## ESTIMATED GAS SAVINGS

ThermWise Appliance Rebates			
Measure	Annual Savings	Source	
Clothes Washer Tier 1	1.58 DTH/unit	Francis of October 2000	
Clothes Washer Tier 2	2.04 DTH/unit	Energy Trust of Oregon 2006	
Clothes Dryer	1.02 DTH/unit	GDS Report 2004	
Standard Water Heater	1.90 DTH/unit	GDS Report 2004	
Tankless Water Heater	10.20 DTH/unit	Pacific Gas & Electric Davis Energy Group 2004	
High Efficiency Furnace	14.20 DTH/unit	ENERGY STAR Furnace Calculator <a href="http://energystar.gov/index.cfm?c=furnaces.pr_furnaces">http://energystar.gov/index.cfm?c=furnaces.pr_furnaces</a>	
Residential Gas Boiler	17.90 DTH/unit	ENERGY STAR Boiler Savings Calculator <a href="http://energystar.gov/index.cfm?c=boilers.pr_boilers">http://energystar.gov/index.cfm?c=boilers.pr_boilers</a>	
Solar Assisted Water Heating	15.00 DTH/unit	Utah Clean Energy  "Introduction to Utah Clean Energy's Proposed Solar Water Heating Incentive"	
	Th	nermWise Business Rebates	
High-efficiency storage	1.23 DTH/unit	Calculation based upon difference between baseline and minimum efficiency energy factor	
gas water heater	13.13 DTH/unit	PG&E -CPUC 2004-2005 / Single Family Rebate Program	
High-efficiency tankless gas water heater	10.58 DTH/unit	PG&E -CPUC 2004-2005 / Single Family Rebate Program	
High Efficiency Clothes	1.58 DTH/unit	Energy Trust of Oregon 2006	
Washer	2.04 DTH/unit		
	7.70 DTH/unit	ENERY STAR Commercial Clothes Washer Calculator	
Gas Clothes Dryer	1.02 DTH/unit	GDS Report 2004	
Low Flow Pre-Rinse Spray Valve	33.60 DTH/unit	California Urban Water Conservation Council, Rinse & Save Program Evaluation 2005	
High Efficiency Gas Furnaces	14.20 DTH/unit		
	16.20 DTH/unit	ENERGY STAR Furnace Calculator	
	18.10 DTH/unit		
Boilers (hot water)	17.96 DTH/Unit 101.79 DTH/ Unit	ENERGY STAR Boiler Calculator	
Boilers (steam)	17.96 DTH/Unit 22.34 DTH/Unit	ENERGY STAR Boiler Calculator	
Direct Contact Water Heater	1603.00 DTH/ Unit	PG&E -CPUC 2004-2005 / Single Family Rebate Program	
High Efficiency Unit Heater	12.14 DTH/Unit 37.32 DTH/Unit	PG&E 2004 and ACEEE 2003 Reports	
Infrared Heating System	28.88 DTH/System	<ul><li>1) Gas Networks Savings Estimates</li><li>2) GDS Report</li></ul>	

		3) ASHRAE Research #4643	
Programmable Thermostat	11.50 DTH/Unit	DOE Study, located at: http://www.eere.energy.gov/consumer/your_home/ space_heating_cooling/index.cfm/mytopic=12720	
Boiler Outside Air Reset Control	74.10 DTH/Unit	GDS Report 2004	
Boiler Tune-up	48.86 DTH/Unit	CA Statewide Gas Potential Study Kema-Xenergy 2003	
Food Service – Gas Fryer	40.40 DTH/Unit	ENERGY STAR Gas Fryer Calculator	
Food Service – Steam Cooker	35.30 DTH/Unit	ENERGY STAR Steam Cooker Calculator	
Food Service – High Efficiency Convection Oven	32.30 DTH/Unit	PG&E -CPUC 2006-2008 / Single Family Rebate Program	
Food Service – High Efficiency Combination Oven	40.30 DTH/Unit	PG&E -CPUC 2006-2008 / Single Family Rebate Program	
