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	15.80	15.80	9.80	470.68	9.54	0.00	2.20	0.00	0.00	6.90	9.10
:fixed_wind_solar_trans	0.2	13.80	13.80	3.60	455.31	5.94	-1.20	5.00	0.00	0.00	23.60	27.40
:fixed_wind_solar_trans	0.3	11.40	11.40	12.40	461.29	5.92	-2.70	4.10	0.00	0.00	23.30	24.80
:lights_scale	0.50	11.10	11.10	13.00	480.33	9.04	0.00	2.30	0.00	0.00	3.80	6.10
:shw_scale	0.25	9.00	9.00	11.00	487.81	8.05	0.00	0.00	0.00	1.60	0.00	1.60
:fixed_wind_solar_trans	0.4	6.90	6.90	8.80	476.13	6.35	-1.40	2.40	0.00	0.00	15.20	16.20
:shw_scale	0.5	6.00	6.00	7.30	493.22	7.99	0.00	0.00	0.00	0.40	0.00	0.40
:daylighting_type	add_daylighting_controls	4.00	4.00	6.80	497.43	8.00	0.00	0.00	-4.50	0.00	3.50	-1.00
:nv_type	add_nv	3.30	3.30	-0.20	499.50	7.62	0.00	0.00	0.00	0.00	-2.00	-2.00
:shw_scale	0.75	3.00	3.00	4.00	497.78	7.91	0.00	0.00	0.00	0.10	0.00	0.10
:fixed_wind_solar_trans	0.5	3.00	3.00	4.40	491.63	7.06	-1.40	2.40	0.00	0.00	5.20	6.20
:chiller_type	VSD	1.20	1.20	3.30	502.40	7.85	0.00	-1.90	0.00	0.00	0.00	-1.90
:dcv_type	CO2_based_DCV	0.40	0.40	0.30	503.29	7.49	0.00	0.00	0.00	0.00	-1.80	-1.80
:ground_floor_cond	0.379	0.30	0.30	-0.60	504.30	7.44	-2.40	0.00	0.00	0.00	-0.30	-2.60
:erv_package	Plate-All	0.20	0.20	-1.00	503.93	7.62	0.00	0.00	0.00	0.00	-2.10	-2.10
:erv_package	Rotary-All	0.20	0.20	-1.00	503.92	7.62	0.00	0.00	0.00	0.00	-2.10	-2.10
:erv_package	NECB_Default_All	0.20	0.20	-0.90	503.99	7.66	0.00	0.00	0.00	0.00	-2.10	-2.10
:ext_wall_cond	0.183	0.10	0.10	0.00	506.40	7.54	-4.80	0.10	0.00	0.00	0.30	-4.40
:ext_wall_cond	0.247	0.10	0.10	0.00	503.33	7.72	-1.30	0.00	0.00	0.00	0.00	-1.30
:ext_roof_cond	0.121	0.10	0.10	0.00	504.96	7.73	-3.10	0.00	0.00	0.00	0.00	-3.00
:ext_roof_cond	0.138	0.10	0.10	0.00	503.80	7.78	-1.80	0.00	0.00	0.00	0.00	-1.80
:ext_wall_cond	0.21	0.10	0.10	0.00	504.84	7.62	-3.20	0.10	0.00	0.00	0.30	-2.80
:ext_roof_cond	0.142	0.10	0.10	0.00	503.62	7.79	-1.60	0.00	0.00	0.00	0.00	-1.60
:airloop_economizer_type	DifferentialDryBulb	-0.10	-0.10	-1.60	502.33	7.84	0.00	0.00	0.00	0.00	0.00	0.00
:ext_wall_cond	0.183	-0.10	-0.10	0.00	502.02	7.90	0.30	0.00	0.00	0.00	-0.10	0.20
:ext_roof_cond	0.193	-0.10	-0.10	0.00	501.14	7.92	1.20	0.00	0.00	0.00	-0.10	1.10
:ext_roof_cond	0.227	-0.20	-0.20	-0.10	500.50	8.01	2.10	0.00	0.00	0.00	-0.10	1.90
:fixed_window_cond	2.2	-0.40	-0.40	0.40	489.06	8.67	13.20	-0.20	0.00	0.00	0.70	13.60
:infiltration_scale	0.5	-0.50	-0.50	1.00	500.27	6.76	2.70	0.00	0.00	0.00	-0.10	2.60
:fixed_window_cond	2.4	-0.60	-0.60	0.70	482.69	9.18	19.70	-0.20	0.00	0.00	0.80	20.30
:fixed_window_cond	1.6	-0.70	-0.70	0.60	522.35	7.06	-18.10	2.60	0.00	0.00	-3.70	-19.20
:ecm_system_name	HS11_ASHP_PTHP	0.00	0.00	0.00	436.27	3.45	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS09_CCASHP_Baseboard	0.00	0.00	0.00	536.52	2.21	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS13_ASHP_VRF	0.00	0.00	0.00	480.49	3.46	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS12_ASHP_Baseboard	0.00	0.00	0.00	541.36	2.21	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS08_CCASHP_VRF	0.00	0.00	0.00	482.74	3.46	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS14_CGSHP_FanCoils	0.00	0.00	0.00	492.29	1.43	0.00	0.00	0.00	0.00	0.00	0.00

