MORTGAGE LOAN INSURANCE

JOB AID

GREEN CERTIFICATES & LABELS



Canada

CMHC.ca

Table of Contents

Introduction	2
Steps to Review and Validate an Eligible Third-Party Certificate or EnerGuide Rating	2
Timing of Document Issuance	2
Eligible Certificates: Low Rise Buildings	3
LEED Canada for Homes	3
Built Green	5
ENERGY STAR	6
Novoclimat	7
R-2000 Standard	8
Canadian Home Builder's Association Net Zero Ready and Net Zero Home	9
Efficiency Manitoba's New Home Program	10
Passive House Canada	11
BC Energy Step Code	12
Eligible Certificates: High Rise Buildings	13
Zero Carbon Building Standard	13
Built Green High-Density Standard	14
ENERGY STAR Multi-Family Program	15
Novoclimat	15
BC Energy Step Code	16
Passive House Canada	17
EnerGuide Rating System (ERS):	
Low Rise Buildings	18

INTRODUCTION

To promote low carbon and energy efficient housing choices, CMHC's Homeowner programs include the recognition of third-party certificates and rating systems.

This reference guide provides an overview of the eligible certifications and rating systems. For each eligible certification and rating system, this document contains:

- an example of the document;
- a list of eligible versions or levels;
- additional information as needed.

STEPS TO REVIEW AND VALIDATE AN ELIGIBLE THIRD-PARTY CERTIFICATE OR ENERGUIDE RATING

- 1. Match the issuing organization to one listed in this document;
- 2. Ensure the address of the subject property corresponds to the address indicated on the eligible document;
- 3. For eligible third-party certificates, confirm the certificate name, level and version (if displayed) against the applicable certificate table indicated in this document;
- For EnerGuide rating system, ensure the rating target indicated in this document is met based on the home's actual energy consumption rating in gigajoules/year or Greenhouse Gas emission (GHG);
- 5. Ensure the eligible document is no more than five (5) years old as at the mortgage closing date.

TIMING OF DOCUMENT ISSUANCE

Eligible third-party certificates are typically issued at the completion of the building under construction.

EnerGuide rating, EnerGuide Labels and EnerGuide Renovation Upgrade Reports are issued after the property has been evaluated by an NRCan-registered Energy Advisor. In the case of resale transactions of existing homes, these documents are typically issued to the current owner which can be passed to the subsequent purchaser.

ELIGIBLE CERTIFICATES: LOW RISE BUILDINGS¹

LEED Canada for H	omes		
Organization	Certification	Version	Level
Canada Green Building Council	LEED Canada for Homes 2009 LEED Building Design and Construction: Homes and Multifamily Low-rise v4 LEED Building Design and Construction: Residential Single-family v4.1	2009 Version 4 Version 4.1	Gold Platinum

Validation: LEED certifications are provided in one of the standard certification forms as shown below. No additional document is required. As an optional secondary validation step, a <u>project database</u> can be consulted for registered and certified projects.



¹ Low Rise Buildings: 3 or fewer storeys in height AND less than 600m² in building area including single-detached, semi-detached, duplex, triplex, fourplex, rowhouse, and stacked townhouses or small apartment buildings.





Built Green			
Organization	Certification	Version	Level
Built Green Canada	Single Family Program	2019-2021	Gold
			Platinum

Validation: Built Green certifications are provided in the standard form as shown below. No additional document is required.

Tip: A database of certified builders is available via the find-a-builder tool.



ENERGY STAR

Organization	Certification	Version	Level
Delivered by <u>Natural</u> <u>Resources Canada</u> (NRCan)	ENERGY STAR for New Homes Standard	12.6+	Certified

Validation: The ENERGY STAR certification is provided in the standard form as shown below. No additional document is required.

Tip: A list of <u>certified builders</u> across Canada is available.

AN ENER QUALIFIE	gy star° D home	00001E
NERGY STAR	HOMOLOG STAR®	UÉE
Address / Adresse :		
		strefes
		emeg
		arques es Etal
Built by / Constructeur :		est d
		STAR sont des
		AT STA
Verified by / Vérificateur :		ENERG CONTRACTOR
Certified Energy Advisor / Conseiller en effic		mb ote protect
ENERGY STAR File Number / Nume	And the second se	2.5
.0		te nom de l'Aque
Date/Date:	Version / Version	
		næks of the
ENERGY STAR is administered in Canada by Natural Resources Canada.		Providence in the second se
ENERGY STAR est administré au Canada par Ressources naturelles Canada.		
Service Organizations are licensed by Natural Resources Canada / Les organismes de service sont accrédités par Ressources naturelles Canada.		e bottore e
Service Organization seal must be present to be valid. / Cette étiquette n'est valide que si le sceau d'un organisme de service y est apposé.		46Y STAR name
www.newhomes.nrcan.gc.ca www.maisonsneuves.rncan.gc.ca		

Novoclimat			
Organization	Certification	Version	Level
Ministère de l'Énergie et des Ressources naturelles du Québec	Novoclimat Homes Novoclimat Small Multi-Unit Buildings	N/A	Homologué

Validation: The Novoclimat certification is provided in the standard form as shown below. No additional document is required.

