared Film for Greenhouse Walls.doc"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311012 Desc: Space Heating Boiler - Steam

Grs kWh: 0.00 **Grs Therms:** 0.32 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** MBtuh **Life:** 20 **Incentive:** \$0.25 **Msr Cost:** \$3.57
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (11/14/05 06:35pm) - See "Express and SBS Workpapers.pdf" Page Exp-182. Savings were converted from "per unit" to "per MBTU" 2528 Therms / 2351 MBTU = 1.0753 therms/MBTU

Cost Comment (11/15/05 06:35pm) - See "Express and SBS Workpapers.pdf" Page Exp-182. IMC was converted from "per unit" to "per MBTU" \$8393 / 2351 MBTU = \$3.57/MBTU

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers****Express Efficiency Rebate Program (EXP4)****Msr # 311014 Desc: Space Heating Boilers - Large Water**

Grs kWh: 0.00	Grs Therms: 0.29	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.96
End Use: Water Heating	Units: MBtuh	Life: 20	Incentive: \$0.25		Msr Cost: \$3.57
Measure Life Type: ROB	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

Savings Comment (11/14/05 06:49pm) - See "Express and SBS Workpapers.pdf" Page Exp-182. Savings were converted from "per unit" to "per MBTU" 2528 Therms / 2351 MBTU = 1.0753 therms/MBTU

Cost Comment (11/15/05 06:49pm) - See "Express and SBS Workpapers.pdf" Page Exp-182. IMC was converted from "per unit" to "per MBTU" \$8393 / 2351 MBTU = \$3.57/MBTU

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311015 Desc: Commercial Boiler (Non-Space Heat, Non-Process)

Grs kWh: 0.00	Grs Therms: 0.46	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.96
End Use: Water Heating	Units: MBtuh	Life: 20	Incentive: \$0.50		Msr Cost: \$3.57
Measure Life Type: ROB	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

Savings Comment (11/14/05 06:29pm) - See "Express and SBS Workpapers.pdf" Page Exp-183

Therm savings converted to Therms per MBTU as follows: 1,913 Therms/1,330 MBTU=1.438 Therms per MBTU

Cost Comment (11/15/05 06:29pm) - See "Express and SBS Workpapers.pdf" Page Exp-183

IMC converted from a unit to MBTU as follows: \$4,748/1330 MBTU = \$3.57

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311016 Desc: Process Boiler - Steam

Grs kWh: 0.00	Grs Therms: 0.37	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.96
End Use: Water Heating	Units: MBtuh	Life: 20	Incentive: \$0.50		Msr Cost: \$3.57
Measure Life Type: ROB	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

Savings Comment (11/14/05 06:32pm) - See "Express and SBS Workpapers.pdf" Page Exp-185

Therm savings converted to Therms per MBTU as follows: 2,861 Therms/2,745 MBTU=1.04 Therms per MBTU

Cost Comment (11/15/05 06:32pm) - See "Express and SBS Workpapers.pdf" Page Exp-185

IMC converted from a unit to MBTU as follows: \$9,800/2,745 MBTU = \$3.57

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Express Efficiency Rebate Program (EXP4)

Msr # 311017 Desc: Water Heating -Commercial Pool Heater

Grs kWh: 0.00 **Grs Therms:** 2.41 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** Mbtuh **Life:** 5 **Incentive:** \$2.00 **Msr Cost:** \$2.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:47pm) - See "Commercial Pool Heater Workpapers.doc"

Cost Comment (05/20/05 04:47pm) - See "Commercial Pool Heater Workpapers.doc"

Msr # 311018 Desc: Process Boiler - Water

Grs kWh: 0.00 **Grs Therms:** 0.54 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** MBtuh **Life:** 20 **Incentive:** \$0.50 **Msr Cost:** \$3.57
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (11/14/05 06:50pm) - See "Express and SBS Workpapers.pdf" Page Exp-185

Therm savings converted to Therms per MBTU as follows: 2,861 Therms/2,745 MBTU=1.04 Therms per MBTU

Cost Comment (11/15/05 06:50pm) - See "Express and SBS Workpapers.pdf" Page Exp-185

IMC converted from a unit to MBTU as follows: \$9,800/2,745 MBTU = \$3.57

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311019 Desc: Direct Contact Water Heater

Grs kWh: 0.00 **Grs Therms:** 2.45 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** MBtuh **Life:** 20 **Incentive:** \$2.00 **Msr Cost:** \$2.17
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:50am) - See "Express and SBS Workpapers.pdf" Page Exp-185

Therm savings converted to Therms per MBTU as follows: 7,074 Therms/3,093 MBTU=2.29 Therms per MBTU

Cost Comment (01/05/06 08:50am) - See "Express and SBS Workpapers.pdf" Page Exp-185

IMC converted from a unit to MBTU as follows: \$6,704/3,093 MBTU = \$2.17

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311022 Desc: Tank Insulation - Low Temperature Applic. (LF) 2 in

Grs kWh: 0.00 **Grs Therms:** 3.70 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** SquareFT **Life:** 20 **Incentive:** \$3.00 **Msr Cost:** \$3.41
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 10:18am) - See "Pipe and Tank Insulation Workpaper.doc"

Cost Comment (05/21/05 10:18am) - See "Pipe and Tank Insulation Workpaper.doc"

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Express Efficiency Rebate Program (EXP4)**Msr # 311023 Desc: Tank Insulation - High Temperature Applic. (LF) 2 in**

Grs kWh: 0.00 **Grs Therms:** 10.40 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** SquareFT **Life:** 20 **Incentive:** \$4.00 **Msr Cost:** \$3.41
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:48pm) - See "Pipe and Tank Insulation Workpaper.doc"

