

SmartRegs Prescriptive Pathway Checklist

Need 100 Total Points + Mandatory Water Conservation Measures

This form is to be used by City of Boulder Class G licensed inspectors.

Instructions:

1. Circle the applicable point selection in each category
2. Fill in the Base and Final Points in each category
3. Total the points in the table below
4. Provide a Class G inspector license number and signature
5. Submit the form with the preceding SmartRegs Energy Efficiency Application pages

Unit Address and Number: _____

Enter total points in the space below

Total Base Points	
Total Final Points	
Total Water Conservation Points	

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Class G inspector - PRINT NAME

License #

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Class G Inspector Signature

Mandatory Water Conservation

Must earn two points regardless of whether Performance or Prescriptive SmartRegs Pathway is chosen. Points earned in this category do not count towards Prescriptive 100 point requirement.

Water Conservation Measure	Points
Low flow showerhead*	1
Low flow lavatory faucets*	1
Self-closing faucet valves**	1
High-efficiency or dual-flush toilet*	2
ENERGY STAR washing machine	2
ENERGY STAR dishwasher	2

*Points awarded based on average of all fixtures in unit

**Points awarded if all faucets are equipped with self-closing valves.

Please refer to the SmartRegs Guidebook for further clarification.

WALLS

Base: _____ Final: _____

R-VALUE	25%	50%	75%	100%
No Insulation	0	0	0	0
≥R-3 Continuous	3	6	9	12
R-5 Continuous	4	8	12	15
R-13	5	10	15	20
Uninsulated Basement Wall	5	10	15	20
≥R-19	5	11	16	21
Insulated Basement Wall	6	13	19	26
Shared Wall	6	13	19	26

WINDOWS/FENESTRATION

Base: _____ Final: _____

U-FACTOR	25%	50%	75%	100%
Single Metal (1.2 U-Factor)	0	0	0	0
Single Non-Metal* (.95 U-Factor)	0	1	1	2
Double Metal (.80 U-Factor)	1	2	3	4
Double Non-Metal* (.55 U-Factor)	2	3	5	6
0.35 U-Factor*	3	7	10	13
0.30 U-Factor	3	7	10	14
≤0.25 U-Factor	4	7	11	14

INFILTRATION

Base: _____ Final: _____

ACH _n	POINTS
≤1.20 ACH _n	2
0.75 ACH _n	4
0.50 ACH _n	6
≤0.35 ACH _n (ventilate per ASHRAE 62.2)	7

TEST STATS:

ACH _n : _____	Volume: _____
CFM50: _____	n-Factor: _____

CEILINGS

Base: _____ Final: _____

R-VALUE	25%	50%	75%	100%
No Insulation	0	0	0	0
R-19	6	12	18	24
R-30	6	13	19	26
≥R-38	7	13	20	26
Shared Ceilings	7	14	20	27

FLOORS / FOUNDATIONS

Base: _____ Final: _____

SLAB ON GRADE				
TYPE	25%	50%	75%	100%
Slab Edge: R-0	2	3	5	6
Slab Edge: ≥R-5	2	4	5	7
Slab Edge: ≥R-10	2	4	6	8
Slab Edge: ≥R-10 AND Under Slab: ≥R-10	3	6	8	11

BELOW GRADE SLAB (Basement Slab)

Basement Slab	2	4	6	8
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FOUNDATION WALLS (Crawlspace)

R-0	0	0	0	0
R-2	2	3	5	6
R-11	2	4	6	8
≥R-19	2	5	7	9

FRAMED FLOORS

(Only Available if No Ducts or HVAC Equipment are Located in Unconditioned Space Below Floor)

Framed Floor: R-0	0	0	0	0
Framed Floor: R-13	3	5	8	11
Framed Floor: R-25	3	6	9	12
Framed Floor: ≥R-38	4	7	11	14
Shared Floor	4	8	11	15

DUCT LEAKAGE

Base: _____ Final: _____

CFM per 100 SF	POINTS
80 cfm @ 25 Pa	0
60 cfm @ 25 Pa	4
40 cfm @ 25 Pa	9
20 cfm @ 25 Pa	14
≤10 cfm @ 25 Pa	17
No Ducts	17

DISTRIBUTION SYSTEM

Base: _____ Final: _____

LOCATION / INSULATION	25%	50%	75%	100%
Uninsulated Pipes/Ducts (In Unconditioned Space)	0	0	0	0
Pipes/Ducts Insulated (R-4) (In Unconditioned Space)	1	3	4	6
Pipes / Ducts Within Conditioned Space	2	3	5	7

*Historically designated properties and properties older than 50 years with wooden window frames that rehabilitate and install storm panels will receive credit at the 0.35 U-Value level.

Total this page: _____

HEATING Base: _____ Final: _____

SPECIFICATION	POINTS
Electric, Oil, or ASHP	0
Gas 65% AFUE	0
Gas 80% AFUE	13
Gas 90% AFUE	17
Gas 96% AFUE	19
GSHP (COP 3.3)	29
GSHP (COP 4.1)	38
GSHP (COP 4.8)	43

COOLING Base: _____ Final: _____

SPECIFICATION	POINTS
10 SEER or worse	0
13 SEER	4
15 SEER	6
Direct Evaporative Cooler	6
No Cooling	6
17 SEER	7
19 SEER	8
Indirect Evaporative Cooler	8
GSHP (\geq EER 13.6)	4

LIGHTING Base: _____ Final: _____

HIGH- EFFICACY LIGHTING (solar tubes/light tunnels counted as light fixtures)	POINTS
0%	0
25%	2
50%	4
75%	6
100%	7

HOT WATER Base: _____ Final: _____

SPECIFICATION	POINTS
Electric, Oil or Heat Pump	0
Gas 0.56 EF	0
Gas 0.60 EF	1
Gas 0.64 EF	2
Gas \geq 0.82 EF	6
Gas Boiler Side Arm (65% AFUE Boiler)	0
Gas Boiler Side Arm (80% AFUE Boiler)	3
Gas Boiler Side Arm (95% AFUE Boiler)	5

WHOLE HOUSE FANS Base: _____ Final: _____

SPECIFICATION	POINTS
Whole House Fan	2

REFRIGERATION Base: _____ Final: _____

SPECIFICATION	POINTS
750 kWh/year	0
650 kWh/year	2
450 kWh/year	3
\leq 350 kWh/year	4

SOLAR THERMAL Base: _____ Final: _____

SPECIFICATION	POINTS
Points per 20 sq ft of collector surface area	8

PHOTOVOLTAICS* Base: _____ Final: _____

ARRAY RATED OUTPUT	POINTS
Points per kW**	44

OCCUPANT Base: _____ Final: _____

MEASURE	POINTS
Sub-Metering: Real Time Energy Monitoring Device	1
Programmable Thermostat	1
Provide Operation / Training Manual	1
Tenant Attends Energy Conservation Class	1

OTHER Base: _____ Final: _____

MEASURE	POINTS
Heat Pump Desuperheater	1
Electronically Commutated Motor ("ECM")	3
Passive Solar Design	Discretionary – approved by City of Boulder
Innovative Practice	Discretionary – approved by City of Boulder
Technically Impractical: Carbon Offsets	Must be Approved by City of Boulder (8 points per metric ton of CO2 offset)

*Qualifying installations include power purchase agreements, solar leases, or verified subscription in Community Solar Garden.
 **Units must earn 70 prescriptive pathway points in other categories to be eligible to earn PV points.

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