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**SW-C&SA - Building Standards Advocacy (SW-C&SA)****Msr # 401004 Desc: 2003 Title 24 (50%) HMG Whitepaper 6-24-09**

**Grs kWh:** 1,000.00      **Grs Therms:** -2.92695      **Grs kW:** 0.44375      **Grs NC kW:**      **NTG:** 1.00  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** 1000 KWH      **Life:** 13      **Qty:** 5,237      **Incentive:** \$0.00      **Msr Cost:** \$252.28  
**Measure Life Type:** NEW      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
General Comment (06/25/09 09:09am) - See HMG Whitepaper

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**Msr # 401005 Desc: 2004 Title 20 (50%) HMG Whitepaper 6-24-09**

**Grs kWh:** 1,000.00      **Grs Therms:** -0.06312      **Grs kW:** 0.18954      **Grs NC kW:**      **NTG:** 1.00  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** 1000 KWH      **Life:** 8      **Qty:** 17,033      **Incentive:** \$0.00      **Msr Cost:** \$344.41  
**Measure Life Type:** NEW      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
General Comment (06/25/09 09:10am) - See HMG Whitepaper

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**Msr # 401006 Desc: 2006 Title 20 Tier II Lighting (50%) HMG Whitepaper 6-24-09**

**Grs kWh:** 1,000.00      **Grs Therms:** -23.17888      **Grs kW:** 0.13019      **Grs NC kW:**      **NTG:** 1.00  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** 1000 KWH      **Life:** 6      **Qty:** 12,972      **Incentive:** \$0.00      **Msr Cost:** \$140.59  
**Measure Life Type:** NEW      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
General Comment (06/25/09 09:16am) - See HMG Whitepaper

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**Msr # 401007 Desc: 2008 Title 24 (80%) HMG Whitepaper 6-24-09**

**Grs kWh:** 1,000.00      **Grs Therms:** 32.20045      **Grs kW:** 0.27687      **Grs NC kW:**      **NTG:** 1.00  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** 1000KWH      **Life:** 15      **Qty:** 2,277      **Incentive:** \$0.00      **Msr Cost:** \$285.70  
**Measure Life Type:** NEW      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
General Comment (06/25/09 09:18am) - See HMG Whitepaper

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**SW-C&SA - Building Standards Advocacy (SW-C&SA)****Msr # 401008 Desc: 2008 Title 20 (100%) HMG Whitepaper 6-24-09**

**Grs kWh:** 1,000.00      **Grs Therms:** -18.02165      **Grs kW:** 0.11959      **Grs NC kW:**      **NTG:** 1.00  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** 1000 KWH      **Life:** 3      **Qty:** 5,125      **Incentive:** \$0.00      **Msr Cost:** \$182.56  
**Measure Life Type:** NEW      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
General Comment (06/25/09 09:21am) - See HMG Whitepaper

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**Msr # 401009 Desc: 2009 Title 20 100%) HMG Whitepaper 6-24-09**

**Grs kWh:** 1,000.00      **Grs Therms:** -18.54861      **Grs kW:** 0.12495      **Grs NC kW:**      **NTG:** 1.00  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** 1000 KWH      **Life:** 6      **Qty:** 9,363      **Incentive:** \$0.00      **Msr Cost:** \$61.41  
**Measure Life Type:** NEW      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
General Comment (06/25/09 09:23am) - See HMG Whitepaper

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**San Diego Gas & Electric  
2009 Program Cycle Workpapers**

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**y LIEE - Low Income EE (LIEE) (y LIEE)**

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<b>Msr # 402001</b>	<b>Desc: Therm Placeholder for LIEE</b>				
<b>Grs kWh:</b>	<b>Grs Therms: 1.00</b>	<b>Grs kW:</b>	<b>Grs NC kW:</b>	<b>NTG: 1.00</b>	
<b>Run Hours:</b>	<b>Interactive Eff. kW:</b>		<b>Interactive Eff. kWh:</b>	<b>Coincidence Factor kW:</b>	
<b>End Use:</b>	<b>Units:</b>	<b>Life: 15</b>	<b>Qty: 1,405,370</b>	<b>Incentive:</b>	<b>Msr Cost:</b>
<b>Measure Life Type:</b>	<b>Climate Zone: Region-wide</b>	<b>Baseline Vintage: No vintage distinction</b>			

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<b>Msr # 402002</b>	<b>Desc: kW Placeholder for LIEE</b>				
<b>Grs kWh: 0.00</b>	<b>Grs Therms: 0.00</b>	<b>Grs kW: 1.00</b>	<b>Grs NC kW:</b>	<b>NTG: 1.00</b>	
<b>Run Hours:</b>	<b>Interactive Eff. kW:</b>		<b>Interactive Eff. kWh:</b>	<b>Coincidence Factor kW:</b>	
<b>End Use:</b>	<b>Units:</b>	<b>Life: 15</b>	<b>Qty: 5,985</b>	<b>Incentive: \$0.00</b>	<b>Msr Cost: \$0.00</b>
<b>Measure Life Type:</b>	<b>Climate Zone: Region-wide</b>	<b>Baseline Vintage: No vintage distinction</b>			

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<b>Msr # 402003</b>	<b>Desc: kWh Placeholder for LIEE</b>				
<b>Grs kWh: 1.00</b>	<b>Grs Therms: 0.00</b>	<b>Grs kW: 0.00</b>	<b>Grs NC kW:</b>	<b>NTG: 1.00</b>	
<b>Run Hours:</b>	<b>Interactive Eff. kW:</b>		<b>Interactive Eff. kWh:</b>	<b>Coincidence Factor kW:</b>	
<b>End Use:</b>	<b>Units:</b>	<b>Life: 15</b>	<b>Qty: 26,422,863</b>	<b>Incentive: \$0.00</b>	<b>Msr Cost: \$0.00</b>
<b>Measure Life Type:</b>	<b>Climate Zone: Region-wide</b>	<b>Baseline Vintage: No vintage distinction</b>			

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**3P-NRes04 - M2M Hot Water & HVAC Controls for Res (3P-NRes04)****Msr # 403001 Desc: Water Heating Controls****Grs kWh:** 0.00**Grs Therms:** 1.00**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:** Therm**Life:** 10**Qty:** 598,920**Incentive:** \$0.61**Msr Cost:** \$0.61**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (07/10/08 06:52am) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

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**3P-NRes13 - Retro commissioning (RCx) (3P-NRes13)****Msr # 405001 Desc: Nonresidential Retro-Commissioning****Grs kWh:** 1.00**Grs Therms:** 0.03**Grs kW:** 0.00**Grs NC kW:****NTG:** 0.90**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** KWH**Life:** 10**Qty:** 9,354,817**Incentive:** \$0.28**Msr Cost:** \$0.28**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (07/11/08 02:33pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

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**3P-Res01 - Res HVAC Tune-up/Quality Installation (3P-Res01)****Msr # 406001 Desc: Residential AC Diagnostic, Repair and Tune-up****Grs kWh:** 33.99383**Grs Therms:** -0.01166**Grs kW:** 0.05689**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:** 10**Qty:** 2,340**Incentive:** \$48.37**Msr Cost:** \$48.37**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-HV-RefChrg-Inc-typ +

Cost Comment (02/21/09 11:56pm) - RefChrg-Inc-typ + Increase Refrigerant Charge - Typical (&lt; 20% rated charge)

**Msr # 406002 Desc: Residential AC SEER 14****Grs kWh:** 89.95645**Grs Therms:** -0.52452**Grs kW:** 0.14152**Grs NC kW:****NTG:** 0.67**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating**Units:** Ton**Life:** 15**Qty:** 3,507**Incentive:** \$119.00**Msr Cost:** \$119.00**Measure Life Type:** ROB**Climate Zone:** San Diego**Baseline Vintage:** No vintage distinction

Savings Comment (06/19/09 07:25am) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-HV-ResAC-14S

Cost Comment (06/19/09 07:25am) - D08-RE-HV-ResAC-S14 + 14 SEER (12.15EER) Split-System AC

**3P-Res02 - Comprehensive Mobile Home (SW) (3P-Res02)****Msr # 407001 Desc: Residential Duct Test and Seal****Grs kWh:** 68.5377**Grs Therms:** 8.25195**Grs kW:** 0.09729**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:** 2,340**Incentive:** \$497.62**Msr Cost:** \$497.62**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRB-HV-SFDuctSeal-24pct-12pct + Increase Refrigerant Charge - Typical (< 20% rated charge)

Cost Comment (02/21/09 11:56pm) - DuctSeal-low + Duct Sealing (Total Leakage Reduced from 24% of AHU flow to 12%)

**Msr # 407002 Desc: Residential Condensor Coil Cleaning****Grs kWh:** 270.00**Grs Therms:** 0.00**Grs kW:** 0.3564**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:** 3**Qty:** 2,340**Incentive:** \$97.75**Msr Cost:** \$97.75**Measure Life Type:****Climate Zone:** Riverside**Baseline Vintage:** No vintage distinction

General Comment (07/11/08 02:33pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

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**SW-ResF - Appliance Recycling (SW-ResF)****Msr # 408001 Desc: EE Refrigerator Recycling****Grs kWh:** 976.92**Grs Therms:** -23.4664**Grs kW:** 0.20272**Grs NC kW:****NTG:** 0.61**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Refrigeration**Units:** Ref**Life:** 5**Qty:** 56,129**Incentive:** \$174.00**Msr Cost:** \$77.13**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-Appl-RecRefFrzr-rmv-Frzr-1257kWh-0kWh-cond + Remove and Recycle freezer in Unconditioned space

Cost Comment (02/21/09 11:56pm) - Existing Refrigerator Removed & Replaced + Remove and Recycle 2nd refrigerator in conditioned space

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**Msr # 408002 Desc: EE Freezer Recycling****Grs kWh:** 749.195**Grs Therms:** -0.56275**Grs kW:** 0.14096**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Refrigeration**Units:** Frz**Life:** 4**Qty:** 18,710**Incentive:** \$174.00**Msr Cost:** \$77.13**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-Appl-RecRefFrzr-rmv-Frzr-1257kWh-0kWh-uncond +

Cost Comment (02/21/09 11:56pm) - Existing Freezer Removed + Remove and Recycle freezer in Unconditioned space

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### Local03 - Local Non-Residential (BID) (Local03)

**Msr # 409001 Desc: Other (Electric) - Bid Strategy**

**Grs kWh:** 1.00      **Grs Therms:** 0.00      **Grs kW:** 0.00007      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Other      **Units:** kwh      **Life:** 15      **Qty:** 47,556,324      **Incentive:** \$0.30      **Msr Cost:** \$0.30  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:57am) - See Energy Savings Bids folder. Savings are per KWH. KW savings are per KW based on projects in 2006 and 2007. See "KW\_per\_KWH ESBid\_through\_2007.xls".

