

Measure Name	Measure Value	% Energy Savings	% GHG Savings	% Peak Savings	npv_total_per_m_sq	bc_step_code_tedi_kwh_per_m_sq	Envelope (\$/m2)	Heating & Cooling (\$/m2)	Lighting (\$/m2)	SHW (\$/m2)	Ventilation & Ductwork (\$/m2)	Total (\$/m2)
electrical_loads_scale	0.5	10.70	-3.10	13.70	901.59	22.07	0.00	3.90	0.00	0.00	8.50	12.30
shw_scale	0.25	8.20	19.60	1.50	954.15	18.64	0.00	0.00	0.00	1.40	0.00	1.40
lights_scale	0.50	7.60	-1.80	11.20	920.16	20.73	0.00	3.90	0.00	0.00	4.50	8.40
shw_scale	0.5	5.40	12.90	0.90	956.56	18.49	0.00	0.00	0.00	1.40	0.00	1.40
fixed_wind_solar_trans	0.3	5.10	-3.70	13.60	907.29	20.96	-4.20	7.00	0.00	0.00	26.40	29.20
fixed_wind_solar_trans	0.2	4.90	-7.40	19.50	883.34	22.75	-1.90	8.30	0.00	0.00	42.50	48.90
daylighting_type	add_daylighting_controls	4.30	0.50	8.00	948.68	18.87	0.00	0.00	-7.30	0.00	4.00	-3.30
fixed_wind_solar_trans	0.4	4.00	-1.50	8.80	928.27	19.69	-2.20	4.50	0.00	0.00	13.40	15.60
infiltration_scale	0.5	3.90	10.00	0.40	958.02	13.73	0.00	1.90	0.00	0.00	0.10	2.00
mv_type	add_mv	3.20	2.10	-9.90	957.16	17.77	0.00	0.00	0.00	0.00	-5.10	-5.10
shw_scale	0.75	2.30	5.40	0.50	959.18	18.33	0.00	0.00	0.00	1.40	0.00	1.40
fixed_wind_solar_trans	0.5	2.20	-0.40	4.40	939.43	18.82	-2.20	4.50	0.00	0.00	11.00	13.30
chiller_type	VSD	2.00	0.80	9.30	975.33	18.17	0.00	-19.70	0.00	0.00	0.00	-19.70
fixed_window_cond	1.6	1.90	5.30	-0.20	991.31	15.82	-29.00	0.40	0.00	0.00	-0.60	-29.20
boiler_eff	Viessmann Vitocrossal 300 CT3-17 96.2% Efficient Condensing Gas Boiler	1.00	2.60	0.00	961.81	18.17	0.00	0.00	0.00	0.00	0.00	0.00
ext_roof_cond	0.183	0.80	2.00	0.10	967.79	17.28	-6.20	0.10	0.00	0.00	0.40	-5.80
ext_wall_cond	0.21	0.50	1.40	0.10	965.55	17.57	-3.80	0.10	0.00	0.00	0.30	-3.40
ext_roof_cond	0.121	0.50	1.20	0.20	970.31	17.66	-9.30	0.10	0.00	0.00	0.90	-8.40
ext_roof_cond	0.138	0.30	0.60	0.10	964.86	17.91	-3.40	0.00	0.00	0.00	0.80	-2.60
dcv_type	CO2_based_DCV	0.30	0.20	1.10	965.54	18.13	0.00	0.00	0.00	0.00	-4.00	-4.00
shw_eff	Natural Gas Power Vent with Electric Ignition	0.30	0.90	0.00	962.30	18.17	0.00	0.00	0.00	0.00	0.00	0.00
ext_roof_cond	0.142	0.20	0.50	0.10	964.14	17.97	-2.60	0.00	0.00	0.00	0.80	-1.80
ext_wall_cond	0.247	0.20	0.40	0.00	963.09	17.99	-0.70	0.00	0.00	0.00	0.00	-0.60
erv_package	Rotary-All	0.10	0.10	1.90	962.03	18.17	0.00	0.00	0.00	0.00	0.00	0.00
erv_package	Rotary-Existing	0.10	0.10	1.90	962.03	18.17	0.00	0.00	0.00	0.00	0.00	0.00
dcv_type	Occupancy_based_DCV	0.10	0.10	0.20	964.63	18.15	0.00	0.00	0.00	0.00	-2.20	-2.20
erv_package	Plate-All	0.10	0.00	0.90	962.31	18.17	0.00	0.00	0.00	0.00	0.00	0.00
erv_package	Plate-Existing	0.10	0.00	0.90	962.31	18.17	0.00	0.00	0.00	0.00	0.00	0.00
ext_roof_cond	0.162	-0.10	-0.20	0.00	958.44	18.26	4.30	0.00	0.00	0.00	0.00	4.20
ext_wall_cond	0.378	-0.10	-0.30	0.00	962.39	18.31	0.40	-0.10	0.00	0.00	0.00	0.30
ground_floor_cond	0.379	-0.40	-0.50	-0.40	974.45	18.33	-9.80	-0.20	0.00	0.00	-0.80	-10.80
ext_roof_cond	0.183	-0.40	-0.90	-0.20	957.47	18.56	5.80	-0.10	0.00	0.00	-0.20	5.60
ext_wall_cond	0.314	-0.50	-1.20	-0.10	959.65	18.69	3.50	-0.20	0.00	0.00	-0.10	3.30
ext_roof_cond	0.193	-0.60	-1.20	-0.30	953.93	18.70	10.20	-0.20	0.00	0.00	-0.70	9.30
airloop_economizer_type	DifferentialDryBulb	-1.10	-0.50	-3.10	966.54	18.17	0.00	0.00	0.00	0.00	0.00	0.00
ext_roof_cond	0.227	-1.10	-2.30	-0.50	952.58	19.17	13.70	-0.20	0.00	0.00	-2.20	11.20
fixed_window_cond	2.2	-1.90	-5.20	0.20	941.74	20.49	21.10	-0.60	0.00	0.00	1.00	21.40
fixed_window_cond	2.4	-4.80	-15.90	0.20	926.73	21.97	31.80	1.10	0.00	0.00	1.10	31.00
ecm_system_name	HS11_ASHP_PTHP	0.00	0.00	0.00	776.20	10.39	0.00	0.00	0.00	0.00	0.00	0.00
ecm_system_name	HS09_CCASHP_Baseboard	0.00	0.00	0.00	976.63	7.26	0.00	0.00	0.00	0.00	0.00	0.00
ecm_system_name	HS14_CGSHP_FanCoils	0.00	0.00	0.00	906.65	8.28	0.00	0.00	0.00	0.00	0.00	0.00
ecm_system_name	HS12_ASHP_Baseboard	0.00	0.00	0.00	995.22	7.28	0.00	0.00	0.00	0.00	0.00	0.00
ecm_system_name	HS13_ASHP_VRF	0.00	0.00	0.00	863.52	10.26	0.00	0.00	0.00	0.00	0.00	0.00
ecm_system_name	HS08_CCASHP_VRF	0.00	0.00	0.00	869.40	10.26	0.00	0.00	0.00	0.00	0.00	0.00







































