Portland Energy Efficient Home Pilot (PEEHP)

Builder Option Decision Matrix: Exhibit B

Builder: _____ **Contact:** _____ **Contact Number:** _____

Home Address: _____

Builder Signature:		**Date:**	

Measure		Code Requirements	ENERGY STAR Requirements				
			Envelope Upgrade	On Demand Tankless Water Heater	Wall Upgrade	Ducts & HVAC Equipment Inside	Comments for Meeting ENERGY STAR Requirements
Insulation							
Ceiling	Flat	R-38	R-49	R-38	R-49	R-38	Requires Insulation Inspection
	Rafter Vault	R-30	R-30				Requires Insulation Inspection
	Scissor Truss	R-38	R-38				Requires Insulation Inspection
Wall		R-21	R-21		R-21 + R-3 Sheathing	R-21	Requires Intermediate Framing Techniques and Insulation Inspection
Below-Grade Wall		R-19	R-19				Requires Insulation Inspection
Floors Over Unconditiooned Space		R-30	R-38	R-30			Insulation in floor joist cavity. Perimeter insulation not allowed
Slab Floor	Unheated	R-15 Perimeter	R-10 Full Slab	R-15 Perimeter	R-10 Full Slab or R-15 Perimeter with R-21 Wall + R-5 Sheathing	R-15 Perimeter	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge. Perimeter insulation shall be installed for a distance of 2 Feet vertical, horizontal or combined distance. In areas east of the Cascade mountains, 4 feet is recommended.
	Heated		R-15 Full Slab	R-10 Full Slab	R-10 Full Slab	R-10 Full Slab	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge.
Doors & Windows							
Glazing	Glazing Area	no limit	21 % Heated Floor Area	Glazing Area: _____			
	Windows	U-0.35	U-0.32 Max	U-0.35 Max	U-0.32 Max	U-0.35 Max	Combined window and skylight area. Up to 1% of heated floor area is exempt.
	Skylights/Solar Tubes	see code	code compliant skylights, max area limited to 5% heated floor space				see code to determine rating requirements.
Doors		R-5	R-5				
Ducts							

Insulation		R-8	R-8			exempt	
Sealing		Option 2: Mastic or inside envelope OR no requirement	Mastic Paste			Ducts & HVAC equip located in conditioned space. Mastic paste required.	Tape not allowed.
Max Leakage		Option 2: <0.06 CFM/ft2 or 75 CFM Total @ 50 Pa OR no requirement	<0.06 CFM/ft2 or 75 CFM Total @50 Pa			No duct testing required.	All forced air heating and cooling system ducts shall be installed according to Northwest ENERGY STAR Homes Specifications for sizing and leakage. Performance testing is required by a certified contractor.
Return Air Provisions		(industry standards)	Rooms with 2 or more supplies require dedicated return air path, rooms with single supplies may have door undercuts of at least 1" as a minimum.				Dedicated air return path options include transfer grills, jump-over ducts, or fully-ducted return for rooms with multiple supply ducts.
Ventilation & Air Sealing							
Whole House Ventilation		Operable Windows	Mechanical Ventilation				Meets Oregon Code Section 303.1 mechanical ventilation provisions
Spot Ventilation		See code section 303.3	ENERGY STAR qualified or 2 sone or less bath fans				Applies only to bathing and spa areas.
Envelope Tightness		no requirement	7.0 ACH @ 50 Pa				Blower Door Testing to be performed by a certified ENERGY STAR Verifier.
Heating & Cooling Equipment							
Gas Furnace or Gas Heat Source		Option 1: 90 AFUE or 78 AFUE	90 AFUE				
Heat Pump		Option 1: 8.5 HSPF or 7.7 HSPF	8.5 HSPF / SEER 13				Heat Pumps must be installed according to ENERGY STAR Homes Specifications for sizing, controls, airflow, and refrigerant charge. Must pass approved heat pump commissioning method and be performed by a certified contractor.
Air Conditioner		SEER 13	SEER 13				
Combustion Applicance Zone (CAZ)		no requirement	CAZ Pressure Test Required				Whenever a non-sealed combustion appliance used for primary space or water heating is present within a building, a CAZ pressure test is required.
Water Heating							
Natural Gas	< 60 gal	0.55 EF	0.62 EF	On Demand Water Heater EF 0.82	0.62 EF	0.62 EF	Commercial Water Heater Requirements
	> 60 gal	0.55 EF	0.62 EF		0.62 EF	0.62 EF	Real Capacity (Gallons) 70-74 75-79 80-84 85-89 90-94 95-99 100+
Electric	< 70 gal	0.87 EF	0.93 EF	NA	0.93 EF	0.93 EF	Max Standby Loss (btu/hr) 900 930 950 980 1000 1030 1050
	> 70 gal	0.87 EF	0.93 EF	NA	0.93 EF	0.93 EF	
Appliances & Lighting							
Dishwasher		no requirement	ENERGY STAR Qualified				
Lighting		50%	75%				Of permanent fixtures shall be fitted with either ENERGY STAR bulbs or ENERGY STAR fixtures

