

Express Efficiency Rebate Program (EXP4)

Msr # 311002 **Desc: Greenhouse Heat Curtain**
Grs kWh: 0.00 **Grs Therms: 0.32** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.96**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units: Sqft** **Life: 5** **Incentive: \$0.20** **Msr Cost: \$0.49**
Measure Life Type: RET **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

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

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

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

Msr # 311005 **Desc: Storage Water Heaters (LRG >75 MBTUH)**
Grs kWh: 0.00 **Grs Therms: 1.753** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.96**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units: MBtuh** **Life: 15** **Incentive: \$2.00** **Msr Cost: \$6.78**
Measure Life Type: ROB **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

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

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

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

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

Msr # 311006 **Desc: Storage Water Heaters (SML <= 75 MBTUH)**
Grs kWh: 0.00 **Grs Therms: 0.66** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.96**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units: MBtuh** **Life: 15** **Incentive: \$2.00** **Msr Cost: \$2.69**
Measure Life Type: ROB **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

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

Express Efficiency Rebate Program (EXP4)

Msr # 311007 Desc: Instantaneous Water Heaters (>= 200 MBTUH)
Grs kWh: 0.00 **Grs Therms:** 0.96 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** MBtuh **Life:** 15 **Incentive:** \$0.50 **Msr Cost:** (\$1.32)
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:18am) - See "Express and SBS Workpapers.pdf" Page Exp-184
Therm savings converted to Therms per MBTU as follows: 1,733 Therms/1,229 MBTU=1.41 Therms per MBTU
Cost Comment (01/05/06 08:18am) - See "Express and SBS Workpapers.pdf" Page Exp-185
IMC converted from a unit to MBTU as follows: \$(1,627)/1,229 MBTU = \$(1.32)
General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311008 Desc: Instantaneous Water Heaters (< 200 MBTUH)
Grs kWh: 0.00 **Grs Therms:** 1.81 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** MBtuh **Life:** 15 **Incentive:** \$2.00 **Msr Cost:** (\$7.77)
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:44pm) - See "Express and SBS Workpapers.pdf" Page Exp-184
Therm savings converted to Therms per MBTU as follows: 196 Therms/139 MBTU=1.41 Therms per MBTU
Cost Comment (05/20/05 04:44pm) - See "Express and SBS Workpapers.pdf" Page Exp-185
IMC converted from a unit to MBTU as follows: \$(1,080)/139 MBTU = (\$7.77)
General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311010 Desc: Infrared Film for Greenhouses
Grs kWh: 0.00 **Grs Therms:** 0.17 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Sqft **Life:** 5 **Incentive:** \$0.03 **Msr Cost:** \$0.03
Measure Life Type: RET **Climate Zone:** San Diego **Baseline Vintage:** No vintage distinction

DEER Run ID: CFRM07AVIRFlm **Weight %:** 100 **Name:** Infrared Film for Greenhouses

Savings Comment (11/01/05 08:07am) - See "Infrared Film for Greenhouse Walls.doc"
Cost Comment (11/02/05 08:07am) - See "Infrared Film for Greenhouse Walls.doc"
General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Express Efficiency Rebate Program (EXP4)

Msr # 311012 Desc: Space Heating Boiler - Steam
Grs kWh: 0.00 **Grs Therms:** 0.32 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** MBtuh **Life:** 20 **Incentive:** \$0.25 **Msr Cost:** \$3.57
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Msr # 311014 Desc: Space Heating Boilers - Large Water
Grs kWh: 0.00 **Grs Therms:** 0.29 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** MBtuh **Life:** 20 **Incentive:** \$0.25 **Msr Cost:** \$3.57
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Msr # 311015 Desc: Commercial Boiler (Non-Space Heat, Non-Process)
Grs kWh: 0.00 **Grs Therms:** 0.46 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** MBtuh **Life:** 20 **Incentive:** \$0.50 **Msr Cost:** \$3.57
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

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

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

Express Efficiency Rebate Program (EXP4)

Msr # 311016 Desc: Process Boiler - Steam
Grs kWh: 0.00 **Grs Therms:** 0.37 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** MBtuh **Life:** 20 **Incentive:** \$0.50 **Msr Cost:** \$3.57
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (11/14/05 06:32pm) - See "Express and SBS Workpapers.pdf" Page Exp-185
Therm savings converted to Therms per MBTU as follows: 2,861 Therms/2,745 MBTU=1.04 Therms per MBTU
Cost Comment (11/15/05 06:32pm) - See "Express and SBS Workpapers.pdf" Page Exp-185
IMC converted from a unit to MBTU as follows: \$9,800/2,745 MBTU = \$3.57
General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311017 Desc: Water Heating -Commercial Pool Heater
Grs kWh: 0.00 **Grs Therms:** 2.41 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Mbtuh **Life:** 5 **Incentive:** \$2.00 **Msr Cost:** \$2.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:47pm) - See "Commercial Pool Heater Workpapers.doc"
Cost Comment (05/20/05 04:47pm) - See "Commercial Pool Heater Workpapers.doc"

Msr # 311018 Desc: Process Boiler - Water
Grs kWh: 0.00 **Grs Therms:** 0.54 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** MBtuh **Life:** 20 **Incentive:** \$0.50 **Msr Cost:** \$3.57
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (11/14/05 06:50pm) - See "Express and SBS Workpapers.pdf" Page Exp-185
Therm savings converted to Therms per MBTU as follows: 2,861 Therms/2,745 MBTU=1.04 Therms per MBTU
Cost Comment (11/15/05 06:50pm) - See "Express and SBS Workpapers.pdf" Page Exp-185
IMC converted from a unit to MBTU as follows: \$9,800/2,745 MBTU = \$3.57
General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Express Efficiency Rebate Program (EXP4)

Msr # 311019 Desc: Direct Contact Water Heater
Grs kWh: 0.00 **Grs Therms:** 2.45 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** MBtuh **Life:** 20 **Incentive:** \$2.00 **Msr Cost:** \$2.17
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:50am) - See "Express and SBS Workpapers.pdf" Page Exp-185
Therm savings converted to Therms per MBTU as follows: 7,074 Therms/3,093 MBTU=2.29 Therms per MBTU
Cost Comment (01/05/06 08:50am) - See "Express and SBS Workpapers.pdf" Page Exp-185
IMC converted from a unit to MBTU as follows: \$6,704/3,093 MBTU = \$2.17
General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311022 Desc: Tank Insulation - Low Temperature Applic. (LF) 2 in
Grs kWh: 0.00 **Grs Therms:** 3.70 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** SquareFT **Life:** 20 **Incentive:** \$3.00 **Msr Cost:** \$3.41
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 10:18am) - See "Pipe and Tank Insulation Workpaper.doc"
Cost Comment (05/21/05 10:18am) - See "Pipe and Tank Insulation Workpaper.doc"
General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311023 Desc: Tank Insulation - High Temperature Applic. (LF) 2 in
Grs kWh: 0.00 **Grs Therms:** 10.40 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** SquareFT **Life:** 20 **Incentive:** \$4.00 **Msr Cost:** \$3.41
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/19/05 04:48pm) - See "Pipe and Tank Insulation Workpaper.doc"
Cost Comment (05/20/05 04:48pm) - See "Pipe and Tank Insulation Workpaper.doc"
General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Express Efficiency Rebate Program (EXP4)