Savings Comment (04/28/08 08:31pm) - See "ESB Through 2007.xls"

Cost Comment (02/21/09 11:56pm) - Since the program will not pay in excess of measure cost, the measure cost is set equal to the incentive as a placeholder.

**Msr # 409002 Desc: Other Gas - Bid Strategy**

**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:** 15      **Qty:** 3,876,423      **Incentive:** \$1.00      **Msr Cost:** \$1.00  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

General Comment (01/02/07 10:03am) - See Energy Savings Bids folder. Savings are per Therm.

Cost Comment (04/22/08 10:39am) - See "ESB Through 2007.xls" - Since the program will not pay in excess of measure cost, the measure cost is set equal to the incentive as a placeholder.

**Msr # 409003 Desc: HVAC Gas - Bid Strategy**

**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:** Space Cooling/Heating      **Units:** Therm      **Life:** 15      **Qty:** 1,924,698      **Incentive:** \$0.00      **Msr Cost:** \$0.00  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

General Comment (01/02/07 10:03am) - See Energy Savings Bids folder. Savings are per Therm associated with HVAC projects and are not stand alone gas projects.

Cost Comment (04/22/08 10:39am) - See "ESB Through 2007.xls" - cost is included in the electric HVAC measure.

**Msr # 409004 Desc: Refrigeration - Bid Strategy**

**Grs kWh:** 1.00      **Grs Therms:** 0.00      **Grs kW:** 0.00012      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Refrigeration      **Units:** KWH      **Life:** 8      **Qty:** 22,102,091      **Incentive:** \$0.25      **Msr Cost:** \$0.25  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (04/28/08 08:31pm) - See Energy Savings Bids folder. Savings are per KWH. KW savings are per KW based on projects in 2006 and 2007. See "KW\_per\_KWH ESBid\_through\_2007.xls".

Cost Comment (07/11/08 01:50pm) - See "ESB Through 2007.xls" - Since the program will not pay in excess of measure cost, the measure cost is set equal to the incentive as a placeholder.

### Local03 - Local Non-Residential (BID) (Local03)

**Msr # 409005 Desc: FL, (6) 46in, T5HO lamp, (3) Programmed Start Ballast, (BF: 1.00), Lumens=28500, W/fixt=351 (Replace) - Bid**

**Grs kWh:** 528.157      **Grs Therms:** -2.02492      **Grs kW:** 0.1124      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Fixture      **Life:** 15      **Qty:** 11,386      **Incentive:** \$391.65      **Msr Cost:** \$391.65  
**Measure Life Type:**      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - RtL-wSDGE-vEx-bCA-eMS-mNE-ILtg-Othr-Prim-Rpl-400wPSMHMGc456w-46in54wT5HO3PSEI351w + FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Retrofit)

Cost Comment (02/21/09 11:56pm) - FL, (6) 46in, T5HO lamp, (3) Programmed Start Ballast, (BF: 1.00), Lumens=28500, W/fixt=351 (Replace)

**Msr # 409006 Desc: FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Retrofit) - Bid**

**Grs kWh:** 91.08095      **Grs Therms:** -0.2969      **Grs kW:** 0.01938      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Fixture      **Life:** 15      **Qty:** 94,320      **Incentive:** \$51.53      **Msr Cost:** \$51.53  
**Measure Life Type:**      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - RtL-wSDGE-vEx-bCA-eMS-mNE-ILtg-LFluor-Prim-Rtr-48in34wT12ESMG72w-48in3g32wT8PISNEI54w + Metal Halide, (1) 32W lamp, Lumens=1300, W/fixt=43 (Replace)

Cost Comment (02/21/09 11:56pm) - NR-ILtg-LFluor-48in3g32wT8PISNEI54w-lmpblst + FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Retrofit)

**Msr # 409007 Desc: Metal Halide, (1) 32W lamp, Lumens=1300, W/fixt=43 (Replace) - Bid**

**Grs kWh:** 289.664      **Grs Therms:** -0.60339      **Grs kW:** 0.06164      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Fixture      **Life:** 15      **Qty:** 30,495      **Incentive:** \$128.66      **Msr Cost:** \$128.66  
**Measure Life Type:**      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - RtL-wSDGE-vEx-bCA-eMS-mNE-ILtg-Othr-Prim-Rpl-100wInc100w-32wMHR43w + CFL, 15W lamp, Integral or Modular, Tube or Spiral or Flood

Cost Comment (02/21/09 11:56pm) - NR-ILtg-Othr-32wMHR43w-lmpblst + Metal Halide, (1) 32W lamp, Lumens=1300, W/fixt=43 (Replace)

**Local03 - Local Non-Residential (BID) (Local03)****Msr # 409008 Desc: CFL, 15W lamp, Pin Based - Bid**

**Grs kWh:** 195.31607    **Grs Therms:** -0.51027    **Grs kW:** 0.03454    **Grs NC kW:**    **NTG:** 0.64  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Lighting    **Units:** Lamp    **Life:** 15    **Qty:** 5,496    **Incentive:** \$45.52    **Msr Cost:** \$45.52  
**Measure Life Type:** RET    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction  
**DEER Run ID:** CRTS00AVM14SS    **Weight %:** 100    **Name:** 14 Watt Modular CFL - SPC

Savings Comment (02/21/09 11:56pm) - Rtl-wSDGE-vEx-bCA-eMS-mNE-ILtg-CFL-Sec-Rpl-Int-15wCFLsSMg15w + CFL, 28W lamp, Integral or Modular, Tube or Spiral or Flood

Cost Comment (02/21/09 11:56pm) - 2005 DEER Measure: CRTS00AVM14SS

**Msr # 409009 Desc: CFL, 28W lamp, Pin Based - Bid**

**Grs kWh:** 364.9333    **Grs Therms:** -0.9534    **Grs kW:** 0.06453    **Grs NC kW:**    **NTG:** 0.64  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Lighting    **Units:** Lamp    **Life:** 15    **Qty:** 2,943    **Incentive:** \$55.15    **Msr Cost:** \$55.15  
**Measure Life Type:** RET    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction  
**DEER Run ID:** CRTS00AVM28SS    **Weight %:** 100    **Name:** 28 Watt Modular CFL - SPC

Savings Comment (02/21/09 11:56pm) - Rtl-wSDGE-vEx-bCA-eMS-mNE-ILtg-CFL-Sec-Rpl-Int-28wCFLsSMg28w + FL, (6) 46in, T5HO lamp, (3) Programmed Start Ballast, (BF: 1.00), Lumens=28500, W/fixt=351 (Replace)

Cost Comment (02/21/09 11:56pm) - Used 2005 DEER measure "CRTS00AVM28SS" as basis. Labor =29.87 (0.45 hours @ \$67.88 x 0.978 SD labor factor). + \$25.28 DEER measure cost

**Msr # 409010 Desc: Pkg AC EER = 10.0 (240-759 kBtuh) - Bid Strategy**

**Grs kWh:** 336.87676    **Grs Therms:** -0.0095    **Grs kW:** 0.15532    **Grs NC kW:**    **NTG:** 0.64  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating    **Units:** Ton    **Life:** 15    **Qty:** 80,704    **Incentive:** \$192.65    **Msr Cost:** \$192.65  
**Measure Life Type:** ROB    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction

Savings Comment (06/11/09 01:03pm) - Rtl-wSDGE-vEx-bCA-eMS-mNE-HVAC-airAC-SpltPkg-240to759kBtuh-10p0eer + Water cooled VSD centrifugal chiller (150-299 tons, 0.507 kW/ton), load control tower

Cost Comment (06/11/09 01:03pm) - Pkg AC EER = 10.0 (240-759 kBtuh)

**Local03 - Local Non-Residential (BID) (Local03)****MsR # 409011 Desc: Water cooled VSD centrifugal chiller (150-299 tons, 0.507 kW/ton), load control tower - Bid Strategy****Grs kWh:** 533.69**Grs Therms:****Grs kW:** 0.20187**Grs NC kW:****NTG:** 0.64**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** Ton**Life:** 20**Qty:** 35,659**Incentive:** \$169.04**MsR Cost:** \$169.04**Measure Life Type:** ROB**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/11/09 01:06pm) - Rt3-wSDGE-vEx-bCA-eMS-mNE-HVAC-Chlr-Cent-150to299tons-0p507kwpton-VSD + Pkg AC EER = 10.0 (240-759 kBtuh)

Cost Comment (06/11/09 01:06pm) - Water cooled VSD centrifugal chiller (150-299 tons, 0.507 kW/ton), load control tower

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**SW-AgB - Deemed (SW-AgB)**

**Msr # 410001**    **Desc:** Heating - Greenhouse Heat Curtain  
**Grs kWh:** 0.00    **Grs Therms:** 0.32    **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:** 2,401,200    **Incentive:** \$0.49    **Msr Cost:** \$0.49  
**Measure Life Type:** ROB    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction  
Savings Comment (01/05/06 01:48pm) - See "Greenhouse Thermal Curtains PGECOAGR101 R0.pdf"  
Cost Comment (02/17/07 11:55am) - DEER 2005 is the source for cost data.