Food Service – High Efficiency Griddle	8.80 DTH/Unit	PG&E -CPUC 2006-2008 / Single Family Rebate Program	
Building Shell – Windows	85.80 DTH/Unit	DOE2 modeling against ASHRAE 90.1 2004 Baseline	
Building Shell – Wall Insulation	13.60 DTH /Unit	DOE2 modeling against ASHRAE 90.1 2004 Baseline	
Building Shell – Roof Insulation	19.50 DTH/Unit	DOE2 modeling against ASHRAE 90.1 2004 Baseline	
	T	hermWise Builder Rebates	
Standard Water Heater	1.90 DTH/Unit	GDS Report 2004	
Tankless Water Heater	10.2 DTH/Unit	Pacific Gas & Electric by Davis Energy Group 2004	
High Efficiency Furnace	9.10 DTH/Unit	ENERGY STAR Furnace Calculator	
ENERGY STAR Homes	23.42 DTH/home	RMP Cost Effective Inputs for ENERGY STAR Homes Program	
ENERGY STAR Federal Tax Credit Home	33.08 DTH/home	Estimate using REMrate modeling from Energy Inspectors	
Residential Gas Boiler	nttp://energystar.gov/index.ctm?c=boilers.pr_		
Solar Assisted Water Heating	15.00 DTH/unit	Utah Clean Energy "Introduction to Utah Clean Energy's Proposed Solar Water Heating Incentive"	
ThermWise Home Energy Audits			
Water Heater Blanket 2.2 DTH/ system		Nexant 2006 Market Study Report	
Pipe Insulation	1.40 DTH/ system	DOE Rebuild America Reenergize Energy Efficiency Guidebook	
Faucet Aerator		DOE Rebuild America Reenergize Energy Efficiency Guidebook	

	0.44 DTH/Unit			
Low Flow Shower Head	5.79 DTH/Unit	Nexant 2006 Market Study Report		
Programmable Thermostat	2.66 DTH/Unit	ENERGY STAR with 20% persistence assumption		
ThermWise Weatherization Rebates				
Windows	0.042 DTH/ sq. ft.	RESFEN V3.1.02 - Baseline window selection #301 vs. program minimum efficiency requirements for Salt Lake City		
Wall Insulation	0.007 DTH/ sq. ft.	Lawrence Berkeley National Laboratory Home Energy Saver (Salt Lake City)		
Attic Insulation	0.007 DTH/ sq. ft.	Lawrence Berkeley National Laboratory Home Energy Saver (Salt Lake City)		
Floor Insulation	0.009 DTH/ sq. ft.	Lawrence Berkeley National Laboratory Home Energy Saver (Salt Lake City)		
Duct Sealing	5.700 DTH/ system	Lawrence Berkeley National Laboratory Home Energy Saver (Salt Lake City)		
Duct Insulation	8.950 DTH/ system	Lawrence Berkeley National Laboratory Home Energy Saver (Salt Lake City)		
	Low I	ncome Weatherization Program		
High Efficiency Furnace	14.20 DTH/Unit	ENERGY STAR Furnace Calculator		
ThermWise Business Custom Rebates				
Program Measures	307.9 DTH/project	Extrapolated from GDS Report 2004 and weighted for anticipated participant mix from 2006 commercial GS usage.		
	The	rmWise Multi-family Rebates		
In Unit Storage Water Heaters	1.90 DTH/Unit	GDS Report 2004		
In Unit Clothes washers	1.58 DTH/Unit	Energy Trust of Oregon 2006		
In Unit Clothes Dryers	1.02 DTH/Unit	DSM Market Characterization Report		
In Unit Furnaces	6.77 DTH/Unit	Calculation using baseline single-family home per unit savings of 14.2 Dth for 2,200 sq. ft. multiplied by1,050 sq. ft. for a multi-family unit.		
