

#SW-C&SA - Building Standards Advocacy (#SW-C&SA)**Msr # 501002 Desc: 2003 Title 24 (50%) HMG Whitepaper 6-24-09****Grs kWh:** 0.00**Grs Therms:** 1.00**Grs kW:****Grs NC kW:****NTG:** 1.00**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Lighting**Units:** Therm**Life:** 13**Qty:** 751,394**Incentive:** \$0.00**Msr Cost:** \$1.17**Measure Life Type:** NEW**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (06/25/09 09:29am) - See HMG Whitepaper - units were changed to Therms from 1,000 Therms

Msr # 501003 Desc: 2004 Title 20 (50%) HMG Whitepaper 6-24-09**Grs kWh:****Grs Therms:** 1.00**Grs kW:****Grs NC kW:****NTG:** 1.00**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating**Units:** Therm**Life:** 8**Qty:** 1,646,269**Incentive:** \$0.00**Msr Cost:** \$0.38**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (06/25/09 09:32am) - See HMG Whitepaper - units were changed to Therms from 1,000 Therms

Msr # 501004 Desc: 2008 Title 24 (80%) HMG Whitepaper 6-24-09**Grs kWh:****Grs Therms:** 1.00**Grs kW:****Grs NC kW:****NTG:** 1.00**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating**Units:** Therm**Life:** 15**Qty:** 1,043,638**Incentive:** \$0.00**Msr Cost:** \$1.88**Measure Life Type:** NEW**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (06/25/09 09:34am) - See HMG Whitepaper - units were changed to Therms from 1,000 Therms

#y LIEE - Low Income EE (LIEE) (#y LIEE)**Msr # 502001 Desc: Placeholder for LIEE**

Grs kWh:	Grs Therms: 1.00	Grs kW:	Grs NC kW:	NTG: 1.00
Run Hours:	Interactive Eff. kW:	Interactive Eff. kWh:	Coincidence Factor kW:	
End Use:	Units: Pgm	Life: 15	Qty: 9,202,958	Incentive:
Measure Life Type:	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction	Msr Cost: \$0.00	

#3P-Res03 - Multifamily Home Tune-Up (#3P-Res03)**Msr # 503001 Desc: Residential Duct Test and Sealing****Grs kWh:** 92.8805**Grs Therms:** 9.57979**Grs kW:** 0.13661**Grs NC kW:****NTG:** 0.78**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** Home**Life:** 18**Qty:** 5,497**Incentive:** \$497.62**Msr Cost:** \$497.62**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 10:05pm) - SFM-wSCG-vEx-hAC-tWt-bCA-eMS-mRB-HV-SFDuctSeal-24pct-12pct + Duct Sealing (Total Leakage Reduced from 24% of AHU flow to 12%)

Cost Comment (02/21/09 10:06pm) - Duct Sealing (Total Leakage Reduced from 24% of AHU flow to 12%)

#3P-Res04 - Multifamily Solar Pool Heating (#3P-Res04)**Msr # 504001 Desc: Solar Pool Heaters, gas back-up****Grs kWh:** **Grs Therms:** 4,000.00**Grs kW:****Grs NC kW:****NTG:** 0.85**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** 1000 sqft pool are:**Life:** 15**Qty:** 109**Incentive:** \$11,250.00**Msr Cost:** \$11,250.00**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (07/11/08 04:30pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

#3P-Res06 - Multifamily Direct Therm Savings (#3P-Res06)**Msr # 505001 Desc: Water Heating Controls**

Grs kWh:	Grs Therms: 1.00	Grs kW:	Grs NC kW:	NTG: 0.70
Run Hours:	Interactive Eff. kW:	Interactive Eff. kWh:	Coincidence Factor kW:	
End Use: Water Heating	Units: Therm	Life: 10	Qty: 2,062,710	Incentive: \$1.00
Measure Life Type:	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction		

Msr Cost: \$1.00

General Comment (07/11/08 04:30pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

Cost Comment (02/26/09 07:32am) - The cost is estimated since this is a representative measure for a third party program not finalized. Since the incentive may not exceed the cost, the cost is set to the incentive to be conservative.