Tip: A database of Novoclimat certified builders is available.



Note: At this time, the organization only provides certificates in French.

R-2000 Standard			
Organization	Certification	Version	Level
Delivered by <u>Natural</u> <u>Resources of Canada</u> (NRCan)	R-2000	2012	Certified

Validation: The R-2000 Standard certification is provided in the standard form as shown below. No additional document is required.

Tip: A database of eligible builders is available.



Canadian Home Build	ler's Association Net Z	ero Ready and Ne	t Zero Home
Organization	Certification	Version	Level
Delivered by the <u>Canadian Home</u> Builder's Association	Net Zero Ready Home Net Zero Home	N/A	Qualified CHBA Net Zero Ready Home Qualified CHBA Net Zero Home

Validation: The two Net Zero certifications are provided in the standard form as shown below. No additional document is required.

Tip: A database of <u>Net Zero Builder Members</u> is available.



Efficiency Manitoba's I	New Home Program		
Organization	Certification	Version	Level
Efficiency Manitoba	New Home Program	N/A	20% to 90% + improvement

Validation: The Efficiency Manitoba certification is provided in the standard form as shown below. No additional document is required. Tip: A list of certified contractors is available.



Passive House Canada	a		
Organization	Certification	Version	Level
Passive House Canada	Certified Passive House EnerPHit Certified Retrofit	9	Classic Plus
			Premium

Validation: The Passive House certification is provided in the standard form shown below. No additional document is required. As an optional secondary validation step, this <u>project map</u> can be consulted to identify certified projects.



	,			D- 1	Wolfgang Folat 83 Dermitart
End-of-terrace Pas Example Street 99.		City, G	erman	-	-
-	_	1			
E Lov Build	Energy	1			-
C Duile	ung				
Client		Passivhaus A Example Street		of Currens	
Acchillent		00000 Faarron Arth	a City. Ca		
PROFILIC		Example Stre 66000 Examp	199		
Building Services		Example Med	hanical Se		/
Energy		DODAL Example	EDIY, Ge		
Consultant		Example Drov googo Example	et 99		
The characteristic scenes where					
The characteristic energy values verified as horizogity as for Pass- terre a science of the above mention the design of the above mention the Passive House institute for	the House certification. How corrected porturns, see been a cover building meets the p	ment dat for a	aritous rea ourn).	sore PH Low	Energy Buildings
volted as horizolity as for Pes farm a somewhat hyper energy The design of the above ments the Panahu House Institute for Bullding quality	the House certification. How corrected porturns, see been a cover building meets the p	ment dat for a	aritous rea ourn).	Criteria	Alternative criteria
verified as thorsoughly as for Pass faces a accrete/tell region energy. The design of the above-mentis the Passive House tradition for facilities quarky Heating	the House certification. How corrected porturns, see been a cover building meets the p	martin defined	aritous rea ourn).	sore PH Low	Energy Buildings
verified as thorsough y as for Pass faces a somewhat higher energy. The design of the above mention the Passive House Institute for Institute quarky Heating	An Hand Selfing and the self hand building marks being building marks the self building marks the s	Haris defined	artious nud comp. I by	criteria	Energy Buildings
volide as horoughly as to Pass how a survey in types strength the Passics House institute for Institute county Heating Cooling Frequency of sectorement Artiguingss	No Frank and Setting No. 1997	ning Standard Tang Standard 13	aribus real comp. Liby Li	Criteria 30 19	Energy Buildings
vortified and horozophy as to Phase time a scienced of typice energy. The design of the above month the Peasire House Institute for Dutiding cost/f/ Halling Programming of contents Assignabless Peasarcy and contents Received and the Peasarce and the Received and the Peasarce and the Received and the Peasarce and the Peasarce Peasarce and the Peasarce and the Peasarce Received and the Peasarce a	No France certification from served professional and the server and huiding matrix for a first france frances from the france frances from reg < 10 500 [14] reg < 10 500 [14]	new data v new data v	aribus real xon). I by S S S S	Criteria 30 1.0	Alternative ordereta
vortified and horozophy as to Phase time a scienced of typice energy. The design of the above month the Peasire House Institute for Dutiding cost/f/ Halling Programming of contents Assignabless Peasarcy and contents Received and the Peasarce and the Received and the Peasarce and the Received and the Peasarce and the Peasarce Peasarce and the Peasarce and the Peasarce Received and the Peasarce a	Ale in type and the first on type of the type of type of type of the type of type	ning Standard Tang Standard 13	aribus real comp. Liby Li	Criteria 30 19	Energy Buildings