Msr # 311024 Desc: Pipe Insulation - Hot Water Applic. (sq ft) 2 in
Grs kWh: 0.00 Grs Therms: 2.90 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: LinearFt Life: 20 Incentive: \$3.00 Msr Cost: \$9.22
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

Savings Comment (05/20/05 10:19am) - See "Pipe and Tank Insulation Workpaper.doc"
 Cost Comment (05/21/05 10:19am) - See "Pipe and Tank Insulation Workpaper.doc"
 General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311025 Desc: Pipe Insulation - Low Pressure Steam Applic. (LF) 2 in
Grs kWh: 0.00 Grs Therms: 14.30 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: LinearFT Life: 20 Incentive: \$4.00 Msr Cost: \$9.22
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

Savings Comment (05/19/05 04:49pm) - See "Pipe and Tank Insulation Workpaper.doc"
 Cost Comment (05/20/05 04:49pm) - See "Pipe and Tank Insulation Workpaper.doc"
 General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311026 Desc: Tank Insulation - Low Temperature Applic. (LF) 1 in
Grs kWh: 0.00 Grs Therms: 3.40 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: SquareFT Life: 20 Incentive: \$2.00 Msr Cost: \$2.58
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

Savings Comment (05/20/05 10:19am) - See "Pipe and Tank Insulation Workpaper.doc"
 Cost Comment (05/21/05 10:19am) - See "Pipe and Tank Insulation Workpaper.doc"
 General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Express Efficiency Rebate Program (EXP4)

Msr # 311027 Desc: Tank Insulation - High Temperature Applic. (LF) 1 in
Grs kWh: 0.00 Grs Therms: 9.70 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: SquareFT Life: 20 Incentive: \$3.00 Msr Cost: \$2.58
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

Savings Comment (05/19/05 04:51pm) - See "Pipe and Tank Insulation Workpaper.doc"
 Cost Comment (05/20/05 04:51pm) - See "Pipe and Tank Insulation Workpaper.doc"
 General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311028 Desc: Pipe Insulation - Hot Water Applic. (sq ft) 1 in
Grs kWh: 0.00 Grs Therms: 2.60 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: LinearFt Life: 20 Incentive: \$2.00 Msr Cost: \$5.67
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

Savings Comment (05/19/05 04:51pm) - See "Pipe and Tank Insulation Workpaper.doc"
 Cost Comment (05/20/05 04:51pm) - See "Pipe and Tank Insulation Workpaper.doc"
 General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Msr # 311029 Desc: Pipe Insulation - Low Pressure Steam Applic. (LF) 1 in
Grs kWh: 0.00 Grs Therms: 13.40 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: LinearFt Life: 20 Incentive: \$3.00 Msr Cost: \$5.67
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

Savings Comment (05/19/05 04:52pm) - See "Pipe and Tank Insulation Workpaper.doc"
 Cost Comment (05/20/05 04:52pm) - See "Pipe and Tank Insulation Workpaper.doc"
 General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
 General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Express Efficiency Rebate Program (EXP4)

Msr # 311032 **Desc:** Energy Star Clothes Washer - 3.5 cf Tier III MEF=1.8
Grs kWh: 0.00 **Grs Therms:** 69.75 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Clothes Washer, (**Life:** 10 **Incentive:** \$75.00 **Msr Cost:** \$764.92
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RRes00AVC3T3D **Weight %:** 100 **Name:** Energy Star Clothes Washer - 3.5 cf
Savings Comment (01/11/06 09:12pm) - See: "Clothes and dishwasher standards update conversion.xls"
Cost Comment (01/12/06 09:12pm) - See: "Clothes and dishwasher standards update conversion.xls"
General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311033 **Desc:** Steam Trap Replacement - Commercial/Other
Grs kWh: 0.00 **Grs Therms:** 139.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Unit **Life:** 15 **Incentive:** \$100.00 **Msr Cost:** \$223.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (12/05/05 10:06am) - See: "Steam Trap Workpapers.doc" & "Steam Trap Workpapers.xls"
Savings Comment (12/06/05 10:06am) - See: "Steam Trap Workpapers.doc" & "Steam Trap Workpapers.xls"
Cost Comment (12/07/05 10:06am) - See: "Steam Trap Workpapers.doc" & "Steam Trap Workpapers.xls"
General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf

Msr # 311034 **Desc:** Steam Trap Replacement - Industrial <15psig
Grs kWh: 0.00 **Grs Therms:** 638.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.96
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Unit **Life:** 15 **Incentive:** \$100.00 **Msr Cost:** \$180.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (12/14/06 10:38am) - See Express Efficiency Changes 12-13-06.pdf
General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf

Express Efficiency Rebate Program (EXP4)

Msr # 311035 Desc: Steam Trap Replacement - Industrial >15psig
Grs kWh: 0.00 Grs Therms: 2,342.00 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Unit Life: 15 Incentive: \$100.00 Msr Cost: \$223.00
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

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

Msr # 311036 Desc: Steam Trap Replacement - Commercial <12hr/day (Dry Cleaners)
Grs kWh: 0.00 Grs Therms: 139.00 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Units: Unit Life: 6 Incentive: \$100.00 Msr Cost: \$77.00
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

Msr # 311037 Desc: Steam Trap Replacement - Industrial <15 psig/Other Commercial 12-24 hr/day
Grs kWh: 0.00 Grs Therms: 638.00 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Units: Unit Life: 6 Incentive: \$100.00 Msr Cost: \$180.00
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

Msr # 311038 Desc: Steam Trap Replacement - Industrial >15 psig
Grs kWh: 0.00 Grs Therms: 2,342.00 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Other Units: Unit Life: 6 Incentive: \$200.00 Msr Cost: \$223.00
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

Express Efficiency Rebate Program (EXP4)

Msr # 311039 Desc: Pipe Insulation -Hot Water Application < 1" pipe
Grs kWh: 0.00 Grs Therms: 2.80 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: LinearFt Life: 20 Incentive: \$2.00 Msr Cost: \$13.85
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

General Comment (08/05/07 09:18am) - See "Pipe Insulation (26Jan07).pdf"

Msr # 311040 Desc: Pipe Insulation -Hot Water Application >= 1" pipe
Grs kWh: 0.00 Grs Therms: 18.00 Grs kW: 0.00 Grs NC kW: NTG: 0.83
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: LinearFt Life: 20 Incentive: \$2.00 Msr Cost: \$16.33
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

General Comment (08/05/07 09:15am) - Pipe Insulation (26Jan07).pdf

Msr # 311041 Desc: Pipe Insulation - Low pressure steam <=15 psi < 1" pipe
Grs kWh: 0.00 Grs Therms: 6.10 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Other Units: LinearFt Life: 20 Incentive: \$3.00 Msr Cost: \$14.37
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