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**Msr # 410002**    **Desc:** Heating - Infrared Film for Greenhouse  
**Grs kWh:** 0.00    **Grs Therms:** 0.049    **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:** 4,599,998    **Incentive:** \$0.03    **Msr Cost:** \$0.03  
**Measure Life Type:** ROB    **Climate Zone:** San Diego    **Baseline Vintage:** No vintage distinction  
General Comment (01/04/06 01:50pm) - See "Greenhouse IR Film PGECOAGR102 R0.pdf"

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**SW-ComA - Calculated (SW-ComA)**

**Msr # 411003 Desc: Pkg AC EER = 10.0 (240-759 kBtuh) - SPC Strategy**

**Grs kWh:** 349.96102      **Grs Therms:** -2.19017      **Grs kW:** 0.12313      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** Ton      **Life:** 15      **Qty:** 38,057      **Incentive:** \$192.65      **Msr Cost:** \$192.65  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - OfL-wSDGE-vEx-bCA-eMS-mNE-HVAC-airAC-SplitPkg-240to759kBtuh-10p0eer + Water cooled VSD centrifugal chiller (150-299 tons, 0.507 kW/ton), load control tower

Cost Comment (02/21/09 11:56pm) - Pkg AC EER = 10.0 (240-759 kBtuh)

**Msr # 411004 Desc: Water cooled VSD centrifugal chiller (150-299 tons, 0.507 kW/ton), load control tower - SPC Strategy**

**Grs kWh:** 539.32665      **Grs Therms:** -0.00004      **Grs kW:** 0.23128      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** Ton      **Life:** 20      **Qty:** 8,231      **Incentive:** \$169.04      **Msr Cost:** \$169.04  
**Measure Life Type:** ROB      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - OfL-wSDGE-vEx-bCA-eMS-mNE-HVAC-Chlr-Cent-150to299tons-0p507kwptn-VSD +

Cost Comment (02/21/09 11:56pm) - Water cooled VSD centrifugal chiller (150-299 tons, 0.507 kW/ton), load control tower

**Msr # 411005 Desc: FL, (6) 46in, T5HO lamp, (3) Programmed Start Ballast, (BF: 1.00), Lumens=28500, W/fixt=351 (Replace) - SPC**

**Grs kWh:** 462.339      **Grs Therms:** -0.15208      **Grs kW:** 0.11297      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Fixture      **Life:** 15      **Qty:** 3,569      **Incentive:** \$391.65      **Msr Cost:** \$391.65  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - MBT-wSDGE-vEx-bCA-eMS-mNE-ILtg-Othr-Prim-Rpl-400wPSMHMgC456w-46in54wT5HO3PSEI351w + FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Retrofit)

Cost Comment (02/21/09 11:56pm) - NR-ILtg-Othr-46in54wT5HO3PSEI351w-fxt + FL, (6) 46in, T5HO lamp, (3) Programmed Start Ballast, (BF: 1.00), Lumens=28500, W/fixt=351 (Replace)

**Msr # 411006 Desc: FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Retrofit) - SPC**

**Grs kWh:** 63.294      **Grs Therms:** -1.51841      **Grs kW:** 0.01584      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Fixture      **Life:** 15      **Qty:** 26,063      **Incentive:** \$51.53      **Msr Cost:** \$51.53  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - OfL-wSDGE-vEx-bCA-eMS-mNE-ILtg-LFluor-Prim-Rtr-48in34wT12ESMg72w-48in3g32wT8PISNEI54w + Metal Halide, (1) 32W lamp, Lumens=1300, W/fixt=43 (Replace)

Cost Comment (02/21/09 11:56pm) - NR-ILtg-LFluor-48in3g32wT8PISNEI54w-lmpblst + FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Retrofit)

**SW-ComA - Calculated (SW-ComA)**

**Msr # 411007 Desc: Metal Halide, (1) 32W lamp, Lumens=1300, W/fixt=43 (Replace) - SPC**

**Grs kWh:** 213.452      **Grs Therms:** -3.92662      **Grs kW:** 0.05344      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Fixture      **Life:** 15      **Qty:** 966      **Incentive:** \$128.66      **Msr Cost:** \$128.66  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - OfL-wSDGE-vEx-bCA-eMS-mNE-ILtg-Othr-Prim-RplLPD-100wInc100w-32wMHR43w + CFL, 15W lamp, Integral or Modular, Tube or Spiral or Flood

Cost Comment (02/21/09 11:56pm) - NR-ILtg-Othr-32wMHR43w-Impblst + Metal Halide, (1) 32W lamp, Lumens=1300, W/fixt=43 (Replace)

**Msr # 411008 Desc: CFL, 15W lamp, Specialty - SPC**

**Grs kWh:** 139.284      **Grs Therms:** -3.33899      **Grs kW:** 0.03563      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Lamp      **Life:** 3.02      **Qty:** 2,220      **Incentive:** \$11.07      **Msr Cost:** \$11.07  
**Measure Life Type:**      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - OfL-wSDGE-vEx-bCA-eMS-mNE-ILtg-CFL-Sec-Rpl-Int-15wCFLsSMg15w + CFL, 28W lamp, Integral or Modular, Tube or Spiral or Flood

Cost Comment (02/21/09 11:56pm) - D08-NE-OLtg-CFL-Int-15wCFLsSMg15w-Rpl

**Msr # 411009 Desc: CFL, 28W lamp, Integral or Modular, Tube or Spiral or Flood - SPC**

**Grs kWh:** 260.242      **Grs Therms:** -6.23865      **Grs kW:** 0.06657      **Grs NC kW:**      **NTG:** 0.64  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Lamp      **Life:** 3.02      **Qty:** 1,188      **Incentive:** \$15.74      **Msr Cost:** \$15.74  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - OfL-wSDGE-vEx-bCA-eMS-mNE-ILtg-CFL-Sec-Rpl-Int-28wCFLsSMg28w +

Cost Comment (02/21/09 11:56pm) - NR-ILtg-CFL-Int28wCFLsSMg28w + CFL, 28W lamp, Integral or Modular, Tube or Spiral or Flood

**SW-ComB - Deemed (SW-ComB)**

**Msr # 412001 Desc: Lighting - Hardwire Incan Base >90 watt Fluorescent Fixture**

**Grs kWh:** 2,540.27529    **Grs Therms:** 0.00    **Grs kW:** 0.38844    **Grs NC kW:** 0.384    **NTG:** 0.77  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Lighting    **Units:** Fixture    **Life:** 14.6    **Qty:** 5,713    **Incentive:** \$199.79    **Msr Cost:** \$199.79  
**Measure Life Type:** RET    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction

Cost Comment (11/09/05 07:57pm) - See "Express and SBS Workpapers.pdf" Page Exp-30 Cost is total labor and equipment minus the cost of the 1st baseline lamp (\$182-\$9=\$173) - Updated to \$150 material + \$49.79 Labor (\$67.88 labor rate x 0.978 labor factor x 0.75 assumed hours) = \$199.79

Savings Comment (04/21/08 07:14pm) - Interactive effects are from DEER 2005. Building types are a weighted average of the 2006 and 2007 program activity.

**Msr # 412002 Desc: Lighting - Remove 4 Ft T-8 (De-Lamp)**

**Grs kWh:** 282.0631    **Grs Therms:** -0.34505    **Grs kW:** 0.07765    **Grs NC kW:**    **NTG:** 0.78  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Lighting    **Units:** Fixture    **Life:** 15    **Qty:** 218,280    **Incentive:** \$49.46    **Msr Cost:** \$49.46  
**Measure Life Type:** RET    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - RtS-wSDGE-vEx-bCA-eMS-mNE-ILtg-LFluor-Prim-Rtr-48in34wT12ESMg144w-48in34wT122ESMg76w

Cost Comment (02/21/09 11:56pm) - NR-ILtg-LFluor-48in34wT122ESMg76w2LmpRem + Delamped 48" ES lamp 2 lamps

**Msr # 412003 Desc: Lighting - Screw in 14-26 Watt Lamp (Specialty)**

**Grs kWh:** 181.30739    **Grs Therms:** -0.33272    **Grs kW:** 0.03551    **Grs NC kW:**    **NTG:** 0.81  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Lighting    **Units:** Lamp    **Life:** 2.36    **Qty:** 16,370    **Incentive:** \$11.07    **Msr Cost:** \$11.07  
**Measure Life Type:** RET    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - RtS-wSDGE-vEx-bCA-eMS-mNE-ILtg-CFL-Sec-Rpl-Int-15wCFLsSMg15w

Cost Comment (02/21/09 11:56pm) - D08-NE-OLtg-CFL-Int-15wCFLsrSMg15w-Rpl

**Msr # 412004 Desc: Refrigeration -Cooler/Freezer Door Gaskets - Glass Doors**

**Grs kWh:** 104.55    **Grs Therms:** 0.00    **Grs kW:** 0.01195    **Grs NC kW:**    **NTG:** 0.76  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Refrigeration    **Units:** LinearFt    **Life:** 4    **Qty:** 113,818    **Incentive:** \$5.00    **Msr Cost:** \$5.00  
**Measure Life Type:** RET    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction

Savings Comment (05/14/05 09:58am) - See "Express and SBS Workpapers.pdf" Page Exp-144

Savings units are per door assumed to be 20 Inft - KWH savings = 2,091/20 = 104.55 KW savings = 0.239/20 = 0.01195 KW

Cost Comment (05/15/05 09:58am) - See "Express and SBS Workpapers.pdf" Page Exp-144- change to \$5.00 for 2009-2011 - DEER 2008 did not define units.