Certified Passive House Premium					Passive House woluer
				Di 643	Nolfsang Feist 83 Darmstadt
				Ow	mary .
End-of-terrace Passiv	e House		-		
Example Street 99, 99	999 Example (City, Ger	many	-	
	Clent	Passishman A		on of Owners	
0		Example Etra 99999 Examp		Germany	
	Architect	Example Ard	hectural	Fem	
Certified		Surrey to Dawn	ple City.	Germany	
	Building Services	Example Met		Services Far	9
Passive House	Services	99999 Examp	ple City, I		
	Contraction	Example Ene Example 10x		sultient	
classic pies premium		97905 Examp	ple City, I	Germany	
Bassies House buildings offer exceller	a france of standard and on	to stand air stand		ar month Day	a to think high
Passive House buildings offer exceller energy efficiency, energy costs as well	t thermal comfort and ve I as greenhouse pas error	ry good air qua giors are extre	dity all you erreety too	ar round. Due	to their high
Pasaive House buildings offer exceller energy efficiency, energy costs as well	t thermal confust and ve an growthouse past enter	ry good air qua	ity all yes	er round. Due	e to their high
The design of the above mentioned	as providence pay and	aria defined in	ernety low	er round. Due	e to their high
onergy efficiency, energy costs as well The design of the electre mentioned the Passive House Institute for the	as providence pay and	arte defined in n' standard	ernety ion		
energy efficiency, energy costs as well The design of the above mentioned the Passive House Institute for the Durinting quarity	as providence pay and	aria defined in	ernety ion	er round. Due	Atternative criteria
energy efficiency, energy costs as well The design of the slowe coefficiend the Passive House Institute for the Durinting quarty Heating	in previously particular I soliding masks die ook Paralee House Preside	n in defined by n' standard: This builder	erisety icon 7		Alternation
energy efficiency, energy costs as well The design of the above exectioned the Passive House Institute for the Dubling quality Reating	as providence pay and	arte defined in n' standard	erisety icon 7	Criteria	Alternation
energy efficiency, energy costs as well The design of the above mentioned the Passive House Institute for the Contring quarty Heating Cooling	an presentencier pas ante Instituting meetra die och Papaloe House Primiter g dermand (1980-1984) alter loof (1980-1984)	eries are exten erie definend in n' standard: This builder 13 19	erinely few y s s	Criteria 15	Alternation criteria
energy efficiency, energy costs as well The design of the above essentioned the Passive House Institute for the Outling quarty Heating	as previously passes and healthing meets the orb Parales House Printips of demont (1995-1979) ating load (1999)	eries are exten erie definend in n' standard: This builder 13 19	erisety icon y 10 x	Criteria	Alternation criteria
energy efficiency, energy costs as well The design of the alexen exectioned the Passive House Institute for the Outling quality Reating Frequency of overheading Adapteress	a grandrooid ga aha I shifting menta die oh Papaka House Primika a demand I shifting lood Band I (> 25 °C) [%]	erte defined ty n' standard: This builder 13 19	erinely few y s s	Criteria 15	Alternation criteria
energy efficiency, energy costs as well This design of the alexen energience the baseline House Institutes for the Costing general Features Fragmency of overheading Any formers Presenting theorem reverses Recognition primary energy (FRU)	a premission presidente Paralise Rosse Primier al dennand (2000-paralise altra loss (P-25 °C) [N] (P-25 °C) [N]	eria defined by n° standard: 13 19 1	rindy low 7 10 15 15	Criteria 15 10	Alternation criteria
energy efficiency, energy costs as well This design of the alexen energience the baseline House Institutes for the Costing general Features Fragmency of overheading Any formers Presenting theorem reverses Recognition primary energy (FRU)	In previously parameters for other Pagasive Research (Marcy and align load (Marcy and (P-25°C) [N] (P-25°C) [N] (Page and (Mith(mith))	inters are extended by in standard: This builder 13 10 1 0.2	rinely icon y s s s s s	Criteria 15 10 0.6	Alternative criteria 10
energy efficiency, energy costs as well The design of the alexen executioned the Passive House Institute for the Outling quality Reading Frequency of overheading Artigleners Press director terms and Receeved primary energy (PER)	а уполнонай уда отна јелабија лемета от оста Развлаче Новае Ренако алеко и долосного делако и долосного делако и долосного (P 25 °C) [N] (P 25 °C) [N] (P 26 °C) [This period by a second		Criteria 15 10 0.6 30 129	Alternative criteria 10 32
energy efficiency, energy costs as well The design of the above meethings The design of the above meethings the second se	а уполнонай уда отна јелабија лемета от оста Развлаче Новае Ренако алеко и долосного делако и долосного делако и долосного (P 25 °C) [N] (P 25 °C) [N] (P 26 °C) [This period by a second		Criteria 15 10 0.6 30 129	Alternative criteria 10 32
energy efficiency, energy costs as well The design of the above meethings The design of the above meethings the second se	а уполнонай уда отна јелабија лемета от оста Развлаче Новае Ренако алеко и долосного делако и долосного делако и долосного (P 25 °C) [N] (P 25 °C) [N] (P 26 °C) [This period by a second		Criteria 15 10 0.6 30 129	Alternative criteria 10 32
energy efficiency, energy costs as well The design of the above meethings The design of the above meethings the second se	а уполнонай уда отна јелабија лемета от оста Развлаче Новае Ренако алеко и долосного делако и долосного делако и долосного (P 25 °C) [N] (P 25 °C) [N] (P 26 °C) [This period by a second		Criteria 15 10 0.6 30 129	Alternative criteria 10 32