#3P-Res09 - Manufactured Mobile Home (#3P-Res09)**Msr # 506001 Desc: Low Flow Showerhead****Grs kWh:** 0.00**Grs Therms:** 4.80**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Showerhead**Life:** 10**Qty:** 18,322**Incentive:** \$31.06**Msr Cost:** \$31.06**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (07/11/08 04:30pm) - Measure is expected to be direct install. Savings from 3P

Cost Comment (07/12/08 05:17pm) - DEER 2008 ID: showerhead - 2.5 gal/minute, including labor

Msr # 506002 Desc: Faucet Aerators**Grs kWh:** 0.00**Grs Therms:** 6.047**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Household**Life:** 10**Qty:** 18,322**Incentive:** \$13.24**Msr Cost:** \$13.24**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction**DEER Run ID:**RMFM10AVWHFau**Weight %:** 100**Name:** Faucet Aerators

General Comment (07/11/08 04:30pm) - Measure is expected to be direct install.

Cost Comment (07/12/08 05:17pm) - DEER 2008 ID: HWU-0p5G, including labor.

Savings Comment (03/10/09 02:31pm) - Savings are from 2005 DEER

#3P-Xc02 - SaveGas – Hot Water Control (#3P-Xc02)**Msr # 507001 Desc: DWH Controllers****Grs kWh:** **Grs Therms:** 35.00**Grs kW:****Grs NC kW:****NTG:** 0.70**Run Hours:** **Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Room**Life:** 10**Qty:** 12,948**Incentive:** \$135.00**Msr Cost:** \$135.00**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (07/11/08 04:30pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

#SW-AgA - Calculated (#SW-AgA)**Msr # 508001 Desc: PER Boiler Replacement****Grs kWh:** 0.00**Grs Therms:** 1.00**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.64**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Other**Units:** Therm**Life:** 20**Qty:** 1,148,185**Incentive:** \$1.00**Msr Cost:** \$1.00**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (10/03/06 04:22pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls"

General Comment (02/26/09 10:18am) - Since the incentive may not exceed the cost, the cost is set to the incentive to be conservative.

Msr # 508002 Desc: Burners and burner related equipment (IEU)**Grs kWh:****Grs Therms:** 1.00**Grs kW:****Grs NC kW:****NTG:** 0.64**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Other**Units:** Therm**Life:** 20**Qty:** 1,812,116**Incentive:** \$1.00**Msr Cost:** \$1.00**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (04/22/08 05:29pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls"

Cost Comment (02/26/09 08:13am) - Since the incentive may not exceed the cost, the cost is set to the incentive to be conservative.

Msr # 508003 Desc: Equipment repair/upgrades (IEU)**Grs kWh:** 0.00**Grs Therms:** 1.00**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.64**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Other**Units:** Therm**Life:** 3**Qty:** 496,528**Incentive:** \$1.00**Msr Cost:** \$1.00**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (04/22/08 05:29pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls"

Cost Comment (02/26/09 08:15am) - Since the incentive may not exceed the individual per unit incremental measure cost, the cost is set to the incentive to be conservative.

#SW-AgB - Deemed (#SW-AgB)**Msr # 509001 Desc: Infrared Film for Greenhouses****Grs kWh:** 0.00**Grs Therms:** 0.128**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** SQFT**Life:** 5**Qty:** 12,080,367**Incentive:** \$0.03**Msr Cost:** \$0.03**Measure Life Type:** ROB **Climate Zone:** San Diego**Baseline Vintage:** No vintage distinction

General Comment (11/01/05 08:07am) - See "Greenhouse IR Film PGECOAGR102 R0.pdf"

Msr # 509002 Desc: Greenhouse Heat Curtain**Grs kWh:** 0.00**Grs Therms:** 0.191**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** SQFT**Life:** 5**Qty:** 13,109,824**Incentive:** \$1.50**Msr Cost:** \$1.50**Measure Life Type:** ROB **Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (11/01/05 08:09am) - See "Greenhouse Thermal Curtains PGECOAGR101 R0.pdf"

Cost Comment (12/14/06 10:38am) - DEER 2005 is the source for cost data.

#SW-ComA - Calculated (#SW-ComA)

Msr # 510001 **Desc:** Steam Traps
Grs kWh: **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.64
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Other **Units:** Therm **Life:** 6 **Qty:** 1,655,035 **Incentive:** \$1.00 **Msr Cost:** \$1.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Cost Comment (04/22/08 07:11am) - Since the incentive may not exceed the individual per unit incremental measure cost, the cost is set to the incentive to be conservative.
 General Comment (02/25/09 09:23pm) - Savings are per therm. Savings will be calculated on a project by project basis.