**SW-ComB - Deemed (SW-ComB)****Msr # 412005 Desc: Refrigeration -Strip Curtains for Walk-ins**

**Grs kWh:** 465.00      **Grs Therms:** 0.00      **Grs kW:** 0.053      **Grs NC kW:**      **NTG:** 0.46  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Refrigeration      **Units:** SqFt      **Life:** 4      **Qty:** 25,859      **Incentive:** \$10.22      **Msr Cost:** \$10.22  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (05/14/05 10:01am) - See "Express and SBS Workpapers.pdf" Page Exp118

Cost Comment (05/15/05 10:01am) - See "Express and SBS Workpapers.pdf" Page Exp118

**Msr # 412006 Desc: Refrigeration - Efficient Evap Fan Motor Electronically Commutated Motor (ECM)**

**Grs kWh:** 116.369      **Grs Therms:** -0.11528      **Grs kW:** 0.01584      **Grs NC kW:**      **NTG:** 0.70  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Refrigeration      **Units:** LinFt      **Life:** 15      **Qty:** 51,693      **Incentive:** \$6.79      **Msr Cost:** \$6.79  
**Measure Life Type:**      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

**DEER Run ID:** CGro0775GEDFM      **Weight %:** 35      **Name:** Substitute high efficiency motors for standard efficiency**DEER Run ID:** CGro0785GEDFM      **Weight %:** 35      **Name:** Substitute high efficiency motors for standard efficiency**DEER Run ID:** CGro1075GEDFM      **Weight %:** 15      **Name:** Substitute high efficiency motors for standard efficiency**DEER Run ID:** CGro1085GEDFM      **Weight %:** 15      **Name:** Substitute high efficiency motors for standard efficiency

General Comment (03/10/09 09:51am) - 2005 DEER - CGro0775GEDFM and CGro1075GEDFM

**Msr # 412007 Desc: Food Service - French Fryer-Gas**

**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:** per Unit      **Life:** 12      **Qty:** 1,344      **Incentive:** \$3,796.00      **Msr Cost:** \$3,796.00  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

General Comment (11/10/05 05:34pm) - See "Food Service" folder.

**Msr # 412008 Desc: Food Service - Steamer-Gas**

**Grs kWh:** 0.00      **Grs Therms:** 2,084.00      **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:** per Unit      **Life:** 12      **Qty:** 61      **Incentive:** \$6,221.00      **Msr Cost:** \$6,221.00  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

General Comment (11/10/05 05:34pm) - See "Food Service" folder.

**SW-ComB - Deemed (SW-ComB)**

**Msr # 412009 Desc: Food Service - Ice Machine Air-Cooled 501-1000**

**Grs kWh:** 3,011.25      **Grs Therms:** 0.00      **Grs kW:** 0.34375      **Grs NC kW:**      **NTG:** 0.70  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Refrigeration      **Units:** per Unit      **Life:** 12      **Qty:** 1,997      **Incentive:** \$1,485.00      **Msr Cost:** \$1,485.00  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
 General Comment (11/10/05 05:34pm) - See "Food Service" folder.

**Msr # 412010 Desc: Energy Star Clothes Washer MEF = 1.80 - Commercial**

**Grs kWh:** 164.36      **Grs Therms:** 62.78      **Grs kW:** 0.07      **Grs NC kW:**      **NTG:** 0.70  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Water Heating      **Units:** Unit      **Life:** 10      **Qty:** 5,253      **Incentive:** \$764.92      **Msr Cost:** \$764.92  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
 Savings Comment (01/11/06 09:11pm) - See: "Clothes and dishwasher standards update conversion.xls"

**Msr # 412011 Desc: Food Service-Commercial Gas Rack Oven- Double, Cooking Efficiency >= 50%**

**Grs kWh:** 0.00      **Grs Therms:** 2,104.00      **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:** 19      **Incentive:** \$8,646.00      **Msr Cost:** \$8,646.00  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
 General Comment (02/17/07 11:55am) - Added new measure for SW consistency - See EXP Updte 1-23-2007.pdf

**Msr # 412012 Desc: Lighting - Screw in >= 27 Watt Lamp -28 watt**

**Grs kWh:** 338.75903      **Grs Therms:** -0.62166      **Grs kW:** 0.06636      **Grs NC kW:** 0.043      **NTG:** 0.81  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Lamp      **Life:** 2.36      **Qty:** 12,940      **Incentive:** \$15.74      **Msr Cost:** \$15.74  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
 Savings Comment (02/21/09 11:56pm) - RtS-wSDGE-vEx-bCA-eMS-mNE-ILtg-CFL-Sec-Rpl-Int-28wCFLsSMg28w + FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Retrofit)  
 Cost Comment (02/21/09 11:56pm) - NR-ILtg-CFL-Int28wCFLsSMg28w + CFL, 28W Lamp

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**SW-ComB - Deemed (SW-ComB)****Msr # 412013 Desc: Interior LED New Technology Measure****Grs kWh:** 128.128**Grs Therms:** 0.00**Grs kW:** 0.0285**Grs NC kW:** 0.035**NTG:** 0.85**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Lighting**Units:** Lamp**Life:** 16**Qty:** 24,946**Incentive:** \$15.00**Msr Cost:** \$15.00**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (07/11/08 11:43am) - Place holder for new technology such as LED. Based on a 35 Watt differential and a \$15 cost.

Savings Comment (03/10/09 09:59am) - Saving are calculated assuming 3200 run hours

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**Msr # 412014 Desc: Premium T8 with 34 Watt Baseline****Grs kWh:** 59.3153**Grs Therms:** -0.0536**Grs kW:** 0.01626**Grs NC kW:****NTG:** 0.85**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Lighting**Units:** Fixture**Life:** 15**Qty:** 113,039**Incentive:** \$51.53**Msr Cost:** \$51.53**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (02/25/09 01:26pm) - OfS-wSDGE-vEx-bCA-eMS-mNE-ILtg-LFluor-Prim-Rtr-48in34wT12ESMg72w-48in3g32wT8PISNEI54w

Cost Comment (02/25/09 01:49pm) - FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Retrofit)

Savings Comment (03/10/09 10:34am) - Measure will be offered at a direct install rebate level - where customer may assign rebate to contractor.

### SW-ComE - Direct Install (SW-ComE)

**Msr # 413002 Desc: Premium T8 with T12 40 Watt Baseline**

**Grs kWh:** 70.84882      **Grs Therms:** -0.06407      **Grs kW:** 0.01942      **Grs NC kW:** 0.0165      **NTG:** 0.78  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Fixture      **Life:** 15      **Qty:** 717,203      **Incentive:** \$51.53      **Msr Cost:** \$51.53  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Cost Comment (02/21/09 11:56pm) - NR-ILtg-LFluor-48in3g32wT8PISNEI54w-lmpblst

Savings Comment (03/10/09 10:38am) - The saving are based on: "

OfS-wSDGE-vEx-bCA-eMS-mNE-ILtg-LFluor-Prim-Rtr-48in34wT12ESMg72w-48in3g32wT8PISNEI54w" scaled to the ratio of a 86 Watt fixture/72 Watt Fixture = 1.194444

General Comment (03/10/09 10:42am) - Measure will be offered as direct install - NTG could be 0.85 in implementation.

**Msr # 413003 Desc: Commercial HVAC Diagnostic/Tune-up**

**Grs kWh:** 60.00943      **Grs Therms:** -0.00288      **Grs kW:** 0.04677      **Grs NC kW:**      **NTG:** 0.70  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** Ton      **Life:** 10      **Qty:** 5,144      **Incentive:** \$56.75      **Msr Cost:** \$56.75  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

General Comment (06/23/09 08:22pm) - Tune-up was not specified in DEER 2008 - savings from Increasing Refrigerant was used as a proxy.

Savings Comment (06/23/09 08:23pm) - OfS-wSDGE-vEx-bCA-eMS-mNE-HVAC-RefChg-Inc-typ +

Cost Comment (06/23/09 08:23pm) - RefChrg-Inc-typ - used Residential due to lack of NR value + Small Pkg AC, increase refrigerant charge from typical under-charge to factory specified level

**Msr # 413004 Desc: Commercial Condensor Coil Cleaning**

**Grs kWh:** 60.00      **Grs Therms:**      **Grs kW:** 0.047      **Grs NC kW:**      **NTG:** 0.70  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** Ton      **Life:** 3      **Qty:** 3,507      **Incentive:** \$11.75      **Msr Cost:** \$11.75  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

General Comment (06/23/09 08:24pm) - Cost effectiveness parameters were derived from proposed projects. In many cases parameters were rounded or averaged among projects.

General Comment (06/23/09 08:26pm) - The measure will be implemented as part of a 3P program.

**SW-IndA - Calculated (SW-IndA)**

**Msr # 415001 Desc: Gas - SPC Strategy**  
**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:** 15 **Qty:** 2,071,775 **Incentive:** \$6.55 **Msr Cost:** \$6.55  
**Measure Life Type:** RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction  
Savings Comment (05/29/05 08:04am) - See SPC folder. Savings are per therm.  
Cost Comment (02/10/08 07:59am) - See: "2006-7\_SPC\_QTRLY\_Rpt\_EndUse\_Counts.xls"

**Msr # 415002 Desc: Other - SPC Strategy**  
**Grs kWh:** 1.00 **Grs Therms:** 0.00 **Grs kW:** 0.00008 **Grs NC kW:** NTG: 0.64  
**Run Hours:** **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**  
**End Use:** Other **Units:** kWh **Life:** 15 **Qty:** 6,351,025 **Incentive:** \$1.17 **Msr Cost:** \$1.17  
**Measure Life Type:** RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction  
Savings Comment (05/29/05 08:02am) - See SPC folder. Savings are per KWH. KW savings are per KW based on projects in 2006 and 2007. See "KW\_per\_KWH SPC\_through\_2007.xls".  
Cost Comment (02/10/08 07:58am) - See: "2006-7\_SPC\_QTRLY\_Rpt\_EndUse\_Counts.xls"

**Msr # 415003 Desc: Steam Traps - Bid or SPC Strategy**  
**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:** 15 **Qty:** 1,393,644 **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 10:39am) - Savings are per therm. Savings will be calculated on a project by project basis. See "Steam Traps" folder.  
Cost Comment (04/28/08 08:31pm) - Since the measure will be custom, the incentive can not exceed the measure. Set to same value as placeholder.

