



GROUND SOURCE HEAT PUMPS/GEOTHERMAL

Increased Velocity

Home & work environments

Builders

Developers

Utilities

WHY GEOTHERMAL?



- ▶ Eliminates the need for outdoor equipment – home, comm/industrial space & housing developments
- ▶ Far superior living & working environment/comfort
 - ▶ Quieter, more consistent airflow and temperatures
- ▶ Eliminates the need for fossil fuel...with on demand hot water options
- ▶ Provides a path to Net Zero (not possible with fossil fuel heating/water heating)
- ▶ Monthly operating cost savings vs. other systems
- ▶ 20+ year system life (ground loop much longer, 50+ warranty)


CLEAN ENERGY – IT'S NOT A MYTH

- ▶ Total Btu Demand = 123.5 Million
- ▶ Total heating kWh 10,547
- ▶ $10,547 \times 3.413 = 35.9$ Million Btu
- ▶ $123.5 - 35.9 = 87.6$ Million Btu's absorbed from the Earth.
- ▶ 70.9% on average free clean energy

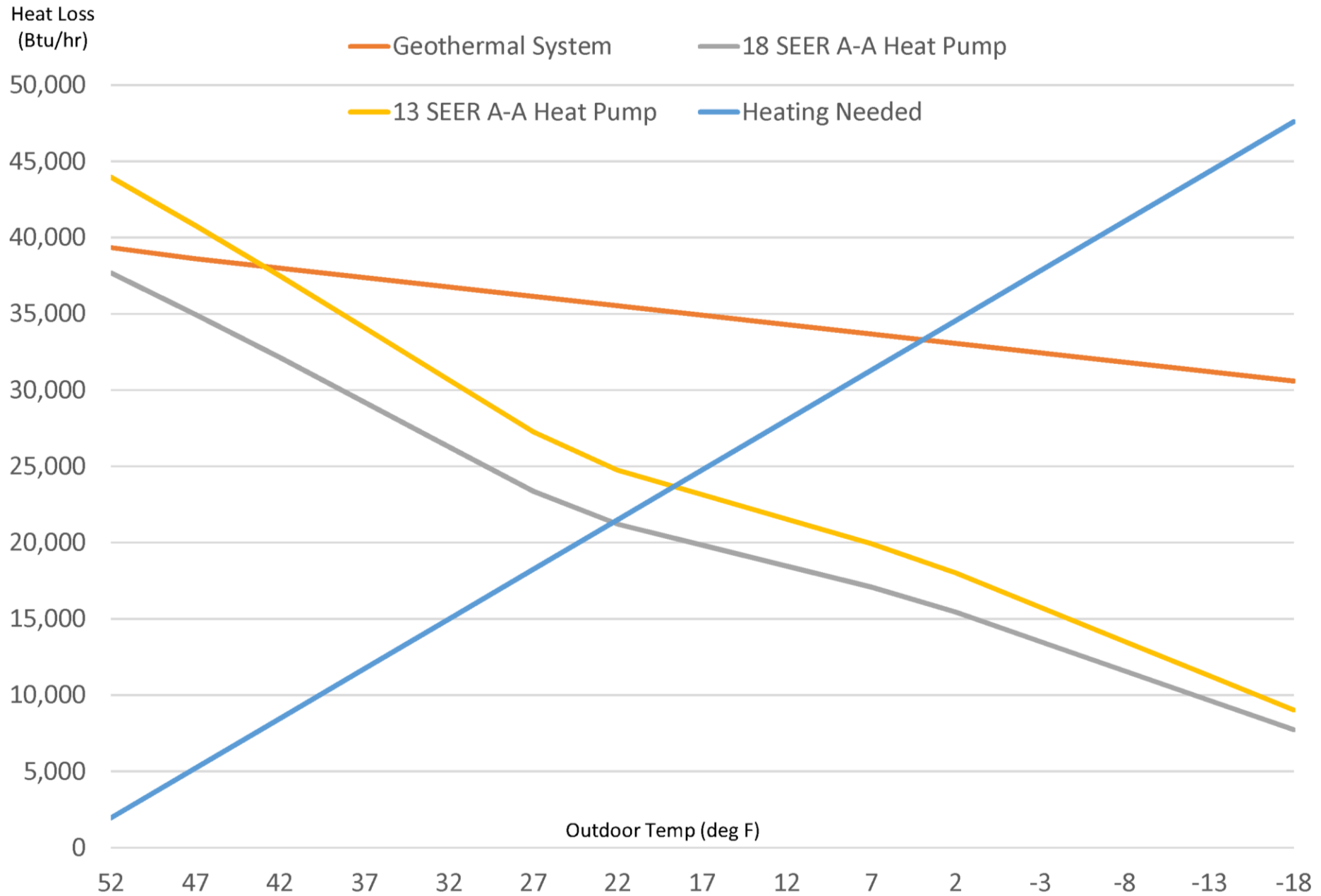
Heating	
Annual Heating Load:	123.5 MMBtu
Electricity (Hydron Module):	10012 kWh
Electricity (Auxiliary):	535 kWh
% by Hydron Module:	98.6 %
Average Efficiency:	3.43 COP
Annual Cost:	\$1002