Msr # 510002 **Desc:** CPI Equip. Modernization
Grs kWh: **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.64
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Other **Units:** Therm **Life:** 20 **Qty:** 3,368,774 **Incentive:** \$1.00 **Msr Cost:** \$1.03
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (06/17/09 08:48pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls" in the NR_Calculated folder.

Msr # 510003 **Desc:** Boiler Replacement
Grs kWh: **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.64
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Other **Units:** Therm **Life:** 20 **Qty:** 103,974 **Incentive:** \$1.00 **Msr Cost:** \$1.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (06/17/09 08:50pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

Cost Comment (06/17/09 08:50pm) - Since the incentive may not exceed the individual per unit incremental measure cost, the cost is set to the incentive to be conservative.

Msr # 510004 **Desc:** Nonresidential Equipment Modernization/Upgrades
Grs kWh: **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.64
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Other **Units:** Therm **Life:** 20 **Qty:** 332,719 **Incentive:** \$1.25 **Msr Cost:** \$1.25
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (06/17/09 08:55pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

#SW-ComB - Deemed (#SW-ComB)

Msr # 511001 **Desc:** Water Heating -Commercial Pool Heater
Grs kWh: 0.00 **Grs Therms:** 2.41 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.70
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Water Heating **Units:** MBTUH **Life:** 5 **Qty:** 258,560 **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 # 511002 **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:** **NTG:** 0.70
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Other **Units:** LinearFt **Life:** 20 **Qty:** 179,207 **Incentive:** \$16.57 **Msr Cost:** \$16.57
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
 Savings Comment (04/11/07 03:37pm) - See "Pipe and Tank Insulation Workpaper.doc"
 Cost Comment (04/23/08 12:27pm) - See "Pipe and Tank Insulation Workpaper.doc"

Msr # 511003 **Desc:** High Efficiency Small Gas Storage Water Heater - 50 Gal , 0.62 EF (50,000 btu)
Grs kWh: **Grs Therms:** 0.51704 **Grs kW:** **Grs NC kW:** **NTG:** 0.70
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Water Heating **Units:** MBTUH **Life:** 11 **Qty:** 25,437 **Incentive:** \$2.90 **Msr Cost:** \$2.90
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
 Savings Comment (03/10/09 03:21pm) - RFF-wSCG-vEx-bCA-eMS-mNG-WtrHt-SmlStrg-Gas-lte75kBtuh-50G-0p62EF
 Cost Comment (03/10/09 03:23pm) - High Efficiency Small Gas Storage Water Heater - 50 Gal , 0.62 EF - Inc cost = \$144.82/50 gals = \$2.90

Msr # 511004 **Desc:** High Efficiency Large Gas Storage Water Heater - 0.83 Et 100,000 btu)
Grs kWh: **Grs Therms:** 2.99976 **Grs kW:** **Grs NC kW:** **NTG:** 0.70
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Water Heating **Units:** MBTUH **Life:** 11 **Qty:** 139,902 **Incentive:** \$2.00 **Msr Cost:** \$2.09
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
 Cost Comment (02/26/09 08:35am) - Storage-gt75kBtuh-ge82pctTE - assume 100 KBTU: 2.09 per MBTUH = \$209/100KBTU
 Savings Comment (03/10/09 03:32pm) - Htl-wSCG-vEx-bCA-eMS-mNG-WtrHt-LrgStrg-Gas-gte75kBtuh-0p83Et

#SW-IndA - Calculated (#SW-IndA)

Msr # 512001 **Desc:** CPI Heat Recovery
Grs kWh: 0.00 **Grs Therms:** 1.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.64
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Other **Units:** Therm **Life:** 20 **Qty:** 7,986,527 **Incentive:** \$1.21 **Msr Cost:** \$1.34
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
General Comment (03/15/07 04:55pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls" in the NR_Calculated folder.

Msr # 512002 **Desc:** PER Misc. Process Equip. and Replacement Equip
Grs kWh: 0.00 **Grs Therms:** 1.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.64
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Other **Units:** Therm **Life:** 20 **Qty:** 9,168,606 **Incentive:** \$5.90 **Msr Cost:** \$6.55
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
General Comment (10/03/06 04:22pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls" in the NR_Calculated folder.

