

Table A6. Equipment, vehicle, and building shell assumptions by household profile and journey

Household Profile	Starting Point	Conventional Replacement	Moderate Efficient Electrification	High Efficient Electrification
Upstate, Moderate Income with Oil	<ul style="list-style-type: none"> * Oil space heating with central AC * Oil water heating * Two fleet average gasoline vehicles * Electric clothes dryer and stove, incandescent/CFL/LED lighting 	<ul style="list-style-type: none"> * Efficient oil space heating and central AC * Efficient oil water heating * Two new gasoline vehicles * Efficient electric clothes dryer and stove, LED lighting 	<ul style="list-style-type: none"> * Basic shell + ducted ASHP, 20% fuel backup * Efficient oil water heating * One new gasoline vehicle, one PHEV * Efficient electric clothes dryer and stove, LED lighting 	<ul style="list-style-type: none"> * Medium shell + ducted ASHP * Heat pump water heating * One PHEV, one BEV * Efficient electric clothes dryer, induction stove, LED lighting
Upstate, Low Income	<ul style="list-style-type: none"> * Gas space heating with window AC * Gas water heating * One fleet average gasoline vehicle * Gas stove, incandescent/CFL/LED lighting 	<ul style="list-style-type: none"> * Efficient gas space heating and window AC * Efficient gas water heating * One new gasoline vehicle * Efficient gas stove, LED lighting 	<ul style="list-style-type: none"> * Basic shell + ductless heat pump, 20% fuel backup * Efficient gas water heating * One PHEV * Efficient gas stove, LED lighting 	<ul style="list-style-type: none"> * Medium shell + ductless heat pump * Heat pump water heating * One BEV * Induction stove, LED lighting
Upstate, Moderate Income	<ul style="list-style-type: none"> * Gas space heating with central AC * Gas water heating * Two fleet average gasoline vehicles * Gas clothes dryer and stove, incandescent/CFL/LED lighting 	<ul style="list-style-type: none"> * Efficient gas space heating and central AC * Efficient gas water heating * Two new gasoline vehicles * Efficient gas clothes dryer and stove, LED lighting 	<ul style="list-style-type: none"> * Basic shell + ducted ASHP, 20% fuel backup * Efficient gas water heating * One new gasoline vehicle, one PHEV * Efficient gas clothes dryer and stove, LED lighting 	<ul style="list-style-type: none"> * Medium shell (moderate income), basic shell (average income) * Ducted ASHP * Heat pump water heating * One PHEV, one BEV * Efficient electric clothes dryer, induction stove, LED lighting
Upstate, Average Income				
Downstate, Moderate Income with Oil	<ul style="list-style-type: none"> * Oil space heating with central AC * Oil water heating * Two fleet average gasoline vehicles * Electric clothes dryer and stove, incandescent/CFL/LED lighting 	<ul style="list-style-type: none"> * Efficient oil space heating and central AC * Efficient oil water heating * Two new gasoline vehicles * Efficient electric clothes dryer and stove, LED lighting 	<ul style="list-style-type: none"> * Basic shell + ducted ASHP, 20% fuel backup * Efficient oil water heating * One new gasoline vehicle, one PHEV * Efficient electric clothes dryer and stove, LED lighting 	<ul style="list-style-type: none"> * Medium shell + ducted ASHP * Heat pump water heating * One PHEV, one BEV * Efficient electric clothes dryer, induction stove, LED lighting
Downstate, Low Income	<ul style="list-style-type: none"> * Gas space heating with window AC * Gas water heating * One fleet average gasoline vehicle * Gas stove, incandescent/CFL/LED lighting 	<ul style="list-style-type: none"> * Efficient gas space heating and window AC * Efficient gas water heating * One new gasoline vehicle * Efficient gas stove, LED lighting 	<ul style="list-style-type: none"> * Basic shell + ductless heat pump, 20% fuel backup * Efficient gas water heating * One PHEV * Efficient gas stove, LED lighting 	<ul style="list-style-type: none"> * Medium shell + ductless heat pump * Heat pump water heating * One BEV * Induction stove, LED lighting
Downstate, Moderate Income	<ul style="list-style-type: none"> * Gas space heating with central AC * Gas water heating * Two fleet average gasoline vehicles * Gas clothes dryer and stove, incandescent/CFL/LED lighting 	<ul style="list-style-type: none"> * Efficient gas space heating and central AC * Efficient gas water heating * Two new gasoline vehicles * Efficient gas clothes dryer and stove, LED lighting 	<ul style="list-style-type: none"> * Basic shell + ducted ASHP, 20% fuel backup * Efficient gas water heating * One new gasoline vehicle, one PHEV * Efficient gas clothes dryer and stove, LED lighting 	<ul style="list-style-type: none"> * Medium shell (moderate income), basic shell (average income) * Ducted ASHP * Heat pump water heating * One PHEV, one BEV * Efficient electric clothes dryer, induction stove, LED lighting
Downstate, Average Income				
NYC, Low Income	<ul style="list-style-type: none"> * Gas space heating with window AC * Gas water heating * One fleet average gasoline vehicle * Gas stove, incandescent/CFL/LED lighting 	<ul style="list-style-type: none"> * Efficient gas space heating and window AC * Efficient gas water heating * One new gasoline vehicle * Efficient gas stove, LED lighting 	<ul style="list-style-type: none"> * Basic shell + ductless heat pump, 20% fuel backup * Efficient gas water heating * One PHEV * Efficient gas stove, LED lighting 	<ul style="list-style-type: none"> * Medium shell (low- and moderate-income), basic shell (average income) * Ductless heat pump * Heat pump water heating * One BEV * Induction stove, LED lighting
NYC, Moderate Income				
NYC, Average Income				