Common Area Water Heaters	1.90 DTH/Unit	GDS Report 2004		
Common Area Coin Operated Clothes washers	1.58 DTH/Unit	Gas Deemed Savings Database, Nexant		

Common Area Coin Operated Dryers	1.02DTH/Unit	Gas Deemed Savings Database, Nexant
Common Area Boilers	17.90 DTH/Unit	ENERGY STAR Boiler Savings Calculator <a href="http://energystar.gov/index.cfm?c=boilers.pr_boilers">http://energystar.gov/index.cfm?c=boilers.pr_boilers</a>
Wall Insulation	.007 DTH/ sq. ft.	DSM Market Characterization Report
Floor Insulation	.009 DTH/ sq. ft.	DSM Market Characterization Report
Attic Insulation	.007 DTH/ sq. ft.	DSM Market Characterization Report
Replacement Windows	.0420 DTH/ sq. ft.	DSM Market Characterization Report
ENERGY STAR Multifamily	10.65 DTH/Unit	Rocky Mountain Power Cost Effectiveness Inputs for ENERGY STAR Homes Program

## **MEASURE LIFE**

ThermWise Appliance Rebates			
Measure	Lifetime	Source	
Clothes Washer Tier 1	14	"Colorado DSM Market Potential Assessment." Prepared for Xcel Energy by KEMA, Inc. and Quantum Consulting 2006	
Clothes Washer Tier 2	14	"Colorado DSM Market Potential Assessment." Prepared for Xcel Energy by KEMA, Inc. and Quantum Consulting 2006	
Clothes Dryer	12	Gas Deemed Savings Database, Nexant 2004	
Standard Water Heater	15	GDS Report 2004	
Tankless Water Heater	20	Pacific Gas & Electric by Davis Energy Group 2004	
High Efficiency Furnace	20	GDS Report 2004	
Residential Gas Boiler	20	ENERGY STAR Boiler Savings Calculator <a href="http://energystar.gov/index.cfm?c=boilers.pr_boilers">http://energystar.gov/index.cfm?c=boilers.pr_boilers</a>	
Solar Assisted Water Heating	25	Utah Clean Energy "Introduction to Utah Clean Energy's Proposed Solar Water Heating Incentive"	
	T	hermWise Business Rebates	
High Efficiency storage	15	GDS Report 2004	
gas water heater	15	GDS Report 2004	
High Efficiency tankless gas water heater	15	PG&E -CPUC 2004-2005 / Single Family Rebate Program	
High Efficiency Clothes	10	Energy Star Commercial Clothes Washer Calculator	
Washer	10 10	Energy Star Commercial Clothes Washer Calculator Energy Star Commercial Clothes Washer Calculator	
Gas Clothes Dryer	12	Nexant Estimate	
Low Flow Pre-Rinse Spray Valve	5	CEE	
High Efficiency Gas Furnaces	20 20 20	GDS Report 2004	
Boilers (hot water)	20 20	GDS Report 2004	
Boilers (steam) 20 GDS Report 2004		GDS Report 2004	
Direct Contact Water Heater	20	PG&E -CPUC 2004-2005 / Single Family Rebate Program	
High Efficiency Unit	18	Natural Gas Efficiency and Conservation Measure Resource Assessment (ETO, 2003)	
Heater	18	Natural Gas Efficiency and Conservation Measure Resource Assessment (ETO, 2003)	
Infrared Heating System	17	GDS Report 2004	
Programmable Thermostat	15	Energy Star Programmable Thermostat Calculator	

		TAM 117 14 1 5140 117 ( 110 117 )	
Boiler Outside Air Reset Control	20	Measure life assumed to be same as EMS measure life from "California Statewide Commercial Natural Gas Energy Efficiency Potential Study" (Kema-Xenergy, 2003).	
Boiler Tune-up	2	CA Statewide Gas Potential Study (Kema-Xenergy, 2003)	
Food Service – Gas Fryer	8	ENERGY STAR Gas Fryer Calculator	
Food Service – Steam Cooker	10	ENERGY STAR Steam Cooker Calculator	
Food Service – High Efficiency Convection Oven	12	PG&E -CPUC 2006-2008 / Single Family Rebate Program	
Food Service – Hight Efficiency Combination Oven	12	PG&E -CPUC 2006-2008 / Single Family Rebate Program	
Food Service – High Efficiency Griddle	12	PG&E -CPUC 2006-2008 / Single Family Rebate Program	
Building Shell – Windows	35	GDS Report 2004	
Building Shell – Wall Insulation	35	GDS Report 2004	
Building Shell – Roof Insulation	20	GDS Report 2004	
		ThermWise Builder Rebates	
Standard Water Heater	15	GDS Report 2004	
Tankless Water Heater	20	Pacific Gas & Electric by Davis Energy Group 2004	
High Efficiency Furnace	20	GDS Report 2004	
ENERGY STAR Homes	44	Rocky Mountain Power Cost Effective Inputs for ENERGY STAR Homes Program 2006	