Msr # 512003 **Desc:** CPI Equip. Modernization
Grs kWh: 0.00 **Grs Therms:** 1.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.64
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Other **Units:** Therm **Life:** 20 **Qty:** 13,597,438 **Incentive:** \$0.93 **Msr Cost:** \$1.03
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
General Comment (03/15/07 04:52pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls" in the NR_Calculated folder.

Msr # 512006 **Desc:** Boiler Replacement
Grs kWh: **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.64
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Space Cooling/Heating **Units:** Therm **Life:** 20 **Qty:** 421,408 **Incentive:** \$0.90 **Msr Cost:** \$1.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
General Comment (07/11/08 04:30pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.
Cost Comment (02/26/09 10:16am) - Since the incentive may not exceed the cost, the cost is set to the incentive to be conservative.

#SW-IndA - Calculated (#SW-IndA)**Msr # 512007 Desc: Nonresidential Equipment Modernization/Upgrades**

Grs kWh:	Grs Therms: 1.00	Grs kW:	Grs NC kW:	NTG: 0.64
Run Hours:	Interactive Eff. kW:	Interactive Eff. kWh:	Coincidence Factor kW:	
End Use: Other	Units: Therm	Life: 20	Qty: 674,253	Incentive: \$1.13
Measure Life Type:	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction		

General Comment (07/11/08 04:30pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

Msr # 512009 Desc: Burners and burner related equipment (IEU)

Grs kWh: 0.00	Grs Therms: 1.00	Grs kW: 0.00	Grs NC kW:	NTG: 0.64
Run Hours:	Interactive Eff. kW:	Interactive Eff. kWh:	Coincidence Factor kW:	
End Use: Other	Units: Therm	Life: 20	Qty: 1,681,912	Incentive: \$0.90
Measure Life Type: RET	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction		

General Comment (06/17/09 08:15pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls" in the NR_Calculated folder.

Cost Comment (06/17/09 08:15pm) - Since the incentive may not exceed the individual per unit incremental measure cost, the cost is set to the incentive to be conservative.

Msr # 512010 Desc: Equipment repair/upgrades (IEU)

Grs kWh:	Grs Therms: 1.00	Grs kW:	Grs NC kW:	NTG: 0.64
Run Hours:	Interactive Eff. kW:	Interactive Eff. kWh:	Coincidence Factor kW:	
End Use: Other	Units: Therm	Life: 3	Qty: 460,852	Incentive: \$0.90
Measure Life Type: RET	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction		

General Comment (06/17/09 08:41pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls" in the NR_Calculated folder.

Cost Comment (06/17/09 08:41pm) - Since the incentive may not exceed the individual per unit incremental measure cost, the cost is set to the incentive to be conservative.

#SW-IndB - Deemed (#SW-IndB)**Msr # 513001 Desc: Tank Insulation - High Temperature Applic. (LF) 2 in****Grs kWh:** 0.00**Grs Therms:** 10.40**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** SQFT**Life:** 20**Qty:** 245,973**Incentive:** \$3.60**Msr Cost:** \$4.00**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" - set to \$4 since DEER does not identify the square feet of insulation and the saving are not updated.

Msr # 513002 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:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** LinearFt**Life:** 20**Qty:** 53,746**Incentive:** \$3.27**Msr Cost:** \$3.63**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) - DEER 2008 ID: PipeIns-1inch-120to200F-hth2o

Msr # 513003 Desc: EER Convection Oven**Grs kWh:** 0.00**Grs Therms:** 323.00**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Cooking**Units:** Unit**Life:** 12**Qty:** 1,849**Incentive:** \$2,829.60**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

#SW-IndB - Deemed (#SW-IndB)**Msr # 513004 Desc: EER Fryer - High Effic. Unit****Grs kWh:** 0.00**Grs Therms:** 505.00**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Cooking**Units:** Unit**Life:** 12**Qty:** 1,129**Incentive:** \$3,416.40**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

Msr # 513005 Desc: EER Cabinet Steamer Tier II**Grs kWh:** 0.00**Grs Therms:** 8.67**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Cooking**Units:** MBTUH**Life:** 12**Qty:** 318,438**Incentive:** \$10.00**Msr Cost:** \$11.11**Measure Life Type:** ROB**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinctionSavings 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)

