

# GEOEXCHANGE SYSTEM INSTALLATION APPLICATION

## SECTION 1 – PROJECT SITE INFORMATION

Office Use Only

POSSE Project No. \_\_\_\_\_

**Project Address:** (Provide at least one of the following) – Please note: it can not be an intersection

PROJECT ADDRESS (MUNICIPAL): \_\_\_\_\_

LEGAL DESCRIPTION \_\_\_\_\_ PLAN: \_\_\_\_\_ BLOCK: \_\_\_\_\_ LOT(s): \_\_\_\_\_

## SECTION 2 – APPLICANT INFORMATION

Posse Customer ID for Applicant: (if known) \_\_\_\_\_

APPLICANT / CONTACT NAME: \_\_\_\_\_

**As the applicant I affirm:**

- ☐ I am the registered owner of the above noted property
- ☐ I have entered into a binding agreement to purchase the above noted property with the registered owner(s).
- ☐ I have permission of the registered owner(s) of the above property to make the attached application for a Development Permit.
- ☐ I have permission of the registered owner(s) of the above noted property to make the attached application for a Combination Permit, which includes an application for a Development Permit and Building Permit.

BUSINESS NAME (IF APPLICABLE): \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_

PROVINCE: \_\_\_\_\_ POSTAL CODE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

PHONE #: \_\_\_\_\_ FAX #: \_\_\_\_\_ CELL #: \_\_\_\_\_

**Signature :** \_\_\_\_\_ **Date:** \_\_\_\_\_

## SECTION 3 – APPLICATION REQUIREMENTS

**For Part 9 compliance, the following information must be submitted:**

- ☐ Site plan, showing GeoExchange system layout along with existing & proposed underground services
- ☐ Bore field design, including # bores, bore depth, bore spacing, piping type, fluid type, & grout type
- ☐ Copy of Installer's Canadian GeoExchange Coalition (CGC) or International Ground Source Heat Pump Association (IGSHPA) accreditation certificate
- ☐ Bore field design heating & cooling capacity (Peak Hour & Annual Rejected/Extracted Energy)
- ☐ Design must be compliant with CSA C448.2, and must be reviewed & sealed by an APEGA-licensed-engineer

**For Part 6 compliance, the following information must be submitted:**

- ☐ Site plan, showing GeoExchange bore field, along with existing & proposed underground services
- ☐ Bore field design, including # bores, bore depth, bore spacing, piping type, fluid type, & grout type
- ☐ Ground Thermal Conductivity test report (as per CSA C448.1)
- ☐ Copy of Installer's Canadian GeoExchange Coalition (CGC) or International Ground Source Heat Pump Association (IGSHPA) accreditation certificate
- ☐ Design must be compliant with CSA C448.1. System must be designed & sealed by an APEGA-licensed-engineer.
- ☐ Supply ABC Schedules A-2, B-1, & B-2.

Personal Information required by City of Edmonton application forms is collected under authority of sections 33(a) and (c) of the Alberta Freedom of Information and Protection of Privacy (FOIP) Act. Your personal information will be used to process your application(s). Please be advised that your name, address and details related to your permit may be included on reports that are available to the public as required or allowed by legislation. If you have any questions, please contact a Service Advisor at the Current Planning Service Centre at 780-442-5054.

## **GENERAL INFORMATION REGARDING GEOEXCHANGE SYSTEM INSTALLATION APPLICATIONS**

GeoExchange systems do not require a development permit as long as they meet the exemptions under Section 12 of the Edmonton Zoning Bylaw. However, the applicant is obligated to conform with other legislation, bylaws, or land title instruments such as the Municipal Government Act, the Edmonton Safety Code Permit Bylaw, or any caveats, covenants, or easements that might be attached to the Site (Section 5.2 of the Edmonton Zoning Bylaw). Additional requirements exist for projects within the River Valley and Ravine System (Section 14.1 of the Edmonton Zoning Bylaw).

This application form provides the City of Edmonton with sufficient information about the proposed GeoExchange system to ensure building code and industry best practice compliance of any buildings it may connect to.

### **FEES**

No fees apply for this application.

### **HOW IS THIS APPLICATION ASSOCIATED WITH OTHER PERMITS?**

This form needs to be attached to any building mechanical permit applications which will connect to this system. If no building is to be connected at this time, this form should be submitted for reference on future permit applications.

### **HOW MUST THIS APPLICATION BE SUBMITTED?**

Applications can be made in person at 5<sup>th</sup> floor, HSBC Bank Place, 10250-101 street NW, Edmonton, Alberta, T5J 3P4.