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

Msr # 311042 Desc: Pipe Insulation - Low pressure steam >15 psi >= 1" pipe
Grs kWh: 0.00 Grs Therms: 40.00 Grs kW: 0.00 Grs NC kW: NTG: 0.96
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Other Units: LinearFt Life: 20 Incentive: \$3.00 Msr Cost: \$16.57
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

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

Express Efficiency Rebate Program (EXP4)

Msr # 311043 **Desc: Pipe Insulation - Medium pressure steam <=15 psi < 1" pipe**
Grs kWh: 0.00 **Grs Therms: 9.60** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.96**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Other **Units: LinearFt** **Life: 20** **Incentive: \$3.00** **Msr Cost: \$14.37**
Measure Life Type: **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

General Comment (04/11/07 03:37pm) - See EXP4 Update 4-15-07.pdf
 General Comment (08/05/07 09:23am) - See "Pipe Insulation (26Jan07).pdf"

Msr # 311044 **Desc: Pipe Insulation - Medium pressure steam >15 psi >= 1" pipe**
Grs kWh: 0.00 **Grs Therms: 63.00** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.96**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Other **Units: LinearFt** **Life: 20** **Incentive: \$3.00** **Msr Cost: \$16.57**
Measure Life Type: **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

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

Multi-Family Rebate Program (MFR4)

Msr # 312002 Desc: Natural Gas Storage Water Heater (EF>= 0.62)
Grs kWh: 0.00 Grs Therms: 10.078 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Hot Water Tank Life: 13 Incentive: \$30.00 Msr Cost: \$175.30
Measure Life Type: ROB Climate Zone: Riverside Baseline Vintage: No vintage distinction

DEER Run ID: RMFM10AVWHGTa Weight %: 100 Name: High Efficiency Water Heater
 General Comment (08/17/07 07:55am) - See workpapers

Msr # 312003 Desc: Central Gas Furnace 90% AFUE
Grs kWh: 0.00 Grs Therms: 22.382 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Space Cooling/Heating Units: per 38 kBtuh Unit Life: 18 Incentive: \$200.00 Msr Cost: \$253.08
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

DEER Run ID: RMFm1075RFC90 Weight %: 50 Name: Condensing 90 AFUE (1.11 HIR) Furnace
DEER Run ID: RMFm1085RFC90 Weight %: 50 Name: Condensing 90 AFUE (1.11 HIR) Furnace

Savings Comment (11/12/05 12:08pm) - Used Riverside climate zone as forecast climate zone - Used 38 Kbtu as the common unit per DEER
 General Comment (08/17/07 07:55am) - Deer Measure

Msr # 312004 Desc: Attic Insulation
Grs kWh: 0.17975 Grs Therms: 0.04524 Grs kW: 0.0001 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Space Cooling/Heating Units: 1000 sqft roof, 10 Life: 20 Incentive: \$0.15 Msr Cost: \$0.76
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

DEER Run ID: RMFm1075RCV30 Weight %: 60 Name: Ceiling Vintage to R-30 Insulation-Batts
DEER Run ID: RMFm1085RCV30 Weight %: 30 Name: Ceiling Vintage to R-30 Insulation-Batts
DEER Run ID: RMFm1096RCV30 Weight %: 10 Name: Ceiling Vintage to R-30 Insulation-Batts

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

Multi-Family Rebate Program (MFR4)

Msr # 312005 Desc: Wall Insulation

Grs kWh: 0.09737 **Grs Therms:** 0.06108 **Grs kW:** 0.00015 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** sqft **Life:** 20 **Incentive:** \$0.15 **Msr Cost:** \$1.32
Measure Life Type: **Climate Zone:** Riverside **Baseline Vintage:** Built before 1978

DEER Run ID: RMFm1075RW413 **Weight %:** 100 **Name:** Wall Blow-In R-0 to R-13 Insulation

Savings Comment (10/28/05 07:20pm) - Used inland empire (climate zone 10 as forecast climate zone

Converted from per 1,000 sqft to sqft

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

Msr # 312008 Desc: Central System Natural Gas Water Heater

Grs kWh: 0.00 **Grs Therms:** 257.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Unit **Life:** 15 **Incentive:** \$500.00 **Msr Cost:** \$1,701.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

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

Grs kWh: 0.00 **Grs Therms:** 750.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Unit **Life:** 20 **Incentive:** \$1,500.00 **Msr Cost:** \$4,060.00
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Multi-Family Rebate Program (MFR4)

Msr # 312010 Desc: Central System Gas Boiler: Space and Water Heating
Grs kWh: 0.00 Grs Therms: 1,900.00 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Space Cooling/Heating Units: Unit Life: 20 Incentive: \$1,500.00 Msr Cost: \$4,060.00
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

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

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

Msr # 312012 Desc: Gas Wtr Htr Controller (<30 units) Pre 1970 (Digital)
Grs kWh: 0.00 Grs Therms: 1,125.00 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Unit Life: 10 Incentive: \$750.00 Msr Cost: \$1,400.00
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

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

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

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

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

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

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

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

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

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

Multi-Family Rebate Program (MFR4)

Msr # 312014 Desc: Gas Wtr Htr Controller (>= 30 units) Pre 1970 (Digital)
Grs kWh: 0.00 Grs Therms: 2,250.00 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Unit Life: 10 Incentive: \$1,500.00 Msr Cost: \$1,550.00
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

General Comment (01/25/06 11:04am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 General Comment (01/25/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 General Comment (01/25/06 11:07am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Savings Comment (01/26/06 11:04am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Savings Comment (01/26/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Savings Comment (01/26/06 11:07am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Cost Comment (01/27/06 11:04am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Cost Comment (01/27/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Cost Comment (01/27/06 11:07am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 General Comment (08/17/07 07:55am) - see workpapers

Msr # 312015 Desc: Gas Wtr Htr Controller (<30 units) Post 1970 (Digital)
Grs kWh: 0.00 Grs Therms: 850.00 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Unit Life: 10 Incentive: \$750.00 Msr Cost: \$1,400.00
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

General Comment (01/25/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 General Comment (01/25/06 11:06am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 General Comment (01/25/06 11:07am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Savings Comment (01/26/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Savings Comment (01/26/06 11:06am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Savings Comment (01/26/06 11:07am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Cost Comment (01/27/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Cost Comment (01/27/06 11:06am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Cost Comment (01/27/06 11:07am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 General Comment (08/17/07 07:55am) - see workpapers

Multi-Family Rebate Program (MFR4)

Msr # 312017 Desc: Clothes Washer Energy Star Tier II MEF = 1.60 (In Coin-Op Laundry Area)
Grs kWh: 0.00 Grs Therms: 101.77 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Clothes Washer, Life: 10 Incentive: \$50.00 Msr Cost: \$853.00
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

DEER Run ID: RRes00AVC3T2D Weight %: 100 Name: Energy Star Clothes Washer - 3.5 cf
 Savings Comment (11/12/05 07:03pm) - See "Coin-op.xls"
 Savings Comment (01/11/06 09:18pm) - See: "Clothes and dishwasher standards update conversion.xls"
 Savings Comment (01/11/06 09:24pm) - See: "Clothes and dishwasher standards update conversion.xls"
 Cost Comment (01/12/06 09:18pm) - See: "Clothes and dishwasher standards update conversion.xls"
 Cost Comment (01/12/06 09:24pm) - See: "Clothes and dishwasher standards update conversion.xls"