ENERGY STAR Federal Tax Credit Home	44	Rocky Mountain Power Cost Effective Inputs for ENERGY STAR Homes Program 2006	
Residential Gas Boiler	20	ENERGY STAR Boiler Savings Calculator <a href="http://energystar.gov/index.cfm?c=boilers.pr_boilers">http://energystar.gov/index.cfm?c=boilers.pr_boilers</a>	
Solar Assisted Water Heating	25	Utah Clean Energy  "Introduction to Utah Clean Energy's Proposed Solar Water Heating Incentive"	
ThermWise Home Energy Audits			
Water Heater Blanket	10	DOE Rebuild America Reenergize Energy Efficiency Guidebook	
Pipe Insulation	10	DOE Rebuild America Reenergize Energy Efficiency Guidebook	
Faucet Aerator	10	DOE Rebuild America Reenergize Energy Efficiency Guidebook	
Low Flow Shower Head	10	Nexant 2006 Market Study Report	
Programmable Thermostat	15	Nexant 2006 Market Study Report	

	Ther	mWise Weatherization Rebates	
Windows	25	RMP Home Energy Savings Program Filing 2006	
Wall Insulation	45	RMP Home Energy Savings Program Filing 2006	
Attic Insulation	45	RMP Home Energy Savings Program Filing 2006	
Floor Insulation	45	RMP Home Energy Savings Program Filing 2006	
Duct Sealing	20	RMP Home Energy Savings Program Filing 2006	
Duct Insulation	20	<i></i>	
Duct institution		Based on Duct Sealing Lifecycle	
High Efficiency	Low I	ncome Weatherization Program	
High Efficiency Furnace	20	GDS Report 2004	
	Therr	nWise Business Custom Rebates	
Program Measures	15	Database for Energy Efficient Resources, Revised/Updated EULs Based on Retention and Persistence Studies Results, SERA July 2005	
	The	ermWise Multi-family Rebates	
In Unit Storage Water Heaters	15	GDS Report 2004	
In Unit Clothes washers	14	Colorado DSM Market Potential Assessment 2006	
In Unit Clothes Dryers	12	Gas Deemed Savings Database, Nexant	
In Unit Furnaces	20	GDS Report 2004	
Common Area Water Heaters	15	GDS Report 2004	
Common Area Coin Operated Clothes washers	14	Gas Deemed Savings Database, Nexant	
Common Area Coin Operated Dryers	12	Gas Deemed Savings Database, Nexant	
Common Area Boilers	20	ENERGY STAR Boiler Savings Calculator <a href="http://energystar.gov/index.cfm?c=boilers.pr_boilers">http://energystar.gov/index.cfm?c=boilers.pr_boilers</a>	
Wall Insulation	45	Rocky Mountain Power Cost Effective Inputs for Home Energy Sav Program	
Floor Insulation	45	Rocky Mountain Power Cost Effective Inputs for Home Energy Savir Program	
Attic Insulation	45	Rocky Mountain Power Cost Effective Inputs for Home Energy Savings Program	
Replacement Windows	25	Rocky Mountain Power Cost Effective Inputs for Home Energy Savings Program	
ENERGY STAR Multifamily	44	Rocky Mountain Power Cost Effectiveness Inputs for ENERGY STAR Homes Program	

## **INCREMENTAL COST**

Clothes Washer Tier 2 \$130.58/Unit 2006  Clothes Dryer \$50.00/Unit Gas Deemed Savings Database, Nexant 2004  Standard Water Heater \$100.00/Unit GDS Report 2004  Tankless Water Heater \$800.00/Unit Energy Trust of Oregon 2006  High Efficiency Furnace \$675.00/Unit Energy Commission and California Public Utilities Commissic 2006  Residential Gas Boiler \$1,300.00/Unit Energy Commission and California Public Utilities Commissic 2006  Residential Gas Boiler \$1,300.00/Unit Energy Commission and California Public Utilities Commissic 2006  Residential Gas Boiler \$1,300.00/Unit Energy Commission and California Public Utilities Commissic 2006  Residential Gas Boiler \$1,300.00/Unit Energy STAR Boiler Savings Calculator http://energystar.gov/index.cfm?c=boilers.pr_boilers  Utah Clean Energy  "Introduction to Utah Clean Energy's Proposed Solar Water Heating Incentive"  ThermWise Business Rebates  High-efficiency storage gas water heater \$509.00/Unit GDS Report 2004  Storage gas water heater \$509.00/Unit PG&E -CPUC 2004-2005 / Single Family Rebate Program High-efficiency tankless gas water salte \$509.00/Unit Aligned w/ Res Program  High Efficiency \$120.00/Unit Aligned w/ Res Program  Energy Star Commercial Clothes Washer Calculator, confirming with CEE  Gas Clothes Dryer \$50.00/Unit Nexant estimate  Low Flow Pre-Rinse Spray Valve \$50.00/Unit Rinse & Save Program Evaluation, 2005  ### Energy Star Commercial Deem Patabase  High Efficiency Gas \$777.00/Unit 2004-2005 California DEER Database  ### Energy Star Confirming DEER Database	ThermWise Appliance Rebates				