Portland Energy Efficient Home Pilot (PEEHP)

Builder Option Decision Matrix

Builder: _____ **Contact:** _____ **Contact Number:** _____

Home Address: _____

Builder Signature:		**Date:**	

Directions:

Builders path determined by following prescriptive path and pre-verified with energy modeling. Selections to be either circled or written in.

Measure		**Code Requirements**	ENERGY STAR Requirements				
			Envelope Upgrade	On Demand Tankless Water Heater	Wall Upgrade	Ducts & HVAC Equipment Inside	Comments for Meeting ENERGY STAR Requirements
Insulation							
Ceiling	Flat	R-38	R-49 R- _____	R-38	R-49 R- _____	R-38 R- _____	Requires Insulation Inspection
	Rafter Vault	R-30	R-30 R- _____				Requires Insulation Inspection
	Scissor Truss	R-38	R-38 R- _____				Requires Insulation Inspection
Wall		R-21	R-21 R- _____		R-21 + R-3 Sheathing	R-21 R- _____	Requires Intermediate Framing Techniques and Insulation Inspection
Below-Grade Wall		R-19	R-19 R- _____				Requires Insulation Inspection
Floors Over Unconditiooned Space		R-30	R-38 R- _____	R-30 R- _____			Insulation in floor joist cavity. Perimeter insulation not allowed
Slab Floor	Unheated	R-15 Perimeter	R-10 Full Slab	R-15 Perimeter	R-10 Full Slab or R-15 Perimeter with R-21 Wall + R-5 Sheathing	R-15 Perimeter	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge. Perimeter insulation shall be installed for a distance of 2 Feet vertical, horizontal or combined distance. In areas east of the Cascade mountains, 4 feet is recommended.
	Heated		R-15 Full Slab	R-10 Full Slab	R-10 Full Slab	R-10 Full Slab	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge.
Doors & Windows							
Glazing	Glazing Area	no limit	21 % Heated Floor Area Glazing Area: _____				
	Windows	U-0.35	U-0.32 Max	U-0.35 Max	U-0.32 Max	U-0.35 Max	Combined window and skylight area. Up to 1% of heated floor area is exempt.
	Skylights/Solar Tubes	see code	code compliant skylights, max area limited to 5% heated floor space				see code to determine rating requirements.
Doors		R-5	R-5				