Cost Comment (05/20/05 04:48pm) - See "Pipe and Tank Insulation Workpaper.doc"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311024 Desc: Pipe Insulation - Hot Water Applic. (sq ft) 2 in

Grs kWh: 0.00 **Grs Therms:** 2.90 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** LinearFT **Life:** 20 **Incentive:** \$3.00 **Msr Cost:** \$9.22
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 10:19am) - See "Pipe and Tank Insulation Workpaper.doc"

Cost Comment (05/21/05 10:19am) - See "Pipe and Tank Insulation Workpaper.doc"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311025 Desc: Pipe Insulation - Low Pressure Steam Applic. (LF) 2 in

Grs kWh: 0.00 **Grs Therms:** 14.30 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** LinearFT **Life:** 20 **Incentive:** \$4.00 **Msr Cost:** \$9.22
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:49pm) - See "Pipe and Tank Insulation Workpaper.doc"

Cost Comment (05/20/05 04:49pm) - See "Pipe and Tank Insulation Workpaper.doc"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Express Efficiency Rebate Program (EXP4)**Msr # 311026 Desc: Tank Insulation - Low Temperature Applic. (LF) 1 in**

Grs kWh: 0.00 **Grs Therms:** 3.40 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** SquareFT **Life:** 20 **Incentive:** \$2.00 **Msr Cost:** \$2.58
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 10:19am) - See "Pipe and Tank Insulation Workpaper.doc"

Cost Comment (05/21/05 10:19am) - See "Pipe and Tank Insulation Workpaper.doc"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311027 Desc: Tank Insulation - High Temperature Applic. (LF) 1 in

Grs kWh: 0.00 **Grs Therms:** 9.70 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** SquareFT **Life:** 20 **Incentive:** \$3.00 **Msr Cost:** \$2.58
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:51pm) - See "Pipe and Tank Insulation Workpaper.doc"

Cost Comment (05/20/05 04:51pm) - See "Pipe and Tank Insulation Workpaper.doc"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311028 Desc: Pipe Insulation - Hot Water Applic. (sq ft) 1 in

Grs kWh: 0.00 **Grs Therms:** 2.60 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** LinearFt **Life:** 20 **Incentive:** \$2.00 **Msr Cost:** \$5.67
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:51pm) - See "Pipe and Tank Insulation Workpaper.doc"

Cost Comment (05/20/05 04:51pm) - See "Pipe and Tank Insulation Workpaper.doc"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers**

Express Efficiency Rebate Program (EXP4)

Msr # 311029 Desc: Pipe Insulation - Low Pressure Steam Applic. (LF) 1 in

Grs kWh: 0.00 **Grs Therms:** 13.40 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** LinearFt **Life:** 20 **Incentive:** \$3.00 **Msr Cost:** \$5.67
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:52pm) - See "Pipe and Tank Insulation Workpaper.doc"

Cost Comment (05/20/05 04:52pm) - See "Pipe and Tank Insulation Workpaper.doc"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311032 Desc: Energy Star Clothes Washer - 3.5 cf Tier III MEF=1.8

Grs kWh: 0.00 **Grs Therms:** 69.75 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** Clothes Washer, (**Life:** 10 **Incentive:** \$75.00 **Msr Cost:** \$764.92
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RRes00AVC3T3D **Weight %:** 100 **Name:** Energy Star Clothes Washer - 3.5 cf

Savings Comment (01/11/06 09:12pm) - See: "Clothes and dishwasher standards update conversion.xls"

Cost Comment (01/12/06 09:12pm) - See: "Clothes and dishwasher standards update conversion.xls"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311033 Desc: Steam Trap Replacement - Commercial/Other

Grs kWh: 0.00 **Grs Therms:** 139.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** Unit **Life:** 15 **Incentive:** \$100.00 **Msr Cost:** \$223.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (12/05/05 10:06am) - See: "Steam Trap Workpapers.doc" & "Steam Trap Workpapers.xls"

Savings Comment (12/06/05 10:06am) - See: "Steam Trap Workpapers.doc" & "Steam Trap Workpapers.xls"

Cost Comment (12/07/05 10:06am) - See: "Steam Trap Workpapers.doc" & "Steam Trap Workpapers.xls"

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311034 Desc: Steam Trap Replacement - Industrial <15psig

Grs kWh: 0.00 **Grs Therms:** 638.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** Unit **Life:** 15 **Incentive:** \$100.00 **Msr Cost:** \$180.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers**

Express Efficiency Rebate Program (EXP4)

Msr # 311035 Desc: Steam Trap Replacement - Industrial >15psig
Grs kWh: 0.00 **Grs Therms:** 2,342.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Water Heating **Units:** Unit **Life:** 15 **Incentive:** \$100.00 **Msr Cost:** \$223.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
 General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311036 Desc: Steam Trap Replacement - Commercial <12hr/day (Dry Cleaners)
Grs kWh: 0.00 **Grs Therms:** 139.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: **Units:** Unit **Life:** 6 **Incentive:** \$100.00 **Msr Cost:** \$77.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311037 Desc: Steam Trap Replacement - Industrial <15 psig/Other Commercial 12-24 hr/day
Grs kWh: 0.00 **Grs Therms:** 638.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: **Units:** Unit **Life:** 6 **Incentive:** \$100.00 **Msr Cost:** \$180.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311038 Desc: Steam Trap Replacement - Industrial >15 psig
Grs kWh: 0.00 **Grs Therms:** 2,342.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Other **Units:** Unit **Life:** 6 **Incentive:** \$200.00 **Msr Cost:** \$223.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311040 Desc: Pipe Insulation -Hot Water Application >= 1" pipe
Grs kWh: 0.00 **Grs Therms:** 18.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.83
End Use: Water Heating **Units:** LinearFt **Life:** 20 **Incentive:** \$2.00 **Msr Cost:** \$16.33
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf
 General Comment (08/05/07 09:15am) - Pipe Insulation (26Jan07).pdf