#SW-NCNR - NRNC Savings By Design (#SW-NCNR)**Msr # 514001 Desc: Whole Building (per Therm)****Grs kWh:** 20.00**Grs Therms:** 1.00**Grs kW:** 0.0022**Grs NC kW:****NTG:** 0.93**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** Therm**Life:** 20**Qty:** 1,732,419**Incentive:** \$3.03**Msr Cost:** \$3.03**Measure Life Type:** NEW**Climate Zone:** Region-wide**Baseline Vintage:** Built 2006 and later (measures as new construction for nonresidential)

Savings Comment (04/21/08 06:27am) - Savings are per Therm. Calculated on a site by site basis

Cost Comment (04/23/08 04:20pm) - See HMG IMC White Paper v1.doc at page 11.

#SW-NCResA - RNC (#SW-NCResA)

Msr # 515001 Desc: Whole Building Gas
Grs kWh: 20.00 Grs Therms: 1.00 Grs kW: 0.022 Grs NC kW: NTG: 0.41
Run Hours: Interactive Eff. kW: Interactive Eff. kWh: Coincidence Factor kW:
End Use: Space Cooling/Heating Units: Home Life: 20 Qty: 837,606 Incentive: \$6.40 Msr Cost: \$6.40
Measure Life Type: NEW Climate Zone: Region-wide Baseline Vintage: No vintage distinction
General Comment (04/17/08 08:00am) - See SW-NCResA Folder

#SW-ResA - Multifamily EE Rebates (#SW-ResA)

Msr # 516004 Desc: Attic Insulation - MF
Grs kWh: 0.17975 **Grs Therms:** 0.04524 **Grs kW:** 0.0001 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Space Cooling/Heating **Units:** SQFT **Life:** 20 **Qty:** 124,591 **Incentive:** \$0.76 **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.

Cost Comment (07/12/08 03:51pm) - DEER 2008 Id: D08-RB-BS-FIRIns-R19-R30

Msr # 516005 Desc: Central System Natural Gas Water Heater
Grs kWh: 0.00 **Grs Therms:** 257.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.70
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Water Heating **Units:** Unit **Life:** 13 **Qty:** 1,710 **Incentive:** \$208.88 **Msr Cost:** \$514.00
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) - Need DEER 2008 Update: measure cost set to rebate per unit saved = \$2 8 257 = \$514

Msr # 516006 Desc: Central System Gas Boiler: Water Heating Only
Grs kWh: 0.00 **Grs Therms:** 750.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.70
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Water Heating **Units:** Unit **Life:** 15 **Qty:** 555 **Incentive:** \$4,060.00 **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)

General Comment (08/17/07 07:55am) - See workpapers

#SW-ResA - Multifamily EE Rebates (#SW-ResA)

Msr # 516007 Desc: Gas Wtr Htr Controller Small Complex
Grs kWh: 0.00 **Grs Therms:** 850.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.81
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Water Heating **Units:** Unit **Life:** 10 **Qty:** 767 **Incentive:** \$1,400.00 **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) - See "2006-2008 water-heater controller workpaper.doc". PY 2009 savings will be calculated on a project by project basis.

Msr # 516008 Desc: Energy Star Dishwasher EF=.65 - MF
Grs kWh: 0.00 **Grs Therms:** 3.90 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Water Heating **Units:** Unit **Life:** 11 **Qty:** 10,385 **Incentive:** \$297.45 **Msr Cost:** \$297.45
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
 Savings Comment (11/11/05 05:40pm) - See: Dishwasher standards update conversion.xls"
 General Comment (04/23/08 03:56pm) - DEER 2008 ID: Dishwasher, EF=0.65, 215 wash cycles/year
 Cost Comment (02/21/09 10:06pm) - EffDW-StdSize-Elec-0p68 +

Msr # 516010 Desc: Gas Wtr Htr Controller Large Complex
Grs kWh: 0.00 **Grs Therms:** 1,699.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.81
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Water Heating **Units:** Unit **Life:** 10 **Qty:** 1,424 **Incentive:** \$1,550.00 **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) - See "2006-2008 water-heater controller workpaper.doc". PY 2009 savings will be calculated on a project by project basis.