Ducts							
Insulation		R-8	R-8			exempt	
Sealing		Option 2: Mastic or inside envelope OR no requirement	Mastic Paste			Ducts & HVAC equip located in conditioned space. Mastic paste required.	Tape not allowed.
Max Leakage		Option 2: <0.06 CFM/ft2 or 75 CFM Total @ 50 Pa OR no requirement	<0.06 CFM/ft2 or 75 CFM Total @50 Pa			No duct testing required.	All forced air heating and cooling system ducts shall be installed according to Northwest ENERGY STAR Homes Specifications for sizing and leakage. Performance testing is required by a certified contractor.
Return Air Provisions		(industry standards)	Rooms with 2 or more supplies require dedicated return air path, rooms with single supplies may have door undercuts of at least 1" as a minimum.				Dedicated air return path options include transfer grills, jump-over ducts, or fully-ducted return for rooms with multiple supply ducts.
Ventilation & Air Sealing							
Whole House Ventilation		Operable Windows	Mechanical Ventilation				Meets Oregon Code Section 303.1 mechanical ventilation provisions
Spot Ventilation		See code section 303.3	ENERGY STAR qualified or 2 sone or less bath fans				Applies only to bathing and spa areas.
Envelope Tightness		no requirement	7.0 ACH @ 50 Pa				Blower Door Testing to be performed by a certified ENERGY STAR Verifier.
Heating & Cooling Equipment							
Gas Furnace or Gas Heat Source		Option 1: 90 AFUE or 78 AFUE	90 AFUE				
Heat Pump		Option 1: 8.5 HSPF or 7.7 HSPF	8.5 HSPF / SEER 13				Heat Pumps must be installed according to ENERGY STAR Homes Specifications for sizing, controls, airflow, and refrigerant charge. Must pass approved heat pump commissioning method and be performed by a certified contractor.
Air Conditioner		SEER 13	SEER 13				
Combustion Applicance Zone (CAZ)		no requirement	CAZ Pressure Test Required				Whenever a non-sealed combustion appliance used for primary space or water heating is present within a building, a CAZ pressure test is required.
Water Heating							
Natural Gas	< 60 gal	0.55 EF	0.62 EF	On Demand Water Heater EF 0.82	0.62 EF	0.62 EF	Commercial Water Heater Requirements
	> 60 gal	0.55 EF	0.62 EF		0.62 EF	0.62 EF	Real Capacity (Gallons) 70-74 75-79 80-84 85-89 90-94 95-99 100+
Electric	< 70 gal	0.87 EF	0.93 EF	NA	0.93 EF	0.93 EF	Max Standby Loss (btu/hr) 900 930 950 980 1000 1030 1050
	> 70 gal	0.87 EF	0.93 EF	NA	0.93 EF	0.93 EF	
Appliances & Lighting							
Dishwasher		no requirement	ENERGY STAR Qualified				
Lighting		50%	75%				Of permanent fixtures shall be fitted with either ENERGY STAR bulbs or ENERGY STAR fixtures

Portland Energy Efficient Home Pilot (PEEHP)

Builder Option Decision Matrix

Builder: _____ **Contact:** _____ **Contact Number:** _____

Home Address: _____

Builder Signature:		**Date:**	

Directions:

Builders path determined by following prescriptive path and pre-verified with energy modeling. Selections to be either circled or written in.

Measure		**Code Requirements**	ENERGY STAR Requirements				
			Envelope Upgrade	On Demand Tankless Water Heater	Wall Upgrade	Ducts & HVAC Equipment Inside	Comments for Meeting ENERGY STAR Requirements
Insulation							
Ceiling	Flat	R-38	R-49 R- _____	R-38	R-49	R-38	Requires Insulation Inspection
	Rafter Vault	R-30	R-30				Requires Insulation Inspection
	Scissor Truss	R-38	R-38				Requires Insulation Inspection
Wall		R-21	R-21		R-21 + R-3 Sheathing	R-21	Requires Intermediate Framing Techniques and Insulation Inspection
Below-Grade Wall		R-19	R-19				Requires Insulation Inspection
Floors Over Unconditiooned Space		R-30	R-38	R-30			Insulation in floor joist cavity. Perimeter insulation not allowed
Slab Floor	Unheated	R-15 Perimeter	R-10 Full Slab	R-15 Perimeter	R-10 Full Slab or R-15 Perimeter with R-21 Wall + R-5 Sheathing	R-15 Perimeter	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge. Perimeter insulation shall be installed for a distance of 2 Feet vertical, horizontal or combined distance. In areas east of the Cascade mountains, 4 feet is recommended.
	Heated		R-15 Full Slab	R-10 Full Slab	R-10 Full Slab	R-10 Full Slab	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge.
Doors & Windows							
Glazing	Glazing Area	no limit	21 % Heated Floor Area Glazing Area: _____				
	Windows	U-0.35	U-0.32 Max	U-0.35 Max	U-0.32 Max	U-0.35 Max	Combined window and skylight area. Up to 1% of heated floor area is exempt.
	Skylights/Solar Tubes	see code	code compliant skylights, max area limited to 5% heated floor space				see code to determine rating requirements.
Doors		R-5	R-5				