BC Energy Step Code

Organization	Certification	Version	Level
Delivered by <u>BC Energy</u>	Step Code Program	N/A	Step 3
			Step 4
			Step 5

Validation: The Step Code is an energy efficiency standard requiring 2 compliance reports: Pre-construction for design review when building permit is requested and "as-built" report prior to occupancy to verify air tightness and energy performance requirements. The pre-construction report is appropriate to validate the property and zeroing in the code compliance table as shown below confirming the step and if it's been met. Once this section of the document for compliance has been reviewed, *no additional validation is required*. The <u>Compliance Report templates</u> are available.

Proposed House Rated Energy Consumption (GJ/year): 74 Refer	ence House Rated Energ	y Target (G.I/year)	90
METRIC	UNITS	REQUIRED	PROPOSED
Step Code Level	5htp 1, 2, 3, 4, or 5		3
Mechanical Energy Use Intensity (MEUI)	kW/h/(m²-year)	(max)	
ERS Rating % Lower Than EnerGuide Reference House, where applicable		(min)	
Thermal Energy Demand Intensity (TEDI)	(Mitu(m ² -year)	(max)	
Peak Thermal Load (PTL)	the m	(max)	
Airtightness in Air Changes per Hour at 50 Pa differential	AD1 0 50 Pa	0.5.7.6	
The above calculation was performed in compliance with (see Calculation & Select One:	Step Cod 28.3.(2)(e) of Division C)		
The above calculation was performed in compliance with (set Case a select One:	Step Cod (81.3.(2)(e) of Division C) and the energy model w	e Design Require	
The above calculation was performed in compliance with (set class a select One: Subsection 9.36.5. The Passive House Planning Package (PLAPP) version 9 or newer House Designer or Certified Passive Planning tank. The EnerGuide Rating System (Sel) version 25 or newer, or	Step Cod (81.3.(2)(e) of Division C) and the energy model w	e Design Require	
The above calculation was performed in compliance with (set 1 like) a intert One:	Step Cod (81.3.(2)(e) of Division C) and the energy model w	e Design Require as prepared by a C Guidelines.	
The above calculation was performed in compliance with (set of all all a solution) Solect One: Subsection 9.36.5., The Passive House Planning Package (PadPP), version 9 or newer House Designer or Certified Package (PadPP), version 25 or newer, or The EnerGuide Rating System (ERS) version 25 or newer, or The applicable requirements of the CB Part 8 and the City of Van	Step Cod (2.6.3.(2)(e) of Division C) and the energy model w couver Energy Modelling If applicable, enter	e Design Require as prepared by a C Guidelines.	ertified Passive

ELIGIBLE CERTIFICATES: HIGH RISE BUILDINGS²

Zero Carbon Building Standard						
Organization	Certification	Version	Level			
Delivered by <u>Canada</u> Green Building Council	Zero Carbon Building Standard	Version 1 Version 2 – Design	Passive Flexible Renewable Certified			

Validation: The Zero Carbon certification is provided in the standard form shown below. No additional document is required. As an optional secondary step, a project <u>database</u> is available to identify certified projects.



