

Annual Energy Summary

Wholehouse Summary

FSEC
111 Anywhere Lane
Colorado Springs, CO

Project Title:
DSE_HVAC-3a
Building Type: User
HERS BESTEST basement case

TMY_City:CO_COLORADOSPRINGS
Elec Util: EnergyGauge Default
Gas Util: Florida 2012
2/16/2018

End-Use	Energy Consumption	Annual Cost
Cooling		
Cooling Fan	0 kWh	\$0
Mechanical Vent Fan	0 kWh	\$0
Total Cooling	0 kWh	\$0
Heating		
Therms	742.3 Therms	\$1262
Heating Fan/Pump	581 kWh	\$69
Mechanical Vent Fan	0 kWh	\$0
Total Heating		\$1331
Hot Water	0 kWh	\$0
Hot Water Pump	0 kWh	\$0
Total Hot Water	0 kWh	\$0
Ceiling Fans	0 kWh	\$0
Clothes Washer	37 kWh	\$4
Dehumidifier	0 kWh	\$0
Dishwasher	78 kWh	\$9
Dryer Electric	372 kWh	\$44
Lighting	1863 kWh	\$221
Miscellaneous	1401 kWh	\$166
Pool Pump	0 kWh	\$0
Range Electric	331 kWh	\$39
Refrigerator	637 kWh	\$76
Television	413 kWh	\$49
Total (kWh)	5712 kWh	\$679
Total (Therms)	742.3 Therms	\$1262
Total (Oil Gallons)	0 Gallons	\$0
Total (Propane Gallons)	0 Gallons	\$0
PV Produced (kWh)	0 kWh	\$0
Assumes net metering		
Total Cost		\$1941

Emissions (Calculated as Total - PV Produced)
SO2 = 10.88 Lbs NOX = 6917.85 Lbs CO2 = 9.33 Tons

Annual Energy Summary

Wholehouse Summary

FSEC
111 Anywhere Lane
Colorado Springs, CO

Project Title:
DSE_HVAC-3b
Building Type: User
HERS BESTEST basement case

TMY_City:CO_COLORADOSPRINGS
Elec Util: EnergyGauge Default
Gas Util: Florida 2012
2/16/2018

End-Use	Energy Consumption	Annual Cost
Cooling		
Cooling Fan	0 kWh	\$0
Mechanical Vent Fan	0 kWh	\$0
Total Cooling	0 kWh	\$0
Heating		
Therms	944.2 Therms	\$1605
Heating Fan/Pump	553 kWh	\$66
Mechanical Vent Fan	0 kWh	\$0
Total Heating		\$1671
Hot Water	0 kWh	\$0
Hot Water Pump	0 kWh	\$0
Total Hot Water	0 kWh	\$0
Ceiling Fans	0 kWh	\$0
Clothes Washer	37 kWh	\$4
Dehumidifier	0 kWh	\$0
Dishwasher	78 kWh	\$9
Dryer Electric	372 kWh	\$44
Lighting	1863 kWh	\$221
Miscellaneous	1401 kWh	\$166
Pool Pump	0 kWh	\$0
Range Electric	331 kWh	\$39
Refrigerator	637 kWh	\$76
Television	413 kWh	\$49
Total (kWh)	5684 kWh	\$675
Total (Therms)	944.2 Therms	\$1605
Total (Oil Gallons)	0 Gallons	\$0
Total (Propane Gallons)	0 Gallons	\$0
PV Produced (kWh)	0 kWh	\$0
Assumes net metering		
Total Cost		\$2280

Emissions (Calculated as Total - PV Produced)
SO2 = 10.82 Lbs NOX = 8795.45 Lbs CO2 = 10.49 Tons

Annual Energy Summary

Wholehouse Summary

FSEC
111 Anywhere Lane
Colorado Springs, CO

Project Title: TMY_City:CO_COLORADOSPRINGS
DSE_HVAC-3c
Building Type: User
HERS BESTEST basement case

Elec Util: EnergyGauge Default
Gas Util: Florida 2012
2/16/2018

End-Use	Energy Consumption	Annual Cost
Cooling		
Cooling Fan	0 kWh	\$0
Mechanical Vent Fan	0 kWh	\$0
Total Cooling	0 kWh	\$0
Heating		
Therms	788.0 Therms	\$1340
Heating Fan/Pump	573 kWh	\$68
Mechanical Vent Fan	0 kWh	\$0
Total Heating		\$1408
Hot Water	0 kWh	\$0
Hot Water Pump	0 kWh	\$0
Total Hot Water	0 kWh	\$0
Ceiling Fans	0 kWh	\$0
Clothes Washer	37 kWh	\$4
Dehumidifier	0 kWh	\$0
Dishwasher	78 kWh	\$9
Dryer Electric	372 kWh	\$44
Lighting	1863 kWh	\$221
Miscellaneous	1401 kWh	\$166
Pool Pump	0 kWh	\$0
Range Electric	331 kWh	\$39
Refrigerator	637 kWh	\$76
Television	413 kWh	\$49
Total (kWh)	5704 kWh	\$678
Total (Therms)	788.0 Therms	\$1340
Total (Oil Gallons)	0 Gallons	\$0
Total (Propane Gallons)	0 Gallons	\$0
PV Produced (kWh)	0 kWh	\$0
Assumes net metering		
Total Cost		\$2017

