

# Ridge Energy Consultants - Data Collection Forms

File ID: \_\_\_\_\_ Advisor name: XIA LI Date: \_\_\_\_\_

<b>Client Data</b>	<input type="checkbox"/> Private	<input type="checkbox"/> Corporate
Client/Corp name:	First name:	Last name:
House address:		
City:		
Postal code:		
Telephone:		
Email:		

Property Tax Roll#:	
Gas Account #:	
Application Number:	

Mailing address:	
City:	
Prov./Territory:	<u>Ontario</u>
Postal code:	
Telephone:	

## Building Envelope Details

<b>Attic</b>	2X4 Batt Truss Lath & Plaster 2X6 Blown Drywall Wood Tile R-value _____ Polyurethane Foam 12" 16" 24" Eave Length:	Vermiculite <input type="checkbox"/> <b>Heel Height:</b> <1990 = 0.33' >1990 = 0.43'
<b>Sloped ceiling</b>	2X4 2X6 2X10 Drywall Cathedral Lath & Plaster Scissor R-value _____ No 12" 16" 24" Eave Length:	
<b>Main Walls</b>	2X3 2X4 2X6 Stucco Drywall Colour D/Brick Lath & Plaster R-value _____ Siding Wood Tile 12" 16" 24" Concrete Block	<b>Note:</b> Colour is required for walls that are less than 50% insulated
<b>Exposed floor</b>	2X6 2X8 2X10 Drywall R-value _____ Lath & Plaster 12" 16" 24" ADJACENT?* Y/N	

\*Adjacent as in above a garage versus the exposed floor of a bowed window.

## NOTES:

Perimeter measurements for foundation is actual perimeter for every house.  
For attached houses the foundation attachment length reduces the heat loss perimeter.  
Perimeter measurements for main floors are heat loss only, reduce for attached walls.  
Soil is always normal unless you know that the water table is high  
Open crawlspaces are always unheated.  
If homeowner refuses Blower Door test make sure the form is filled out and signed.  
For Household Operating Conditions Use Form  
Photovoltaic/Wind - use the Renewable Energy form for the details  
If Home Owner Operating Conditions ensure questionnaire is filled out.

<b>Location Data</b>
Region: <u>ONTARIO</u>
Weather City: _____
Year built: _____
<b>Building Data</b>
Front orientation <b># of Storeys:</b>
<b>NORTH SOUTH EAST WEST</b>
House type <input type="checkbox"/> Detached <input type="checkbox"/> Semi L/R <input type="checkbox"/> Backsplit <input type="checkbox"/> Rowhouse

<b>Foundation type:</b>	<b>Soil:</b> Normal <input type="checkbox"/> Moist <input type="checkbox"/>
<input type="checkbox"/> Basement - Full <input type="checkbox"/> Shallow <input type="checkbox"/> Slab <input type="checkbox"/> Crawlspace <input type="checkbox"/> Walkout	

<b>Exterior Dimensions</b>	Perimeter: _____	Area: _____
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<b>Interior Dimensions</b>	<b>Found.</b>	<b>1st floor</b>	<b>2nd floor</b>	<b>3rd floor</b>
Area:				
Perimeter:				
Wall height:				
	Height of basement wall above grade			
**Adjacent wall length:		Height of pony wall		
	Foundation attachment length			
	Height of highest ceiling			
Flat ceiling: Area / Width - Length				
Sloped ceiling: Area / Width - Length				
Exposed floor: Area / Width - Length				
Above Gr Heated Area:		Below Grade Heated Area:		

<b>Foundation details</b>	<input type="checkbox"/> Concrete walls/slab <input type="checkbox"/> Wood walls/Concrete slab <input type="checkbox"/> Wood walls/floor
<b>Interior insulation</b>	2X3 2X4 2X6 Drywall R-value Lath & Plaster 12" 16" 24" Wood Concrete Block
<b>Exterior Ins.</b>	<b>Type:</b> <b>Insulation:</b> R-value:
<b>Pony wall</b>	<b>Framing:</b> 2X4 2X6 <b>Spacing:</b> 12" 16" 24" <b>Insulation:</b> R-value:
<b>Slab on Grade</b>	
<b>Basement header</b>	NONE R-8 R-12 R-20
<b>Floor above Foundation</b>	

<b>Crawlspace Header</b>	Floor Above Frost R value	Floor Below Frost
<b>Vent:</b>	<b>Open</b> <b>Closed</b> <b>Vented</b> Note: one vent = closed	
<b>Volume included in total heated volume:</b>		

Foundation Notes:

\*\*Adjacent wall length is the protected wall in an attached garage, this should be modeled as a separate perimeter and not as Adjacent.