² High Rise Buildings: Over 3 storeys or over 600m² in building area.

Built Green High-Density Standard				
Organization	Certification	Version	Level	
Built Green Canada	High Density program	2019-2021	Gold	
			Platinum	

Validation: Built Green certification is provided in the standard certificate form as shown below. No additional document is required.

Tip: A database of certified builders is available via their <u>find-a-builder</u> tool.



ENERGY STAR Multi-Family Program

Organization	Certification	Version	Level
Delivered by <u>Natural</u> <u>Resources Canada</u> (NRCan)	Multi-Family program	Pilot (Only Available in Ontario)	Certified

Validation: The Multi-Family program is an ENERGY STAR program designed for new construction high-rise buildings. It is currently a 5-year certification pilot program in Ontario.

Tip: Find a gualified builder.

Note: A certification example is not yet available for this standard; it will be added to this document when available.

Novoclimat			
Organization	Certification	Version	Level
Ministère de l'Énergie et des Ressources naturelles du gouvernement du Québec	Small and Big Multi-Unit programs	N/A	Homologué

Validation: The Novoclimat certification is provided in the standard form as shown below. No additional document is required.

Tip: A database of Novoclimat certified builders is available.

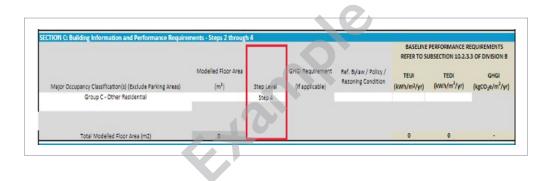
Cer	tificat Novoclimat 🏾 🏠
Le gouv	rernement du Québec
certifie que l'ha	1300, rue du Blizzard Québec QC G2K 2G9
est conforme a	ux exigences du programme Novoclimat - Maison.
	Construite par ENTREPRENEUR INC. Nº de certificat du UNO 1000 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Nº d'homologation : 000-0000-0000 Nº d'homologation : 000-0000-0000 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Nº d'homologation : 000-0000-0000 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Nº d'homologation : 000-0000-0000 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Nº d'homologation : 000-0000-0000 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Nº d'homologation : 000-0000-0000 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Nº d'homologation : 000-0000-0000 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Nº d'homologation : 000-0000-0000 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Nº d'homologation : 000-0000-0000 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Delivre à Quebec le 12º jour du mois d'avril de l'an 2021 Delivre à Quebec le 200 Delivre à Quebec le 200
	Québec 🔠

Note: At this time, the organization only provides certificates in French.

BC Energy Step Code

Organization	Certification	Version	Level
Delivered by <u>BC Energy</u>	Step Code for Part 3	N/A	Step 2
			Step 3
			Step 4

Validation: The Step Code is an energy efficiency standard requiring 2 compliance reports: Pre-construction for design review when building permit is requested and "as-built" report prior to occupancy to verify air tightness and energy performance requirements. The pre-construction report is appropriate to validate the property and zeroing on the code compliance table as shown below confirming the step and if it's been met. Once this section of the report for compliance has been reviewed, *no additional validation is required*. The Compliance Report templates are available.



Passive House Canada	a		
Organization	Certification	Version	Level
Passive House Canada	Certified Passive House EnerPHit Certified Retrofit	9	Classic Plus
			Premium

Validation: The Passive House certification is provided in the standard form shown below. No additional document is required. As an optional secondary validation step, this <u>project map</u> can be consulted to identify certified projects.