Clothes Washer Tier 2 Clothes Dryer Standard Water Heater Heater Tankless Water Heater High Efficiency Furnace Solar Assisted Water Heating High-efficiency storage gas water heater High-efficiency tankless gas water heater  Fligh-efficiency Storage gas water High-efficiency tankless gas water High-efficiency Storage gas water High-efficiency tankless gas water High-efficiency tankles gas water Heater  Fligh-efficiency tankles gas water Holling Efficiency tankles gas water Low Flow Pre-Rinse Spray Valve  High Efficiency Gas Furnace  \$130.00/Unit  Flore Storage gas water High Efficiency Clothes Washer  California Pablic Validronia Energy Efficient Resources (DEER). California Energy Commission and California Public Utilities Commission 2006  ENERGY STAR Boiler Savings Calculator http://energystar.gov/index.cfm?c=boilers.pr_boilers Putab Clean Energy High-efficiency Shoon.00/Unit Flore Shoon.00/Unit GDS Report 2004  SDS Report 2004  ThermWise Business Rebates  High-efficiency Shoon.00/Unit Flore Shoon.00/Unit Flore Shoon.00/Unit Flore Shoon.00/Unit Flore Shoon.00/Unit Aligned w/ Res Program Flore Shoon.00/Unit F	Measure	<b>Incremental Cost</b>	Source		
Clothes Dryer \$50.00/Unit Gas Deemed Savings Database, Nexant 2004  Standard Water Heater \$100.00/Unit GDS Report 2004  Tankless Water Heater \$800.00/Unit Energy Trust of Oregon 2006  Heater \$675.00/Unit Energy Efficient Resources (DEER), California Energy Commission and California Public Utilities Commission and California Deen Database Public Utilities Commission and California Database Public Ut	Clothes Washer Tier 1	\$108.45/Unit	RMP Cost Effective Inputs for Home Energy Savings Program		
Standard Water Heater Tankless Water Heater High Efficiency Furnace Residential Gas Boiler Solar Assisted Water Heating High-efficiency storage gas water heater High-efficiency storage gas water heater High Efficiency Clothes Washer High Efficiency Sas Clothes Dryer Clothes Washer Low Flow Pre-Rinse Spray Valve High Efficiency Gas Furnace Solon/Unit Furnace Solon/Unit Furnace Solon/Unit Solon/Unit Furnace Sol	Clothes Washer Tier 2	\$130.58/Unit	2006		
Heater Tankless Water Heater  High Efficiency Furnace  Residential Gas Boiler  Solar Assisted Water Heating  ThermWise Business Rebates  High-efficiency storage gas water heater  High-efficiency tankless gas water heater  High Efficiency Clothes Washer  Fig. 2000/Unit  Fig. 2000/Unit  ThermWise Business Rebates  Solor Assisted Water Heating  Fig. 2000/Unit  Fig. 2	Clothes Dryer	\$50.00/Unit	Gas Deemed Savings Database, Nexant 2004		
Heater High Efficiency Furnace September Septe	Heater	\$100.00/Unit	GDS Report 2004		
Residential Gas Boiler  Residential Gas Boiler  Solar Assisted Water Heating  High-efficiency storage gas water heater  High-efficiency tankless Gas water heater  High Efficiency  Clothes Washer  Gas Clothes Dryer  Low Flow Pre-Rinse Spray Valve  High Efficiency Gas Fundaces  Firmace  \$675.00/Unit   Energy Commission and California Public Utilities Commission 2006  ENERGY STAR Boiler Savings Calculator http://energystar.gov/index.cfm?c=boilers.pr_boilers  Utha Clean Energy  Utha Clean Energy  Fundaces Fundaces  Fundaces  Fundaces  Fundaces  \$1,300.00/Unit   GDS Report 2004  Fundaces Fundaces  \$100.00/Unit   GDS Report 2004  Fundaces  Fundaces  \$100.00/Unit   FG&E -CPUC 2004-2005 / Single Family Rebate Program  CA Statewide Gas Potential Study (Kema-Xenergy, 2003)  Aligned w/ Res Program  Energy Star Commercial Clothes Washer Calculator, confirmace with CEE  California Urban Water Conservation Council, Rinse & Save Program Evaluation, 2005  \$675.00/Unit   2004-2005 California DEER Database  \$777.00/Unit   2004-2005 California DEER Database		\$800.00/Unit			