Msr # 312021 Desc: Energy Star Dishwasher Tier I (EF=.62)
Grs kWh: 0.00 Grs Therms: 3.90 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Dishwasher, DW, Life: 13 Incentive: \$30.00 Msr Cost: \$183.64
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

DEER Run ID: RMFM00AVDW160 Weight %: 100 Name: Energy Star Dish Washer
 Savings Comment (11/11/05 05:40pm) - See "Clothes and Dishwashers.xls"
 Cost Comment (11/12/05 05:40pm) - See "Clothes and Dishwashers.xls"
 Savings Comment (01/11/06 09:17pm) - See: "Clothes and dishwasher standards update conversion.xls"
 Cost Comment (01/12/06 09:17pm) - See: "Clothes and dishwasher standards update conversion.xls"
 General Comment (08/17/07 07:55am) - See workpapers

Msr # 312022 Desc: Energy Star Dishwasher Tier II (EF=.68+)
Grs kWh: 0.00 Grs Therms: 4.90 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Dishwasher, DW, Life: 13 Incentive: \$50.00 Msr Cost: \$383.64
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

Multi-Family Rebate Program (MFR4)

Msr # 312023 Desc: Central gas Furnace 92% AFUE

Grs kWh: 0.00

Grs Therms: 25.992

Grs kW: 0.00

Grs NC kW:

NTG: 0.89

Run Hours:

Interactive Eff kW: 0

Interactive Eff kWh:

Coincidence Factor:

End Use: Space Cooling/Heating **Units:** 38 kBtuh unit

Life: 18

Incentive: \$200.00

Msr Cost: \$289.94

Measure Life Type:

Climate Zone: Region-wide

Baseline Vintage: No vintage distinction

DEER Run ID: RMFm1075RFC92

Weight %: 50

Name: Condensing 92 AFUE (1.08 HIR) Furnace

DEER Run ID: RMFm1085RFC92

Weight %: 50

Name: Condensing 92 AFUE (1.08 HIR) Furnace

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

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

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

Grs kWh: 0.00

Grs Therms: 35.40

Grs kW: 0.00

Grs NC kW:

NTG: 0.80

Run Hours:

Interactive Eff kW: 0

Interactive Eff kWh:

Coincidence Factor:

End Use: Water Heating

Units: Clothes Washer, (**Life:** 10

Incentive: \$0.00

Msr Cost: \$518.78

Measure Life Type: ROB

Climate Zone: Region-wide

Baseline Vintage: No vintage distinction

DEER Run ID: RRes00AVC3T3D

Weight %: 100

Name: Energy Star Clothes Washer - 3.5 cf

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

Savings Comment (01/11/06 09:16pm) - See: "Clothes and dishwasher standards update conversion.xls"

Savings Comment (01/11/06 09:22pm) - See: "Clothes and dishwasher standards update conversion.xls"

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

Cost Comment (01/12/06 09:16pm) - See: "Clothes and dishwasher standards update conversion.xls"

Cost Comment (01/12/06 09:22pm) - See: "Clothes and dishwasher standards update conversion.xls"

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

Multi-Family Rebate Program (MFR4)

Msr # 312027 Desc: Gas Wtr Htr Controller (>=30 units) Post 1970 (Digital)
Grs kWh: 0.00 Grs Therms: 1,699.00 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Unit Life: 10 Incentive: \$1,500.00 Msr Cost: \$1,550.00
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

General Comment (01/25/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 General Comment (01/25/06 11:06am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 General Comment (01/25/06 11:07am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Savings Comment (01/26/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Savings Comment (01/26/06 11:06am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Savings Comment (01/26/06 11:07am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Cost Comment (01/27/06 11:05am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Cost Comment (01/27/06 11:06am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 Cost Comment (01/27/06 11:07am) - 2006-2008 water-heater controller workpaper--2005-12-19.doc
 General Comment (08/17/07 07:55am) - See workpapers

Msr # 312029 Desc: Energy Star Dishwasher (EF=.65)
Grs kWh: Grs Therms: 3.75 Grs kW: Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Units: Dishwasher, DW Life: 13 Incentive: \$30.00 Msr Cost: \$133.64
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

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

Local Business Energy Efficiency Program (NRF4)

Msr # 314001 **Desc: EER Convection Oven**
Grs kWh: 0.00 **Grs Therms: 323.00** **Grs kW: 0.00** **Grs NC kW:** **NTG: 1.00**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Cooking **Units: Unit** **Life: 12** **Incentive: \$500.00** **Msr Cost: \$3,144.00**
Measure Life Type: RET **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

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

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

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

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

General Comment (10/03/06 04:26pm) - Adjust ments made to account for new measures See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Msr # 314003 **Desc: EER Griddle**
Grs kWh: 0.00 **Grs Therms: 88.00** **Grs kW: 0.00** **Grs NC kW:** **NTG: 1.00**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Cooking **Units: Unit** **Life: 12** **Incentive: \$125.00** **Msr Cost: \$4,575.00**
Measure Life Type: ROB **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

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

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

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

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

General Comment (10/03/06 04:26pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Local Business Energy Efficiency Program (NRF4)

Msr # 314006 Desc: EER Fryer - High Effic. Unit
Grs kWh: 0.00 Grs Therms: 505.00 Grs kW: 0.00 Grs NC kW: NTG: 1.00
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Cooking Units: Unit Life: 12 Incentive: \$500.00 Msr Cost: \$3,796.00
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

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

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

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

General Comment (10/03/06 04:26pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Msr # 314008 Desc: PER Furnace Replacement
Grs kWh: 0.00 Grs Therms: 1.00 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Space Cooling/Heating Units: Therm Life: 20 Incentive: \$0.60 Msr Cost: \$3.63
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

Msr # 314010 Desc: PER Oven Replacement
Grs kWh: 0.00 Grs Therms: 1.00 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Cooking Units: Therm Life: 20 Incentive: \$0.65 Msr Cost: \$21.24
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

Local Business Energy Efficiency Program (NRF4)

Msr # 314011 Desc: CPI Heat Recovery
Grs kWh: 0.00 Grs Therms: 1.00 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Other Units: Therm Life: 20 Incentive: \$0.60 Msr Cost: \$1.34
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

Msr # 314012 Desc: PER Misc. Process Equip. Replacement
Grs kWh: 0.00 Grs Therms: 1.00 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Other Units: Therm Life: 20 Incentive: \$0.65 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 Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (10/03/06 04:26pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

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

Msr # 314013 Desc: CPI Equip. Modernization
Grs kWh: 0.00 Grs Therms: 1.00 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Other Units: Therm Life: 20 Incentive: \$0.65 Msr Cost: \$1.03
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

Local Business Energy Efficiency Program (NRF4)

Msr # 314014 Desc: PER Engine Rebuild/Replacement
Grs kWh: 0.00 Grs Therms: 1.00 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Other Units: Therm Life: 15 Incentive: \$0.60 Msr Cost: \$3.84
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

