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)
:shw_scale	0.25	25.40	41.10	4.00	708.00	38.35	0.00	0.00	0.00	4.70	0.00	4.70
:shw_scale	0.5	16.30	26.40	1.70	723.21	37.76	0.00	0.00	0.00	4.70	0.00	4.70
:dcv_type	CO2_based_DCV	11.10	18.90	4.80	750.53	19.10	0.00	0.00	0.00	0.00	-13.30	-13.30
:erv_package	Plate-All	8.80	14.30	0.90	740.50	23.34	0.00	0.00	0.00	0.00	0.00	0.00
:erv_package	Plate-Existing	8.80	14.30	0.90	740.50	23.34	0.00	0.00	0.00	0.00	0.00	0.00
:shw_scale	0.75	8.80	14.40	0.90	740.29	37.18	0.00	0.00	0.00	0.20	0.00	0.20
:erv_package	Rotary-All	8.60	14.10	1.50	740.91	23.57	0.00	0.00	0.00	0.00	0.00	0.00
:erv_package	Rotary-Existing	8.60	14.10	1.50	740.91	23.57	0.00	0.00	0.00	0.00	0.00	0.00
:infiltration_scale	0.5	4.10	6.70	1.50	746.85	30.43	0.00	1.20	0.00	0.00	0.20	1.30
:electrical_loads_scale	0.5	4.10	-2.90	7.80	742.11	39.38	0.00	0.90	0.00	0.00	0.00	0.90
:nv_type	add_nv	2.10	0.10	2.00	773.61	36.68	0.00	0.00	0.00	0.00	-23.80	-23.80
:lights_scale	0.50	2.10	-1.90	2.30	748.78	38.36	0.00	-0.10	0.00	0.00	0.00	-0.20
:fixed_wind_solar_trans	0.3	1.90	-8.50	14.00	743.66	44.34	-5.50	7.90	0.00	0.00	-0.70	1.70
:fixed_wind_solar_trans	0.4	1.80	-5.20	9.20	745.42	41.37	-2.90	6.00	0.00	0.00	-0.90	2.20
:boiler_eff	Viessmann Vitocrossal 300 CT3-17 96.2% Efficient Condensing Gas Boiler	1.60	2.70	0.00	752.55	36.62	0.00	0.00	0.00	0.00	0.00	0.00
:fixed_wind_solar_trans	0.2	1.30	-12.50	18.20	738.94	47.89	-2.50	9.20	0.00	0.00	-0.70	5.90
:dcv_type	Occupancy_based_DCV	1.20	2.00	0.10	759.61	34.72	0.00	0.00	0.00	0.00	-6.50	-6.50
:shw_eff	Natural Gas Power Vent with Electric Ignition	1.10	1.90	0.00	753.32	36.62	0.00	0.00	0.00	0.00	0.00	0.00
:fixed_wind_solar_trans	0.5	1.00	-2.40	4.90	752.53	38.77	-2.90	3.10	0.00	0.00	-1.60	-1.40
:fixed_window_cond	1.6	0.80	1.40	0.10	770.85	35.30	-17.50	0.50	0.00	0.00	0.00	-17.10
:daylighting_type	add_daylighting_controls	0.80	-0.40	2.30	761.34	36.98	0.00	0.10	-8.90	0.00	0.00	-8.50
:ext_wall_cond	0.183	0.60	1.00	0.30	761.29	35.72	-7.70	0.50	0.00	0.00	0.00	-7.20
:ground_floor_cond	0.379	0.40	1.40	-0.80	764.40	35.40	-9.10	-0.50	0.00	0.00	0.00	-9.60
:ext_roof_cond	0.121	0.30	0.40	0.10	759.77	36.23	-5.30	0.00	0.00	0.00	0.00	-5.20
:ext_wall_cond	0.21	0.30	0.50	0.10	758.97	36.14	-4.50	0.10	0.00	0.00	0.00	-4.40
:adv_dx_units	Lennox Model L Ultra High Efficiency	0.10	0.00	0.80	758.36	36.62	0.00	0.00	0.00	0.00	-3.60	-3.60
:ext_wall_cond	0.247	-0.10	-0.10	0.00	754.39	36.73	0.90	0.00	0.00	0.00	0.00	0.90
:ext_roof_cond	0.142	-0.10	-0.10	0.00	754.51	36.71	0.80	0.00	0.00	0.00	0.00	0.80
:ext_roof_cond	0.162	-0.40	-0.60	-0.10	748.96	37.15	7.00	0.00	0.00	0.00	0.00	7.00
:ext_wall_cond	0.278	-0.40	-0.60	-0.20	751.51	37.21	4.90	-0.50	0.00	0.00	0.00	4.30
:ext_roof_cond	0.183	-0.80	-1.10	-0.10	749.25	37.63	8.30	-0.90	0.00	0.00	-0.10	7.40
:ext_wall_cond	0.314	-0.80	-1.30	-0.40	751.84	37.77	5.40	-0.70	0.00	0.00	0.00	4.60
:ext_roof_cond	0.193	-1.00	-1.30	-0.20	745.73	37.86	12.30	-1.00	0.00	0.00	-0.10	11.30
:ext_roof_cond	0.227	-1.60	-2.20	-0.20	743.80	38.62	15.50	-1.00	0.00	0.00	-0.10	14.30
:fixed_window_cond	2.2	-3.10	-5.30	-0.40	714.82	41.49	46.10	-0.70	0.00	0.00	-0.10	45.40
:fixed_window_cond	2.4	-4.50	-7.60	-0.60	703.83	43.61	59.40	-0.70	0.00	0.00	-0.10	58.60
:airloop_economizer_type	DifferentialDryBulb	-16.00	-29.90	0.00	779.57	64.03	0.00	0.00	0.00	0.00	0.00	0.00
:airloop_economizer_type	DifferentialEnthalpy	-16.10	-29.90	0.00	779.88	64.03	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS09_CCASHP_Baseboard	0.00	0.00	0.00	756.65	36.59	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS12_ASHP_Baseboard	0.00	0.00	0.00	743.83	36.58	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS11_ASHP_PTHP	0.00	0.00	0.00	729.81	43.57	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS14_CGSHP_FanCoils	0.00	0.00	0.00	947.77	42.24	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS13_ASHP_VRF	0.00	0.00	0.00	846.83	42.40	0.00	0.00	0.00	0.00	0.00	0.00
:ecm_system_name	HS08_CCASHP_VRF	0.00	0.00	0.00	863.15	42.40	0.00	0.00	0.00	0.00	0.00	0.00