Southern California Gas Company
2006 - 2008 Program Cycle Workpapers

Express Efficiency Rebate Program (EXP4)

Msr # 311041 **Desc:** Pipe Insulation - Low pressure steam <=15 psi < 1" pipe
Grs kWh: 0.00 **Grs Therms:** 6.10 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Other **Units:** LinearFt **Life:** 20 **Incentive:** \$3.00 **Msr Cost:** \$14.37
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

General Comment (08/05/07 09:21am) - See "Pipe Insulation (26Jan07).pdf"

Msr # 311042 **Desc:** Pipe Insulation - Low pressure steam >15 psi >= 1" pipe
Grs kWh: 0.00 **Grs Therms:** 40.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Other **Units:** LinearFt **Life:** 20 **Incentive:** \$3.00 **Msr Cost:** \$16.57
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

General Comment (08/05/07 09:22am) - See "Pipe Insulation (26Jan07).pdf"

Msr # 311044 **Desc:** Pipe Insulation - Medium pressure steam >15 psi >= 1" pipe
Grs kWh: 0.00 **Grs Therms:** 63.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.96
End Use: Other **Units:** LinearFt **Life:** 20 **Incentive:** \$3.00 **Msr Cost:** \$16.57
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Multi-Family Rebate Program (MFR4)**Msr # 312002 Desc: Natural Gas Storage Water Heater (EF>= 0.63)**

Grs kWh: 0.00 **Grs Therms:** 10.08 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Hot Water Tank **Life:** 13 **Incentive:** \$30.00 **Msr Cost:** \$175.30
Measure Life Type: ROB **Climate Zone:** Riverside **Baseline Vintage:** No vintage distinction
DEER Run ID: RMFM10AVWHGTa **Weight %:** 100 **Name:** High Efficiency Water Heater

Msr # 312003 Desc: Central Gas Furnace 90% AFUE

Grs kWh: 0.00 **Grs Therms:** 22.38 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Space Cooling/Heating **Units:** per 38 kBtuh Unit **Life:** 18 **Incentive:** \$200.00 **Msr Cost:** \$253.08
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
DEER Run ID: RMFm1075RFC90 **Weight %:** 50 **Name:** Condensing 90 AFUE (1.11 HIR) Furnace
DEER Run ID: RMFm1085RFC90 **Weight %:** 50 **Name:** Condensing 90 AFUE (1.11 HIR) Furnace

Savings Comment (11/12/05 12:08pm) - Used Riverside climate zone as forecast climate zone - Used 38 Kbtu as the common unit per DEER

Msr # 312004 Desc: Attic Insulation

Grs kWh: 0.18 **Grs Therms:** 0.05 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Space Cooling/Heating **Units:** 1000 sqft roof, 10(**Life:** 20 **Incentive:** \$0.15 **Msr Cost:** \$0.76
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
DEER Run ID: RMFm1075RCV30 **Weight %:** 60 **Name:** Ceiling Vintage to R-30 Insulation-Batts
DEER Run ID: RMFm1085RCV30 **Weight %:** 30 **Name:** Ceiling Vintage to R-30 Insulation-Batts
DEER Run ID: RMFm1096RCV30 **Weight %:** 10 **Name:** Ceiling Vintage to R-30 Insulation-Batts

Savings Comment (10/28/05 07:19pm) - Savings are converted to per square foot consistent with program and IMC. Used Riverside climate zone as representative climate zone for the forecast.

Msr # 312005 Desc: Wall Insulation

Grs kWh: 0.10 **Grs Therms:** 0.06 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Space Cooling/Heating **Units:** sqft **Life:** 20 **Incentive:** \$0.15 **Msr Cost:** \$1.32
Measure Life Type: **Climate Zone:** Riverside **Baseline Vintage:** Built before 1978
DEER Run ID: RMFm1075RW413 **Weight %:** 100 **Name:** Wall Blow-In R-0 to R-13 Insulation

Savings Comment (10/28/05 07:20pm) - Used inland empire (climate zone 10 as forecast climate zone
Converted from per 1,000 sqft to sqft

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers**

Multi-Family Rebate Program (MFR4)

Msr # 312008 Desc: Central System Natural Gas Water Heater

Grs kWh: 0.00 **Grs Therms:** 257.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Unit **Life:** 15 **Incentive:** \$500.00 **Msr Cost:** \$1,701.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (12/10/05 03:51pm) - Savings value is from November 26, 2001 analysis performed by A. Ahmed for SoCalGas. See Excel workbook "MFRCPNov26.xls".

Cost Comment (12/11/05 03:51pm) - IMC from Statewide Express Efficiency (GAS_B)

Msr # 312009 Desc: Central System Gas Boiler: Water Heating Only

Grs kWh: 0.00 **Grs Therms:** 750.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Unit **Life:** 20 **Incentive:** \$1,500.00 **Msr Cost:** \$4,060.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (06/24/05 03:44pm) - Savings value is from November 26, 2001 analysis performed by A. Ahmed for SoCalGas. See Excel workbook "MFRCPNov26.xls".

Cost Comment (06/25/05 03:44pm) - IMC from Statewide Express Efficiency (GAS_D)

Msr # 312010 Desc: Central System Gas Boiler: Space and Water Heating

Grs kWh: 0.00 **Grs Therms:** 1,900.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Space Cooling/Heating **Units:** Unit **Life:** 20 **Incentive:** \$1,500.00 **Msr Cost:** \$4,060.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (06/24/05 03:45pm) - Savings value is from November 26, 2001 analysis performed by A. Ahmed for SoCalGas. See Excel workbook "MFRCPNov26.xls".