General Comment (10/03/06 04:26pm) - See Boiler-FoodService-LV_Rack-Addition.pdf
 General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf
 Cost Comment (03/15/07 04:51pm) - See "BEEP Project_Summary File 2006.xls"

Msr # 314015 Desc: PER Pump Rebuild/Replacement
Grs kWh: 0.00 Grs Therms: 1.00 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Other Units: Therm Life: 15 Incentive: \$0.60 Msr Cost: \$10.74
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf
 General Comment (10/03/06 04:26pm) - See Boiler-FoodService-LV_Rack-Addition.pdf
 General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Msr # 314016 Desc: EER Combination Oven
Grs kWh: 0.00 Grs Therms: 403.00 Grs kW: 0.00 Grs NC kW: NTG: 1.00
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Cooking Units: Unit Life: 12 Incentive: \$750.00 Msr Cost: \$21,797.1
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

General Comment (11/09/05 03:11pm) - Life derived from Food Service Gas Measure Workpapers 11-08-05.xls
 Savings Comment (11/10/05 03:11pm) - Savings derived from Food Service Gas Measure Workpapers 11-08-05.xls
 Cost Comment (11/11/05 03:11pm) - IMC derived from Food Service Gas Measure Workpapers 11-08-05.xls
 General Comment (10/03/06 04:22pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Local Business Energy Efficiency Program (NRF4)

Msr # 314023 Desc: EER Cabinet Steamer Tier I
Grs kWh: 0.00 **Grs Therms:** 2,084.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 1.00
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Cooking **Units:** Unit **Life:** 12 **Incentive:** \$750.00 **Msr Cost:** \$6,221.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

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

General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Msr # 314046 Desc: EER Cabinet Steamer Tier II
Grs kWh: 0.00 **Grs Therms:** 8.67 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 1.00
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Cooking **Units:** unit **Life:** 12 **Incentive:** \$4.00 **Msr Cost:** \$11.11
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

General Comment (10/03/06 04:26pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Msr # 314047 Desc: EER Large Vat Fryers
Grs kWh: 0.00 **Grs Therms:** 578.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 1.00
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Cooking **Units:** Unit **Life:** 12 **Incentive:** \$500.00 **Msr Cost:** \$3,122.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

General Comment (10/03/06 04:26pm) - New Measure added See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

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

Local Business Energy Efficiency Program (NRF4)

Msr # 314048 Desc: EER Single Rack Oven
Grs kWh: 0.00 **Grs Therms:** 1,034.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 1.00
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Cooking **Units:** Unit **Life:** 12 **Incentive:** \$1,000.00 **Msr Cost:** \$8,221.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

General Comment (10/03/06 04:26pm) - New Measure added - See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

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

Msr # 314049 Desc: EER Double Rack Oven
Grs kWh: 0.00 **Grs Therms:** 2,104.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 1.00
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Cooking **Units:** Unit **Life:** 12 **Incentive:** \$2,000.00 **Msr Cost:** \$8,646.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

General Comment (10/03/06 04:26pm) - New Measure added - See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

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

Msr # 314050 Desc: PER Boiler Replacement
Grs kWh: 0.00 **Grs Therms:** 1.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 1.00
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Therm **Life:** 20 **Incentive:** \$0.65 **Msr Cost:** \$0.93
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

General Comment (10/03/06 04:26pm) - New Measure added - See Boiler-FoodService-LV_Rack-Addition.pdf

General Comment (10/03/06 04:28pm) - See Boiler-FoodService-LV_Rack-Addition.pdf

Home Efficiency Rebate Program (SFR4)

Msr # 315002 Desc: Gas Storage Water Heater (EF>= 0.62)
Grs kWh: 0.00 Grs Therms: 11.222 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Hot Water Tank Life: 13 Incentive: \$30.00 Msr Cost: \$175.30
Measure Life Type: ROB Climate Zone: Riverside Baseline Vintage: No vintage distinction

DEER Run ID: RSFM10AVWHGTa Weight %: 100 Name: High Efficiency Water Heater

Savings Comment (01/04/06 08:42am) - Used Riverside climate zone as forecast climate zone

General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

Msr # 315003 Desc: Central Gas Furnace 90% AFUE
Grs kWh: 0.00 Grs Therms: 34.56 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Space Cooling/Heating Units: 72 kBtu unit Life: 18 Incentive: \$100.00 Msr Cost: \$479.52
Measure Life Type: ROB Climate Zone: Region-wide Baseline Vintage: No vintage distinction

DEER Run ID: RSFm1075RFC90 Weight %: 50 Name: Condensing 90 AFUE (1.11 HIR) Furnace

DEER Run ID: RSFm1085RFC90 Weight %: 50 Name: Condensing 90 AFUE (1.11 HIR) Furnace

Savings Comment (11/04/05 02:03pm) - Used Riverside climate zone as forecast climate zone - Used 72 Kbtu as the common unit per DEER

General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

Msr # 315004 Desc: Attic Insulation
Grs kWh: 0.16305 Grs Therms: 0.03133 Grs kW: 0.0001 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Space Cooling/Heating Units: sqft Life: 20 Incentive: \$0.15 Msr Cost: \$0.76
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

DEER Run ID: RSFm1075RCV30 Weight %: 50 Name: Ceiling Vintage to R-30 Insulation-Batts

DEER Run ID: RSFm1085RCV30 Weight %: 50 Name: Ceiling Vintage to R-30 Insulation-Batts

Savings Comment (10/27/05 07:52pm) - Savings are converted to per square foot consistent with program and IMC. Used Riverside climate zone as representative climate zone for the forecast.

General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

Home Efficiency Rebate Program (SFR4)

Msr # 315005 Desc: Wall Insulation
Grs kWh: 0.4139 **Grs Therms:** 0.09928 **Grs kW:** 0.00019 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** sqft **Life:** 20 **Incentive:** \$0.15 **Msr Cost:** \$1.32
Measure Life Type: RET **Climate Zone:** Riverside **Baseline Vintage:** Built before 1978

DEER Run ID: RSFm1075RW413 **Weight %:** 100 **Name:** Wall Blow-In R-0 to R-13 Insulation

Savings Comment (10/27/05 07:56pm) - Converted from per 1,000 sqft to sqft

General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

Msr # 315006 Desc: Energy Star Labeled Dishwasher Tier I EF=0.62
Grs kWh: 0.00 **Grs Therms:** 5.30 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dishwasher **Life:** 13 **Incentive:** \$30.00 **Msr Cost:** \$183.64
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Savings Comment (01/11/06 09:21pm) - See: "Clothes and dishwasher standards update conversion.xls"

Cost Comment (01/12/06 09:21pm) - See: "Clothes and dishwasher standards update conversion.xls"

General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

General Comment (05/02/07 03:40pm) - Temporary Change - Awaiting Management Approval and Policy Review

Msr # 315008 Desc: Clothes Washer Tier I
Grs kWh: 0.00 **Grs Therms:** 19.65001 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Clothes Washer, (**Life:** 14 **Incentive:** \$35.00 **Msr Cost:** \$246.14
Measure Life Type: ROB **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

Home Efficiency Rebate Program (SFR4)

