EEAC Listenting Session: Ground Source Heat Pump Comments

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Summary of Technical Comments that NEGPA will Present During Upcoming EEAC Comment Opportunities

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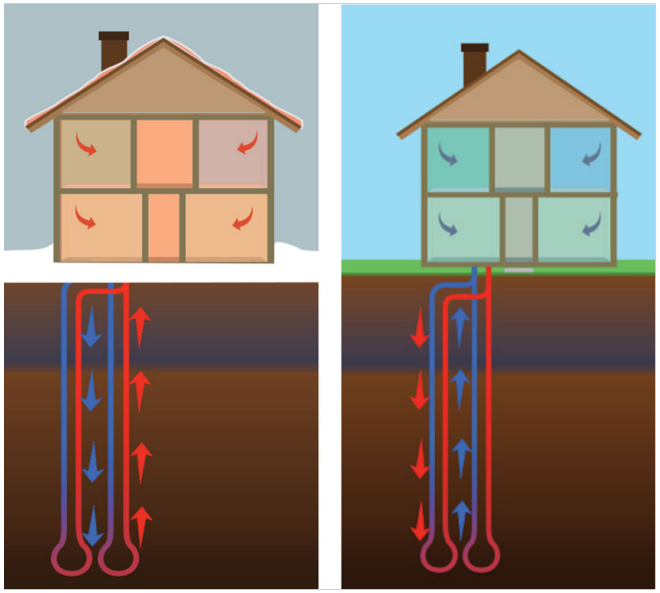
GSHP Operation

★Most Efficient heating, cooling and hot water solution available.

★GSHP is a total heating, cooling solution and can also produced domestic hot water

★Energy Harvested from the Ground for Heating

★Energy Discharged to the Ground for Cooling



Heating **Cooling**

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Upcoming GSHP Technical Comments from NEGPA

1. **GSHPs are Highly Efficient**
   - → Best Available Solution.
   - → More than Double ASHP in our Climate.
   - → Efficiency Ratings for GSHP are 'worst case' unlike optimistic ASHP ratings.
2. **GSHPs are Robust and Saleable**
   - → GSHPs are a total heating and cooling solution.
   - → Structures of any size can use GSHPs
   - → No fossil fuel backup is necessary.
3. **GSHPs Reduce Peak Demand**
   - → Exchange with stable ground temperature not outside air.
   - → Two GSHP Installations operate with power used by One ASHP Installation
4. **GSHPs have Longest Service Life**
   - → GSHP equipment lasts twice as long as competing technologies.
   - → Underground components have extremely long service life.
5. **GSHPs Benefit L/M Income Households**
   - → GSHPs provide the lowest operating cost of available options.
   - → Greatest benefit to L/M Income budgets.
6. **Other GSHP Benefits**
   - → Quiet – no outside equipment.
   - → Eliminates Carbon Monoxide risk from fossil fuels.
   - → Provides high-efficiency air filtration.

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Thank You

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