Cost Comment (06/25/05 03:45pm) - IMC from Statewide Express Efficiency (GAS_C)

Msr # 312012 Desc: Gas Wtr Htr Controller (<30 units) Pre 1970

Grs kWh: 0.00 **Grs Therms:** 1,125.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Unit **Life:** 10 **Incentive:** \$750.00 **Msr Cost:** \$1,400.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/25/06 11:04am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Savings Comment (01/26/06 11:04am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Cost Comment (01/27/06 11:04am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers**

Multi-Family Rebate Program (MFR4)

Msr # 312014 Desc: Gas Wtr Htr Controller (>= 30 units) Pre 1970

Grs kWh: 0.00 **Grs Therms:** 2,250.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Unit **Life:** 10 **Incentive:** \$1,500.00 **Msr Cost:** \$1,550.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/25/06 11:04am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Savings Comment (01/26/06 11:04am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Cost Comment (01/27/06 11:04am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Msr # 312015 Desc: Gas Wtr Htr Controller (<30 units) Post 1970

Grs kWh: 0.00 **Grs Therms:** 850.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Unit **Life:** 10 **Incentive:** \$750.00 **Msr Cost:** \$1,400.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/25/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Savings Comment (01/26/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Cost Comment (01/27/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Msr # 312017 Desc: Clothes Washer Energy Star Tier II MEF = 1.60 (In Coin-Op Laundry Area)

Grs kWh: 0.00 **Grs Therms:** 101.77 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Clothes Washer, **Life:** 10 **Incentive:** \$50.00 **Msr Cost:** \$853.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RRes00AVC3T2D **Weight %:** 100 **Name:** Energy Star Clothes Washer - 3.5 cf

Savings Comment (11/12/05 07:03pm) - See "Coin-op.xls"

Msr # 312021 Desc: Energy Star Dishwasher Tier I (EF=.62)

Grs kWh: 0.00 **Grs Therms:** 3.90 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Dishwasher, DW **Life:** 13 **Incentive:** \$30.00 **Msr Cost:** \$183.64
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RMFM00AVDW160 **Weight %:** 100 **Name:** Energy Star Dish Washer

Savings Comment (11/11/05 05:40pm) - See "Clothes and Dishwashers.xls"

Cost Comment (11/12/05 05:40pm) - See "Clothes and Dishwashers.xls"

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers****Multi-Family Rebate Program (MFR4)****Msr # 312022 Desc: Energy Star Dishwasher Tier II (EF=.68+)**

Grs kWh: 0.00 **Grs Therms:** 4.90 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Dishwasher, DW **Life:** 13 **Incentive:** \$50.00 **Msr Cost:** \$383.64
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
DEER Run ID: RMFM00AVDW160 **Weight %:** 100 **Name:** Energy Star Dish Washer

Msr # 312026 Desc: Clothes Washer Energy Star Tier III MEF = 1.80 (In Coin-Op Laundry Area)

Grs kWh: 0.00 **Grs Therms:** 116.58 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Clothes Washer, (**Life:** 10 **Incentive:** **Msr Cost:** \$764.92
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
DEER Run ID: RRes00AVC3T3D **Weight %:** 100 **Name:** Energy Star Clothes Washer - 3.5 cf

Savings Comment (01/11/06 09:13pm) - See: "Clothes and dishwasher standards update conversion.xls"

Cost Comment (01/12/06 09:13pm) - See: "Clothes and dishwasher standards update conversion.xls"

Msr # 312027 Desc: Gas Wtr Htr Controller (>=30 units) Post 1970

Grs kWh: **Grs Therms:** 1,699.00 **Grs kW:** **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Unit **Life:** 10 **Incentive:** \$1,500.00 **Msr Cost:** \$1,550.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/25/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Savings Comment (01/26/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

Cost Comment (01/27/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers**

Local Business Energy Efficiency Program (NRF4)

Msr # 314001 Desc: EER Convection Oven
Grs kWh: 0.00 **Grs Therms:** 323.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 1.00
End Use: Cooking **Units:** Unit **Life:** 12 **Incentive:** \$500.00 **Msr Cost:** \$3,144.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (11/09/05 03:10pm) - Life derived from Food Service Gas Measure Workpapers 11-08-05.xls

Savings Comment (11/10/05 03:10pm) - Savings derived from Food Service Gas Measure Workpapers 11-08-05.xls

Cost Comment (11/11/05 03:10pm) - IMC derived from Food Service Gas Measure Workpapers 11-08-05.xls

General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Msr # 314003 Desc: EER Griddle
Grs kWh: 0.00 **Grs Therms:** 88.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 1.00
End Use: Cooking **Units:** Unit **Life:** 12 **Incentive:** \$125.00 **Msr Cost:** \$4,575.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (11/09/05 03:07pm) - Life derived from Food Service Gas Measure Workpapers 11-08-05.xls

Savings Comment (11/10/05 03:07pm) - Savings derived from Food Service Gas Measure Workpapers 11-08-05.xls

Cost Comment (11/11/05 03:07pm) - IMC derived from Food Service Gas Measure Workpapers 11-08-05.xls

General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Msr # 314006 Desc: EER Fryer - High Effic. Unit
Grs kWh: 0.00 **Grs Therms:** 505.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 1.00
End Use: Cooking **Units:** Unit **Life:** 12 **Incentive:** \$500.00 **Msr Cost:** \$3,796.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (11/09/05 03:06pm) - Life derived from Food Service Gas Measure Workpapers 11-08-05.xls

Savings Comment (11/10/05 03:06pm) - Savings derived from Food Service Gas Measure Workpapers 11-08-05.xls

Cost Comment (11/11/05 03:06pm) - IMC derived from Food Service Gas Measure Workpapers 11-08-05.xls