Msr # 516011 Desc: Pipe Wrap
Grs kWh: 0.00 **Grs Therms:** 8.063 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.70
Run Hours: **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**
End Use: Water Heating **Units:** Household **Life:** 11 **Qty:** 14,109 **Incentive:** \$6.81 **Msr Cost:** \$6.81
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction
DEER Run ID: RSFM01AVWHPwr-A **Weight %:** 100 **Name:** Pipe Wrap
 Cost Comment (06/17/09 08:59pm) - DEER 2008 ID: PipeIns-1inch-200to250F-It15psigsteam - D08
 Savings Comment (06/17/09 09:00pm) - DEER 2005

#SW-ResB - Home Efficiency Rebates (#SW-ResB)**Msr # 517001 Desc: Attic Insulation - SF****Grs kWh:** 0.16305**Grs Therms:** 0.03133**Grs kW:** 0.0001**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** SQFT**Life:** 20**Qty:** 16,709,751**Incentive:** \$0.61**Msr Cost:** \$0.61**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.

Cost Comment (04/11/07 05:14pm) - DEER 2008 Id: D08-RB-BS-FlrIns-R19-R30

Msr # 517002 Desc: Wall Insulation**Grs kWh:** 0.4139**Grs Therms:** 0.09928**Grs kW:** 0.00019**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** SQFT**Life:** 20**Qty:** 4,837,001**Incentive:** \$0.94**Msr Cost:** \$0.94**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

Cost Comment (04/11/07 05:14pm) - Deer 2008 Id: D08-RB-BS-BlowInIns-R0-R13

Msr # 517003 Desc: Energy Star Labeled Dishwasher EF>=0.65 - SF**Grs kWh:** 0.00**Grs Therms:** 5.30**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.40**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Unit**Life:** 11**Qty:** 157,262**Incentive:** \$297.45**Msr Cost:** \$297.45**Measure Life Type:** ROB**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (11/09/05 05:38pm) - See: Dishwasher standards update conversion.xls"

Cost Comment (02/21/09 10:06pm) - EffDW-StdSize-Elec-0p68

#SW-ResB - Home Efficiency Rebates (#SW-ResB)

Msr # 517004 Desc: Central Gas Furnace 92% AFUE**Grs kWh:** 0.00**Grs Therms:** 0.43202**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** KBTUH**Life:** 20**Qty:** 555,770**Incentive:** \$5.80**Msr Cost:** \$5.80**Measure Life Type:** ROB**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 10:05pm) - SFM-wSCG-vEx-hAC-tWt-bCA-eMS-mRG-HV-EffFurn-92AFUE + High Efficiency Furnace 92 AFUE(1.08 HIR)

Cost Comment (02/21/09 10:06pm) - EffFurn-cond-92AFUE + High Efficiency Furnace 92 AFUE(1.08 HIR)

Msr # 517005 Desc: Energy Star Clothes Washer - MEF=1.80**Grs kWh:** 0.00**Grs Therms:** 25.03997**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.81**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Unit**Life:** 11**Qty:** 157,262**Incentive:** \$147.69**Msr Cost:** \$147.69**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

Cost Comment (02/21/09 10:06pm) - Clothes Washer - CEE Tier 2 - Med - (Gas DHW - Gas Dryer)

Msr # 517006 Desc: Kitchen and Lavatory Faucet Aerators/Self Install**Grs kWh:** 0.00**Grs Therms:** 14.55**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Household**Life:** 10**Qty:** 110,438**Incentive:** \$6.54**Msr Cost:** \$6.54**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/17/09 03:10pm) - See Wather Saving Kits folder

Cost Comment (06/17/09 03:11pm) - DEER 2008 Id: HWU-0p5G

Msr # 517007 Desc: Low Flow Showerhead (1.5 gpm) /Self Install**Grs kWh:** 0.00**Grs Therms:** 8.62**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Showerhead**Life:** 10**Qty:** 110,438**Incentive:** \$14.32**Msr Cost:** \$14.32**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/17/09 03:15pm) - The shower head provided is 1.5 gpm compared to the 2.0 gmp assumed in DEER. See workpapers. See "SF_WH_Kits" folder.