				Dr 1	Passive House Inditate Notigang Faist 83 Dermited
End-of-terrace Pass	lua House		-		THEY STREET
Example Street 99, 1		City, Ge	erman	Y	_
	Energy	1	P		
Build	ling	1			
Client		Passivhaus Ar		of Owners	
)	10000 Example	te City. Ge		
Architect		Datariple Artific Diariple Street	el 98		.
Building Services	100	Rotto Example Dampie Mech	henical Se		
		torred Kannel	B Chy Ge		
Energy Consultant		Duampia Enile Duampia Direc	11 99		
	- Andrew Street	2000 Example			
The characteristic energy values of	/ buildings certified accords	ALC: No. I'L	Low Energ		
The characteristic energy values of verified as thoroughly as for Passiv tures a semewhat tegher energy do	to House perfection. How	ever date to v	arious real	none PHI Low	Energy Buildings
verified as thorsugity as for Passi- tures a semewhat higher energy de	in House certification. How	ever day to v	arious rea com):	none PHI Low	Energy Buildings
verified as thorpapity as for Passi- tures a service/al higher arrange of	to House certification. How	and dates	arious rea ourre)-	acre PHI Low	Energy Buildings
verified as thorpapity as for Passi- tures a service/al higher arrange of	to House certification. How	and dates	arious rea ourre)-	Criteria	Atternative criteria
volled as horsagity as for Passi- tance a commental lighter energy of The design of the above mention the Passive House Institute for t Duilting quality Heating	to House certification. How	and dates	arious rea ourre)-	sore PHI Low	Alternative critecia
verified as homouphy as for Pasas have a summer of the energy of The design of the above render to the bases instance instance for t fouriering quartity Heating Centers	a he was particular. How	nor data name ordered ng Bandard	artout no mm): Thy t	Criteria	Atternative criteria
verified a service/dry as for Pasas have a service/or lighter energy of The design of the above mention the frequent instance for the Durking quarky Heating Cooling Programmy of biothesites	a he was particular. How	And Annual State	arious na onn). Lay	Criteria 30 10	Alternative criteria
vertified as homouphy as the Pausi- tense in accommendation ensuing of the above-mention the Pausien Issue institute for the Outling Pausiency of outertainty Cooling Pausiency of outertainty Arrightees Pausienciation had an	nel hubbling series has a nel hubbling series has a hg dement (kthr)(n/k) g (= 25 552 [*4] eed (r_b) [16]	nor data name ordered ng Bandard	artout no mm): Thy t	Criteria	Adamative criteria
verfield an brokkelpt in the Phase in a searchead of the solution enterties the Phase Inside institution for Conting Conting Programs of contention Array Ress Researchead primary energy (PGC Researchead primary energy (PGC) Researchead primary energy (PGC)	na Hausi antifazion Robert na Pauli na dia ang basa na Pata Low Banagi Kasa a dia ang basa ang basa a dia ang basa ang basa a dia ang basa ang basa a dia ang basa pang basa a dia ang basa pang basa ang basa ang basa a dia ang basa pang basa ang basa ang basa a dia ang basa pang basa ang basa ang basa a dia ang basa pang basa ang basa a dia ang basa ang basa ang basa ang basa	tagin defined traj Bandard 13 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	aritous real comp. Liby K S S S	Criteria 30 10	Adamates criteria 75
vertified an obscipping of the Passes that a commonly interest metallic the the Passes features with the Annual Backlang quarty Reading Temperature of the sector Annual Sector of the Sector Annual Sector of the Sector of the Reading Sector of the Sector of the Reading Sector of the Sector of the Common the Sector of the Sector of the Common the Sector of the Sector of the Common the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector of the Sector o	via H-Lunk confliction. How we want the con- ment function of the con- ment function of the con- ment function of the con- section of the constraints of the con- section of the constraints of the con- ment function of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the	ner daa fu v ner daa fu v ng biandard 13 1 1 8,2 2 2 3 2 2 5	aritical real period	Criteria 30 1.0 75	Alternative criteria
verfield an brokkelpt in the Phase in a searchead of the solution enterties the Phase Inside institution for Conting Conting Programs of contention Array Ress Researchead primary energy (PGC Researchead primary energy (PGC) Researchead primary energy (PGC)	via H-Lunk confliction. How we want the con- ment function of the con- ment function of the con- ment function of the con- section of the constraints of the con- section of the constraints of the con- ment function of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the constraints of the	ner daa fu v ner daa fu v ng biandard 13 1 1 8,2 2 2 3 2 2 5	aritical real period	Criteria 30 1.0 75	Alternative criteria