General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Msr # 314008 Desc: PER Furnace Replacement
Grs kWh: 0.00 **Grs Therms:** 1.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Therm **Life:** 20 **Incentive:** \$0.60 **Msr Cost:** \$4.60
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Cost Comment (03/15/07 04:53pm) - See "BEEP Project_ Summary File 2006.xls"

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers****Local Business Energy Efficiency Program (NRF4)****Msr # 314010 Desc: PER Oven Replacement**

Grs kWh: 0.00	Grs Therms: 1.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.80
End Use: Cooking	Units: Therm	Life: 20	Incentive: \$0.65		Msr Cost: \$15.97
Measure Life Type:	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

Cost Comment (03/15/07 04:58pm) - See "BEEP Project_ Summary File 2006.xls"

Msr # 314011 Desc: CPI Heat Recovery

Grs kWh: 0.00	Grs Therms: 1.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.80
End Use: Other	Units: Therm	Life: 20	Incentive: \$0.60		Msr Cost: \$0.95
Measure Life Type: RET	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

Cost Comment (03/15/07 04:55pm) - See "BEEP Project_ Summary File 2006.xls"

Msr # 314012 Desc: PER Misc. Process Equip. Replacement

Grs kWh: 0.00	Grs Therms: 1.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.80
End Use: Other	Units: Therm	Life: 20	Incentive: \$0.65		Msr Cost: \$5.47
Measure Life Type: ROB	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Cost Comment (03/15/07 05:03pm) - See "BEEP Project_ Summary File 2006.xls"

Msr # 314013 Desc: CPI Equip. Modernization

Grs kWh: 0.00	Grs Therms: 1.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.80
End Use: Other	Units: Therm	Life: 20	Incentive: \$0.65		Msr Cost: \$0.88
Measure Life Type: RET	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

Cost Comment (03/15/07 04:52pm) - See "BEEP Project_ Summary File 2006.xls"

Msr # 314014 Desc: PER Engine Rebuild/Replacement

Grs kWh: 0.00	Grs Therms: 1.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.80
End Use: Other	Units: Therm	Life: 15	Incentive: \$0.60		Msr Cost: \$11.49
Measure Life Type: RET	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

Cost Comment (03/15/07 04:51pm) - See "BEEP Project_ Summary File 2006.xls"

Local Business Energy Efficiency Program (NRF4)

Msr # 314016 Desc: EER Combination Oven

Grs kWh: 0.00 **Grs Therms:** 403.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 1.00
End Use: Cooking **Units:** Unit **Life:** 12 **Incentive:** \$750.00 **Msr Cost:** \$21,797.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (11/09/05 03:11pm) - Life derived from Food Service Gas Measure Workpapers 11-08-05.xls

Savings Comment (11/10/05 03:11pm) - Savings derived from Food Service Gas Measure Workpapers 11-08-05.xls

Cost Comment (11/11/05 03:11pm) - IMC derived from Food Service Gas Measure Workpapers 11-08-05.xls

General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Msr # 314042 Desc: Grant (SPC Equivalent Measure)

Grs kWh: 0.00 **Grs Therms:** 1.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Therm **Life:** 15 **Incentive:** \$0.50 **Msr Cost:** \$4.61
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Cost Comment (03/15/07 04:54pm) - See "BEEP Project_ Summary File 2006.xls"

Msr # 314046 Desc: EER Cabinet Steamer Tier II

Grs kWh: 0.00 **Grs Therms:** 8.67 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 1.00
End Use: Cooking **Units:** unit **Life:** 12 **Incentive:** \$4.00 **Msr Cost:** \$11.11
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 09:00am) - See "Food Service Workpapers.doc" Savings converted from therms per unit to therms per mbtuh = $780/90=4$ Therms per mbtu. (mbtu per Fisher Nickel oven study)

Cost Comment (01/05/06 09:00am) - See "Food Service Workpapers.doc" IMC converted from dollars per unit to dollars per mbtuh = $\$1,000/90=\11.11 Therms per mbtu. (mbtu per Fisher Nickel oven study)

Msr # 314047 Desc: EER Large Vat Fryers

Grs kWh: 0.00 **Grs Therms:** 578.00 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 1.00
End Use: Cooking **Units:** Unit **Life:** 12 **Incentive:** \$500.00 **Msr Cost:** \$3,122.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (05/21/07 05:40pm) - See "BEEP Change 10-03-2006.pdf"

Southern California Gas Company
2006 - 2008 Program Cycle Workpapers

Local Business Energy Efficiency Program (NRF4)**Msr # 314048 Desc: EER Single Rack Oven**

Grs kWh: 0.00	Grs Therms: 1,034.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 1.00
End Use: Cooking	Units: Unit	Life: 12	Incentive: \$1,000.00		Msr Cost: \$8,221.00
Measure Life Type:	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (05/21/07 05:38pm) - See "BEEP Change 10-03-2006.pdf"

Msr # 314049 Desc: EER Double Rack Oven

Grs kWh: 0.00	Grs Therms: 2,104.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 1.00
End Use: Cooking	Units: Unit	Life: 12	Incentive: \$2,000.00		Msr Cost: \$8,646.00
Measure Life Type:	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction			

General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (05/21/07 05:34pm) - See "BEEP Change 10-03-2006.pdf"

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers**

Home Efficiency Rebate Program (SFR4)

Msr # 315002 Desc: Gas Storage Water Heater (EF>= 0.62)
Grs kWh: 0.00 **Grs Therms:** 11.22 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Hot Water Tank **Life:** 13 **Incentive:** \$30.00 **Msr Cost:** \$175.30
Measure Life Type: ROB **Climate Zone:** Riverside **Baseline Vintage:** No vintage distinction
DEER Run ID: RSFM10AVWHGTa **Weight %:** 100 **Name:** High Efficiency Water Heater
Savings Comment (01/04/06 08:42am) - Used Riverside climate zone as forecast climate zone