Solar Assisted Water Heating  ThermWise Business Rebates  High-efficiency storage gas water heater High-efficiency tankless gas water heater  High Efficiency Clothes Washer  Gas Clothes Dryer  Low Flow Pre-Rinse Spray Valve  High Efficiency Gas Furnaces  Fig. 300.00/Unit Spray Sol.00/Unit Spray Sol.00/Unit Sol.00/Unit Sol.00/Unit Aligned Water Alexange Sol.00/Unit Sol.00/Unit Sol.00/Unit Sol.00/Unit Sol.00/Unit Sol.00/Unit Sol.00/Unit Aligned Washer Calculator, confirment with CEE  Gas Clothes Dryer  High Efficiency Sol.00/Unit		\$675.00/Unit	Energy Commission and California Public Utilities Commission		
Solar Assisted Water Heating  ThermWise Business Rebates  High-efficiency storage gas water heater High-efficiency tankless gas water heater  High Efficiency Clothes Washer  Gas Clothes Dryer  Low Flow Pre-Rinse Spray Valve  High Efficiency Gas Furnaces  Figurages  \$6,000.00/Unit  \$6,000.00/Unit  \$100.00/Unit  \$100.00/Unit  \$100.00/Unit  \$100.00/Unit  \$100.00/Unit  \$100.00/Unit  \$110.00/Unit  \$110.00/Unit	Residential Gas Boiler	\$1,300.00/Unit			
High-efficiency storage gas water heater \$509.00/Unit PG&E -CPUC 2004-2005 / Single Family Rebate Program  High-efficiency tankless gas water heater \$318.00/Unit CA Statewide Gas Potential Study (Kema-Xenergy, 2003)  High Efficiency Clothes Washer \$120.00/Unit Aligned w/ Res Program  High Efficiency Clothes Washer \$300.00/Unit Energy Star Commercial Clothes Washer Calculator, confirmed with CEE  Gas Clothes Dryer \$50.00/Unit Nexant estimate  Low Flow Pre-Rinse Spray Valve \$50.00/Unit Rinse & Save Program Evaluation, 2005  High Efficiency Gas Furnaces \$777.00/Unit 2004-2005 California DEER Database		\$6,000.00/Unit	"Introduction to Utah Clean Energy's Proposed Solar Water		
storage gas water heater \$509.00/Unit PG&E -CPUC 2004-2005 / Single Family Rebate Program  High-efficiency tankless gas water heater \$98.00/Unit Aligned w/ Res Program  High Efficiency Clothes Washer \$120.00/Unit Aligned w/ Res Program  Energy Star Commercial Clothes Washer Calculator, confirmed with CEE  Gas Clothes Dryer \$50.00/Unit Nexant estimate  Low Flow Pre-Rinse Spray Valve \$50.00/Unit Rinse & Save Program Evaluation, 2005  High Efficiency Gas Furnaces \$777.00/Unit 2004-2005 California DEER Database	ThermWise Business Rebates				
High-efficiency tankless gas water heater  High Efficiency Clothes Washer  Gas Clothes Dryer  Low Flow Pre-Rinse Spray Valve  High Efficiency Gas Furnaces  Furnaces  \$509.00/Unit PG&E -CPUC 2004-2005 / Single Family Rebate Program  CA Statewide Gas Potential Study (Kema-Xenergy, 2003)  Aligned w/ Res Program  Aligned w/ Res Program  Energy Star Commercial Clothes Washer Calculator, confirmed with CEE  California Urban Water Conservation Council, Rinse & Save Program Evaluation, 2005  \$675.00/Unit 2004-2005 California DEER Database  \$777.00/Unit 2004-2005 California DEER Database	-	\$100.00/Unit	GDS Report 2004		
High-efficiency tankless gas water heater  Systantial Study (Stema-Statewide Gas Potential Study (Kema-Stenergy, 2003)  Systantial Study (Kema-Stenergy, 2003)  Systantial Study (Kema-Stenergy, 2003)  Aligned w/ Res Program  Aligned w/ Res Program  Systantial Study (Kema-Stenergy, 2003)  Aligned w/ Res Program  Energy Star Commercial Clothes Washer Calculator, confirmed with CEE  Gas Clothes Dryer  Systantial Study (Kema-Stenergy, 2003)  Aligned w/ Res Program  Energy Star Commercial Clothes Washer Calculator, confirmed with CEE  California Urban Water Conservation Council, Rinse & Save Program Evaluation, 2005  Syray Valve  High Efficiency Gas Furnaces  Syray.00/Unit 2004-2005 California DEER Database  \$777.00/Unit 2004-2005 California DEER Database		\$509.00/Unit	PG&E -CPUC 2004-2005 / Single Family Rebate Program		