Msr # 315009 Desc: Clothes Washer Tier II
Grs kWh: 0.00 **Grs Therms: 21.85693** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.89**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units: Clothes Washer, (** **Life: 14** **Incentive: \$0.00** **Msr Cost: \$853.00**
Measure Life Type: ROB **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

DEER Run ID: RRes00AVC3T2D **Weight %: 100** **Name: Energy Star Clothes Washer - 3.5 cf**
Savings Comment (01/11/06 09:14pm) - See: "Clothes and dishwasher standards update conversion.xls"
Savings Comment (01/11/06 09:21pm) - See: "Clothes and dishwasher standards update conversion.xls"
Cost Comment (01/12/06 09:14pm) - See: "Clothes and dishwasher standards update conversion.xls"
Cost Comment (01/12/06 09:21pm) - See: "Clothes and dishwasher standards update conversion.xls"
General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf
General Comment (05/02/07 03:40pm) - Temporary Change - Awaiting Management Approval and Policy Review

Msr # 315014 Desc: Central Gas Furnace 92% AFUE
Grs kWh: 0.00 **Grs Therms: 40.176** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.89**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units: 72 kBtuH unit** **Life: 18** **Incentive: \$200.00** **Msr Cost: \$549.36**
Measure Life Type: ROB **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

DEER Run ID: RSFm1075RFC92 **Weight %: 50** **Name: Condensing 92 AFUE (1.08 HIR) Furnace**
DEER Run ID: RSFm1085RFC92 **Weight %: 50** **Name: Condensing 92 AFUE (1.08 HIR) Furnace**
Savings Comment (11/11/05 06:33pm) - Used Riverside climate zone as forecast climate zone - Used 72 Kbtu as the common unit per DEER
General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

Msr # 315016 Desc: Faucet Aerators
Grs kWh: 0.00 **Grs Therms: 6.733** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.89**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units: Household** **Life: 9** **Incentive: \$3.00** **Msr Cost: \$7.12**
Measure Life Type: RET **Climate Zone: Riverside** **Baseline Vintage: No vintage distinction**

DEER Run ID: RSFM10AVWHFau **Weight %: 100** **Name: Faucet Aerators**
Savings Comment (11/15/05 07:15am) - Used Riverside climate zone as forecast climate zone
General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

Home Efficiency Rebate Program (SFR4)

Msr # 315017 Desc: Low Flow Showerhead
Grs kWh: 0.00 Grs Therms: 8.978 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Showerhead Life: 10 Incentive: Msr Cost: \$22.95
Measure Life Type: RET Climate Zone: Riverside Baseline Vintage: No vintage distinction

DEER Run ID: RSFM10AVWHSw Weight %: 100 Name: Low Flow Showerhead
 Savings Comment (11/15/05 07:15am) - Used Riverside climate zone as forecast climate zone
 General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

Msr # 315022 Desc: Tankless Water Heater
Grs kWh: 0.00 Grs Therms: 33.667 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Tank, WtrHtr Life: 20 Incentive: Msr Cost: \$370.64
Measure Life Type: Climate Zone: Riverside Baseline Vintage: No vintage distinction

DEER Run ID: RSFM10AVWHPou Weight %: 100 Name: Point of Use Water Heat
 General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

Msr # 315032 Desc: Pipe Wrap
Grs kWh: 0.00 Grs Therms: 8.978 Grs kW: 0.00 Grs NC kW: NTG: 0.89
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Water Heating Units: Household Life: 15 Incentive: \$3.00 Msr Cost: \$3.70
Measure Life Type: RET Climate Zone: Region-wide Baseline Vintage: No vintage distinction

DEER Run ID: RSFM01AVWHPwr-1 Weight %: 50 Name: Pipe Wrap
DEER Run ID: RSFM01AVWHPwr-7 Weight %: 50 Name: Pipe Wrap
 Cost Comment (04/10/07 12:50pm) - The DEER cost is \$0.37 per ft - we assume 10 feet per code (5ft in and 5' out)
 General Comment (04/11/07 05:14pm) - See SFR4 Update 04-10-07.pdf

Home Efficiency Rebate Program (SFR4)

Msr # 315033 **Desc:** Energy Star Dish Washer EF=0.65
Grs kWh: 0.00 **Grs Therms:** 4.36 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dishwasher, DW **Life:** 13 **Incentive:** \$30.00 **Msr Cost:** \$426.30
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

General Comment (05/02/07 03:40pm) - Temporary Change - Awaiting Management Approval and Policy Review

General Comment (08/05/07 09:28am) - See "dW_merge.xls"

Msr # 315034 **Desc:** Energy Star Clothes Washer - MEF=1.72 WF=8.0
Grs kWh: 0.00 **Grs Therms:** 7.25 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Clothes Washer, (**Life:** 14 **Incentive:** \$35.00 **Msr Cost:** \$1,368.5
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

General Comment (05/02/07 03:40pm) - Temporary Change - Awaiting Management Approval and Policy Review

General Comment (08/05/07 09:27am) - See "CW_merge.xls"

Advanced Home Program (EED4)

Msr # 316013 Desc: Single Family, Verified Ducting System, CZ 4
Grs kWh: 43.035 **Grs Therms:** 34.535 **Grs kW:** 0.04718 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Msr # 316014 Desc: Single Family, Verified Ducting System, CZ 5
Grs kWh: 18.935 **Grs Therms:** 34.535 **Grs kW:** 0.02076 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Msr # 316017 Desc: Single Family, Verified Ducting System, CZ 8
Grs kWh: 111.885 **Grs Therms:** 13.39 **Grs kW:** 0.12265 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Advanced Home Program (EED4)

Msr # 316018 Desc: Single Family, Verified Ducting System, CZ 9
Grs kWh: 271.965 **Grs Therms:** 14.975 **Grs kW:** 0.29813 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Msr # 316019 Desc: Single Family, Verified Ducting System, CZ 10
Grs kWh: 543.93 **Grs Therms:** 20.615 **Grs kW:** 0.59627 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Msr # 316022 Desc: Single Family, Verified Ducting System, CZ 15
Grs kWh: 2,874.58 **Grs Therms:** 9.865 **Grs kW:** 3.15118 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$100.00 **Msr Cost:** \$125.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Advanced Home Program (EED4)

Msr # 316023 Desc: Single Family, Quality Insulation Installation, CZ 4
Grs kWh: 96.39 **Grs Therms:** 52.51 **Grs kW:** 0.10567 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316024 Desc: Single Family, Quality Insulation Installation, CZ 5
Grs kWh: 37.87 **Grs Therms:** 57.09 **Grs kW:** 0.04151 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316025 Desc: Single Family, Quality Insulation Installation, CZ 6
Grs kWh: 24.10 **Grs Therms:** 29.95 **Grs kW:** 0.02642 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:30am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316027 Desc: Single Family, Quality Insulation Installation, CZ 8
Grs kWh: 182.46 **Grs Therms:** 27.84 **Grs kW:** 0.20002 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (05/21/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Advanced Home Program (EED4)