Msr # 315003 Desc: Central Gas Furnace 90% AFUE
Grs kWh: 0.00 **Grs Therms:** 34.56 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Space Cooling/Heating **Units:** 72 kBtuh unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$479.52
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
DEER Run ID: RSFm1075RFC90 **Weight %:** 50 **Name:** Condensing 90 AFUE (1.11 HIR) Furnace
DEER Run ID: RSFm1085RFC90 **Weight %:** 50 **Name:** Condensing 90 AFUE (1.11 HIR) Furnace
Savings Comment (11/04/05 02:03pm) - Used Riverside climate zone as forecast climate zone - Used 72 Kbtu as the common unit per DEER

Msr # 315004 Desc: Attic Insulation
Grs kWh: 0.16 **Grs Therms:** 0.03 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Space Cooling/Heating **Units:** sqft **Life:** 20 **Incentive:** \$0.15 **Msr Cost:** \$0.76
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
DEER Run ID: RSFm1075RCV30 **Weight %:** 50 **Name:** Ceiling Vintage to R-30 Insulation-Batts
DEER Run ID: RSFm1085RCV30 **Weight %:** 50 **Name:** Ceiling Vintage to R-30 Insulation-Batts
Savings Comment (10/27/05 07:52pm) - Savings are converted to per square foot consistent with program and IMC. Used Riverside climate zone as representative climate zone for the forecast.

Msr # 315005 Desc: Wall Insulation
Grs kWh: 0.41 **Grs Therms:** 0.10 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Space Cooling/Heating **Units:** sqft **Life:** 20 **Incentive:** \$0.15 **Msr Cost:** \$1.32
Measure Life Type: RET **Climate Zone:** Riverside **Baseline Vintage:** Built before 1978
DEER Run ID: RSFm1075RW413 **Weight %:** 100 **Name:** Wall Blow-In R-0 to R-13 Insulation
Savings Comment (10/27/05 07:56pm) - Converted from per 1,000 sqft to sqft

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers**

Home Efficiency Rebate Program (SFR4)

Msr # 315006 Desc: Energy Star Labeled Dishwasher Tier I EF=0.62

Grs kWh: 0.00 **Grs Therms:** 5.30 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Dishwasher **Life:** 13 **Incentive:** \$30.00 **Msr Cost:** \$183.64
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RSFM00AVDW215 **Weight %:** 100 **Name:** Energy Star Dish Washer

Savings Comment (11/08/05 05:38pm) - See "Dishwasher Workpapers.xls"

Cost Comment (11/09/05 05:38pm) - See "Dishwasher Workpapers.xls"

Msr # 315008 Desc: Clothes Washer Tier I

Grs kWh: 0.00 **Grs Therms:** 19.65 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Clothes Washer, (**Life:** 14 **Incentive:** \$35.00 **Msr Cost:** \$246.14
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RRes00AVC3T1D **Weight %:** 100 **Name:** Energy Star Clothes Washer - 3.5 cf

Msr # 315009 Desc: Clothes Washer Tier II

Grs kWh: 0.00 **Grs Therms:** 21.86 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Clothes Washer, (**Life:** 14 **Incentive:** \$0.00 **Msr Cost:** \$853.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RRes00AVC3T2D **Weight %:** 100 **Name:** Energy Star Clothes Washer - 3.5 cf

Msr # 315014 Desc: Central Gas Furnace 92% AFUE

Grs kWh: 0.00 **Grs Therms:** 40.18 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Space Cooling/Heating **Units:** 72 Kbtuh unit **Life:** 18 **Incentive:** \$200.00 **Msr Cost:** \$549.36
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RSFm1075RFC92 **Weight %:** 50 **Name:** Condensing 92 AFUE (1.08 HIR) Furnace

DEER Run ID: RSFm1085RFC92 **Weight %:** 50 **Name:** Condensing 92 AFUE (1.08 HIR) Furnace

Savings Comment (11/11/05 06:33pm) - Used Riverside climate zone as forecast climate zone - Used 72 Kbtu as the common unit per DEER

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers****Home Efficiency Rebate Program (SFR4)**

Msr # 315016 Desc: Faucet Aerators
Grs kWh: 0.00 **Grs Therms:** 6.73 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.89
End Use: Water Heating **Units:** Household **Life:** 9 **Incentive:** \$3.00 **Msr Cost:** \$7.12
Measure Life Type: RET **Climate Zone:** Riverside **Baseline Vintage:** No vintage distinction
DEER Run ID: RSFM10AVWHFau **Weight %:** 100 **Name:** Faucet Aerators
Savings Comment (11/15/05 07:15am) - Used Riverside climate zone as forecast climate zone

Msr # 315033 Desc: Energy Star Dish Washer EF=0.65
Grs kWh: 0.00 **Grs Therms:** 4.36 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Dishwasher, DW₂ **Life:** 13 **Incentive:** \$30.00 **Msr Cost:** \$426.30
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
DEER Run ID: RSFM00AVDW215 **Weight %:** 100 **Name:** Energy Star Dish Washer
General Comment (08/05/07 09:28am) - See "dW_merge.xls"

Msr # 315034 Desc: Energy Star Clothes Washer - MEF=1.72 WF=8.0
Grs kWh: 0.00 **Grs Therms:** 7.25 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Clothes Washer, (**Life:** 14 **Incentive:** \$35.00 **Msr Cost:** \$1,368.54
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
DEER Run ID: RRes00AVC3T2D **Weight %:** 100 **Name:** Energy Star Clothes Washer - 3.5 cf
General Comment (08/05/07 09:27am) - See "CW_merge.xls"