Ducts							
Insulation		R-8	R-8			exempt	
Sealing		Option 2: Mastic or inside envelope OR no requirement	Mastic Paste			Ducts & HVAC equip located in conditioned space. Mastic paste required.	Tape not allowed.
Max Leakage		Option 2: <0.06 CFM/ft2 or 75 CFM Total @ 50 Pa OR no requirement	<0.06 CFM/ft2 or 75 CFM Total @50 Pa			No duct testing required.	All forced air heating and cooling system ducts shall be installed according to Northwest ENERGY STAR Homes Specifications for sizing and leakage. Performance testing is required by a certified contractor.
Return Air Provisions		(industry standards)	Rooms with 2 or more supplies require dedicated return air path, rooms with single supplies may have door undercuts of at least 1" as a minimum.				Dedicated air return path options include transfer grills, jump-over ducts, or fully-ducted return for rooms with multiple supply ducts.
Ventilation & Air Sealing							
Whole House Ventilation		Operable Windows	Mechanical Ventilation				Meets Oregon Code Section 303.1 mechanical ventilation provisions
Spot Ventilation		See code section 303.3	ENERGY STAR qualified or 2 sone or less bath fans				Applies only to bathing and spa areas.
Envelope Tightness		no requirement	7.0 ACH @ 50 Pa				Blower Door Testing to be performed by a certified ENERGY STAR Verifier.
Heating & Cooling Equipment							
Gas Furnace or Gas Heat Source		Option 1: 90 AFUE or 78 AFUE	90 AFUE				
Heat Pump		Option 1: 8.5 HSPF or 7.7 HSPF					Heat Pumps must be installed according to ENERGY STAR Homes Specifications for sizing, controls, airflow, and refrigerant charge. Must pass approved heat pump commissioning method and be performed by a certified contractor.
Air Conditioner		SEER 13	SEER 13				
Combustion Applicance Zone (CAZ)		no requirement	CAZ Pressure Test Required				Whenever a non-sealed combustion appliance used for primary space or water heating is present within a building, a CAZ pressure test is required.
Water Heating							
Natural Gas	< 60 gal	0.55 EF	0.62 EF	On Demand Water Heater EF 0.82	0.62 EF	0.62 EF	Commercial Water Heater Requirements
	> 60 gal	0.55 EF	0.62 EF		0.62 EF	0.62 EF	Real Capacity (Gallons) 70-74 75-79 80-84 85-89 90-94 95-99 100+
Electric	< 70 gal	0.87 EF					Max Standby Loss (btu/hr) 900 930 950 980 1000 1030 1050
	> 70 gal	0.87 EF					
Appliances & Lighting							
Dishwasher		no requirement	ENERGY STAR Qualified				
Lighting		50%	75%				Of permanent fixtures shall be fitted with either ENERGY STAR bulbs or ENERGY STAR fixtures

Portland Energy Efficient Home Pilot (PEEHP)

Builder Option Decision Matrix

Builder: _____ **Contact:** _____ **Contact Number:** _____

Home Address: _____

Builder Signature:		**Date:**	

Measure		Code Requirements	ENERGY STAR Requirements				
			Envelope Upgrade	On Demand Tankless Water Heater	Wall Upgrade	Ducts & HVAC Equipment Inside	Comments for Meeting ENERGY STAR Requirements
Insulation							
Ceiling	Flat	R-38	R-49	R-38	R-49	R-38	Requires Insulation Inspection
	Rafter Vault	R-30	R-30				Requires Insulation Inspection
	Scissor Truss	R-38	R-38				Requires Insulation Inspection
Wall		R-21	R-21		R-21 + R-3 Sheathing	R-21	Requires Intermediate Framing Techniques and Insulation Inspection
Below-Grade Wall		R-19	R-19				Requires Insulation Inspection
Floors Over Unconditiooned Space		R-30	R-38	R-30			Insulation in floor joist cavity. Perimeter insulation not allowed
Slab Floor	Unheated	R-15 Perimeter	R-10 Full Slab	R-15 Perimeter	R-10 Full Slab or R-15 Perimeter with R-21 Wall + R-5 Sheathing	R-15 Perimeter	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge. Perimeter insulation shall be installed for a distance of 2 Feet vertical, horizontal or combined distance. In areas east of the Cascade mountains, 4 feet is recommended.
	Heated		R-15 Full Slab	R-10 Full Slab	R-10 Full Slab	R-10 Full Slab	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge.
Doors & Windows							
Glazing	Glazing Area	no limit	21 % Heated Floor Area	Glazing Area: _____			
	Windows	U-0.35	U-0.32 Max	U-0.35 Max	U-0.32 Max	U-0.35 Max	Combined window and skylight area. Up to 1% of heated floor area is exempt.
	Skylights/Solar Tubes	see code	code compliant skylights, max area limited to 5% heated floor space				see code to determine rating requirements.
Doors		R-5	R-5				
Ducts							