Sensitivity of :airloop_economizer_type by EUI

Sensitivity of :airloop_economizer_type by Costing

Sensitivity of :fixed_window_cond by EUI

Sensitivity of :fixed_window_cond by Costing

:boiler_eff

Sensitivity of :boiler_eff by EUI

Sensitivity of :boiler_eff by Costing

Sensitivity of :ext_wall_cond by EUI

$/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

:ext_wall_cond	0.183	0.21	0.247	0.278	0.314	NECB_Default
envelope	362.851	359.82	354.253	350.267	349.793	355.144
ventilation	58.385	58.394	58.407	58.417	58.429	58.405
shw	9.769	9.769	9.769	9.769	9.769	9.769
lighting	41.855	41.855	41.855	41.855	41.855	41.855
heating_and_cooling	87.615	88.013			88.753	88.073

:ext_wall_cond

cost_equipment_total_cost_per_m_sq

baseline_energy_percent_better

:fixed_wind_solar_trans
- NECB_Default
- 0.6
- 0.3
- 0.5
- 0.4
- 0.2

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

:fixed_wind_solar_trans	0.2	0.3	0.4	0.5	0.6	NECB_Default
pumps	0.008	0.007	0.007	0.007		
water systems	0.218	0.218	0.218	0.218	0.218	0.218
interior equipment	0.063	0.063	0.063	0.063	0.063	0.063
interior lighting	0.036	0.036	0.036	0.036	0.036	0.036
heat recovery	0.011	0.011	0.011	0.011	0.011	0.011
fans	0.051	0.053	0.057	0.061	0.065	0.065
heating	0.186	0.172	0.16	0.149	0.141	0.141
cooling	0.031	0.039	0.049	0.06	0.071	0.071

:fixed_wind_solar_trans

Sensitivity of :fixed_wind_solar_trans by Costing

Sensitivity of :ext_roof_cond by EUI

Sensitivity of :ext_roof_cond by Costing

Sensitivity of :lights_scale by EUI

Sensitivity of :lights_scale by Costing

Sensitivity of :infiltration_scale by EUI

Sensitivity of :infiltration_scale by Costing

Sensitivity of :shw_scale by EUI

Sensitivity of :shw_scale by Costing

Sensitivity of :ground_floor_cond by EUI

Sensitivity of :ground_floor_cond by Costing

Sensitivity of :ecm_system_name by EUI

Sensitivity of :ecm_system_name by Costing

Sensitivity of :daylighting_type by EUI

Sensitivity of :daylighting_type by Costing

Sensitivity of :erv_package by EUI

Sensitivity of :erv_package by Costing

Sensitivity of :dcv_type by EUI

Sensitivity of :dcv_type by Costing

Sensitivity of :chiller_type by EUI

Sensitivity of :chiller_type by Costing

Sensitivity of :nv_type by EUI

Sensitivity of :nv_type by Costing

Sensitivity of :electrical_loads_scale by EUI

Sensitivity of :electrical_loads_scale by Costing

Sensitivity of :shw_eff by EUI

Sensitivity of :shw_eff by Costing

Sensitivity of :adv_dx_units by EUI

Sensitivity of :adv_dx_units by Costing

Legend:
- 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

:adv_dx_units	Carrier WeatherExpert	Lennox Model L Ultra High Efficiency	NECB_Default
envelope	355.144	355.144	355.144
ventilation	59.177	61.994	58.405
shw	9.769	9.769	9.769
lighting	41.855	41.855	41.855
heating_and_cooling	88.073	88.073	88.073