Emissions (Calculated as Total - PV Produced)
SO2 = 10.86 Lbs NOX = 7342.84 Lbs CO2 = 9.59 Tons

Annual Energy Summary

Wholehouse Summary

FSEC
111 Anywhere Lane
Colorado Springs, CO

Project Title: TMY_City:CO_COLORADOSPRINGS
DSE_HVAC-3d
Building Type: User
HERS BESTEST basement case

Elec Util: EnergyGauge Default
Gas Util: Florida 2012
2/16/2018

End-Use	Energy Consumption	Annual Cost
Cooling		
Cooling Fan	0 kWh	\$0
Mechanical Vent Fan	0 kWh	\$0
Total Cooling	0 kWh	\$0
Heating		
Therms	869.5 Therms	\$1478
Heating Fan/Pump	623 kWh	\$74
Mechanical Vent Fan	0 kWh	\$0
Total Heating		\$1552
Hot Water	0 kWh	\$0
Hot Water Pump	0 kWh	\$0
Total Hot Water	0 kWh	\$0
Ceiling Fans	0 kWh	\$0
Clothes Washer	37 kWh	\$4
Dehumidifier	0 kWh	\$0
Dishwasher	78 kWh	\$9
Dryer Electric	372 kWh	\$44
Lighting	1863 kWh	\$221
Miscellaneous	1401 kWh	\$166
Pool Pump	0 kWh	\$0
Range Electric	331 kWh	\$39
Refrigerator	637 kWh	\$76
Television	413 kWh	\$49
Total (kWh)	5754 kWh	\$684
Total (Therms)	869.5 Therms	\$1478
Total (Oil Gallons)	0 Gallons	\$0
Total (Propane Gallons)	0 Gallons	\$0
PV Produced (kWh)	0 kWh	\$0
Assumes net metering		
Total Cost		\$2162

Emissions (Calculated as Total - PV Produced)
SO2 = 10.96 Lbs NOX = 8100.92 Lbs CO2 = 10.11 Tons

Annual Energy Summary

Wholehouse Summary

FSEC
111 Anywhere Lane
Las Vegas, NV

Project Title:
DSE_HVAC-3e
Building Type: User
HERS BESTEST basecase home

TMY_City:NV_LASVEGAS
Elec Util: EnergyGauge Default
Gas Util: Florida 2012
2/16/2018

End-Use	Energy Consumption	Annual Cost
Cooling Electric	5583 kWh	\$663
Cooling Fan	987 kWh	\$117
Mechanical Vent Fan	0 kWh	\$0
Total Cooling	6570 kWh	\$781
Heating		
Heating Fan/Pump	0 kWh	\$0
Mechanical Vent Fan	0 kWh	\$0
Total Heating	\$0	\$0
Hot Water	0 kWh	\$0
Hot Water Pump	0 kWh	\$0
Total Hot Water	0 kWh	\$0
Ceiling Fans	0 kWh	\$0
Clothes Washer	37 kWh	\$4
Dehumidifier	0 kWh	\$0
Dishwasher	78 kWh	\$9
Dryer Electric	372 kWh	\$44
Lighting	1863 kWh	\$221
Miscellaneous	1401 kWh	\$166
Pool Pump	0 kWh	\$0
Range Electric	331 kWh	\$39
Refrigerator	637 kWh	\$76
Television	413 kWh	\$49
Total (kWh)	11702 kWh	\$1390
Total (Therms)	0.0 Therms	\$0
Total (Oil Gallons)	0 Gallons	\$0
Total (Propane Gallons)	0 Gallons	\$0
PV Produced (kWh)	0 kWh	\$0
Assumes net metering		
Total Cost		\$1390

Emissions (Calculated as Total - PV Produced)

SO2 = 5.02 Lbs NOX = 9.64 Lbs CO2 = 6.21 Tons

Annual Energy Summary

Wholehouse Summary

FSEC
111 Anywhere Lane
Las Vegas, NV

Project Title:
DSE_HVAC-3f
Building Type: User
HERS BESTEST basecase home

TMY_City:NV_LASVEGAS
Elec Util: EnergyGauge Default
Gas Util: Florida 2012
2/16/2018