Insulation		R-8	R-8			exempt	
Sealing		Option 2: Mastic or inside envelope OR no requirement	Mastic Paste			Ducts & HVAC equip located in conditioned space. Mastic paste required.	Tape not allowed.
Max Leakage		Option 2: <0.06 CFM/ft2 or 75 CFM Total @ 50 Pa OR no requirement	<0.06 CFM/ft2 or 75 CFM Total @50 Pa			No duct testing required.	All forced air heating and cooling system ducts shall be installed according to Northwest ENERGY STAR Homes Specifications for sizing and leakage. Performance testing is required by a certified contractor.
Return Air Provisions		(industry standards)	Rooms with 2 or more supplies require dedicated return air path, rooms with single supplies may have door undercuts of at least 1" as a minimum.				Dedicated air return path options include transfer grills, jump-over ducts, or fully-ducted return for rooms with multiple supply ducts.
Ventilation & Air Sealing							
Whole House Ventilation		Operable Windows	Mechanical Ventilation				Meets Oregon Code Section 303.1 mechanical ventilation provisions
Spot Ventilation		See code section 303.3	ENERGY STAR qualified or 2 sone or less bath fans				Applies only to bathing and spa areas.
Envelope Tightness		no requirement	7.0 ACH @ 50 Pa				Blower Door Testing to be performed by a certified ENERGY STAR Verifier.
Heating & Cooling Equipment							
Gas Furnace or Gas Heat Source		Option 1: 90 AFUE or 78 AFUE	90 AFUE				
Heat Pump		Option 1: 8.5 HSPF or 7.7 HSPF	8.5 HSPF / SEER 13				Heat Pumps must be installed according to ENERGY STAR Homes Specifications for sizing, controls, airflow, and refrigerant charge. Must pass approved heat pump commissioning method and be performed by a certified contractor.
Air Conditioner		SEER 13	SEER 13				
Combustion Applicance Zone (CAZ)		no requirement	CAZ Pressure Test Required				Whenever a non-sealed combustion appliance used for primary space or water heating is present within a building, a CAZ pressure test is required.
Water Heating							
Natural Gas	< 60 gal	0.55 EF	0.62 EF	On Demand Water Heater EF 0.82	0.62 EF	0.62 EF	Commercial Water Heater Requirements
	> 60 gal	0.55 EF	0.62 EF		0.62 EF	0.62 EF	Real Capacity (Gallons) 70-74 75-79 80-84 85-89 90-94 95-99 100+
Electric	< 70 gal	0.87 EF	0.93 EF	NA	0.93 EF	0.93 EF	Max Standby Loss (btu/hr) 900 930 950 980 1000 1030 1050
	> 70 gal	0.87 EF	0.93 EF	NA	0.93 EF	0.93 EF	
Appliances & Lighting							
Dishwasher		no requirement	ENERGY STAR Qualified				
Lighting		50%	75%				Of permanent fixtures shall be fitted with either ENERGY STAR bulbs or ENERGY STAR fixtures

Portland Energy Efficient Home Pilot (PEEHP)

Builder Option Decision Matrix

Builder: _____ **Contact:** _____ **Contact Number:** _____

Home Address: _____

Builder Signature:		**Date:**	

Directions:

Builders path determined by following prescriptive path and pre-verified with energy modeling. Selections to be either circled or written in.