Primary Heating System

Fuel:

Type:Type:

Flue:ChinmeyThrough wallFlue dia:inDC Motor: YES NO

% Efficiency (AFUE):

E\*Make:Model:

Combo:CSA P9.11E\*Eff%EF

Radiant%atticFlatCS FlrSlabBsmt

Baseboards: # of programmable thermostats installed:

Supplementary Heating

Fuel:

Type:FireplaceUsage: Never

Floor Heated area if ALWAYSAlways

PilotDamperClosed

Solid fuel: Flue DiaEff%

Heat PumpHeat: HSPF/COP

Model #'s IndoorOutdoorCool: HSPF/COP

AHRI#

HRV VentilationMake/Model:

Supply:HRV / ERV

Exhaust CFM:Eff. @ 0 deg:

HVI Sec 3 certified:Eff. @ -25 deg:

Blower door test dataRefused?

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

Fireplace/stove flue diam.inches

Damper closed? YES NO (If 'Y' multiply flue dia by 0.504)

Heating and hot water co-vented? YES NO

Fan type/Manometer: Retrotec 5000/DM32

House (Pa)	Fan press (Pa)	Airflow (CFM)	Ring / Cup
-			
-			
-			
-			
-			
-			
-			
-			
-			

Int. temp:°FInitial house pressure:Pa

Ext. temp:°FFinal house pressure:Pa

Blower door Air Leakage Notes:

Domestic Hot Water

Fuel:

TypeE\*Tank Volume

Exhaust Fans

Number of:

Bathroom Fans

Kitchen Fans

Utility Fans

DHW/Combo-Manufacturer:

DHW/Combo - Model:

Cooling system

Type: CentralWindowN/A

COPSEER

If central system is ENERGY STAR, provide:

Make:

Condenser model #:

Evaporator model #:

AHRI #

If window-mounted systems, provide:

Count of all units:

Quantity of ENERGY STAR units:

Water saving

Total # of toilets installed:

# of low-flush toilets installed:

Make / model if low-flush:

Drain water heat recovery

# Installed:Efficiency:

Minimum air leakage checklist

Attic hatch

At least one window

At least one exterior door

At least one light fixture in the upper level ceiling

At least one electrical outlet on an exterior wall

Sill and header along basement perimeter

Fireplace (if present)

Attached garage (if present)

If vermiculite insulation is present:

All upper level ceiling penetrations.

All openings and penetrations in exterior walls.

Exhaust devices depressurization test performed?:

Initial pressure:Pa

Final pressure:PaResult:Pa

Upgrade recommendations

Heating:

ESTAR gas furnaceDC Motor

ESTAR gas boiler

ESTAR oil furnaceDC Motor

ESTAR air-source HP

ASHP / Earth-energy system

Install 5 electronic thermostats

Replace wood appl. w/EPA cert.

Air sealing:

Improve airtightness

Ventilation / Cooling:

Install/replace HVI cert. HRV/ERV

Replace central AC with ESTAR

Replace window AC with ESTAR

Insulation:

Increase attic insulation to R

Increase slope/flat roof insulation to R

Increase wall insulation by R

Increase foundation wall insulation by R

Seal & increase basement header by R

Increase crawlspace wall insulation by R

Windows / doors:

Replacewindows with E\*

Replaceexterior doors with E\*

Misc:

Replacetoilet(s) with low-flush model(s)

Increase exposed floor insulation by R

DHW:

Replace DHW with instantaneous unit

Replace DHW with condensing unit

Install solar DHW

Install Drain water recovery

NOTES:

Atypical Loads:

De-icing

Heated Garage

Hot Tub

Exterior Lights

Swim Pool

Mixed Use

Room AC

Upgrade Notes:

Height of highest ceiling

Window Well depth

B/Wall Above Grade

Pony Wall height

Basement Header

1st Flr Height

2nd Flr Height

2nd Flr Header

3rd Flr Height

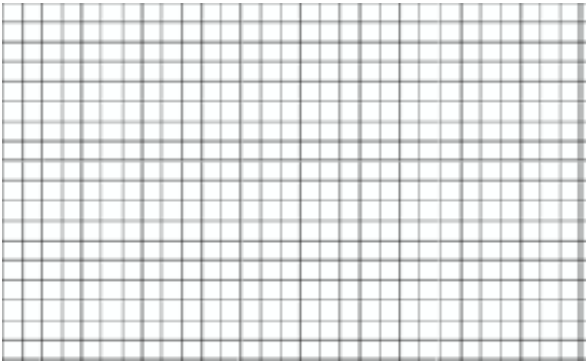
3rd Flr Header

TOTAL

EXTERIOR

P=

A=



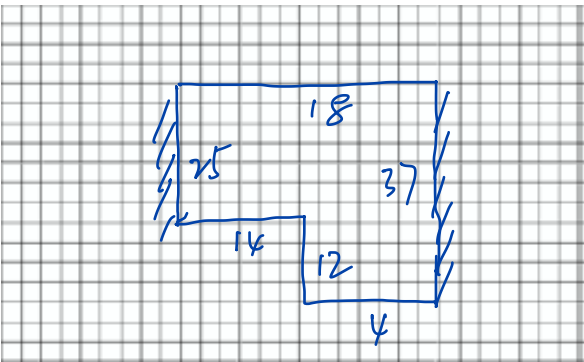
Note:

FOUNDATION

P=

A=

V=



H=

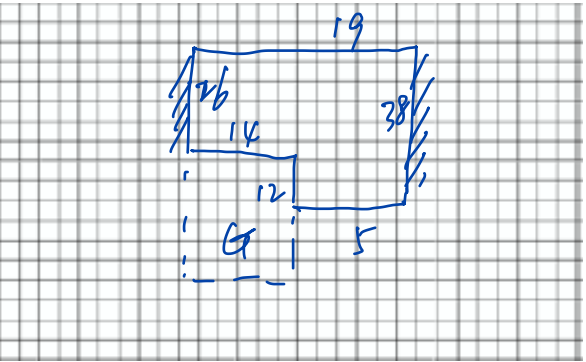
Note:

MAIN FLOOR

P=

A=

V=



H=

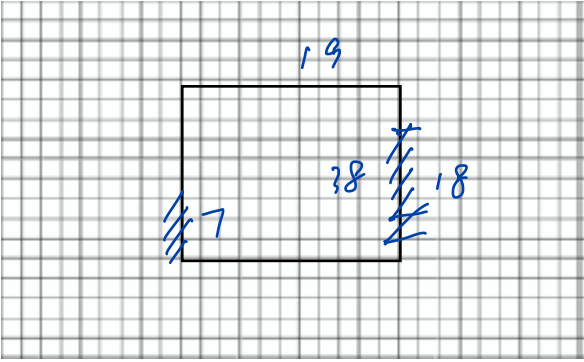
Note:

2ND FLOOR

P=

A=

V=



H=

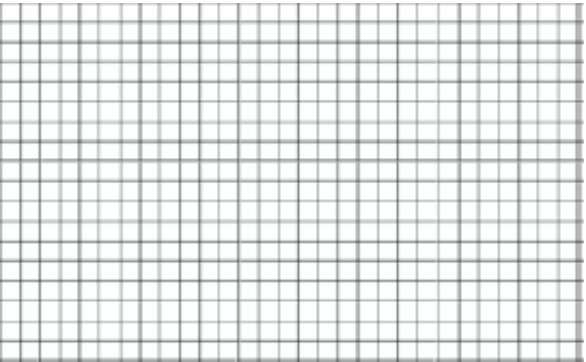
Note:

3RD FLOOR

P=

A=

V=



H=

Note:

NOTES:

## Doors Data Collection

[illegible]

## Windows Data Collection

[illegible][illegible]

<b>Type:</b>	P - Picture	H - Hinged	S - Slider with sash	<b>Frame:</b>	V - Vinyl	W - Wood	M - Metal
	PD - Patio Door		SL- Skylight		1 - Single	2 - Double	