Cost Comment (06/17/09 03:15pm) - DEER 2008 Id: HWU-0p5G

#SW-ResB - Home Efficiency Rebates (#SW-ResB)**Msr # 517008 Desc: Gas Storage Water Heater (EF>= 0.62)****Grs kWh:** **Grs Therms:** 19.508**Grs kW:****Grs NC kW:****NTG:** 0.58**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Unit**Life:** 13**Qty:** 11,542**Incentive:** \$67.24**Msr Cost:** \$67.24**Measure Life Type:** ROB**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/19/09 11:11am) - SFM-wSCG-vEx-hAC-tWt-bCA-eMS-mRG-WtrHt-SmlStrg-Gas-lte75kBtuh-40G-0p62EF + High Efficiency Small Gas Storage Water Heater - 40 Gal , 0.62 EF

Cost Comment (06/19/09 11:11am) - EWH-40G-0p626EF + High Efficiency Small Gas Storage Water Heater - 40 Gal , 0.62 EF

Msr # 517009 Desc: Tankless Water Heater**Grs kWh:** **Grs Therms:** 30.235**Grs kW:****Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Unit**Life:** 20**Qty:** 1,979**Incentive:** \$285.47**Msr Cost:** \$285.47**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/19/09 11:13am) - SFM-wSCG-vEx-hAC-tWt-bCA-eMS-mRG-WtrHt-SmlInst-Gas-lte75kBtuh-lt2G-0p82EF + High Efficiency Small Gas Instantaneous Water Heater

Cost Comment (06/19/09 11:13am) - InsHtr-76to200kBtuh-ge63pctEF-lt10gal + High Efficiency Small Gas Instantaneous Water Heater

#Local02 - Local Whole Home Performance (#Local02)**Msr # 518001 Desc: Attic Insulation - SF****Grs kWh:** 0.16305**Grs Therms:** 0.03133**Grs kW:** 0.0001**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** SQFT**Life:** 20**Qty:** 1,856,638**Incentive:** \$0.61**Msr Cost:** \$0.61**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 (06/17/09 03:30pm) - Savings are converted to per square foot consistent with program and IMC. Used Riverside climate zone as representative climate zone for the forecast.

Cost Comment (06/17/09 03:30pm) - DEER 2008 Id: D08-RB-BS-FlrIns-R19-R30

Msr # 518002 Desc: Wall R-0 to R-13 Insulation**Grs kWh:** 0.4139**Grs Therms:** 0.09928**Grs kW:** 0.00019**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** SQFT**Life:** 20**Qty:** 537,445**Incentive:** \$0.94**Msr Cost:** \$0.94**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction**DEER Run ID:**RSFm1075RW413**Weight %:** 100**Name:** Wall Blow-In R-0 to R-13 Insulation

General Comment (06/17/09 03:36pm) - Converted from per 1,000 sqft to sqft

General Comment (06/17/09 03:36pm) - Deer 2008 Id: D08-RB-BS-BlowInIns-R0-R13

Msr # 518003 Desc: Central Gas Furnace 92% AFUE**Grs kWh:** 0.00**Grs Therms:** 0.432**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** KBTUH**Life:** 20**Qty:** 61,752**Incentive:** \$5.80**Msr Cost:** \$5.80**Measure Life Type:** ROB**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/17/09 03:51pm) - SFM-wSCG-vEx-hAC-tWt-bCA-eMS-mRG-HV-EffFurn-92AFUE + High Efficiency Furnace 92 AFUE(1.08 HIR)

Cost Comment (06/17/09 03:52pm) - EffFurn-cond-92AFUE + High Efficiency Furnace 92 AFUE(1.08 HIR)

#Local02 - Local Whole Home Performance (#Local02)**Msr # 518004 Desc: Kitchen and Lavatory Faucet Aerators/Self Install****Grs kWh:** 0.00**Grs Therms:** 14.55**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Household**Life:** 10**Qty:** 12,271**Incentive:** \$6.54**Msr Cost:** \$6.54**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/17/09 04:00pm) - See "SF_WH_Kits" folder.

Cost Comment (06/17/09 04:00pm) - DEER 2008 Id: HWU-0p5G

Msr # 518005 Desc: Low Flow Showerhead (1.5 gpm) /Self Install**Grs kWh:** 0.00**Grs Therms:** 8.62**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Showerhead**Life:** 10**Qty:** 12,271**Incentive:** \$14.32**Msr Cost:** \$14.32**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/17/09 04:03pm) - The shower head provided is 1.5 gpm compared to the 2.0 gpm assumed in DEER. See workpapers. See "SF_WH_Kits" folder.

