Tell Your Thermostat to Tell the Energy Efficiency Team that It's Doing Demand Response Today: Results from Digital iDSM

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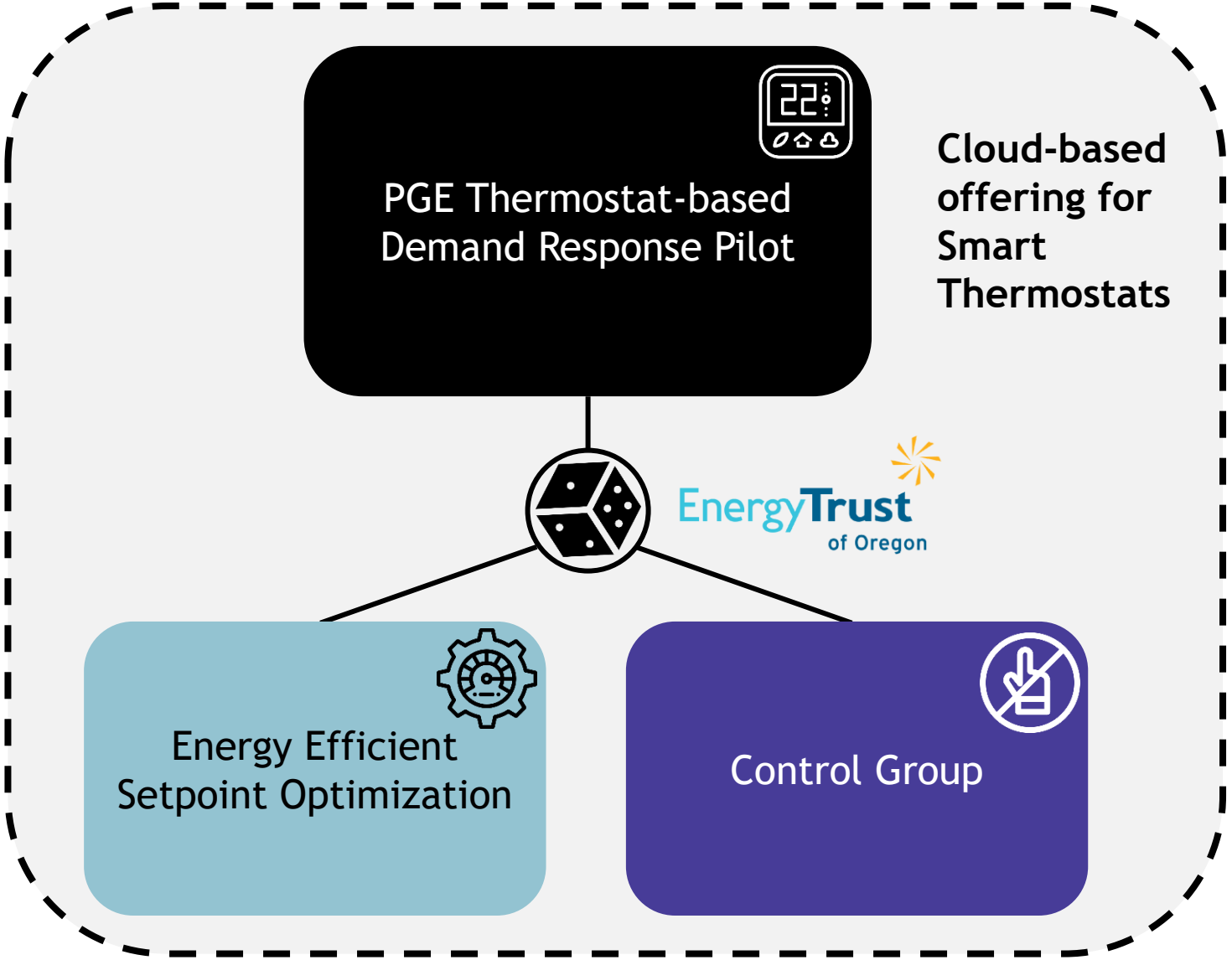
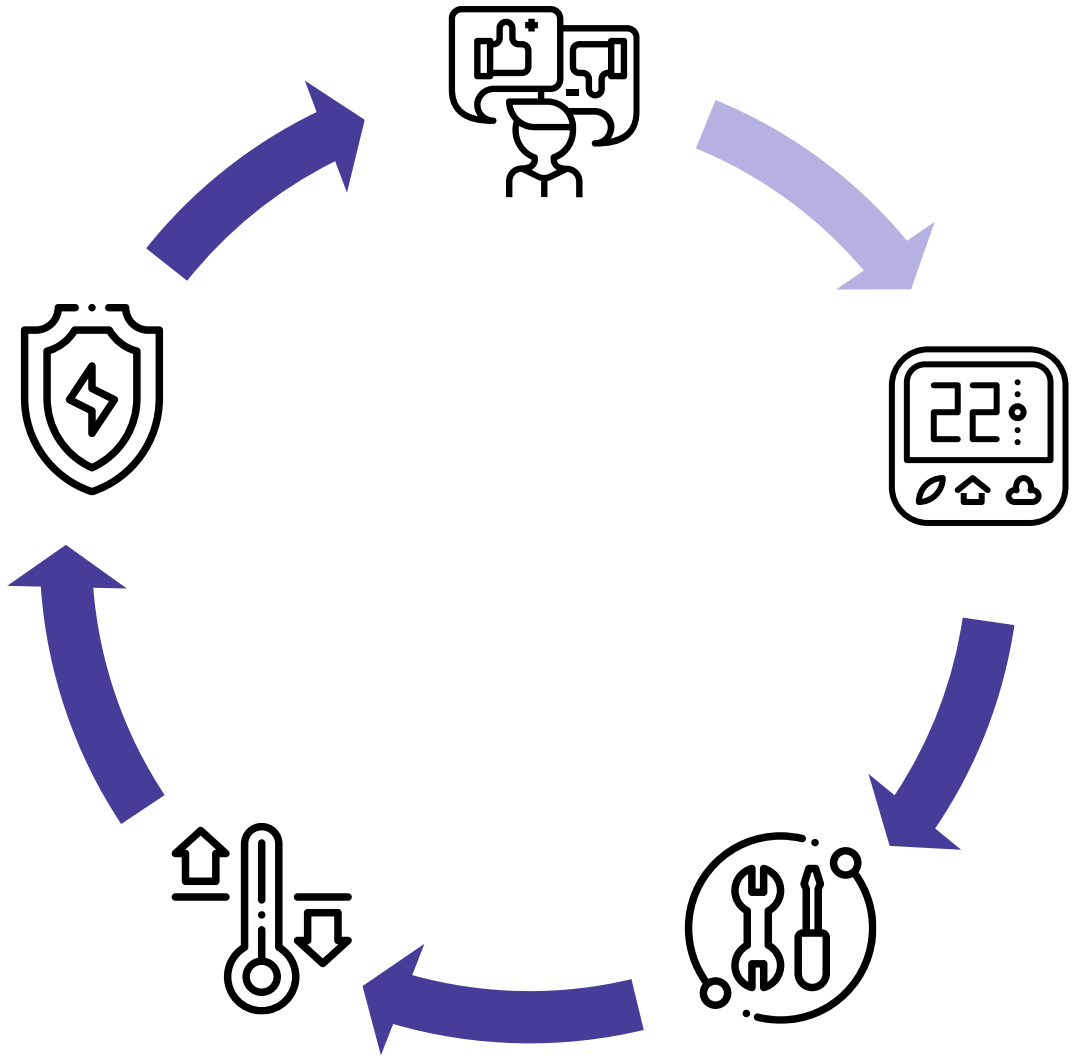
(and Rolling Energy Resources)


PGE Thermostat-based Demand Response Pilot
Cloud-based offering for Smart Thermostats
EnergyTrust of Oregon
Energy Efficient Setpoint Optimization
Control Group

Setpoint Optimization

A Behavioral Tune-Up



Achieved Savings

System	Season	Savings (annual)	Savings (% of heating/cooling)
Gas Furnace	Winter (Heating)	16 therms	3.2%
Electric Furnace		414 kWh	3.2%
Furnace Fan		49 kWh	5.1%
Heat Pump		177 kWh	4.0%
Air Conditioner	Summer (Cooling)	31 kWh	3.9%

However!

- Data Loss
- Priority Conflicts
- Reduced Comfort?

Future Considerations

Questions?

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