**Msr # 415004 Desc: FL, (6) 46in, T5HO lamp, (3) Programmed Start Ballast, (BF: 1.00), Lumens=28500, W/fixt=351 (Replace) - Bid**  
**Grs kWh:** 462.339 **Grs Therms:** -0.15208 **Grs kW:** 0.11297 **Grs NC kW:** NTG: 0.64  
**Run Hours:** **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**  
**End Use:** Lighting **Units:** Fixture **Life:** 15 **Qty:** 4,879 **Incentive:** \$391.65 **Msr Cost:** \$391.65  
**Measure Life Type:** RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction  
Savings Comment (06/11/09 02:16pm) - MBT-wSDGE-vEx-bCA-eMS-mNE-ILtg-Othr-Prim-Rpl-400wPSMHMgC456w-46in54wT5HO3PSEI351w + FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Retrofit)  
Cost Comment (06/11/09 02:16pm) - NR-ILtg-Othr-46in54wT5HO3PSEI351w-fxt + FL, (6) 46in, T5HO lamp, (3) Programmed Start Ballast, (BF: 1.00), Lumens=28500, W/fixt=351 (Replace)

**SW-IndA - Calculated (SW-IndA)**

**Msr # 415005**    **Desc:** Water cooled VSD centrifugal chiller (150-299 tons, 0.507 kW/ton), load control tower - Bid Strategy  
**Grs kWh:** 533.69    **Grs Therms:** 0.00    **Grs kW:** 0.20187    **Grs NC kW:**    **NTG:** 0.64  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating    **Units:** Ton    **Life:** 20    **Qty:** 15,283    **Incentive:** \$169.04    **Msr Cost:** \$169.04  
**Measure Life Type:** ROB    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction  
Savings Comment (06/11/09 02:24pm) - MBT-wSDGE-vEx-bCA-eMS-mNE-HVAC-Chlr-Cent-150to299tons-0p507kwpton-VSD  
Cost Comment (06/11/09 02:24pm) - Water cooled VSD centrifugal chiller (150-299 tons, 0.507 kW/ton), load control tower

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**SW-IndB - Deemed (SW-IndB)****Msr # 416001 Desc: Motors - VFD - HVAC Fans (per Hp)****Grs kWh:** 753.00**Grs Therms:** 0.00**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:** HP**Life:** 15**Qty:** 15,959**Incentive:** \$176.68**Msr Cost:** \$176.68**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (05/13/05 08:43pm) - See "VFDs for HVAC Fans.doc"

Cost Comment (05/14/05 08:43pm) - See "VFDs for HVAC Fans.doc"

**Msr # 416002 Desc: Lighting - Occupancy Sensor - High-Bay Sensor****Grs kWh:** 1,661.40**Grs Therms:** 0.00**Grs kW:** 0.39312**Grs NC kW:****NTG:** 0.84**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Lighting**Units:** Sensor**Life:** 8**Qty:** 7,238**Incentive:** \$141.00**Msr Cost:** \$141.00**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (11/08/05 09:13pm) - See "HiBay Occupancy Sensors.doc"

Non-coincident Load reduction = 0.468 kW × 0.84 typical warehouse coincident diversity factor = 0.3931 coincident KW reduction

kWh savings = 0.468 × 3,550 typical warehouse annual operating hours = 1,661.4 kWh

Cost Comment (11/09/05 09:13pm) - See "HiBay Occupancy Sensors.doc"

**Msr # 416003 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:** 0.46**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Water Heating**Units:** LinearFt**Life:** 11**Qty:** 33,591**Incentive:** \$3.63**Msr Cost:** \$3.63**Measure Life Type:****Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (05/14/05 01:29pm) - See "Pipe and Tank Insulation Workpaper.doc"

Cost Comment (05/15/05 01:29pm) - DEER 2008 ID: Pipelns-1inch-120to200F-hth2o

**SW-IndB - Deemed (SW-IndB)****Msr # 416004 Desc: Lighting-Interior High Bay Linear Fluorescent Fixtures <= 244 Watts replacing 400 Watts****Grs kWh:** 528.157      **Grs Therms:** -2.02492      **Grs kW:** 0.1124      **Grs NC kW:** 0.224      **NTG:** 0.78**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:****End Use:** Lighting      **Units:** Fixture      **Life:** 15      **Qty:** 14,169      **Incentive:** \$391.65      **Msr Cost:** \$391.65**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - RtL-wSDGE-vEx-bCA-eMS-mNE-ILtg-Othr-Prim-Rpl-400wPSMHMgC456w-46in54wT5HO3PSEI351w

Cost Comment (02/21/09 11:56pm) - NR-ILtg-Othr-46in54wT5HO3PSEI351w-fxt + FL, (6) 46in, T5HO lamp, (3) Programmed Start Ballast, (BF: 1.00), Lumens=28500, W/fxt=351 (Replace)



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**SW-NCNR - NRNC Savings By Design (SW-NCNR)**

**Msr # 417001**    **Desc:** Lighting  
**Grs kWh:** 1.00    **Grs Therms:** 0.00    **Grs kW:** 0.00017    **Grs NC kW:**    **NTG:** 0.81  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Lighting    **Units:** kWh    **Life:** 14    **Qty:** 4,229,265    **Incentive:** \$0.16    **Msr Cost:** \$0.16  
**Measure Life Type:** NEW    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction  
Savings Comment (04/25/08 12:22am) - Savings are per KWH. KW is based on completed jobs from previous program years.  
Cost Comment (07/11/08 02:04pm) - See HMG IMC White Paper v1.doc at page 11.

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**Msr # 417002**    **Desc:** Whole Bldg - Elec  
**Grs kWh:** 1.00    **Grs Therms:** 0.00    **Grs kW:** 0.00042    **Grs NC kW:**    **NTG:** 0.70  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating    **Units:** kWh    **Life:** 15    **Qty:** 14,745,507    **Incentive:** \$0.39    **Msr Cost:** \$0.39  
**Measure Life Type:** NEW    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction  
Savings Comment (04/25/08 12:22am) - Savings are per KWH. KW is based on completed jobs from previous program years.  
Cost Comment (07/11/08 02:04pm) - See HMG IMC White Paper v1.doc at page 11.

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**Msr # 417003**    **Desc:** Whole Bldg - Th  
**Grs kWh:** 0.00    **Grs Therms:** 1.00    **Grs kW:** 0.00    **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:** 856,647    **Incentive:** \$3.03    **Msr Cost:** \$3.03  
**Measure Life Type:** NEW    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction  
Savings Comment (04/25/08 12:22am) - Savings are per Therm. Calculated on a site by site basis  
Cost Comment (07/11/08 02:04pm) - See HMG IMC White Paper v1.doc at page 11.

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**SW-NCResA - RNC (SW-NCResA)**

**Msr # 418001**    **Desc:** Whole Bldg - Elec  
**Grs kWh:** 1.00    **Grs Therms:** 0.00    **Grs kW:** 0.0012    **Grs NC kW:**    **NTG:** 0.48  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating    **Units:** Home    **Life:** 18    **Qty:** 870,546    **Incentive:** \$1.60    **Msr Cost:** \$1.60  
**Measure Life Type:** NEW    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction  
General Comment (04/17/08 07:58am) - See SW-NCResA Folder

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**Msr # 418002**    **Desc:** Whole Bldg - Th  
**Grs kWh:** 0.00    **Grs Therms:** 1.00    **Grs kW:** 0.00    **Grs NC kW:**    **NTG:** 0.48  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating    **Units:** Home    **Life:** 20    **Qty:** 110,040    **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 07:58am) - See SW-NCResA Folder

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**SW-ResA - Residential Basic Lighting (SW-ResA)****Msr # 419001 Desc: Screw-in CFL (23 watt) Turn-in - ISR = 0.76****Grs kWh:** 37.32**Grs Therms:** -0.72965**Grs kW:** 0.0062**Grs NC kW:****NTG:** 0.60**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Lighting**Units:** Lamp**Life:** 5.3**Qty:** 101,000**Incentive:** \$2.57**Msr Cost:** \$2.57**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-ILtg-CFL-Int-23W-Rpl-Prim ( Includes an "in-service" rate of 0.76)

Cost Comment (02/21/09 11:56pm) - D08-NE-OLtg-CFL-Int-23wCFLsSMg23w-Rpl

**Msr # 419002 Desc: Screw-in CFL (23 watt ) - Median CFL Measure 10,000 hour (Upstream) ISR=0.76****Grs kWh:** 37.32**Grs Therms:** -0.72965**Grs kW:** 0.0062**Grs NC kW:****NTG:** 0.60**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Lighting**Units:** Lamp**Life:** 5.3**Qty:** 4,845,000**Incentive:** \$2.57**Msr Cost:** \$2.57**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-ILtg-CFL-Int-23W-Rpl-Prim ( Includes an "in-service" rate of 0.76)

Cost Comment (02/21/09 11:56pm) - D08-NE-OLtg-CFL-Int-23wCFLsSMg23w-Rpl

### SW-ResC - Multi-Family (SW-ResC)

**Msr # 420001 Desc: Gas Wtr Htr Controller (>30 Units) - Calculated**

**Grs kWh:** 0.00      **Grs Therms:** 2,250.00      **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:** Complex      **Life:** 10      **Qty:** 234      **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 11:04am) - See: "2006-2008 water-heater controller workpaper.doc" - PY2009 savings will be calculated on a project by project basis.