High Efficiency Clothes Washer  \$120.00/Unit  \$120.00/Unit  \$300.00/Unit  Energy Star Commercial Clothes Washer Calculator, confirmed with CEE  Gas Clothes Dryer  Low Flow Pre-Rinse Spray Valve  \$50.00/Unit  California Urban Water Conservation Council, Rinse & Save Program Evaluation, 2005  \$675.00/Unit  2004-2005 California DEER Database  \$777.00/Unit  \$2004-2005 California DEER Database	High-efficiency tankless gas water	\$318.00/Unit	CA Statewide Gas Potential Study (Kema-Xenergy, 2003)		
Clothes Washer  \$300.00/Unit  Energy Star Commercial Clothes Washer Calculator, confirmed with CEE  Gas Clothes Dryer  \$50.00/Unit  Nexant estimate  California Urban Water Conservation Council, Rinse & Save Program Evaluation, 2005  ### High Efficiency Gas Furnaces  \$777.00/Unit  \$2004-2005 California DEER Database		\$98.00/Unit	Aligned w/ Res Program		
\$300.00/Unit Star Commercial Clothes Washer Calculator, confirmed with CEE  Gas Clothes Dryer \$50.00/Unit Nexant estimate  Low Flow Pre-Rinse Spray Valve \$50.00/Unit California Urban Water Conservation Council, Rinse & Save Program Evaluation, 2005  \$675.00/Unit 2004-2005 California DEER Database  \$777.00/Unit 2004-2005 California DEER Database		\$120.00/Unit	Aligned w/ Res Program		
Low Flow Pre-Rinse Spray Valve \$50.00/Unit California Urban Water Conservation Council, Rinse & Save Program Evaluation, 2005  High Efficiency Gas Furnaces \$777.00/Unit 2004-2005 California DEER Database	Clothes Washer	\$300.00/Unit	Energy Star Commercial Clothes Washer Calculator, confirmed with CEE		
Spray Valve  Spray	Gas Clothes Dryer	\$50.00/Unit	Nexant estimate		
High Efficiency Gas Furnaces \$777.00/Unit 2004-2005 California DEER Database		\$50.00/Unit			
Furnaces \$777.00/Onit 2004-2005 California DEER Database		\$675.00/Unit	2004-2005 California DEER Database		
		\$777.00/Unit	2004-2005 California DEER Database		
\$876.00/Unit   2004-2005 California DEER Database		\$876.00/Unit	2004-2005 California DEER Database		
\$508.00/Unit CA Statewide Gas Potential Study (Kema-Xenergy, 2003)	Boilers (hot water)		CA Statewide Gas Potential Study (Kema-Xenergy, 2003)		
Boilers (hot water) \$1,950.00/Unit CA Statewide Gas Potential Study (Kema-Xenergy, 2003)					
\$508.00/Unit CA Statewide Gas Potential Study (Kema-Xenergy, 2003)					
Boilers (steam) \$1,524.00/Unit CA Statewide Gas Potential Study (Kema-Xenergy, 2003)	Boilers (steam)	\$1,524.00/Unit			
Direct Contact Water Heater  \$15,190.00/Unit PG&E -CPUC 2004-2005 / Single Family Rebate Program					
		\$550.00/Unit	Analysis of Standard Options for Unit Heaters and Duct Furnaces		

Heater		(PG&E 2004)
	\$2,640.00/Unit	Analysis of Standard Options for Unit Heaters and Duct Furnaces (PG&E 2004)
Infrared Heating System	\$686.00/Unit	Cost review based upon Vendor Costs (Grainger)
Programmable Thermostat	\$52.00/Unit	Cost based upon Deemed Customer Cost for RMP's FinAnswer Express Program
Boiler Outside Air Reset Control	\$835.00/Unit	2004-2005 California DEER Database
Boiler Tune-up	\$600.00/Unit	CA Statewide Gas Potential Study (Kema-Xenergy, 2003)
Food Service – Gas Fryer	\$3,796.00/Unit	ENERGY STAR Gas Fryer Calculator
Food Service – Steam Cooker	\$6,221.00/Unit	ENERGY STAR Steam Cooker Calculator
Food Service – High Efficiency Convection Oven	\$3,144.00/Unit	PG&E -CPUC 2006-2008 / Single Family Rebate Program
Food Service – High Efficiency Combination Oven	\$21,797.00/Unit	PG&E -CPUC 2006-2008 / Single Family Rebate Program
Food Service – High Efficiency Griddle	\$4,575.00/Unit	PG&E -CPUC 2006-2008 / Single Family Rebate Program
Building Shell – Windows	\$3,314.00/Installation	GDS Report 2004
Building Shell – Wall Insulation	\$595.00/Installation	Database for Energy Efficient Resources (DEER). California Energy Commission (CEC) and California Public Utilities Commission (CPUC). 2006.