## Home Efficiency Rebate Terms and Conditions – June 2021

You, the participant, must review and agree to the following terms and conditions (the “Terms and Conditions”) for the Home Efficiency Rebate program delivered by Enbridge Gas Inc. Please note, before you agree to these Terms and Conditions, Enbridge Gas Inc. may change any term including the rebate amount without prior notice. The terms, including the full rebate amount, applicable to you will be those offered at the time of project completion and agreement to these Terms and Conditions. Full terms and conditions including eligibility criteria are available for review at [enbridgesmartsavings.com/homerebate](http://enbridgesmartsavings.com/homerebate)

### 1. Disclosure; Consent To Use Information

As a participant in the Home Efficiency Rebate program, I consent to the collection, use and disclosure of my personal information by Enbridge Gas Inc. for the purposes of administering my participation in the program. Enbridge Gas Inc. may collect and use my personal information for the purposes of reporting on the program, determining eligibility for the program, sending follow-up surveys, conducting studies, audits, evaluations or other verifications related to this program and for such other purposes lawfully permitted by privacy laws. I further understand that my name, mailing address and aggregated savings information may also be shared with my local electricity distributor so that they can contact me about related programs, and with other governmental authorities as permitted by privacy laws. In connection with my participation in the Home Efficiency Rebate program, I understand that Enbridge Gas Inc. may contact me directly, including by email or phone, for the above purposes. If you have any questions or to withdraw your consent, contact Enbridge Gas Inc. by mail attention Privacy Officer at Enbridge Gas Inc. 500 Consumers Rd, North York ON, M2J 1P8

Pursuant to Canada’s anti-spam legislation, Enbridge Gas Inc., hereby requests your express consent to contact you at the electronic address or phone number listed in this acknowledgement with information about future conservation programs, or additional Enbridge Gas Inc. programs and services such as paperless billing. Please confirm your consent by signing this document. You may reach Enbridge Gas Inc. by mailing the Privacy Officer at address above

### 2. Natural Gas Savings

As a participant, I agree that Enbridge Gas Inc. is entitled to claim the natural gas savings arising out of the Qualifying Measures that receive a rebate from Enbridge Gas Inc. for the purpose of reporting to the Ontario Energy Board.

### 3. Evaluation, Monitoring and Verification; Audit

As a participant, I agree upon request by Enbridge Gas Inc. or its authorised program delivery agents to participate in any survey, studies, audits, evaluations or verifications conducted by Enbridge Gas Inc. or its authorised program delivery agents in connection with the Home Efficiency Rebate program, including for the purposes of the proper administration, other program participation (as noted in Section 6 below), monitoring and verification of these Terms and Conditions or evaluation of the program, and will provide to them reasonable access to participant records and facilities for such purposes.

### 4. Provision of Products and/or Services by Others

A registered energy advisor (“REA”) may offer, or refer me to contractors that can offer, energy efficiency products and/or services, including Qualified Measures. I understand and acknowledge that the provision and installation of these products and/or services is unrelated to the Home Efficiency Rebate program and I am under no obligation to proceed/purchase the products or services offered by any REA or REA-referred contractor. Enbridge Gas Inc. is not affiliated with nor does it endorse or recommend any products and/or services offered by any REA or REA referred contractor. Additionally, Enbridge Gas Inc. does not make any warranty for the suitability and use of these products and/or services, and it shall not be held responsible for any claim, damage, direct or indirect, special or consequential incurred by the use of the product and/or service offered by any REA or REA referred contractor.

### 5. Indemnity

As a participant in the Home Efficiency Rebate program, I certify that I will (i) indemnify and save harmless each of the partners in delivering this program and their respective directors, officers and employees from any and all liability and all claims, losses, damages (including indirect or consequential damages), expenses and proceedings for personal injury (including death) or property damage of any person relating to, in connection with, resulting from, or arising out of the initiative or any other matter contemplated by these Terms and Conditions and (ii) hereby release and forever discharge Enbridge Gas Inc., from any and all manner of action and inaction, cause or causes



of action, suits, debts, dues, sums of money, claims and demands whatsoever at law or in equity arising out of, or which are in any way related to, the initiative or any other matter contemplated by these Terms and Conditions.

#### 6. Other Program Participation

I certify that I have not applied for, nor will apply in the future for, rebates from the Canada Greener Homes Grant, other government programs or similar programs for the same qualifying energy efficiency improvements for which I will apply to receive rebates through this Home Efficiency Rebate program. For further clarity, I have not and will not apply for rebates for the same home energy assessment costs, heating system, water heating system, insulation upgrades, air sealing or the same windows or doors.