**Msr # 420002 Desc: Water Heating - Faucet Aerator - Low Flow**

**Grs kWh:** 0.00      **Grs Therms:** 5.3127      **Grs kW:** 0.00      **Grs NC kW:**      **NTG:** 0.85  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Water Heating      **Units:** Household      **Life:** 10      **Qty:** 5,520      **Incentive:** \$6.54      **Msr Cost:** \$6.54  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Cost Comment (11/16/05 07:25am) - DEER 2008 Id: HWU-0p5G  
does not include labor

Savings Comment (04/28/08 06:59pm) - Assumes all gas savings. DEER 2005 Measure

**Msr # 420003 Desc: Water Heating - Showerhead**

**Grs kWh:** 0.00      **Grs Therms:** 7.0837      **Grs kW:** 0.00      **Grs NC kW:**      **NTG:** 0.85  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Water Heating      **Units:** Showerhead      **Life:** 10      **Qty:** 13,800      **Incentive:** \$14.32      **Msr Cost:** \$14.32  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (11/15/05 07:28am) - Assume all gas DEER 2005 Measure

Cost Comment (04/28/08 06:59pm) - DEER 2008 Id: showerhead - 2.5 gal/minute

**Msr # 420004 Desc: Gas Wtr Htr Controller (<30 Units) - Calculated**

**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:** Complex      **Life:** 10      **Qty:** 132      **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 11:04am) - See: "2006-2008 water-heater controller workpaper.doc" - PY2009 savings will be calculated on a project by project basis.

### SW-ResC - Multi-Family (SW-ResC)

**Msr # 420005 Desc: T-8 or T-5 Premium Lamp and Electronic, 4-foot lamp installed**

**Grs kWh:** 59.31529    **Grs Therms:** -0.05364    **Grs kW:** 0.01626    **Grs NC kW:**    **NTG:** 0.80  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Lighting    **Units:** Fixture    **Life:** 15    **Qty:** 32,743    **Incentive:** \$51.53    **Msr Cost:** \$51.53  
**Measure Life Type:** ROB    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - OfS-wSDGE-vEx-bCA-eMS-mNE-ILtg-LFluor-Prim-Rpl-48in34wT12ESMg72w-48in3g32wT8PISNEI54w

Cost Comment (02/21/09 11:56pm) - NR-ILtg-LFluor-48in3g32wT8PISNEI54w-lmpblst + FL, (2) 48in, T8 lamp, Premium IS EB, NLO (BF: .85-.95), Lumens=5346, W/fixt=54 (Replace)

**Msr # 420006 Desc: Int. CFL screw-in (23 Watt median)**

**Grs kWh:** 49.1193    **Grs Therms:** -0.96067    **Grs kW:** 0.00816    **Grs NC kW:**    **NTG:** 0.80  
**Run Hours:**    **Interactive Eff. kW:**    **Interactive Eff. kWh:**    **Coincidence Factor kW:**  
**End Use:** Lighting    **Units:** Lamp    **Life:** 5.3    **Qty:** 288,442    **Incentive:** \$6.63    **Msr Cost:** \$6.63  
**Measure Life Type:** RET    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-ILtg-CFL-Int-23W-Rpl-Prim + CFL, 23W lamp - Screw-in - assumes 100% installation and verification per program

Cost Comment (02/21/09 11:56pm) - D08-RE-InLt-CFL-Int-23W + CFL, 23W lamp Screw-in Downstream -

**Msr # 420007 Desc: Ceiling Vintage to R-30 Insulation-Batts - MF**

**Grs kWh:** 0.051    **Grs Therms:** 0.01389    **Grs kW:** 0.00005    **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:** 919,404    **Incentive:** \$0.61    **Msr Cost:** \$0.61  
**Measure Life Type:** RET    **Climate Zone:** Region-wide    **Baseline Vintage:** No vintage distinction

**DEER Run ID:** RMFm0985RCV30    **Weight %:** 100    **Name:** Ceiling Vintage to R-30 Insulation-Batts

Cost Comment (04/28/08 06:59pm) - D08-RB-BS-FlrIns-R19-R30

Savings Comment (03/10/09 11:56am) - DEER 2005 Measure converted to savings per square foot

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

**Msr # 421001 Desc: A/C - Room unit - Energy Star**

**Grs kWh:** 219.80

**Grs Therms:** 0.00

**Grs kW:** 0.132

**Grs NC kW:**

**NTG:** 0.70

**Run Hours:**

**Interactive Eff. kW:**

**Interactive Eff. kWh:**

**Coincidence Factor kW:**

**End Use:** Space Cooling/Heating **Units:** Unit

**Life:** 9

**Qty:** 28,533

**Incentive:** \$81.00

**Msr Cost:** \$81.00

**Measure Life Type:** ROB

**Climate Zone:** Region-wide

**Baseline Vintage:** No vintage distinction

Savings Comment (10/27/05 06:27am) - Energy Star Room Air Conditioners.doc

**Msr # 421002 Desc: Attic Insulation - Ceiling Vintage to R-30 Insulation-Batts**

**Grs kWh:** 0.07925

**Grs Therms:** 0.02267

**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:** 5,218,719

**Incentive:** \$0.61

**Msr Cost:** \$0.61

**Measure Life Type:** RET

**Climate Zone:** Region-wide

**Baseline Vintage:** No vintage distinction

**DEER Run ID:** RSFm0775RCV30

**Weight %:** 42

**Name:** Ceiling Vintage to R-30 Insulation-Batts

**DEER Run ID:** RSFm0785RCV30

**Weight %:** 21

**Name:** Ceiling Vintage to R-30 Insulation-Batts

**DEER Run ID:** RSFm0796RCV30

**Weight %:** 7

**Name:** Ceiling Vintage to R-30 Insulation-Batts

**DEER Run ID:** RSFm1075RCV30

**Weight %:** 18

**Name:** Ceiling Vintage to R-30 Insulation-Batts

**DEER Run ID:** RSFm1085RCV30

**Weight %:** 9

**Name:** Ceiling Vintage to R-30 Insulation-Batts

**DEER Run ID:** RSFm1096RCV30

**Weight %:** 3

**Name:** Ceiling Vintage to R-30 Insulation-Batts

Savings Comment (10/26/05 09:26pm) - DEER 2005 Measure

Cost Comment (07/13/08 05:46pm) - DEER 2008 Id: D08-RB-BS-FIrlns-R19-R30

Savings Comment (03/10/09 12:00pm) - Based on Census 2000 - Vintage weights are 60% pre 1978, 30% 1978-1992, 10% 1993-2000. Climate zone weights are: 70% zone 7 (San Diego - weather station) 30% zone 10 (Riverside - weather station) Values were divided by 1,000 to be set to per sqft.

**Msr # 421003 Desc: Motor - Pool Pump (two-speed) - Placeholder for Variable Speed**

**Grs kWh:** 1,400.00

**Grs Therms:** 0.00

**Grs kW:** 0.54

**Grs NC kW:**

**NTG:** 0.69

**Run Hours:**

**Interactive Eff. kW:**

**Interactive Eff. kWh:**

**Coincidence Factor kW:**

**End Use:** Other

**Units:** Pump

**Life:** 10

**Qty:** 1,170

**Incentive:** \$182.18

**Msr Cost:** \$182.18

**Measure Life Type:** RET

**Climate Zone:** Region-wide

**Baseline Vintage:** No vintage distinction

**DEER Run ID:** RRes00AVPOOL2

**Weight %:** 100

**Name:** Efficient Two Speed Pool Pump

Savings Comment (09/24/07 09:44pm) - DEER 2005 Measure used as placeholder for new variable technology. RRes00AVPOOL2

Cost Comment (03/10/09 05:29pm) - DEER 2005: RRes00AVPOOL2

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

**Msr # 421004 Desc: Wall R-0 to R-13 Insulation**

**Grs kWh:** 0.19461

**Grs Therms:** 0.0838

**Grs kW:** 0.00016

**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:** 1,607,646

**Incentive:** \$0.62

**Msr Cost:** \$0.94

**Measure Life Type:** RET

**Climate Zone:** Region-wide

**Baseline Vintage:** No vintage distinction

**DEER Run ID:** RSFm0775RW413

**Weight %:** 70

**Name:** Wall Blow-In R-0 to R-13 Insulation

**DEER Run ID:** RSFm1075RW413

**Weight %:** 30

**Name:** Wall Blow-In R-0 to R-13 Insulation

Savings Comment (10/27/05 06:15am) - Based on Census 2000 - Climate zone weights are: 70% zone 7 (San Diego - weather station) 30% zone 10 (Riverside - weather station)

100% pre-1978 due to building code

Divided by 1,000 to be consistent with the IMC data

Cost Comment (02/13/07 04:26pm) - D08-RB-BS-BlowInIns-R0-R13

General Comment (03/10/09 12:09pm) - DEER 2005 Measure

**Msr # 421005 Desc: Water Heating - Tankless**

**Grs kWh:** 0.00

**Grs Therms:** 72.5913

**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:** 6,072

**Incentive:** \$108.32

**Msr Cost:** \$108.32

**Measure Life Type:** ROB

**Climate Zone:** Region-wide

**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRG-WtrHt-SmlInst-Gas-lte75kBtuh-lt2G-0p82EF

Cost Comment (02/21/09 11:56pm) - Water Heater - Small Instantaneous (gas with an input rating <= 75 MBtuh & EF=0.62-(0.0019\*Volume)) or Gas Storage? + High Efficiency Small Gas Instantaneous Water Heater

**Msr # 421006 Desc: Water Heating -High EF Unit**

**Grs kWh:** 0.00

**Grs Therms:** 19.1368

**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:** 11

**Qty:** 6,072

**Incentive:** \$67.24

**Msr Cost:** \$67.24

**Measure Life Type:** ROB

**Climate Zone:** Region-wide

**Baseline Vintage:** No vintage distinction

Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRG-WtrHt-SmlStrg-Gas-lte75kBtuh-40G-0p62EF

Cost Comment (02/21/09 11:56pm) - EWH-40G-0p626EF + High Efficiency Small Gas Storage Water Heater - 40 Gas, 0.62 EF

