

GEO PLUS

GEOTHERMAL PREVENTATIVE MAINTENANCE AGREEMENT

Complete Year-Round Protection for Your Geothermal System

ANNUAL PRICE	VISITS / YEAR	DURATION	REPAIR DISCOUNT	ADD-ON SYSTEM
\$428	2	1 Year	10% Off	\$150/system

Plan Overview

Two dedicated geothermal maintenance visits per year — one in spring before cooling season and one in fall before heating season. Each visit includes a full ground loop check, indoor heat pump inspection, desuperheater service, and COP calculation so you can track your system's efficiency over time.

Geothermal systems are the most efficient heating and cooling technology available, but that efficiency depends on every component working together. The Geo Plus plan gives your system the attention it needs to maintain peak performance year-round.

Membership Benefits

- **Two** geothermal-specific maintenance visits per year (spring cooling + fall heating)•
Ground loop pressure check and fluid level inspection at each visit
- Full indoor heat pump inspection, cleaning, and calibration
- Desuperheater / hot water assist inspection and service (if equipped)
- COP calculation at each visit — track efficiency trends over time
- Written system health report with all readings documented
- **10% discount** on all geothermal service and repair jobs
- Same or next-day priority service scheduling
- Additional geothermal system add-on: **\$150/system**
- Standard dispatch fee applies on service calls

Why Geo Plus?

A single geothermal service call typically runs \$250–\$400. Geo Plus gives you two comprehensive visits — covering both cooling and heating modes — plus the 10% repair discount and priority scheduling. It's the most complete protection available for your geothermal investment.

Already a Dave's HVAC PMA member? Bundle Geo Plus with your existing plan and we'll service everything on the same visits — no extra trip charge.

Your Membership Includes

- **Auto-Scheduling** — We contact you when each visit is due. No reminders needed.
- **Service History Online** — Access your geothermal reports anytime from your phone.
- **Priority Service** — Geo Plus members get first-available scheduling when something goes wrong.
- **6-Month Labor Guarantee** — If a covered issue returns within 6 months, the labor is on us.

Scheduling & Agreement

Prepaid visits must be scheduled Monday–Friday, 9:00 AM – 3:00 PM. Call 405-375-4822 to schedule. By enrolling, you authorize Hartzell's Heat & Air to perform the services described above at \$428/year. Plan duration is 1 year from enrollment.

Customer Signature: _____ Date: _____ Print
Name: _____ Address: _____
Phone: _____ Email: _____

GEO PLUS MAINTENANCE CHECKLIST

Performed twice annually — spring (cooling) and fall (heating). All brands serviced.

Ground Loop System

- Check loop pressure — verify within manufacturer specifications
- Inspect loop fluid level and condition (color, clarity, antifreeze concentration)
- Check loop pump operation, amp draw, and flow rate
- Inspect loop piping connections for leaks at header and unit
- Verify loop entering/leaving water temperatures (EWT/LWT)
- Calculate loop temperature differential under load
- Check flow center valves and hose connections
- Inspect pressure/temperature ports and gauges

Indoor Heat Pump Unit

- Inspect compressor operation — amp draw, sound, and vibration
- Check refrigerant charge — superheat and subcooling readings
- Verify reversing valve operation (heating ↔ cooling switchover)
- Inspect contactors, relays, and electrical connections
- Check capacitor(s) with meter — weak capacitors cause compressor stress
- Inspect and clean indoor coil (evaporator/condenser)
- Check blower motor operation, amp draw, and airflow
- Inspect blower wheel for buildup and clean if needed
- Check air filter condition and replace if needed
- Verify thermostat operation and calibration
- Check auxiliary/emergency heat staging and lockout settings
- Inspect condensate drain and pan — clear if obstructed
- Verify supply/return air temperature differential

Desuperheater / Hot Water Assist (If Equipped)

- Verify desuperheater pump operation, flow rate, and amp draw
- Check hot water output temperature at desuperheater connection
- Inspect all fittings and connections for leaks
- Flush desuperheater heat exchanger if mineral buildup suspected
- Verify proper integration with backup water heater
- Confirm desuperheater is not short-cycling or overheating water

Ductwork & Airflow

- Inspect accessible ductwork for leaks, damage, or disconnections
- Check register and return airflow at key locations
- Verify static pressure is within equipment specifications
- Inspect duct insulation condition in unconditioned spaces

System Performance & Condition Report

- Calculate actual COP from measured data — compare to previous visit
- Document all temperatures, pressures, and electrical readings
- Rate overall system condition: Good / Fair / Monitor / Needs Attention
- Compare current performance to manufacturer specifications
- Estimate remaining useful life of indoor unit and loop system
- Provide recommendations for repairs, improvements, or monitoring

What You Can Do Between Visits

- Change your air filter every 1–3 months — restricted airflow is the #1 cause of geo system stress
 - Keep supply and return vents open and unobstructed in every room
 - Don't set large thermostat swings — geothermal works best with steady temperatures
 - Listen for unusual compressor sounds — humming, clicking, or short-cycling
 - Check your condensate drain periodically — a clogged drain can trigger a system shutdown
- Keep the area around your indoor unit clear for service access
- If your energy bills spike unexpectedly, schedule a tune-up — efficiency may be declining