

DTE Energy New Construction Major Renovations Program Measures Baselines

Assembly Item	Description	2024 Renovations Baseline
Windows	Window U-factor	Preexisting Conditions
	Window SHGC	2015 Code
Sky Light	U-factor	0.55
	SHGC	Not Required
Ceiling R-value		Preexisting Conditions
Wood Framed Wall R-value	Cav-Only	R-13
	Cav+Ext	R-13
	Ext-Only	R-13
Floor R-value		Preexisting Conditions
Basement Wall R-value	Cont-Only	Preexisting Conditions
	Cav+Ext	Preexisting Conditions
	Cav-Only	Preexisting Conditions
Slab R-value & Depth		Preexisting Conditions
Crawlspace Wall R-value	Cont-Only	Preexisting Conditions
	Cav+Ext	Preexisting Conditions
	Cav-Only	Preexisting Conditions
Infiltration (ACH50)		10.2 ACH 50
Ventilation		2015 Code
Ducts	Duct Location	Preexisting Conditions
	Insulation in Unconditioned Attic	R-8 (code)
	Insulation in Other Unconditioned Space	R-6 (code)
	Total Duct Leakage	2015 Code
	Duct Leakage to Outside	Preexisting Conditions
HVAC and DHW	Heating Equipment Efficiency	See Mechanical Values Table
	Cooling Equipment Efficiency	See Mechanical Values Table
	DHW Equipment Efficiency	See Mechanical Values Table
Thermostat		2015 Code
Lighting		LED
Appliances		2015 Code

Mechanical Values	
Equipment Type	Baseline
Air Source Heat Pump (ASHP)	SEER 14/8.2 HSPF
Ground Source Heat Pump (GSHP)	SEER 14/8.2 HSPF
Tankless Water Heater	UEF 0.675-0.0015* tank capacity
Storage Water Heater ≤ 55 Gal.	UEF 0.675-0.0015* tank capacity
Storage Water Heater > 55 Gal.	UEF 0.8012-0.00078* tank capacity
Heat Pump Water Heater	0.9211 UEF
Natural Gas Furnace	80% AFUE
Natural Gas Boiler	82% AFUE
AC	13 SEER
Duct Leakage to Outside	3 to 4 CFM/100 sq. ft.

ACH50 Matrix			
Scenario		Entered ACH Value	
Existing	Final	Existing ACH	Final ACH
Not Tested	Not Tested	3.02	3.02
Not Tested	Tested	10.2*	As Tested
Tested	Tested	As Tested	As Tested

*Unless tested Final Value is > 10.2, then enter tested value.