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

**Msr # 421007 Desc: Water Heating - Clothes Washer - Tier III MEF=1.80**

**Grs kWh:** 57.6366      **Grs Therms:** 31.2074      **Grs kW:** 0.00776      **Grs NC kW:**      **NTG:** 0.85  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Water Heating      **Units:** Unit      **Life:** 11      **Qty:** 35,025      **Incentive:** \$147.69      **Msr Cost:** \$147.69  
**Measure Life Type:** ROB      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
Savings Comment (02/21/09 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRG-Appl-EffCW-med-gasDHW-gasCDryer-2p0mef  
Cost Comment (02/21/09 11:56pm) - EffCW-lrg-gasDHW-gasCDryer-Gas-2p0mef + Clothes Washer - CEE tier 2 - Med

**Msr # 421008 Desc: Dishwasher 15% above Energy Star (0.65 EF +)**

**Grs kWh:** 27.00      **Grs Therms:** 4.70      **Grs kW:** 0.009      **Grs NC kW:**      **NTG:** 0.80  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Water Heating      **Units:** Dishwasher      **Life:** 11      **Qty:** 18,387      **Incentive:** \$297.00      **Msr Cost:** \$297.00  
**Measure Life Type:** NEW      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
General Comment (02/13/07 04:27pm) - Savings based on work papers by Eric Kirchoff - See SFR Update 1-22-06.pdf - page 4  
Cost Comment (04/29/08 02:53pm) - DEER 2008 ID: Dishwasher, EF=0.65, 215 wash cycles/year

**Msr # 421009 Desc: Heating - Gas 92% AFUE**

**Grs kWh:** 0.00      **Grs Therms:** 0.40568      **Grs kW:** 0.00      **Grs NC kW:**      **NTG:** 0.60  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** KBTUH      **Life:** 20      **Qty:** 125,670      **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 11:56pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRG-HV-EffFurn-92AFUE  
Cost Comment (02/21/09 11:56pm) - EffFurn-cond-92AFUE + High Efficiency Furnace 92 AFUE(1.08 HIR)

**Msr # 421010 Desc: Low Flow Showerhead/Self Install 1.5 gpm - Kits**

**Grs kWh:** 0.00      **Grs Therms:** 8.618      **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:** 69,000      **Incentive:** \$14.32      **Msr Cost:** \$14.32  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
General Comment (04/16/08 10:17pm) - See "SF\_WH\_Kits" Folder.  
Cost Comment (03/10/09 12:51pm) - showerhead - 2.5 gal/minute DEER 2008



**SW-ResD - Home Efficiency Rebates (SW-ResD)****Msr # 421011 Desc: Faucet Aerators/Self Install - Kits****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:** 69,000**Incentive:** \$6.54**Msr Cost:** \$6.54**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (04/16/08 10:17pm) - See SF\_WH\_Kits Folder

Cost Comment (03/10/09 12:52pm) - HWU-0p5G

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### Local01 - Local Whole House Performance (Local01)

**Msr # 422001 Desc: Ceiling Vintage to R-30 Insulation-Batts**

**Grs kWh:** 0.0792      **Grs Therms:** 0.0227      **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:** 295,550      **Incentive:** \$0.61      **Msr Cost:** \$0.61

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

<b>DEER Run ID:</b> RSFm0775RCV30	<b>Weight %:</b> 42	<b>Name:</b> Ceiling Vintage to R-30 Insulation-Batts
<b>DEER Run ID:</b> RSFm0785RCV30	<b>Weight %:</b> 21	<b>Name:</b> Ceiling Vintage to R-30 Insulation-Batts
<b>DEER Run ID:</b> RSFm0796RCV30	<b>Weight %:</b> 7	<b>Name:</b> Ceiling Vintage to R-30 Insulation-Batts
<b>DEER Run ID:</b> RSFm1075RCV30	<b>Weight %:</b> 18	<b>Name:</b> Ceiling Vintage to R-30 Insulation-Batts
<b>DEER Run ID:</b> RSFm1085RCV30	<b>Weight %:</b> 9	<b>Name:</b> Ceiling Vintage to R-30 Insulation-Batts
<b>DEER Run ID:</b> RSFm1096RCV30	<b>Weight %:</b> 3	<b>Name:</b> Ceiling Vintage to R-30 Insulation-Batts

Savings Comment (06/09/09 02:52pm) - Based on Census 2000 - Vintage weights are 60% pre 1978, 30% 1978-1992, 10% 1993-2000. Climate zone weights are: 70% zone 7 (San Diego - weather station) 30% zone 10 (Riverside - weather station) Values were divided by 1,000 to be set to per sqft.

Savings Comment (06/09/09 02:52pm) - DEER 2005 Measure

Cost Comment (06/09/09 02:53pm) - DEER 2008 Id: D08-RB-BS-FlrIns-R19-R30

**Msr # 422002 Desc: Wall Blow-In R-0 to R-13 Insulation**

**Grs kWh:** 0.1946      **Grs Therms:** 0.0838      **Grs kW:** 0.00016      **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:** 103,000      **Incentive:** \$0.94      **Msr Cost:** \$0.94

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

<b>DEER Run ID:</b> RSFm0775RW413	<b>Weight %:</b> 70	<b>Name:</b> Wall Blow-In R-0 to R-13 Insulation
<b>DEER Run ID:</b> RSFm1075RW413	<b>Weight %:</b> 30	<b>Name:</b> Wall Blow-In R-0 to R-13 Insulation

Savings Comment (06/09/09 03:03pm) - Based on Census 2000 - Climate zone weights are: 70% zone 7 (San Diego - weather station) 30% zone 10 (Riverside - weather station)

100% pre-1978 due to building code

Divided by 1,000 to be consistent with the IMC data

Savings Comment (06/09/09 03:03pm) - DEER 2005 Measure

Cost Comment (06/09/09 03:03pm) - D08-RB-BS-BlowIns-R0-R13

### Local01 - Local Whole House Performance (Local01)

**Msr # 422003 Desc: Water Heating - Tankless**

**Grs kWh:** 0.00      **Grs Therms:** 72.5913      **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:** 305      **Incentive:** \$108.32      **Msr Cost:** \$108.32  
**Measure Life Type:** ROB      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (06/09/09 05:38pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRG-WtrHt-SmlInst-Gas-lte75kBtuh-lt2G-0p82EF

Cost Comment (06/09/09 05:38pm) - Water Heater - Small Instantaneous (gas with an input rating <= 75 MBtuh & EF=0.62-(0.0019\*Volume)) or Gas Storage + High Efficiency Small Gas Instantaneous Water Heater + InsHtr-le75kBtuh-ge63pctEF-lt10gal

**Msr # 422004 Desc: Water Heating -High EF Unit**

**Grs kWh:** 0.00      **Grs Therms:** 19.1368      **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:** 11      **Qty:** 305      **Incentive:** \$67.24      **Msr Cost:** \$67.24  
**Measure Life Type:** ROB      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (06/09/09 05:48pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRG-WtrHt-SmlStrg-Gas-lte75kBtuh-40G-0p62EF

Cost Comment (06/09/09 05:48pm) - EWH-40G-0p626EF + High Efficiency Small Gas Storage Water Heater - 40 Gas, 0.62 EF

**Msr # 422005 Desc: Heating - Gas 92% AFUE**

**Grs kWh:** 0.00      **Grs Therms:** 0.4057      **Grs kW:** 0.00      **Grs NC kW:**      **NTG:** 0.60  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** KBTUH      **Life:** 20      **Qty:** 6,000      **Incentive:** \$5.80      **Msr Cost:** \$5.80  
**Measure Life Type:** ROB      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (06/09/09 07:43pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRG-HV-EffFurn-92AFUE

Cost Comment (06/09/09 07:43pm) - EffFurn-cond-92AFUE + High Efficiency Furnace 92 AFUE(1.08 HIR)

**Msr # 422006 Desc: Low Flow Showerhead/Self Install 1.5 gpm - Kits**

**Grs kWh:** 0.00      **Grs Therms:** 5.91      **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:** 1,200      **Incentive:** \$14.32      **Msr Cost:** \$14.32  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

General Comment (06/09/09 07:46pm) - See "SF\_WH\_Kits" Folder.

Cost Comment (06/09/09 07:46pm) - showerhead - 2.5 gal/minute

### Local01 - Local Whole House Performance (Local01)

**Msr # 422007 Desc: Faucet Aerators/Self Install**

**Grs kWh:** 0.00      **Grs Therms:** 2.7092      **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:** 1,200      **Incentive:** \$6.54      **Msr Cost:** \$6.54  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (06/09/09 07:48pm) - See SF\_WH\_Kits Folder

Cost Comment (06/09/09 07:48pm) - HWU-0p5G

**Msr # 422008 Desc: Residential AC SEER 14**

**Grs kWh:** 89.95645      **Grs Therms:** -0.52452      **Grs kW:** 0.14152      **Grs NC kW:**      **NTG:** 0.67  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** Ton      **Life:** 15      **Qty:** 3,325      **Incentive:** \$119.00      **Msr Cost:** \$119.00  
**Measure Life Type:** ROB      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (06/11/09 12:31pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-HV-ResAC-14S

Cost Comment (06/11/09 12:31pm) - D08-RE-HV-ResAC-S14 - installed cost (ROB)

**Msr # 422009 Desc: A/C - Room unit - Energy Star**

**Grs kWh:** 219.80      **Grs Therms:** 0.00      **Grs kW:** 0.132      **Grs NC kW:**      **NTG:** 0.70  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** Unit      **Life:** 9      **Qty:** 680      **Incentive:** \$81.00      **Msr Cost:** \$81.00  
**Measure Life Type:** ROB      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

General Comment (06/11/09 12:33pm) - Energy Star Room Air Conditioners.doc

Measure cost is for ROB

**Msr # 422010 Desc: Screw-in CFL (18 watt - Median) Specialty CFL/LED - Direct Install/Verified**

**Grs kWh:** 38.4412      **Grs Therms:** -0.75183      **Grs kW:** 0.00638      **Grs NC kW:**      **NTG:** 0.85  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Lamp      **Life:** 8.5      **Qty:** 12,095      **Incentive:** \$17.91      **Msr Cost:** \$17.91  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (06/18/09 10:02pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-ILtg-CFL-Int-18W-Rpl-Prim - verified installation

Savings Comment (06/18/09 10:02pm) - Life is 2/3 5.3 year CFL(reflector) and 1/3 15 Year next generation specialty (e.g., LED)

Cost Comment (06/18/09 10:02pm) - D08-RE-InLt-CFL-Rfl-18W - includes labor

### Local02 - Local Island Program (Local02)

**Msr # 423001 Desc: A/C - Room unit - Energy Star CZ15**

**Grs kWh:** 293.50      **Grs Therms:** 0.00      **Grs kW:** 0.132      **Grs NC kW:**      **NTG:** 0.70  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** Unit      **Life:** 9      **Qty:** 385      **Incentive:** \$376.00      **Msr Cost:** \$376.00  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
 General Comment (06/09/09 08:00pm) - Energy Star Room Air Conditioners.doc Measure cost is for retrofit.