Msr # 316028 Desc: Single Family, Quality Insulation Installation, CZ 9
Grs kWh: 254.75 **Grs Therms:** 14.45 **Grs kW:** 0.27926 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:31am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:31am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316029 Desc: Single Family, Quality Insulation Installation, CZ 10
Grs kWh: 468.19 **Grs Therms:** 38.41 **Grs kW:** 0.51324 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (05/21/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316030 Desc: Single Family, Quality Insulation Installation, CZ 13
Grs kWh: 547.37 **Grs Therms:** 52.16 **Grs kW:** 0.60004 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:31am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:31am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316032 Desc: Single Family, Quality Insulation Installation, CZ 15
Grs kWh: 1,270.32 **Grs Therms:** 20.79 **Grs kW:** 1.39256 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$175.00 **Msr Cost:** \$300.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (05/21/05 09:40am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Advanced Home Program (EED4)

Msr # 316033 Desc: Single Family, Tank Less Water Heater, CZ 4
Grs kWh: 0.00 **Grs Therms:** 79.99 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:32am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:32am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316038 Desc: Single Family, Tank Less Water Heater, CZ 9
Grs kWh: 0.00 **Grs Therms:** 83.52 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:32am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:32am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316039 Desc: Single Family, Tank Less Water Heater, CZ 10
Grs kWh: 0.00 **Grs Therms:** 83.52 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:32am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:32am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316040 Desc: Single Family, Tank Less Water Heater, CZ 13
Grs kWh: 0.00 **Grs Therms:** 75.41 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:33am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:33am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Advanced Home Program (EED4)

Msr # 316042 Desc: Single Family, Tank Less Water Heater, CZ 15
Grs kWh: 0.00 **Grs Therms:** 73.65 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:33am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:33am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316062 Desc: Multi-family, Maximum Cooling Capacity, CZ 15
Grs kWh: 1,791.18 **Grs Therms:** 4.30 **Grs kW:** 1.96353 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$100.00 **Msr Cost:** \$150.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:38am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:38am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316064 Desc: Multi-family, Verified Ducting System, CZ 5
Grs kWh: 4.50 **Grs Therms:** 13.73 **Grs kW:** 0.00493 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$60.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/03/06 07:45am) - Changed per May 13th 2005 DEER Measure Life Update
 Savings Comment (01/04/06 07:45am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:45am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Advanced Home Program (EED4)

Msr # 316065 Desc: Multi-family, Verified Ducting System, CZ 6
Grs kWh: 4.50 **Grs Therms:** 5.68 **Grs kW:** 0.00493 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$60.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Msr # 316067 Desc: Multi-family, Verified Ducting System, CZ 8
Grs kWh: 59.96 **Grs Therms:** 5.52 **Grs kW:** 0.06573 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$60.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Msr # 316069 Desc: Multi-family, Verified Ducting System, CZ 10
Grs kWh: 259.31 **Grs Therms:** 8.75 **Grs kW:** 0.28426 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$60.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

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

Advanced Home Program (EED4)

Msr # 316072 Desc: Multi-family, Verified Ducting System, CZ 15
Grs kWh: 1,163.89 **Grs Therms:** 4.30 **Grs kW:** 1.27588 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 18 **Incentive:** \$60.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

General Comment (01/03/06 07:47am) - Changed per May 13th 2005 DEER Measure Life Update

Savings Comment (01/04/06 07:47am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Cost Comment (01/05/06 07:47am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316073 Desc: Multi-family, High Quality Insulation Installation, CZ 4
Grs kWh: 34.47 **Grs Therms:** 11.12 **Grs kW:** 0.03779 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

Msr # 316074 Desc: Multi-family, High Quality Insulation Installation, CZ 5
Grs kWh: 11.99 **Grs Therms:** 11.89 **Grs kW:** 0.01314 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

Msr # 316075 Desc: Multi-family, High Quality Insulation Installation, CZ 6
Grs kWh: 9.74 **Grs Therms:** 5.91 **Grs kW:** 0.01068 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

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

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

Advanced Home Program (EED4)

Msr # 316078 Desc: Multi-family, High Quality Insulation Installation, CZ 9
Grs kWh: 95.18 **Grs Therms:** 6.06 **Grs kW:** 0.10434 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:49am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:49am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316079 Desc: Multi-family, High Quality Insulation Installation, CZ 10
Grs kWh: 125.91 **Grs Therms:** 8.13 **Grs kW:** 0.13803 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (05/20/05 09:43am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (05/21/05 09:43am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316082 Desc: Multi-family, High Quality Insulation Installation, CZ 15
Grs kWh: 304.28 **Grs Therms:** 4.22 **Grs kW:** 0.33356 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Dwelling Unit **Life:** 20 **Incentive:** \$50.00 **Msr Cost:** \$100.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 07:49am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 07:49am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316084 Desc: Multi-family, Tank Less Water Heater, CZ 5
Grs kWh: 0.00 **Grs Therms:** 13.96 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:11am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 08:11am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Advanced Home Program (EED4)

Msr # 316087 Desc: Multi-family, Tank Less Water Heater, CZ 8
Grs kWh: 0.00 **Grs Therms:** 15.34 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dwelling Unit **Life:** 13 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:12am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 08:12am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316088 Desc: Multi-family, Tank Less Water Heater, CZ 9
Grs kWh: 0.00 **Grs Therms:** 15.27 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:12am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 08:12am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Msr # 316092 Desc: Multi-family, Tank Less Water Heater, CZ 15
Grs kWh: 0.00 **Grs Therms:** 14.81 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Dwelling Unit **Life:** 15 **Incentive:** \$200.00 **Msr Cost:** \$325.00
Measure Life Type: NEW **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Savings Comment (01/04/06 08:14am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"
 Cost Comment (01/05/06 08:14am) - See "Advanced Home Workpapers.xls" and "Advanced Home Measure Potential Study.doc"

Education & Training Program (EET4)

Msr # 318004 **Desc:** Burners and burner related equipment
Grs kWh: **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.74
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Other **Units:** Therm **Life:** 20 **Incentive:** **Msr Cost:** \$0.79
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Cost Comment (03/15/07 04:36pm) - See "Industrial Education 2006.xls"

Savings Comment (03/15/07 09:56pm) - See "Industrial Education.ppt"

Msr # 318005 **Desc:** Equipment repair/upgrades
Grs kWh: **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.74
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Other **Units:** Therm **Life:** 3 **Incentive:** **Msr Cost:** \$0.06
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Cost Comment (03/15/07 04:35pm) - See "Industrial Education 2006.xls"

Savings Comment (03/15/07 09:57pm) - See "Industrial Education.ppt"

Msr # 318006 **Desc:** Maintenance and Tune-up
Grs kWh: **Grs Therms:** 1.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.74
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Other **Units:** Therm **Life:** 1 **Incentive:** **Msr Cost:** \$0.03
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Cost Comment (03/15/07 04:38pm) - See "Industrial Education 2006.xls"

Savings Comment (03/15/07 09:57pm) - See "Industrial Education.ppt"

IOU/UC/CSU Partnership (UCP4)