I agree that Enbridge Gas Inc. can share the information I provide under this program with other organizations for purposes of determining my eligibility for a rebate.

Participant Initials: SM

#### 7. Miscellaneous

Except as otherwise provided, these Terms and Conditions constitute the entire agreement between you and Enbridge Gas Inc., in connection with its subject matter and supersede all prior representations, communications, negotiations and understandings, whether oral, written, express or implied, concerning the subject matter of these Terms and Conditions. These Terms and Conditions may not be varied, amended or supplemented except by an agreement by Enbridge Gas Inc. These Terms and Conditions will be governed by and construed in accordance with the laws of the Province of Ontario and the federal laws of Canada applicable therein. These Terms and Conditions will enure to the benefit of and are binding upon you and Enbridge Gas Inc. and the respective successors and permitted assigns of you and Enbridge Gas Inc. These Terms and Conditions will not be assigned by you to another person. You will, from time to time, on written request by Enbridge Gas Inc., do all such further acts and execute and deliver or cause to be done, executed and delivered all such further things as may be reasonably required in order to fully perform and to more effectively implement these Terms and Conditions. The invalidity, unenforceability or illegality of any provision in these Terms and Conditions will not, to the extent permitted by applicable law, affect the validity, enforceability or legality of any other provision of these Terms and Conditions, which will remain in full force and effect. The insertion of headings is for convenience of reference only and will not affect the interpretation of these Terms and Conditions. The terms "hereof", "hereunder", and similar expressions refer to these Terms and Conditions and not to any particular section or other part of these Terms and Conditions. The word "including" means "including without limitation", and the words "include" and "includes" have a corresponding meaning.

Participant name:  
(please print)

\_\_\_\_\_

Phone #: \_\_\_\_\_

Signature:

Shinong Mao

Email: \_\_\_\_\_

Account #

\_\_\_\_\_

Date: \_\_\_\_\_

Service Organization:

Ridge Energy

File #: \_\_\_\_\_

Energy Advisor Name:

XIA LI

Energy Advisor Signature:

[Signature]

Date: \_\_\_\_\_

Natural Resources Canada (NRCan) EnerGuide Rating System (ERS) Evaluation Authorization Form  
Ressources naturelles Canada (RNCan) Système de cote ÉnerGuide (SCE) Formulaire d'autorisation d'évaluation

Application No. - N° de demande

Please print - Prière d'écrire en lettres moulées

House File No. - N° de fichier  
pour la maison

Name of Property Owner - Nom du propriétaire

<input type="checkbox"/> M. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Mme <input type="checkbox"/> Mlle	First name - Prénom	Last name - Nom
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Civic Address - Adresse municipale

Street address - N° et rue	City - Ville	Prov./Terr.	Postal code - Code postal
Municipal tax roll no. - N° de rôle aux fins de l'impôt foncier			
Telephone no. (including area code) where property owner can be reached during the day N° de téléphone (y compris l'indicatif régional) où le propriétaire peut être joint pendant la journée			

Mailing Address (if different from above) - Adresse postale (si elle diffère de celle indiquée ci-dessus)

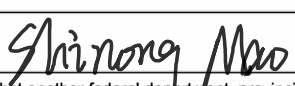

Street address - N° et rue	City - Ville	Prov./Terr.	Postal code - Code postal
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Notice to Property Owner - Avis au propriétaire


<p>This dwelling has been examined by a qualified energy advisor based on the NRCan residential energy assessment protocol's standard operating conditions. The report represents the advisor's best judgement given the information and time available. The purpose of the evaluation is to assess the energy efficiency of the dwelling; it is not meant to replace a full house inspection. NRCan makes no warranty, expressed or implied, with respect to the energy consumption figures, cost estimates or energy efficiency recommendations included in this assessment. Actual energy consumption and costs depend on a host of factors beyond the control of NRCan.</p>	<p>Un conseiller en efficacité énergétique qualifié a examiné l'habitation en se fondant sur les conditions de fonctionnement normales du protocole pour l'évaluation énergétique de RNCan. Ce rapport reflète la meilleure opinion du conseiller, compte tenu de l'information et du temps dont il disposait. L'objectif de l'évaluation est d'évaluer le rendement énergétique de l'habitation. Cette évaluation ne vise toutefois pas à remplacer une inspection complète. RNCan n'offre aucune garantie, explicite ou implicite, quant aux données de consommation d'énergie, aux coûts prévisionnels ou aux recommandations relatives à l'efficacité énergétique figurant dans cette évaluation. La consommation réelle d'énergie et les coûts afférents dépendent d'un certain nombre de facteurs indépendants de la volonté de RNCan.</p>
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Certifications by Property Owner and Release of Information

