

**NYSERDA HPXML Requirements for Contractors**

DATA CATEGORIES		HPWES PORTAL STAGE		
		MODELING HPXML STAGE	WORKSCOPE HPXML STAGE <sup>1</sup>	FINAL PROJECT HPXML STAGE
GENERAL INFORMATION	Customer Info	First name, last name, phone number	Same as previous file	Same as previous file
	Site Info	Address, city, state, zip, volume (may be calculated automatically), number of units, conditioned floor area (may be calculated automatically), foundation type, number of residents, number of stories above grade, building type, year built, primary fuel type	Same as previous file	Same as previous file
	Project Info	N/A	N/A	Actual project completion date
	Contractor Info	First name, last name, email	Same as previous file	Same as previous file
	Measure Info (for all measures, regardless of type)	N/A	Cost, description (unless automatically generated by modeling tool)	Same as previous file
	Energy Usage Data (actual)	(Consumption) unit of measure, consumption quantity, fuel	Same as previous file, + (savings, by measure and fuel) annual percent reduction, fuel type, unit, total unit savings, total dollar savings	Same as previous file
	Energy Usage Data (modeled)	Baseload, fuel type, consumption by end use, annual consumption	Same as previous file	Same as previous file
HEALTH & SAFETY	Combustion Appliance Zone (CAZ) Data <sup>2</sup>	Ambient CO in CAZ, fuel leaks present / addressed, max CO in living space, worst case depressurization	Same as previous file	Same as previous file
	Combustion Appliance Data	Fuel leaks identified?, leaks addressed?, ambient CO in living space	Same as previous file	Same as previous file
	Carbon Monoxide Testing	Current condition (ppm), poor scenario (ppm), test result	Same as previous file	Same as previous file
	Flue Draft Data	Current condition (pa), poor scenario (pa), test result	Same as previous file	Same as previous file
	Spillage Data	Current condition (seconds), poor scenario (seconds), test result	Same as previous file	Same as previous file
HEATING & COOLING SYSTEMS	Heating System (Boilers & Furnaces)	Annual heating efficiency (units, value), fraction of heating load served, fuel, type	Same as previous file	Same as previous file
	Heat Pumps	Annual cooling and heating efficiency (unit, value), fraction of cooling and heating load served, type, geothermal loop? <sup>3</sup>	Same as previous file	Same as previous file
	Wood Stove, Pellet Stove, Pellet Stove Insert	N/A	Smoke emission rate	Same as previous file
	HVAC Distribution System	Annual cooling/heating distribution system efficiency, <sup>4</sup> conditioned floor area served, duct insulation R-value, duct leakage test method, measured duct leakage, <sup>5</sup> duct leakage test unit of measurement, visual inspection of leakage?, duct location, duct material, duct system sealed?	Same as previous file	Same as previous file
	Mechanical Ventilation	N/A	Used for whole building ventilation?, fan type	Same as previous file
	Air Conditioner	Annual cooling efficiency (unit, value), capacity, type, fraction of cooling load served	Same as previous file, + manufacturer, model number	Same as previous file
	Programmable Thermostat	Control type, setpoint temperature (cooling, heating seasons)	Same as previous file	Same as previous file
BUILDING SHELL	Insulation (attic, wall, floor, band joist, basement, crawl space)	Insulation material, assembly effective R-value, installation type, surface area	Same as previous file	Same as previous file
	Air Sealing	Building air leakage (CFM50), house pressure	Same as previous file, + proposed CFM50	Same as previous file, + test-out building air leakage (CFM50), house pressure
	Windows	Area, quantity, U-factor	Same as previous file, + glass layers, system ID, solar heat gain coefficient (SHGC), third-party certification (ENERGY STAR)	Same as previous file
	Exterior Doors	Type	Same as previous file, + third-party certification (ENERGY STAR)	Same as previous file
WATER HEATING & CONSERVATION	Water Heaters	Type, hot water temperature, combustion ventilation system orphaned?, energy factor, fuel type, location	Same as previous file, + pipe R-value, recovery efficiency, tank volume, third-party certification (ENERGY STAR)	Same as previous file
	Pipe Insulation	N/A	R-value	Same as previous file
	Water Fixtures	N/A	Type, flow rate, faucet aerator?	Same as previous file
APPLIANCES & LIGHTING	Refrigerator	Primary status, type	Same as previous file, + type, third-party certification (CEE Tier 2/3)	Same as previous file
	Freezer	N/A	Third-party certification (ENERGY STAR)	Same as previous file
	Dishwasher	N/A	Third-party certification (ENERGY STAR)	Same as previous file
	Clothes washer	Type	Same as previous file, + type, third-party certification (ENERGY STAR)	Same as previous file
	Dehumidifier	N/A	Third-party certification (ENERGY STAR)	Same as previous file
	Light Fixtures	Usage (hours/day), wattage, type, number of units	Same as previous file, + third-party certification (ENERGY STAR)	Same as previous file

1. In most cases, contractors submitting audit project files (Modeling HPXML Stage) to the NY HP Portal will include proposed improvements. In this case, contractors should refer to the Workscope HPXML Stage column for guidance on NYSERDA's minimum data requirements for audit submissions that include proposed improvements.  
 2. CAZ data is required when combustion appliances (other than sealed combustion) are present  
 3. Required if heat pump type is indicated to be ground-to-air  
 4. Required when central distribution system exists  
 5. Required if duct leakage test was conducted