

# Energide Rating System Pre-Retrofit Assessment

File ID: 7974023 043    Advisor name: Ray Panke    Date: SEPT 29, 2023    Time: 6:00 PM  
 Prev ID: 7974023043    Roll # \_\_\_\_\_    Paid: chg/lec/other    Fee: \_\_\_\_\_

Client name: LANGDON WJER  
 House address: LOT 35-1211 ASHMORE TERRACE  
 City and Prov.: LANGFORD BC  
 Postal code: V9C 0R2  
 Telephone: \_\_\_\_\_  
 Email address: \_\_\_\_\_  
 Mailing address: \_\_\_\_\_  
 City and Prov.: \_\_\_\_\_  
 Postal code: \_\_\_\_\_

**Interior Dimensions**

	Foundation	Main
Perim.		
Area		
Height		

Basement height abv grade: \_\_\_\_\_  
 Pony wall height: \_\_\_\_\_  
 Crawl space height abv grade: \_\_\_\_\_  
 Foundation attachment length: \_\_\_\_\_  
 Highest ceiling (incl skylight): \_\_\_\_\_

**Area**

	Area
Flat ceiling:	
Sloped ceiling:	
Exposed floor:	

Area above grade: 2268.17    812.62 below grade

**Homeowner concerns:**

\_\_\_\_\_

\_\_\_\_\_

Exterior siding: wood / stucco / (hardie) / vinyl / other: \_\_\_\_\_  
 Year: 2023    Size: 3080.79 sq ft    Heat: ASHP  
 Stores: \_\_\_\_\_    Type: detached / row-end / row-mid

Vermiculite?     No     Maybe     Yes, location: \_\_\_\_\_

Ceiling	Type	Area	Framing	Insulation	*assumed default roof cavities
UPPER ATTIC	2x4 TRUSS	841	2x4	R-44	15" LOOSE FGL
UPPER SCISSOR	2x4 TRUSS	226.99	2x4	R-40	BATT (NOT VISIBLE, BASED ON PLANS)
MAIN ATTICS	2x10	203.7	2x10	R-44	15" LOOSE FGL (ASSUMED BASED ON PLANS)

Main Walls	Perimeter	Height	Corners	Framing	Insulation	*assumed @16"OC	Interior	Exterior	Buffer
UPPER	138	8.01 (AVG)	10/9	2x6	R-26	BATT			
MAIN	164	9	20/4	2x6	R-26	BATT			
MAIN HEADER	63.67	0.83	-	2x10	R-20	BATT			

Exposed floor	Area	Insulation	buffer
MAIN FLOOR	43.17	R-31 BATT	<input type="checkbox"/>
UPPER FLOOR	67	R-31 BATT	<input type="checkbox"/>

Foundation     Basement     Slab-on-grade     Crawl space    vented / closed / open: \_\_\_\_\_    heated / unheated: \_\_\_\_\_

Section	Perimeter	Height	Area	Type	Insulation
BSMT	156	9	872.62	-	2.5" XPS UNDER SLAB (4' AROUND PERIM)
-CONC	-	3.54	-	CONC	
-PONY	-	5.46	-	2x6	R-20 FGL BATT
-HEADER	102.25	0.83	-	2x10	R-20 FGL BATT

**Heating/cooling systems**

Heating System: furnace / boiler / bsbrd / other

Fuel type: oil / electricity / gas / other: \_\_\_\_\_

Eff. (AFUE / SS): \_\_\_\_\_ DC motor: yes / no

Flue: Chimney / Through the wall Flue dia: \_\_\_\_\_ in / cm

Make: \_\_\_\_\_ Model: \_\_\_\_\_

Electronic thermostats: yes / no

Cooling System: yes/no \_\_\_\_\_

**DHW system**

Fuel: elec / gas / oil / tank / tankless

Type: \_\_\_\_\_ Pilot: no

Tank Size: N/A / 59.1 imp gal

Location: BSMT

EF: 0.957

Make: BRADW / NAVIEN

M/N: SEE PHOTOS

Insulated: yes / no

Co-vented? yes / no

SDHW inst. yes / no

Make: \_\_\_\_\_ Model: \_\_\_\_\_

**Ventilation system**

Type \_\_\_\_\_

Supply \_\_\_\_\_ Ls/cfm

Exhaust \_\_\_\_\_ Ls/cfm

HVI Sec. 3 certified: yes / no

Make \_\_\_\_\_ Model \_\_\_\_\_

Eff. @ 0 deg \_\_\_\_\_

Eff. @ -25 deg \_\_\_\_\_

**Supplementary fans**

location	number
bath	1111
kitch	11
dryer	11
other	

**Heat Pump**

Installed? (yes) no

Type:  central  ductless

Out m/n: EMX548WVJ9 In m/n: PDMQ24KVJ (x2)

Capacity (btu/h): 48,500 HSPF: 11.10 SEER: 20.20

**Supplementary heat 1**

wood / n. gas / propane / other open fp / fp w doors / fp insert / stove / other

Eff % 62.8 NAPOLEON Photos:

Model: B36VTEA

**Supplementary heat 2**

wood / n. gas / propane / other open fp / fp w doors / fp insert / stove / other

Eff % \_\_\_\_\_ Model: \_\_\_\_\_

**Water conservation**

# of toilets present: 1111 # of low-flush: 1111

**Drain water heat recovery**

Number present if installed: \_\_\_\_\_ Photos:

Efficiency: \_\_\_\_\_

**Blower Door Test**

photo

Make/Model of fan: Minnpls 3

Test Method: As Operated

Damper closed? yes / no

	House (Pa)	Fan (Pa)	Zone (Pa)	Ring
	-10.2	initial	-	N/A
1	-14.5	46.5	-	O A B
2	-19.7	72.8	-	O A B
3	-24.4	99.2	-	O A B
4	-30.1	123.4	-	O A B
5	-34.1	150.8	-	O A B
6	-39.5	179.6	-	O A B
7	-45.9	225.2	-	O A B
8	-50.4	251.4	-	O A B
	-1.0	final	-	N/A

	Zone (Pa)	Fan (Pa)	House	Ring
	-	initial	-	N/A
	-	-	-	O A B
	-	-	-	O A B
	-	-	-	O A B
	-	-	-	O A B
	-	-	-	O A B
	-	-	-	O A B
	-	-	-	O A B
	-	-	-	O A B
	-	-	-	O A B
	-	final	-	N/A

**Exhaust devices depressurization**

Performed? yes / no

If no, why not? \_\_\_\_\_

Initial: -1.2 Pa

Final: -23.2 Pa

Depressurization: 22 Pa

Location of blower door: FRONT DOOR

House volume: 28470.11 ft<sup>3</sup>

Int. temp: 63°C °F

Ext. temp: 57° °F

ALL GAS MECH SEALED

**Prioritized Air Leakage Checklist**

H M L

	Windows
	Electrical boxes on interior walls
	At least one light fixture in the upper level ceiling
	Electrical boxes on exterior walls
	Sill and header along foundation perimeter
	Fireplace
	All upper level ceiling penetrations, if vermiculite
	All openings and penetrations in ext. walls, if vermiculite

	Attached garage door
	Attic hatch
	Bathroom fans
	Exterior doors



