Scenario Assumptions	Scenario 2: Strategic Use of Low-Carbon Fuels	Scenario 3: Accelerated Transition Away from Combustion	Scenario 4: Beyond 85% Reduction
Efficiency and Electrification			
New Sales of Heat Pumps	77% by 2029, 100% by 2030/2035 (SF/MF+Com)	80% by 2029, 100% by 2030/2035 (SF/MF+Com), 10% early retirement by 2030	80% by 2029, 100% by 2030/2035 (SF/MF+Com), 10% early retirement by 2030
Mix of Heat Pump Technologies	70% ASHP, 10% ASHP + fuel backup, 20% GSHP	77% ASHP, 23% GSHP	77% ASHP, 23% GSHP
Share of Electrified Buildings*	18% by 2030, 92% by 2050 1.5 Mil. Households by 2030, 7.8 Mil. by 2050 1.1 Bil. Com sqft by 2030, 5.3 Bil. By 2050	22% by 2030, 92% by 2050 1.8 Mil. Households by 2030, 7.8 Mil. by 2050 1.4 Bil. Com sqft by 2030, 5.6 Bil. By 2050	22% by 2030, 92% by 2050 1.8 Mil. Households by 2030, 7.8 Mil. by 2050 1.4 Bil. Com sqft by 2030, 5.6 Bil. By 2050
Share of Buildings with Efficient Shell	7% Deep Shell, 18% Basic Shell by 2030 26% Deep Shell, 66% Basic Shell by 2050	7% Deep Shell, 18% Basic Shell by 2030 26% Deep Shell, 66% Basic Shell by 2050	7% Deep Shell, 18% Basic Shell by 2030 26% Deep Shell, 66% Basic Shell by 2050
Air Conditioning Saturation	100% saturation by 2050 reflecting climate trends and HP adoption	100% saturation by 2050 reflecting climate trends and HP adoption	100% saturation by 2050 reflecting climate trends and HP adoption
NYC District Heat System	3% annual efficiency improvement, 100% hydrogen conversion by 2050	3% annual efficiency improvement, 100% hydrogen conversion by 2050	3% annual efficiency improvement, 100% hydrogen conversion by 2050
Smart Devices and Conservation (AC, Space Heating)	10% reduction by 2030, 15% by 2050	10% reduction by 2030, 15% by 2050	10% reduction by 2030, 15% by 2050
Low-Carbon Fuels			
Biomass feedstock availability	In-state + regional feedstocks incl. energy crops	None	In-state wastes and residues only
CAC	9% RNG, 75% renewable distillate by 2030 100% RNG and renewable distillate by 2050	4% RNG by 2030, 100% by 2050 (Limited volume from targeted methane abatement from landfills and wastewater only)	7% RNG, 7% renewable distillate by 2030 100% RNG and renewable distillate by 2050
Climate-Friendly Refrigerants			
Transition to ultra-low-GWP and natural refrigerant technologies	Max adoption for building, transportation, and industrial HVAC + refrigeration sectors	Max adoption for building, transportation, and industrial HVAC + refrigeration sectors	Max adoption for building, transportation, and industrial HVAC + refrigeration sectors
Service reclaim at end of life	90% recover rate	90% recover rate	90% recover rate