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers****Advanced Home Program (EED4)****Msr # 316007 Desc: Single Family, Maximum Cooling Capacity, CZ 8**

Grs kWh: 246.15 **Grs Therms:** 13.39 **Grs kW:** 0.27 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$150.00 **Msr Cost:** \$225.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:38am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:38am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316008 Desc: Single Family, Maximum Cooling Capacity, CZ 9

Grs kWh: 499.18 **Grs Therms:** 14.98 **Grs kW:** 0.55 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$150.00 **Msr Cost:** \$225.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:27am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:27am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316009 Desc: Single Family, Maximum Cooling Capacity, CZ 10

Grs kWh: 938.11 **Grs Therms:** 20.62 **Grs kW:** 1.03 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$150.00 **Msr Cost:** \$225.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:39am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:39am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316013 Desc: Single Family, Verified Ducting System, CZ 4

Grs kWh: 43.04 **Grs Therms:** 34.53 **Grs kW:** 0.05 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/03/06 07:27am) - Changed per May 13th 2005 DEER Measure Life Update

Savings Comment (01/04/06 07:27am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:27am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Advanced Home Program (EED4)**Msr # 316014 Desc: Single Family, Verified Ducting System, CZ 5**

Grs kWh: 18.93 **Grs Therms:** 34.53 **Grs kW:** 0.02 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/03/06 07:28am) - Changed per May 13th 2005 DEER Measure Life Update

Savings Comment (01/04/06 07:28am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:28am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316017 Desc: Single Family, Verified Ducting System, CZ 8

Grs kWh: 111.89 **Grs Therms:** 13.39 **Grs kW:** 0.12 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (05/19/05 09:39am) - Changed per May 13th 2005 DEER Measure Life Update

Savings Comment (05/20/05 09:39am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:39am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316018 Desc: Single Family, Verified Ducting System, CZ 9

Grs kWh: 271.96 **Grs Therms:** 14.98 **Grs kW:** 0.30 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/03/06 07:29am) - Changed per May 13th 2005 DEER Measure Life Update

Savings Comment (01/04/06 07:29am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:29am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316019 Desc: Single Family, Verified Ducting System, CZ 10

Grs kWh: 543.93 **Grs Therms:** 20.62 **Grs kW:** 0.60 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (05/19/05 09:40am) - Changed per May 13th 2005 DEER Measure Life Update

Savings Comment (05/20/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Advanced Home Program (EED4)**Msr # 316020 Desc: Single Family, Verified Ducting System, CZ 13**

Grs kWh: 824.51 **Grs Therms:** 37.18 **Grs kW:** 0.90 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/03/06 07:29am) - Changed per May 13th 2005 DEER Measure Life Update

Savings Comment (01/04/06 07:29am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:29am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316023 Desc: Single Family, Quality Insulation Installation, CZ 4

Grs kWh: 96.39 **Grs Therms:** 52.51 **Grs kW:** 0.11 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316024 Desc: Single Family, Quality Insulation Installation, CZ 5

Grs kWh: 37.87 **Grs Therms:** 57.09 **Grs kW:** 0.04 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316027 Desc: Single Family, Quality Insulation Installation, CZ 8

Grs kWh: 182.46 **Grs Therms:** 27.84 **Grs kW:** 0.20 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers**

Advanced Home Program (EED4)

Msr # 316028 Desc: Single Family, Quality Insulation Installation, CZ 9

Grs kWh: 254.75 **Grs Therms:** 14.45 **Grs kW:** 0.28 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:31am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:31am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316029 Desc: Single Family, Quality Insulation Installation, CZ 10

Grs kWh: 468.19 **Grs Therms:** 38.41 **Grs kW:** 0.51 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316030 Desc: Single Family, Quality Insulation Installation, CZ 13

Grs kWh: 547.37 **Grs Therms:** 52.16 **Grs kW:** 0.60 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:31am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:31am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316032 Desc: Single Family, Quality Insulation Installation, CZ 15

Grs kWh: 1,270.32 **Grs Therms:** 20.79 **Grs kW:** 1.39 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316039 Desc: Single Family, Tank Less Water Heater, CZ 10

Grs kWh: 0.00 **Grs Therms:** 83.52 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:32am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:32am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers****Advanced Home Program (EED4)****Msr # 316040 Desc: Single Family, Tank Less Water Heater, CZ 13**

Grs kWh: 0.00 **Grs Therms:** 75.41 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:33am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:33am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316058 Desc: Multi-family, Maximum Cooling Capacity, CZ 9

Grs kWh: 242.82 **Grs Therms:** 6.14 **Grs kW:** 0.27 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$100.00 **Msr Cost:** \$150.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:41am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:41am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316059 Desc: Multi-family, Maximum Cooling Capacity, CZ 10

Grs kWh: 436.93 **Grs Therms:** 8.75 **Grs kW:** 0.48 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$100.00 **Msr Cost:** \$150.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:42am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:42am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316065 Desc: Multi-family, Verified Ducting System, CZ 6

Grs kWh: 4.50 **Grs Therms:** 5.68 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$60.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/03/06 07:46am) - Changed per May 13th 2005 DEER Measure Life Update

Savings Comment (01/04/06 07:46am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:46am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Advanced Home Program (EED4)**Msr # 316067 Desc: Multi-family, Verified Ducting System, CZ 8**

Grs kWh: 59.96 **Grs Therms:** 5.52 **Grs kW:** 0.07 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$60.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (05/19/05 09:42am) - Changed per May 13th 2005 DEER Measure Life Update

Savings Comment (05/20/05 09:42am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:42am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316073 Desc: Multi-family, High Quality Insulation Installation, CZ 4