Centified Plassive House Phemium				19	Passawe House
					or Sillute
				Dr. 1	Notigang Feist Ki Darmstadt
		_			many
			-		-
End-of-terrace Passive H					
Example Street 99, 99999	9 Example 0	city, Gern	any		
~ ~	Client	Passidiana Ast Example Street		ion of Owners	
		99999 Example		Germany	
	Architect	Example Archite Example Street	ecars	ifim	
Certified		999999 Example	e City.		
Passive House	Building Services	Example Mech		Senices Firm	9
Passive House Institute		99999 Example	D City.		
	Energy Consultant	Example Energy Example Devel	y Con 199	Institute	
] dasse plus premium		99999 Example		Germany	
	400	-			and a second
Passive House buildings offer excellent the energy efficiency, energy costs as well as g	rmal comfort and ver	ry good air quality	y all ye	ear round. Due	to their high
and a second second second as a second	And a state of the	ayona are extrem	why hos	*.	
	-		weity hos	-	
The design of the above mentioned half	ding meats the orb	uria defined by	wity hor		
The design of the above mentioned balls the Passive House Institute for the Pass	ding meats the orb	uria defined by		Critteria	Alternative
The design of the above mentioned bath the Passive House Institute for the 'Pass Duriding quality	ding meats the orb	eria defined by n' standard:			Alternative criteria
The design of the above reactioned both the Passive House Institute for the Pass Datiding quality Heating Heating	nage (LWA) afg	eria defined by n' standard: This building	4	Critecia 15	criteria
The design of the above mentioned kalk the Passive House Institute for the Pass Dufiling quality Heating Heating	nard (LWA-Jarge)	n' standard: This building		Critteria	
The design of the above mentioned kalk the Passive House Institute for the Pass Dufiling quality Heating Heating	ding mosts the orthogon House Premium	n' standard: This building 13 10	4	Critecia 15	criteria
The design of the show meetioned bain for Passive House Institute for the Team Datating quality Heating Cooling Programs of overmaking (> 21 Akinghouses	Ming months the only the House Premium mont (KMh (Janfer) 1605 (MMP) 8 °C) (%)	rela defined by n'standard: This building 13 10 1	4 H H	Criteria 16 10	criteria
The design of the above mestioned bails the Parster House bestitute for the Pars Dotting quarty Heating Cooling Pregamy of overheating (r-2) Astightens Pregamy of the Pars)	ding mosts the orthogon House Premium	n' standard: This building 13 10	4 4	Criteria 16	criteria
The design of the show meetineed both the Passive House builtate for the Passive Builting queity Heating Cooling Programs of overheading (> 2) Abilightness	Mag meets the orthogen to the	rela defined by n'standard: This building 13 10 1	4 H H	Criteria 16 10	criteria
The design of the slowe meetineed but the Parater Hone hashing to the Meeting Bolding quality Henting Cooling Prepares of overleasing (-2) Along these Press cores of the source of the source Respective Press	and a second biology second biology second biology for the second	rela defined by n° standard: This building 13 10 1 0,2 32	4 4 x 4	Critesta 16 10 0.6	criteria 10
The design of the adverse mentioned is an the Passive House Institute for the Passive House Institute Team Institute Team Pagearean of over energies (2: 2) Adoptions Parson patients for the All Parson patients for	along meetin the order bine House Primiter ment (LWhi(perin)) 1000 (Whi() 5 °C) (%) 1000 (10) 1000 (10) 1000 (10) 1000 (10)	rela definent by n'standard: This building 13 10 1 0,2 32 125	4 4 4 4 4 4 4 4 4 4 4	Criteela 16 10 0.6 30 120	10 12
The design of the advect menufaced basis the Paratrie House bestitute for the Para building units Heating Perganany of overleasing 1: 27 Assignates Personalities prinary energy 97(1) PR Rese	along meetin the order bine House Primiter ment (LWhi(perin)) 1000 (Whi() 5 °C) (%) 1000 (10) 1000 (10) 1000 (10) 1000 (10)	rela definent by n'standard: This building 13 10 1 0,2 32 125	4 4 4 4 4 4 4 4 4 4 4	Criteela 16 10 0.6 30 120	10 12
The design of the adverse mentioned is an the Passive House Institute for the Passive House Institute Team Institute Team Pagearean of over energies (2: 2) Adoptions Parson patients for the All Parson patients for	along meetin the order bine House Primiter ment (LWhi(perin)) 1000 (Whi() 5 °C) (%) 1000 (10) 1000 (10) 1000 (10) 1000 (10)	rela definent by n'standard: This building 13 10 1 0,2 32 125	4 4 4 4 4 4 4 4 4 4 4	Criteela 16 10 0.6 30 120	10 12
The design of the adverse mentioned is an the Passive House Institute for the Passive House Institute Team Institute Team Pagearean of over energies (2: 2) Adoptions Parson patients for the All Parson patients for	along meetin the order bine House Primiter ment (LWhi(perin)) 1000 (Whi() 5 °C) (%) 1000 (10) 1000 (10) 1000 (10) 1000 (10)	rela definent by n'standard: This building 13 10 1 0,2 32 125	4 4 4 4 4 4 4 4 4 4 4	Criteela 16 10 0.6 30 120	10 12
De daciga el de aleve mentione la de he beace la dela de la dela de la dela de general la dela dela dela dela dela dela dela de	along meets the online biom House Primular and (MWP) 1000 (WWP) 5°C) (%) (%) (10) (%) (10) (%	rela definent by n'standard: This building 13 10 1 0,2 32 125	4 4 4 4 4 4 4 4 4 4 4	Criteela 16 10 0.6 30 120	10 12
De daciga el de aleve mentione la de he beace la dela de la dela de la dela de general la dela dela dela dela dela dela dela de	along meets the online biom House Primular and (MWP) 1000 (WWP) 5°C) (%) (%) (10) (%) (10) (%	rela definent by n'standard: This building 13 10 1 0,2 32 125	4 4 4 4 4 4 4 4 4 4 4	Criteela 16 10 0.6 30 120	10 12
In datapar of the atova monitored in the detactor House institute for the Speer institute monitories and the Speer Institute Market and Ma Market and Market and Mark	along meets the online biom House Primular and (MWP) 1000 (WWP) 5°C) (%) (%) (10) (%) (10) (%	rela definent by n'standard: This building 13 10 1 0,2 32 125	4 4 4 4 4 4 4 4 4 4 4	Criteela 16 10 0.6 30 120	criteria 10 32