End-Use	Energy Consumption	Annual Cost
Cooling Electric	7309 kWh	\$868
Cooling Fan	1296 kWh	\$154
Mechanical Vent Fan	0 kWh	\$0
Total Cooling	8605 kWh	\$1022
Heating		
Heating Fan/Pump	0 kWh	\$0
Mechanical Vent Fan	0 kWh	\$0
Total Heating		\$0
Hot Water	0 kWh	\$0
Hot Water Pump	0 kWh	\$0
Total Hot Water	0 kWh	\$0
Ceiling Fans	0 kWh	\$0
Clothes Washer	37 kWh	\$4
Dehumidifier	0 kWh	\$0
Dishwasher	78 kWh	\$9
Dryer Electric	372 kWh	\$44
Lighting	1863 kWh	\$221
Miscellaneous	1401 kWh	\$166
Pool Pump	0 kWh	\$0
Range Electric	331 kWh	\$39
Refrigerator	637 kWh	\$76
Television	413 kWh	\$49
Total (kWh)	13736 kWh	\$1632
Total (Therms)	0.0 Therms	\$0
Total (Oil Gallons)	0 Gallons	\$0
Total (Propane Gallons)	0 Gallons	\$0
PV Produced (kWh)	0 kWh	\$0
Assumes net metering		
Total Cost		\$1632

Emissions (Calculated as Total - PV Produced)
SO2 = 5.89 Lbs NOX = 11.32 Lbs CO2 = 7.29 Tons

Annual Energy Summary

Wholehouse Summary

FSEC
111 Anywhere Lane
Las Vegas, NV

Project Title:
DSE_HVAC-3g
Building Type: User
HERS BESTEST basecase home

TMY_City:NV_LASVEGAS
Elec Util: EnergyGauge Default
Gas Util: Florida 2012
2/16/2018

End-Use	Energy Consumption	Annual Cost
Cooling Electric	6033 kWh	\$717
Cooling Fan	1066 kWh	\$127
Mechanical Vent Fan	0 kWh	\$0
Total Cooling	7099 kWh	\$843
Heating		
Heating Fan/Pump	0 kWh	\$0
Mechanical Vent Fan	0 kWh	\$0
Total Heating		\$0
Hot Water	0 kWh	\$0
Hot Water Pump	0 kWh	\$0
Total Hot Water	0 kWh	\$0
Ceiling Fans	0 kWh	\$0
Clothes Washer	37 kWh	\$4
Dehumidifier	0 kWh	\$0
Dishwasher	78 kWh	\$9
Dryer Electric	372 kWh	\$44
Lighting	1863 kWh	\$221
Miscellaneous	1401 kWh	\$166
Pool Pump	0 kWh	\$0
Range Electric	331 kWh	\$39
Refrigerator	637 kWh	\$76
Television	413 kWh	\$49
Total (kWh)	12230 kWh	\$1453
Total (Therms)	0.0 Therms	\$0
Total (Oil Gallons)	0 Gallons	\$0
Total (Propane Gallons)	0 Gallons	\$0
PV Produced (kWh)	0 kWh	\$0
Assumes net metering		
Total Cost		\$1453

Emissions (Calculated as Total - PV Produced)
SO2 = 5.25 Lbs NOX = 10.08 Lbs CO2 = 6.49 Tons

Annual Energy Summary

Wholehouse Summary

FSEC
111 Anywhere Lane
Las Vegas, NV

Project Title:
DSE_HVAC-3h
Building Type: User
HERS BESTEST basecase home

TMY_City:NV_LASVEGAS
Elec Util: EnergyGauge Default
Gas Util: Florida 2012
2/16/2018

End-Use	Energy Consumption	Annual Cost
Cooling Electric	7072 kWh	\$840
Cooling Fan	1242 kWh	\$148
Mechanical Vent Fan	0 kWh	\$0
Total Cooling	8314 kWh	\$988
Heating		
Heating Fan/Pump	0 kWh	\$0
Mechanical Vent Fan	0 kWh	\$0
Total Heating		\$0
Hot Water	0 kWh	\$0
Hot Water Pump	0 kWh	\$0
Total Hot Water	0 kWh	\$0
Ceiling Fans	0 kWh	\$0
Clothes Washer	37 kWh	\$4
Dehumidifier	0 kWh	\$0
Dishwasher	78 kWh	\$9
Dryer Electric	372 kWh	\$44
Lighting	1863 kWh	\$221
Miscellaneous	1401 kWh	\$166
Pool Pump	0 kWh	\$0
Range Electric	331 kWh	\$39
Refrigerator	637 kWh	\$76
Television	413 kWh	\$49
Total (kWh)	13446 kWh	\$1597
Total (Therms)	0.0 Therms	\$0
Total (Oil Gallons)	0 Gallons	\$0
Total (Propane Gallons)	0 Gallons	\$0
PV Produced (kWh)	0 kWh	\$0
Assumes net metering		
Total Cost		\$1597

Emissions (Calculated as Total - PV Produced)
SO2 = 5.77 Lbs NOX = 11.08 Lbs CO2 = 7.13 Tons