Measure		Code Requirements	Oregon High Performance Home Requirements	Comments for Meeting HPH Requirements
Insulation				
Ceiling	Flat	R-38	**U ≤ 0.030 Example: R-49 R- _____**	Requires Insulation Inspection
	Rafter Vault	R-30	**U ≤ 0.030 Example: R-49 R- _____**	Requires Insulation Inspection
	Scissor Truss	R-38	**U ≤ 0.030 Example: R-49 R- _____**	Requires Insulation Inspection
Wall		R-21	**U ≤ 0.050 Example: R 21 w/ Intermediate framing + R-3 Continuous Foam**	Requires Intermediate Framing Techniques and Insulation Inspection
Below-Grade Wall		R-19	**U ≤ 0.60 Example: R-21 R- _____**	Requires Insulation Inspection
Floors Over Unconditiooned Space		R-30	**U ≤ 0.025 Example: R-38, 16" o.c. Over crawl R- _____**	Insulation in floor joist cavity. Perimeter insulation not allowed
Slab Floor	**Unheated**	R-15 Perimeter	**R-15 Perimeter**	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge. Perimeter insulation shall be installed for a distance of 2 Feet vertical, horizontal or combined distance. In areas east of the Cascade mountains, 4 feet is recommended.
	Heated		**R-15 Perimeter + R-10 Foam Board Under Slab**	Applies to all concrete slab floors on or below grade. R-5 thermal break at slab edge.
Doors & Windows				
Glazing	**Glazing Area**	no limit	**16 % Heated Floor Area Glazing Area: _____**	
	Windows	U-0.35	**U-0.32 or less weighted average**	Combined window and skylight area. Up to 1% of heated floor area is exempt.
	Skylights/Solar Tubes	see code	**code compliant skylights, max area limited to 5% heated floor space**	see code to determine rating requirements.

Doors		R-5	**R-5**	
Ducts				
Insulation		R-8	**R-8**	
Sealing		Option 2: Mastic or inside envelope OR no requirement	**Ducts & HVAC equip located in conditioned space. Mastic paste required.**	Tape not allowed.
Max Leakage		Option 2: <0.06 CFM/ft2 or 75 CFM Total @ 50 Pa OR no requirement	**<0.06 CFM/ft2 or 75 CFM Total @50 Pa**	All forced air heating and cooling system ducts shall be installed according to Northwest ENERGY STAR Homes Specifications for sizing and leakage. Performance testing is required by a certified contractor.
Return Air Provisions		(industry standards)	**Rooms with 2 or more supplies require dedicated return air path, rooms with single supplies may have door undercuts of at least 1" as a minimum.**	Dedicated air return path options include transfer grills, jump-over ducts, or fully-ducted return for rooms with multiple supply ducts.
Ventilation & Air Sealing				
Whole House Ventilation		Operable Windows	**Mechanical Ventilation, except ERV/HRV is required if selected as additional measure**	Meets Oregon Code Section 303.1 mechanical ventilation provisions
Spot Ventilation		See code section 303.3	**ENERGY STAR qualified**	Applies only to bathing and spa areas.
Envelope Tightness		no requirement	**5.0 ACH @ 50 Pa**	Blower Door Testing to be performed by a certified ENERGY STAR Verifier.
Heating & Cooling Equipment				
Gas Furnace or Gas Heat Source		Option 1: 90 AFUE or 78 AFUE	**92 AFUE with 2 stage burner**	
Heat Pump (electric heat source)		Option 1: 8.5 HSPF or 7.7 HSPF	**≥ 8.5 HSPF / SEER 14 - Air Source COP** **≥ 3.0 - Ground Source**	Heat Pumps must be installed according to ENERGY STAR Homes Specifications for sizing, controls, airflow, and refrigerant charge. Must pass approved heat pump commissioning method and be performed by a certified contractor.
Air Conditioner		SEER 13	**SEER 14**	
Combustion Applicance Zone (CAZ)		no requirement	**CAZ Pressure Test Required**	Whenever a non-sealed combustion appliance used for primary space or water heating is present within a building, a CAZ pressure test is required.
Water Heating				
Natural Gas	< 60 gal	0.55 EF	**0.62 EF**	Commercial Water Heater Requirements
	> 60 gal	0.55 EF	**0.62 EF**	Real Capacity (Gallons) 70-74 75-79 80-84 85-89 90-94 95-99 100+
Electric	< 70 gal	0.87 EF	**0.93 EF**	Max Standby Loss (btu/hr) 900 930 950 980 1000 1030 1050
	> 70 gal	0.87 EF	**0.93 EF**	
Appliances & Lighting				
Dishwasher		no requirement	**ENERGY STAR Qualified**	
Lighting		50%	**75%**	Of permanent fixtures shall be fitted with either ENERGY STAR bulbs or ENERGY STAR fixtures