Sensitivity of :ecm_system_name by EUI

Sensitivity of :ecm_system_name by Costing

Sensitivity of :fixed_window_cond by EUI

Sensitivity of :fixed_window_cond by Costing

Sensitivity of :lights_scale by EUI

Sensitivity of :lights_scale by Costing

Sensitivity of :shw_scale by EUI

Sensitivity of :shw_scale by Costing

Sensitivity of :infiltration_scale by EUI

Sensitivity of :infiltration_scale by Costing

Sensitivity of :erv_package by EUI

Sensitivity of :erv_package by Costing

Sensitivity of :ground_floor_cond by EUI

Sensitivity of :ground_floor_cond by Costing

Sensitivity of :ext_wall_cond by EUI

Sensitivity of :ext_wall_cond by Costing

Sensitivity of :adv_dx_units by EUI

Sensitivity of :adv_dx_units by Costing

:boiler_eff

Sensitivity of :boiler_eff by EUI

Sensitivity of :boiler_eff by Costing

$/M2

cost_equipment_heating_and_cooling_total_cost_per_m_sq
cost_equipment_lighting_total_cost_per_m_sq
cost_equipment_shw_total_cost_per_m_sq
cost_equipment_ventilation_total_cost_per_m_sq
cost_equipment_thermal_bridging_total_cost_per_m_sq
cost_equipment_envelope_total_cost_per_m_sq

147,569   147,569

118,745   118,745

3,398   3,398

76,403   76,403

14,743   14,743

NECB_Default   Viessmann Vitocrossal 300 CT3-17 96.2% Efficient Condensing Gas Boiler

:boiler_eff

:ext_roof_cond
- 0.142
- NECB_Default
- 0.227
- 0.138
- 0.121
- 0.162
- 0.183
- 0.193

cost_equipment_total_cost_per_m_sq

baseline_energy_percent_better

Sensitivity of :ext_roof_cond by EUI

GJ/M2

energy_eui_cooling_gj_per_m_sq
energy_eui_heating_gj_per_m_sq
energy_eui_fans_gj_per_m_sq
energy_eui_heat_recovery_gj_per_m_sq
energy_eui_interior_lighting_gj_per_m_sq
energy_eui_interior_equipment_gj_per_m_sq
energy_eui_water_systems_gj_per_m_sq
energy_eui_pumps_gj_per_m_sq

	0.121	0.138	0.142	0.162	0.183	0.193	0.227	NECB_Default
	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.095
	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
	0.065	0.065	0.065	0.065	0.065	0.065	0.065	0.065
	0.028	0.028	0.028	0.028	0.028	0.029	0.029	0.028
	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017

:ext_roof_cond

Sensitivity of :ext_roof_cond by Costing

Sensitivity of :fixed_wind_solar_trans by EUI

Sensitivity of :fixed_wind_solar_trans by Costing

Sensitivity of :chiller_type by EUI

Sensitivity of :chiller_type by Costing

Sensitivity of :electrical_loads_scale by EUI

Sensitivity of :electrical_loads_scale by Costing

Sensitivity of :airloop_economizer_type by EUI

Sensitivity of :airloop_economizer_type by Costing

Sensitivity of :daylighting_type by EUI

Sensitivity of :daylighting_type by Costing

Sensitivity of :shw_eff by EUI

Sensitivity of :shw_eff by Costing

Sensitivity of :dcv_type by EUI

Sensitivity of :dcv_type by Costing

Sensitivity of :nv_type by EUI

Sensitivity of :nv_type by Costing