Msr # 323001 **Desc: Gas Measures**
Grs kWh: 0.00 **Grs Therms: 1.00** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.80**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Other **Units: Therm** **Life: 10** **Incentive: \$2.00** **Msr Cost: \$69.07**
Measure Life Type: **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

Savings Comment (12/08/05 05:22pm) - See "2004_2005 BID Project Data by End-Use.xls"

Cost Comment (12/09/05 05:22pm) - from SPC workpapers

IOU/Community College Partnership (CCP4)

Msr # 324001 Desc: Gas Measures
Grs kWh: 0.00 Grs Therms: 1.00 Grs kW: 0.00 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Other Units: Therm Life: 20 Incentive: \$2.00 Msr Cost: \$5.35
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

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

Bakersfield Kern Partnership (BKP4)

Msr # 326003 **Desc:** Faucet Aerators - MF
Grs kWh: 0.00 **Grs Therms:** 6.047 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Household **Life:** 9 **Incentive:** \$0.00 **Msr Cost:** \$12.69
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RMFM14AVWHFau **Weight %:** 100 **Name:** Faucet Aerators

General Comment (01/30/08 11:38am) - Zeroed out electric savings - assumption is gas water heating

Msr # 326004 **Desc:** Faucet Aerators - SF
Grs kWh: 0.00 **Grs Therms:** 6.733 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Household **Life:** 9 **Incentive:** \$0.00 **Msr Cost:** \$12.69
Measure Life Type: RET **Climate Zone:** China Lake **Baseline Vintage:** No vintage distinction

DEER Run ID: RSFM14AVWHFau **Weight %:** 100 **Name:** Faucet Aerators

General Comment (01/30/08 11:40am) - Zeroed out electric savings - assumption is gas water heating

Msr # 326006 **Desc:** Low Flow Showerhead - SF
Grs kWh: 0.00 **Grs Therms:** 8.978 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Showerhead **Life:** 10 **Incentive:** \$0.00 **Msr Cost:** \$37.95
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RSFM14AVWHSw **Weight %:** 100 **Name:** Low Flow Showerhead

General Comment (01/30/08 11:47am) - Zeroed out electric savings - assumption is gas water heating

California Urban Water Conservation Council (CUW4)

Msr # 328004 **Desc: Spray Valve 3 Year**
Grs kWh: 0.00 **Grs Therms: 317.58** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.80**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units: Unit** **Life: 3** **Incentive: \$81.00** **Msr Cost: \$81.00**
Measure Life Type: **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

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

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

Los Angeles County partnership (LAP4)

Msr # 329001 **Desc: Gas Measures**
Grs kWh: 0.00 **Grs Therms: 1.00** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.80**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Other **Units: Therm** **Life: 15** **Incentive: \$2.90** **Msr Cost: \$4.39**
Measure Life Type: **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

Cost Comment (12/09/05 05:54pm) - See "SDGE SPC Gas IMC Workpapers.xls"

3P Gas Cooling Upgrade Program (GCU4)

Msr # 345001 **Desc: Gas Cooling Unit Upgrade**
Grs kWh: 0.00 **Grs Therms: 864.61407** **Grs kW: 0.00** **Grs NC kW:** **NTG: 0.80**
Run Hours: **Interactive Eff kW: 0** **Interactive Eff kWh:** **Coincidence Factor:**
End Use: **Units: Units** **Life: 15** **Incentive: \$500.00** **Msr Cost: \$1,000.00**
Measure Life Type: **Climate Zone: Region-wide** **Baseline Vintage: No vintage distinction**

3P Comprehensive Manufactured/Mobile Home Program (MHP4)

Msr # 348001 **Desc:** Duct Test and Seal (Combined SCG & SCE)
Grs kWh: 0.00 **Grs Therms:** 35.00 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Space Cooling/Heating **Units:** Per Unit **Life:** 18 **Incentive:** **Msr Cost:** \$295.74
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Msr # 348003 **Desc:** Pipe Wrap
Grs kWh: 0.00 **Grs Therms:** 8.978 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Per Unit **Life:** 10 **Incentive:** **Msr Cost:** \$40.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Msr # 348004 **Desc:** Faucet Aerator
Grs kWh: 0.00 **Grs Therms:** 6.733 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Per Unit **Life:** 9 **Incentive:** **Msr Cost:** \$12.70
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

Msr # 348005 **Desc:** Low Flow Showerheads
Grs kWh: 0.00 **Grs Therms:** 8.978 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.89
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Per Unit **Life:** 10 **Incentive:** **Msr Cost:** \$37.95
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

3P Constant Volume Retrofit Program (CVRP) (CVR4)

Msr # 349001 Desc: DART
Grs kWh: 3.00 Grs Therms: 0.09433 Grs kW: 0.00045 Grs NC kW: NTG: 0.80
Run Hours: Interactive Eff kW: 0 Interactive Eff kWh: Coincidence Factor:
End Use: Space Cooling/Heating Units: sq.ft. Life: 10 Incentive: \$0.14 Msr Cost: \$1.32
Measure Life Type: Climate Zone: Region-wide Baseline Vintage: No vintage distinction

Energy Kits - Single Family (EKS4)

Msr # 354001 **Desc:** Faucet Aerators/Self Install
Grs kWh: 0.00 **Grs Therms:** 2.7092 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: **Units:** Household **Life:** 9 **Incentive:** \$0.00 **Msr Cost:** \$0.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RSFM10AVWHFau **Weight %:** 100 **Name:** Faucet Aerators

Savings Comment (12/19/07 11:12am) - The DEER values are reduced to account for the installation rate from the December survey. the installation rate is 40%.

Cost Comment (12/19/07 11:19am) - Since measure is provided free, the cost is included in the program's admin.

Msr # 354002 **Desc:** Low Flow Showerhead/Self Install
Grs kWh: 0.00 **Grs Therms:** 5.92 **Grs kW:** 0.00 **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Showerhead **Life:** 10 **Incentive:** \$0.00 **Msr Cost:** \$0.00
Measure Life Type: RET **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction

DEER Run ID: RSFM10AVWHSbw **Weight %:** 100 **Name:** Low Flow Showerhead

Savings Comment (12/19/07 11:25am) - The DEER value is the base, however there appears to be an error in the DEER 2005 computation. We re-modeled the 2001 DEER value referenced in the report and calibrated to the savings in 2001 and then adjusted the EF of the end use to 0.6

Savings Comment (12/19/07 11:27am) - The shower head provided is 1.5 gpm compared to the 2.0 gpm assumed in DEER. See workpapers.

Cost Comment (12/19/07 11:28am) - Since the measure is provided free, the cost is included in the program's admin.

EEC - Domestic Hot Water Controls (HWC4)

Msr # 356001 **Desc:** Hot Water Controls
Grs kWh: **Grs Therms:** 25.00 **Grs kW:** **Grs NC kW:** **NTG:** 0.80
Run Hours: **Interactive Eff kW:** 0 **Interactive Eff kWh:** **Coincidence Factor:**
End Use: Water Heating **Units:** Hotel Room **Life:** 15 **Incentive:** \$0.00 **Msr Cost:** \$0.00
Measure Life Type: **Climate Zone:** Region-wide **Baseline Vintage:** No vintage distinction