ENERGUIDE RATING SYSTEM (ERS): LOW RISE BUILDINGS

Organization	Rating Target	Version	Document
Delivered by <u>Natural</u> <u>Resources Canada</u> (NRCan)	 Must rate top 15th percentile in GHG emissions, OR Must rate 20% better than a typical new home in energy consumption 	Version 15	EnerGuide label, and EnerGuide Renovation Upgrade Report (RUR), if available

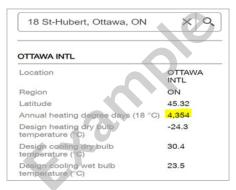
Validation: Validation can be done by demonstrating that the target is met on the supporting document. **Once one of the two targets** *is met, no additional validation is required.* As an optional secondary validation step, NRCan's web portal can be consulted using the file number on the label and the first 3 digits of the property postal code. In the event there are data discrepancies between the eligible document and the web portal, the information on the web portal should be used for qualification purposes.

How to validate the targets are met for the rated property:

GHG emission target:

See table of <u>GHG thresholds</u>.

1. Enter the property's full civic address into the NRCan's HOT2000 <u>climate map</u> and retrieve the Annual HDD (in number of heating degree days).



2. Use the Annual HDD to determine the applicable zone number (Zones 4 - 8) in the table of GHG thresholds.

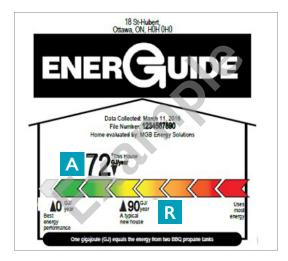
Zone	HDD Range
Zone 4	<3,000
Zone 5	3,000-3,999
Zone 6	4,000-4,999
Zone 7A	5,000-5,999
Zone 7B	6,000-6,999
Zone 8	>=7,000

3. Compare the GHG emissions on the EnerGuide Label to the GHG threshold in the table. To be within the top 15th percentile threshold, the rated GHG emission on the EnerGuide Label must be equal to or less than the corresponding threshold in the table.

18 St Hubert, Ottawa, ON, H0H 0H0
ENERGUIDE
Data Collected: March 11, 2016 File Number: 1234567890 Home evaluated by: MGB Energy Solutions
AO Fear A 90 Cal Dest of the control of the contro
Pende Annuel Demar 65 OJ 1 1 2 2 1 13 1 13 1 13 1 2 2 2 2 2 2 2 3 10 10 13 10 2 2 2 2 2 2 2 3 2 2 2 3 2 3 2 4 10 5 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
This house has significant energy uses not included in the rating, See "House betals" on your Honeware Information Sheet for details. The energy consumption indicated on your utility kills may be higher or lower than your EnerGuide stong.

Energy consumption target:

1. To calculate the percentage of improvement in energy consumption, the following formula can be used: (<u>R minus A</u>) divided by <u>R</u> x 100 => 20%



2. If the result is above **20%**, the property qualifies. The same steps outlined above can be completed using the EnerGuide RUR. See below example for a different property.

RENOVATION UPGRADE RE	PORT ENERGUIDE
Not favchard also get for high of how traces are particular to part for which of how the particular sectors and the sector of how the how the sector of how the how the sector of how the how the how the how the how the how the how the how	Rating: 147 Schere ver Hand forzen: 102 / (10314) Radio grants: 167 Julie Radio grants: 167 Julie Radio y Longen Radio 123 Julie Radio 123 Julie Radio 123 Julie Radio 203 Julie Radio 2
In the locations, too have, and with the of done: 10 Marce 16 2017 or during per have 10 percents OW YOUR HOUSE COMPARES	Links enough anomic related pass Heading spatietic condensing nations per homose Cooling applietic control for conditioner Hol you're spatietic related pin strongs birts
And Conservations and an analysis of the second sec	CRAMERCE Professor P