Grs kWh: 34.47 **Grs Therms:** 11.12 **Grs kW:** 0.04 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:48am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:48am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316075 Desc: Multi-family, High Quality Insulation Installation, CZ 6

Grs kWh: 9.74 **Grs Therms:** 5.91 **Grs kW:** 0.01 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:48am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:48am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316078 Desc: Multi-family, High Quality Insulation Installation, CZ 9

Grs kWh: 95.18 **Grs Therms:** 6.06 **Grs kW:** 0.10 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:49am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:49am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

**Southern California Gas Company
2006 - 2008 Program Cycle Workpapers****Advanced Home Program (EED4)****Msr # 316079 Desc: Multi-family, High Quality Insulation Installation, CZ 10**

Grs kWh: 125.91 **Grs Therms:** 8.13 **Grs kW:** 0.14 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:43am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (05/21/05 09:43am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316082 Desc: Multi-family, High Quality Insulation Installation, CZ 15

Grs kWh: 304.28 **Grs Therms:** 4.22 **Grs kW:** 0.33 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:49am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:49am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316092 Desc: Multi-family, Tank Less Water Heater, CZ 15

Grs kWh: 0.00 **Grs Therms:** 14.81 **Grs kW:** 0.00 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:14am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 08:14am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316097 Desc: Multi-family, Air Conditioner EER, CZ 8

Grs kWh: 41.97 **Grs Therms:** 0.00 **Grs kW:** 0.05 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$225.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:15am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 08:15am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316098 Desc: Multi-family, Air Conditioner EER, CZ 9

Grs kWh: 109.42 **Grs Therms:** 0.00 **Grs kW:** 0.14 **Grs NC kW:** **Run Hours:** **NTG:** 0.80
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$225.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:15am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 08:15am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Advanced Home Program (EED4)**Msr # 316099 Desc: Multi-family, Air Conditioner EER, CZ 10****Grs kWh:** 233.08**Grs Therms:** 0.00**Grs kW:** 0.29**Grs NC kW:****Run Hours:****NTG:** 0.80**End Use:** Space Cooling/Heating **Units:** Dwelling Unit**Life:** 15**Incentive:** \$200.00**Msr Cost:** \$225.00**Measure Life Type:** NEW**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:15am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 08:15am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Savings By Design SCG Muni Program (NEW5)**Msr # 317003** **Desc: Misc (per Therm)****Grs kWh:** 0.00**Grs Therms:** 1.00**Grs kW:****Grs NC kW:****Run Hours:****NTG:** 0.82**End Use:** Space Cooling/Heating**Units:** Building**Life:** 15**Incentive:** \$0.49**Msr Cost:** \$2.53**Measure Life Type:** NEW**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:34am) - See "Savings By Design Workpapers .xls" and "Savings By Design Workpapers.doc"

Southern California Gas Company
2006 - 2008 Program Cycle Workpapers

Codes & Standards Program (CS4)**MsR # 322001** **Desc:** C&S from Mahone Report - Therms**Grs kWh:** **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **Run Hours:** **NTG:** 0.50**End Use:** Other **Units:** **Life:** 10 **Incentive:** **MsR Cost:** \$0.00**Measure Life Type:** **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Southern California Gas Company
2006 - 2008 Program Cycle Workpapers

IOU/Community College Partnership (CCP4)**Msr # 324001** **Desc: Gas Measures****Grs kWh:** 0.00**Grs Therms:** 1.00**Grs kW:** 0.00**Grs NC kW:****Run Hours:****NTG:** 0.80**End Use:** Other**Units:** Therm**Life:** 10**Incentive:** \$2.00**Msr Cost:** \$1.80**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Cost Comment (12/09/05 05:26pm) - IMC from SPC program.

California Urban Water Conservation Council (CUW4)**Msr # 328004 Desc: Spray Valve 3 Year****Grs kWh:** 0.00**Grs Therms:** 317.58**Grs kW:** 0.00**Grs NC kW:****Run Hours:****NTG:** 0.80**End Use:** Water Heating**Units:** Unit**Life:** 3**Incentive:** \$81.00**Msr Cost:** \$81.00**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (01/24/06 03:57pm) - Workpapers_CUWCC.doc

Cost Comment (01/25/06 03:57pm) - Workpapers_CUWCC.doc

Southern California Gas Company
2006 - 2008 Program Cycle Workpapers

3P Gas Cooling Upgrade Program (GCU4)**Msr # 345001** **Desc:** Gas Cooling Unit Upgrade**Grs kWh:** 0.00**Grs Therms:** 864.61**Grs kW:** 0.00**Grs NC kW:****Run Hours:****NTG:** 0.80**End Use:****Units:** Units**Life:** 15**Incentive:** \$500.00**Msr Cost:** \$1,000.00**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Southern California Gas Company
2006 - 2008 Program Cycle Workpapers

3P Laundry Coin-Op Program (LCO4)

Msr # 351001	Desc: MF, Gas Clothes Washer					
Grs kWh: 0.00	Grs Therms: 79.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.80	
End Use:	Units: Washing Machine	Life: 10	Incentive: \$136.50		Msr Cost: \$425.00	
Measure Life Type:	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction				

Msr # 351002	Desc: NonRes, Gas Clothes Washer					
Grs kWh: 0.00	Grs Therms: 79.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.80	
End Use:	Units: Washing Machine	Life: 8	Incentive: \$136.50		Msr Cost: \$425.00	
Measure Life Type:	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction				

Msr # 351003	Desc: NonRes, Gas Pipe Insulation					
Grs kWh: 0.00	Grs Therms: 9.00	Grs kW: 0.00	Grs NC kW:	Run Hours:	NTG: 0.80	
End Use:	Units: Installation	Life: 15	Incentive: \$40.00		Msr Cost: \$39.33	
Measure Life Type:	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction				