**Msr # 423002 Desc: Residential AC SEER 18 CZ 15**

**Grs kWh:** 231.70      **Grs Therms:** 0.00      **Grs kW:** 0.18539      **Grs NC kW:**      **NTG:** 0.70  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Space Cooling/Heating      **Units:** Ton      **Life:** 15      **Qty:** 2,200      **Incentive:** \$1,179.01      **Msr Cost:** \$1,179.01  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
 Savings Comment (06/09/09 08:45pm) - SFM-w15-vSDx-hAC-tWt-bCA-eMS-mRE-HV-ResAC-18S - the target area has LNG gas in only one mobile home park.  
 Cost Comment (06/09/09 08:46pm) - D08-RE-HV-ResAC-S18 - installed cost

**Msr # 423003 Desc: Attic Insulation - Ceiling Vintage to R-38 Insulation-Batts -CZ15**

**Grs kWh:** 0.37168      **Grs Therms:** 0.02229      **Grs kW:** 0.00025      **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:** 389,961      **Incentive:** \$0.61      **Msr Cost:** \$0.61  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
**DEER Run ID:** RSFm1575RCV38      **Weight %:** 50      **Name:** Ceiling Vintage to R-38 Insulation-Batts  
**DEER Run ID:** RSFm1585RCV38      **Weight %:** 50      **Name:** Ceiling Vintage to R-38 Insulation-Batts  
 Savings Comment (06/09/09 08:58pm) - DEER 2005 measure - units converted to sqft. Assumes CZ 15 / older homes  
 Cost Comment (06/09/09 08:58pm) - D08-RB-BS-FIrlns-R19-R30 - includes material and labor

### Local02 - Local Island Program (Local02)

**Msr # 423004 Desc: Wall Blow-In R-0 to R-13 Insulation**

**Grs kWh:** 0.7028      **Grs Therms:** 0.05761      **Grs kW:** 0.00045      **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:** 131,987      **Incentive:** \$0.94      **Msr Cost:** \$0.94  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction  
**DEER Run ID:** RSFm1575RW413      **Weight %:** 100      **Name:** Wall Blow-In R-0 to R-13 Insulation

Savings Comment (06/09/09 09:38pm) - DEER 2005 measure - units converted to sqft.

Cost Comment (06/09/09 09:38pm) - D08-RB-BS-BlowInIns-R0-R13

**Msr # 423005 Desc: Screw-in CFL (18 watt - Median) Specialty CFL/LED -Direct Install/Verified CZ15**

**Grs kWh:** 42.8711      **Grs Therms:** 0.00      **Grs kW:** 0.00614      **Grs NC kW:**      **NTG:** 0.85  
**Run Hours:**      **Interactive Eff. kW:**      **Interactive Eff. kWh:**      **Coincidence Factor kW:**  
**End Use:** Lighting      **Units:** Lamp      **Life:** 8.5      **Qty:** 4,000      **Incentive:** \$17.91      **Msr Cost:** \$17.91  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

Savings Comment (06/11/09 09:23am) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-ILtg-CFL-Int-18W-Rpl-Prim - measures will be inspected for installation. No interactive effects since target area does not have gas service for SF homes.

Cost Comment (06/11/09 09:24am) - D08-RE-InLt-CFL-Rfl-18W - includes labor

Savings Comment (06/11/09 09:25am) - Life is 2/3 5.3 year CFL(reflector) and 1/3 15 Year next generation specialty (e.g., LED)

**Msr # 423009 Desc: Low Flow Showerhead/Self Install 1.5 gpm - Kits**

**Grs kWh:** 120.73701      **Grs Therms:** 0.00      **Grs kW:** 0.02656      **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:** 899      **Incentive:** \$14.32      **Msr Cost:** \$14.32  
**Measure Life Type:** RET      **Climate Zone:** Region-wide      **Baseline Vintage:** No vintage distinction

**DEER Run ID:** RSFM15AVWHSbw      **Weight %:** 100      **Name:** Low Flow Showerhead

Cost Comment (06/11/09 12:24pm) - showerhead - 2.5 gal/minute. Actual product is 1.5 gpm

Savings Comment (06/18/09 10:15pm) - Note: target area has no natural gas service for SF homes.

**Local02 - Local Island Program (Local02)****Msr # 423010 Desc: Faucet Aerators/Self Install****Grs kWh:** 90.55276**Grs Therms:** 0.00**Grs kW:** 0.01992**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:** 899**Incentive:** \$6.54**Msr Cost:** \$6.54**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction**DEER Run ID:**RSFM15AVWHFau**Weight %:** 100**Name:** Faucet Aerators

Savings Comment (06/11/09 12:26pm) - Note: target area has no natural gas service for SF homes.

Cost Comment (06/11/09 12:26pm) - HWU-0p5G

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**SW-ResB - Advanced Consumer Lighting (SW-ResB)****Msr # 424001 Desc: Screw-in CFL (16 watt - Median) Specialty CFL Measure 10,000 hour (Upstream) ISR=0.76****Grs kWh:** 25.97**Grs Therms:** -0.508**Grs kW:** 0.0043**Grs NC kW:****NTG:** 0.85**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Lighting**Units:** Lamp**Life:** 5.3**Qty:** 1,254,715**Incentive:** \$7.36**Msr Cost:** \$7.36**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/10/09 02:03pm) - SFM-wSDGE-vEx-hAC-tWt-bCA-eMS-mRE-ILtg-CFL-Int-16W-Rpl-Prim - A 0.76 in-service rate was used.

Cost Comment (06/10/09 02:03pm) - D08-NE-OLtg-CFL-Int-15wCFLsrSMg15w-Rpl



**SW-AgA - Calculated (SW-AgA)**

**Msr # 425001 Desc: Gas - SPC Strategy**  
**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:** 15 **Qty:** 887,904 **Incentive:** \$6.55 **Msr Cost:** \$6.55  
**Measure Life Type:** RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction  
Savings Comment (06/11/09 02:03pm) - See SPC folder. Savings are per therm.  
Cost Comment (06/11/09 02:03pm) - See: "2006-7\_SPC\_QTRLY\_Rpt\_EndUse\_Counts.xls"

**Msr # 425002 Desc: Other - SPC Strategy**  
**Grs kWh:** 1.00 **Grs Therms:** 0.00 **Grs kW:** 0.00008 **Grs NC kW:** NTG: 0.64  
**Run Hours:** **Interactive Eff. kW:** **Interactive Eff. kWh:** **Coincidence Factor kW:**  
**End Use:** Other **Units:** KWH **Life:** 15 **Qty:** 3,049,669 **Incentive:** \$1.17 **Msr Cost:** \$1.17  
**Measure Life Type:** RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction  
Savings Comment (06/11/09 02:05pm) - See SPC folder. Savings are per KWH. KW savings are per KW based on projects in 2006 and 2007. See "KW\_per\_KWH  
SPC\_through\_2007.xls".  
Cost Comment (06/11/09 02:06pm) - See: "2006-7\_SPC\_QTRLY\_Rpt\_EndUse\_Counts.xls"

**SW-ResG - Business/Consumer Electronics/Plug Load (SW-ResG)****Msr # 426001 Desc: Intelligent Electronic Power Strips****Grs kWh:** 20.35**Grs Therms:** 0.00**Grs kW:** 0.003**Grs NC kW:****NTG:** 0.85**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Lighting**Units:** Unit**Life:** 20**Qty:** 46,500**Incentive:** \$18.14**Msr Cost:** \$18.14**Measure Life Type:** RET**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

General Comment (06/11/09 05:33pm) - See "Intelligent Electronic Power Strips.doc"

**3P-NRes01 - Non-Res HVAC Tune-up/Quality Installa (3P-NRes01)****Msr # 427001 Desc: Comm. EE AC Units < 65kBtuh EER=12.04****Grs kWh:** 776.301**Grs Therms:** -0.16317**Grs kW:** 0.31131**Grs NC kW:****NTG:** 0.70**Run Hours:****Interactive Eff. kW:****Interactive Eff. kWh:****Coincidence Factor kW:****End Use:** Space Cooling/Heating **Units:** Ton**Life:** 15**Qty:** 58,518**Incentive:** \$113.10**Msr Cost:** \$113.10**Measure Life Type:** ROB**Climate Zone:** Region-wide**Baseline Vintage:** No vintage distinction

Savings Comment (06/19/09 07:40am) - OfS-wSDGE-vEx-bCA-eMS-mNE-HVAC-airAC-Pkg-lt65kBtuh3phs-14p0seer

Cost Comment (06/19/09 07:40am) - airAC-Pkg-lt65kBtuh1phs-14p0seer

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