Building Shell – Roof Insulation	\$946.00/Installation	Database for Energy Efficient Resources (DEER). California Energy Commission (CEC) and California Public Utilities Commission (CPUC). 2006.
	Therm	aWise Builder Rebates
Standard Water Heater	\$100.00/Unit	GDS Report 2004
Tankless Water Heater	\$800.00/Unit	Energy Trust of Oregon 2006.
High Efficiency Furnace	\$675.00/Unit	Database for Energy Efficient Resources (DEER). California Energy Commission (CEC) and California Public Utilities Commission (CPUC). 2006.
ENERGY STAR Homes	\$1,265.97/Unit	RMP Cost Effective Inputs for ENERGY STAR Homes Program
ENERGY STAR Federal Tax Credit Home	\$3,000.00/Unit	Rocky Mountain Power Cost Effective Inputs for ENERGY STAR Homes Program 2006
Residential Gas Boiler	\$1,300.00/Unit	ENERGY STAR Boiler Savings Calculator <a href="http://energystar.gov/index.cfm?c=boilers.pr_boilers">http://energystar.gov/index.cfm?c=boilers.pr_boilers</a>
Solar Assisted Water Heating	\$6,000.00/Unit	Utah Clean Energy  "Introduction to Utah Clean Energy's Proposed Solar Water  Heating Incentive"

	Ther	Wise H	ome Energy Audits
Water Heater Blanket	\$14.00/L	nit	Nexant 2006 Market Study Report
Pipe Insulation	\$4.00/Unit		US Department of Energy's Rebuild America Reenergize Energy Efficiency Guidebook
Faucet Aerator	\$3.00/	nit	Niagara Conservation
Low Flow Shower Head	\$6.20/	nit	Nexant 2006 Market Study Report
Programmable Thermostat	\$39.39/Unit		Nexant 2006 Market Study Report
	Therm	Vise We	eatherization Rebates
Windows	\$1.30/ sq	t.	RMP Home Energy Savings Program Filing 1
Wall Insulation	\$0.64/sq	t.	RMP Home Energy Savings Program Filing 1
Attic Insulation	\$0.50/sq	t.	RMP Home Energy Savings Program Filing 1
Floor Insulation	\$0.42/sq	t.	RMP Home Energy Savings Program Filing 1
Duct Sealing	\$310.12/נ	it	RMP Home Energy Savings Program Filing 1
Duct Insulation	\$347.27/	nit La	awrence Berkeley National Laboratory Home Energy Saver (Salt Lake City)
·	Therm	ise Bus	iness Custom Rebates
Program Measures	\$25.00/Dth saved	N	lexant estimate extrapolated from GDS Report 2004
	Ther	Wise M	lulti-family Rebates
In Unit Storage Water Heaters	\$100.00/unit		GDS Report 2004
In Unit Clothes washers	\$108.00/unit	Rocky Mountain Cost Effective Inputs for Home Energy Savings Program	
In Unit Clothes Dryers	\$50.00/unit	Gas Deemed Savings Database, Nexant	
In Unit Furnaces	\$675.00/unit	Database for Energy Efficient Resources (DEER)	
Common Area Water Heaters	\$100.00/unit	GDS Report 2004	
Common Area Coin Operated Clothes washers	\$108.00/unit	Gas Deemed Savings Database, Nexant	
Common Area Coin Operated Dryers	\$50.00/unit	Gas Deemed Savings Database, Nexant	
Common Area Boilers	\$1,300.00/unit		ENERGY STAR Boiler Savings Calculator <a href="http://energystar.gov/index.cfm?c=boilers.pr_boilers">http://energystar.gov/index.cfm?c=boilers.pr_boilers</a>
Wall Insulation	\$0.64/sq. ft.		DSM Market Characterization Report

Floor Insulation	\$0.42/sq. ft.	DSM Market Characterization Report
Attic Insulation	\$0.50q. ft.	DSM Market Characterization Report
Replacement Windows	\$1.30/sq. ft.	DSM Market Characterization Report
ENERGY STAR Multifamily	\$881.00/unit	Rocky Mountain Power Cost Effectiveness Inputs for ENERGY STAR Homes Program