Advanced Energy Conference Earth Power...Plugged In

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## Lockport Housing Authority



New York state is known for its commitment to clean energy and reducing CO2 emis-

ASHRAE JOURNAL ashrae.org JUNE 2017



#### Total Site Energy KWH 2013 vs 2015 60% Total Site Energy Savings through Geothermal



# **Energy Consumption Change**

#### 2013 vs 2015 HVAC Energy

13,666

#### **Electric KWH**



(159,101)



# Autumn Garden



#### Total site Demand reduction by Geothermal conversion from electric resistance heat Lockport Housing Autumn Garden's 72 appartments

250.0



#### Lockport Autumn Garden Total Site KWHs 40.7% Energy Savings



### **Carbon Avoidance**

Lifetime tons Co2 avoided

(compared to heating oil)

Heating DHW



## Geo systems

- Significantly avoid Co2 emissions
- Increase grid utilization
- Distributed Energy Resources (DER)
- Nothing shaves the summer peak like a geo system
- Significantly reduce energy intensity
- Provide unmatched efficiency to buildings

Hitting all EAMs/eTIPS allocations with one stone