

**SmartRegs Prescriptive Pathway**

Need 100 Total Points + Mandatory Water Conservation Measures

**WALLS**

Base: \_\_\_\_\_ Final: \_\_\_\_\_

R-VALUE	25%	50%	75%	100%
No Insulation	0	0	0	0
R-3 Continuous (must be at least R-3)	3	6	9	12
R-5 Continuous	4	8	12	15
R-13 or Uninsulated Basement Wall	5	10	15	20
R-19 or Better	5	11	16	21
Shared Wall or Insulated Basement Wall	6	13	19	26

**WINDOWS/FENESTRATION**

Base: \_\_\_\_\_ Final: \_\_\_\_\_

TYPE	25%	50%	75%	100%
Single Metal (1.2 U-Value)	0	0	0	0
Single Non-Metal <sup>1</sup> (.95 U-Value)	0	1	1	2
Double Metal (.8 U-Value)	1	2	3	4
Double Non-Metal <sup>1</sup> (.55 U-Value)	2	3	5	6
0.35 U-Value <sup>1</sup>	3	7	10	13
0.30 U-Value	3	7	10	14
0.25 U-Value or Better	4	7	11	14

<sup>1</sup> \*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.

**ATTIC**

Base: \_\_\_\_\_ Final: \_\_\_\_\_

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

**INFILTRATION**

Base: \_\_\_\_\_ Final: \_\_\_\_\_

nACH	POINTS
1.20 nACH or Less	2
0.75 nACH	4
0.50 nACH	6
0.35 nACH or Less (ventilate per ASHRAE 62.2)	7

**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 or Better	2	4	6	8
Slab Edge R-10 plus Under Slab R-10 or Better	3	6	8	11

**BELOW GRADE SLAB (Basement Slab)**

Basement Slab	2	4	6	8
---------------	---	---	---	---

**FOUNDATION WALLS (Crawlspace)**

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

**FLOOR**

(Only Available if No Ducts or HVAC Equipment are Located in Uninsulated Crawlspace Below Floor)

Floor Over Crawl: R-0	0	0	0	0
Floor Over Crawl: R-13	3	5	8	11
Floor Over Crawl: R-25	3	6	9	12
Floor Over Crawl: R-38 or Better	4	7	11	14
Shared Floor	4	8	11	15

**SLAB / FOUNDATION**

Base: \_\_\_\_\_ Final: \_\_\_\_\_

**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 or Less or no ducts (radiant)	17

**DUCTS / RADIANT**

Base: \_\_\_\_\_ Final: \_\_\_\_\_

LOCATION / INSULATION	25%	50%	75%	100%
Uninsulated Ducts (In Unconditioned Space)	0	0	0	0
Ducts Insulated to at Least R-4 (In Unconditioned Space)	1	3	4	6
Radiant Heat or Ducts Entirely Within Conditioned Space	2	3	5	7

**HEATING** Base: \_\_\_\_\_ Final: \_\_\_\_\_

SPECIFICATION	POINTS
Electric, Oil, or ASHP	0
Gas 65 AFUE or worse	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 / Evaporative Cooler / no A/C	6
17 SEER	7
19 SEER / Indirect Evaporative Cooler	8
GSHP (> EER 13.5)	4

**FANS** Base: \_\_\_\_\_ Final: \_\_\_\_\_

SPECIFICATION	POINTS
Whole House Fan (In Addition to Cooling Points)	2

**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 56 EF	0
Gas 60 EF	1
Gas 64 EF	2
Gas Tankless 82 EF or Better	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

**REFRIGERATION** Base: \_\_\_\_\_ Final: \_\_\_\_\_

SPECIFICATION	POINTS
750 kWh	0
650 kWh	2
450 kWh	3
350 kWh or Better	4

**SOLAR THERMAL** Base: \_\_\_\_\_ Final: \_\_\_\_\_

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

**PV** (includes power purchase agreements and solar leases) or verified subscription in a Community Solar Garden<sup>2</sup> Base: \_\_\_\_\_ Final: \_\_\_\_\_

kW	POINTS
Points per kW	44

<sup>2</sup>Must earn 70 prescriptive pathway points in other categories to be eligible to earn PV points

**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
Electrically Commutated Motor ("ECM")	3
Passive Solar Design	Discretionary – approved by City of Boulder
Innovative Practice	Discretionary – approved by City of Boulder
Technically Impractical Exception	Carbon Offsets valued at 8 points per ton

## Mandatory Water Conservation

Must Earn Two Points Regardless of Whether Performance or Prescriptive SmartRegs Pathway is Chosen

Water Conservation Measure <sup>3</sup>	Points per Fixture
Low flow showerhead <sup>5</sup>	1
Low flow lavatory faucets <sup>4</sup>	1
Self-closing faucet valves	1
High-efficiency or dual-flush toilet <sup>6</sup>	2
ENERGY STAR washing machine	2
ENERGY STAR dishwasher	2

<sup>3</sup> Points earned in this category do not count towards prescriptive 100 point requirement

<sup>4</sup> The average flow rate for all bathroom faucets must be less than or equal to 1.5 gallons per minute (gpm).

<sup>5</sup> The average flow rate for all shower heads must be less than or equal to 2.0 gpm.

<sup>6</sup> The average flow rate for all toilets, including dual-flush toilets, must be less than or equal to 1.28 gpf (gallons per flush). A common dual-flush toilet has a 1.6 gpf and a 0.8 gpf. This makes an average of 1.2, which would qualify.