Attestation par le propriétaire et communication de renseignements

<p>I certify that</p> <ul style="list-style-type: none"> <li>- I am the owner of the above-noted property.</li> <li>- I assume all responsibility for the selection of products and services used in these renovations, and for obtaining all applicable permits and paying all applicable taxes on work performed.</li> <li>- I understand that NRCan does not endorse the services of any contractor or any specific product and accepts no liability in the selection of materials, products, contractors or performance or workmanship.</li> <li>- I understand I am responsible for verifying the eligibility criteria for any program associated with the energy assessment.</li> </ul> <p>The data collected in the electronic file will be provided to NRCan for the purpose of statistical analysis and quality assurance. Personal information on this form is being collected in order to confirm property ownership and address. Personal information will be protected under the <i>Privacy Act</i></p>	<p>Je certifie que :</p> <ul style="list-style-type: none"> <li>- Je suis le propriétaire de la propriété décrite ci-dessus.</li> <li>- J'assume l'entière responsabilité du choix des produits et services dont j'ai besoin pour mes rénovations. Je m'assure d'obtenir tous les permis nécessaires et de payer les taxes appropriées sur les services rendus.</li> <li>- Je comprends que Ressources naturelles Canada n'approuve ou n'appuie aucun produit ou services d'entrepreneurs en particulier et n'est pas responsable de la sélection des matériaux, des produits, des entrepreneurs, ou du rendement ou de la qualité des travaux effectués.</li> <li>- Je suis responsable de vérifier quels sont les critères d'admissibilité à tout programme en lien avec l'évaluation énergétique.</li> </ul> <p>Les données recueillies dans le fichier électronique seront transmises à Ressources naturelles Canada à des fins d'analyse statistique et d'assurance de la qualité. Les renseignements personnels recueillis par ce formulaire servent à confirmer le droit de propriété et l'adresse. Les renseignements personnels sont protégés en vertu de la Loi sur la protection des renseignements personnels.</p>
Signature 	Date
In the event that another federal department, provincial/territorial or municipal government, or a utility company that has an agreement with NRCan offers a homeowner benefit based on the NRCan assessment, I authorize NRCan to provide my personal information directly to this party.	Dans l'éventualité où un autre ministère fédéral, gouvernement provincial, territorial ou municipal, ou entreprise de services publics ayant une entente avec RNCan offrirait un bénéfice au propriétaire en fonction de l'évaluation de RNCan, j'autorise RNCan à communiquer mes renseignements personnels directement à cette partie.
Signature 	Date

Certification by Energy Advisor - Attestation du conseiller en efficacité énergétique

<p>I performed the evaluation of the residential property referenced by the above-noted file number and confirm that the information contained on this form is identical to the information in the electronic file being transferred to NRCan.</p>	<p>J'ai réalisé l'évaluation de la propriété correspondant au numéro de fichier susmentionné et je confirme que l'information contenue dans cette demande est identique aux données apparaissant dans le fichier électronique transmis à RNCan.</p>
Signature 	Date
	Office use - Usage RNCan

PERSONAL INFORMATION PROVIDED ON THIS FORM IS PROTECTED UNDER THE PROVISIONS OF THE PRIVACY ACT AND IS MAINTAINED IN A PERSONAL INFORMATION BANK, NRCan/P-PU-141.  
LES RENSEIGNEMENTS PERSONNELS SOUMIS DANS CE FORMULAIRE SONT PROTÉGÉS EN VERTU DES DISPOSITIONS DE LA LOI SUR LA PROTECTION DES RENSEIGNEMENTS PERSONNELS ET SERONT CONSERVÉS DANS UNE BANQUE DE RENSEIGNEMENTS PERSONNELS, RNCan/P-PU-141.