Cost Comment (06/17/09 04:03pm) - DEER 2008 Id: HWU-0p5G

Msr # 518006 Desc: Energy Star Clothes Washer - MEF=1.80**Grs kWh:** 0.00**Grs Therms:** 25.03997**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.81**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Unit**Life:** 14**Qty:** 15,472**Incentive:** \$147.69**Msr Cost:** \$147.69**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

Cost Comment (06/17/09 05:06pm) - Clothes Washer - CEE Tier 2 - Med - (Gas DHW - Gas Dryer)

Msr # 518007 Desc: Gas Storage Water Heater (EF>= 0.62)**Grs kWh:** 0.00**Grs Therms:** 19.508**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.58**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Unit**Life:** 13**Qty:** 1,283**Incentive:** \$67.24**Msr Cost:** \$67.24**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/17/09 05:09pm) - SFM-wSCG-vEx-hAC-tWt-bCA-eMS-mRG-WtrHt-SmlStrg-Gas-lte75kBtuh-40G-0p62EF + High Efficiency Small Gas Storage Water Heater - 40 Gal , 0.62 EF

Cost Comment (06/17/09 05:09pm) - EWH-40G-0p626EF + High Efficiency Small Gas Storage Water Heater - 40 Gal , 0.62 EF

#Local02 - Local Whole Home Performance (#Local02)**Msr # 518008 Desc: Tankless Water Heater****Grs kWh:** 0.00**Grs Therms:** 30.235**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Unit**Life:** 20**Qty:** 220**Incentive:** \$285.47**Msr Cost:** \$285.47**Measure Life Type:** ROB**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/17/09 05:24pm) - SFM-wSCG-vEx-hAC-tWt-bCA-eMS-mRG-WtrHt-SmllInst-Gas-lte75kBtuh-lt2G-0p82EF + High Efficiency Small Gas Instantaneous Water Heater

Cost Comment (06/17/09 05:24pm) - InsHtr-76to200kBtuh-ge63pctEF-lt10gal + High Efficiency Small Gas Instantaneous Water Heater

Msr # 518009 Desc: Residential Duct Test and Sealing**Grs kWh:** 92.8805**Grs Therms:** 9.57979**Grs kW:** 0.13661**Grs NC kW:****NTG:** 0.78**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating**Units:** Home**Life:** 18**Qty:** 1,350**Incentive:** \$497.62**Msr Cost:** \$497.62**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/17/09 05:41pm) - SFM-wSCG-vEx-hAC-tWt-bCA-eMS-mRB-HV-SFDuctSeal-24pct-12pct + Duct Sealing (Total Leakage Reduced from 24% of AHU flow to 12%)

Cost Comment (06/17/09 05:41pm) - Duct Sealing (Total Leakage Reduced from 24% of AHU flow to 12%)

Msr # 518010 Desc: Energy Star Labeled Dishwasher EF>=0.65 - SF**Grs kWh:****Grs Therms:** 5.30**Grs kW:****Grs NC kW:****NTG:** 0.80**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** Unit**Life:** 11**Qty:** 17,474**Incentive:** \$297.45**Msr Cost:** \$297.45**Measure Life Type:** ROB**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/19/09 11:26am) - See: Dishwasher standards update conversion.xls"

Cost Comment (06/19/09 11:26am) - EffDW-StdSize-Elec-0p68

#Local05 - Local Non-Residential BID (#Local05)**Msr # 519001 Desc: PER Misc. Process Equip. and Replacement Equip**

Grs kWh:	Grs Therms: 1.00	Grs kW:	Grs NC kW:	NTG: 0.64
Run Hours:	Interactive Eff. kW:	Interactive Eff. kWh:	Coincidence Factor kW:	
End Use: Other	Units: Therm	Life: 20	Qty: 1,309,959	Incentive: \$6.55
Measure Life Type: RET	Climate Zone: Region-wide	Baseline Vintage: No vintage distinction		Msr Cost: \$6.55

General Comment (06/17/09 08:45pm) - See "BEEP 2006_07 Data Custom Measure Cost and Projects.xls"

#3P-NRes3 - Small Industrial Facility Upgrades (#3P-NRes3)**Msr # 520001 Desc: Process Optimization****Grs kWh:** **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.64**Run Hours:** **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:****End Use:** Other **Units:** Therm **Life:** 20 **Qty:** 421,408 **Incentive:** \$6.55 **Msr Cost:** \$6.55**Measure Life Type:** RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (06/19/09 10:10am) - 3 Party program - used SoCal value as placeholder: Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.