Hot Water

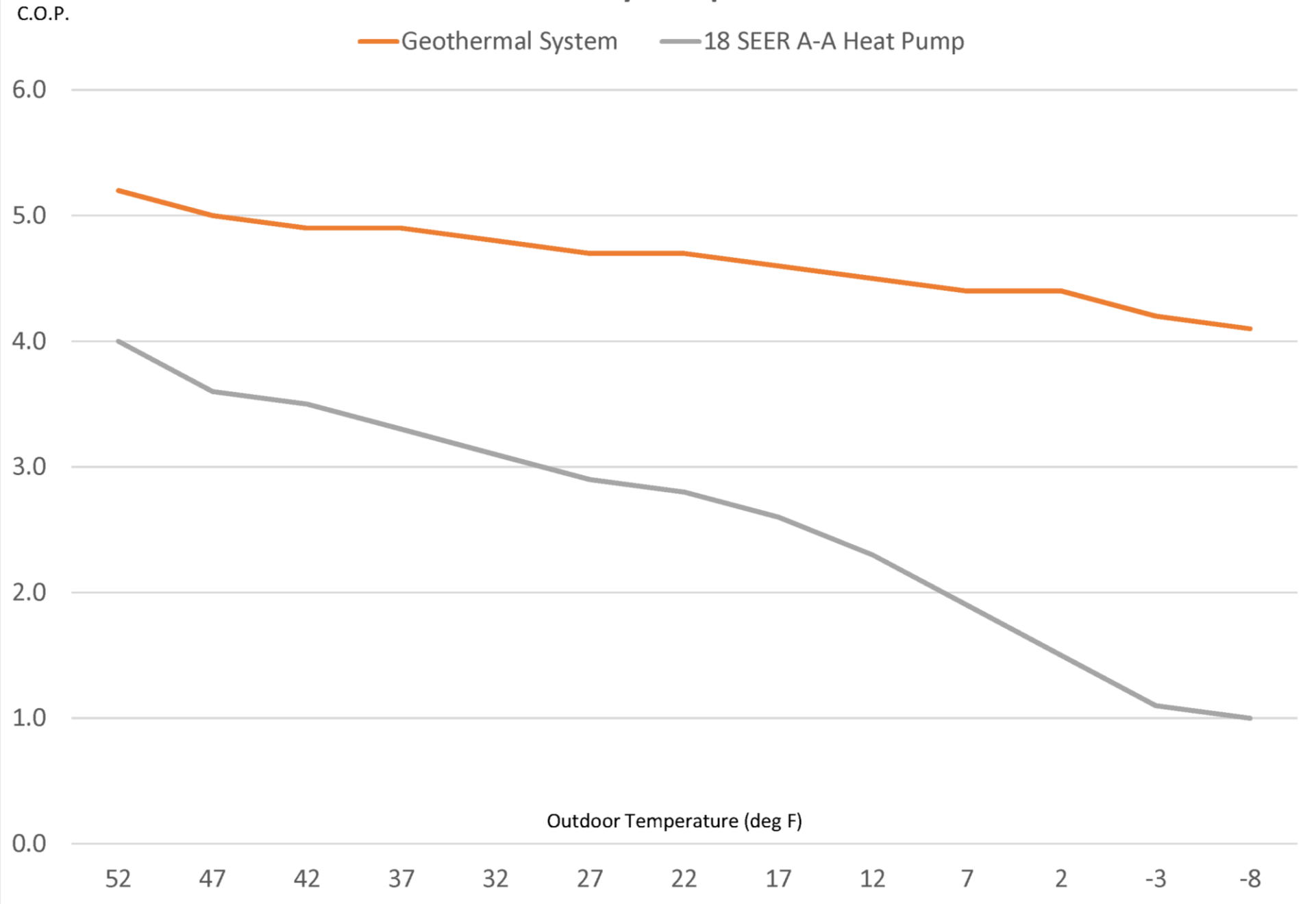
EFFICIENCY / REDUCED DEPENDENCY ON FUELS

- ▶ It's not only about C.O.P, EER or technology
 - ▶ "I asked what time it was, not how to build a watch"
 - ▶ Define our loop as a utility service that never spins an electric meter.
 - ▶ Loop leasing vs. buy-out options
- 

Capacity Comparisons

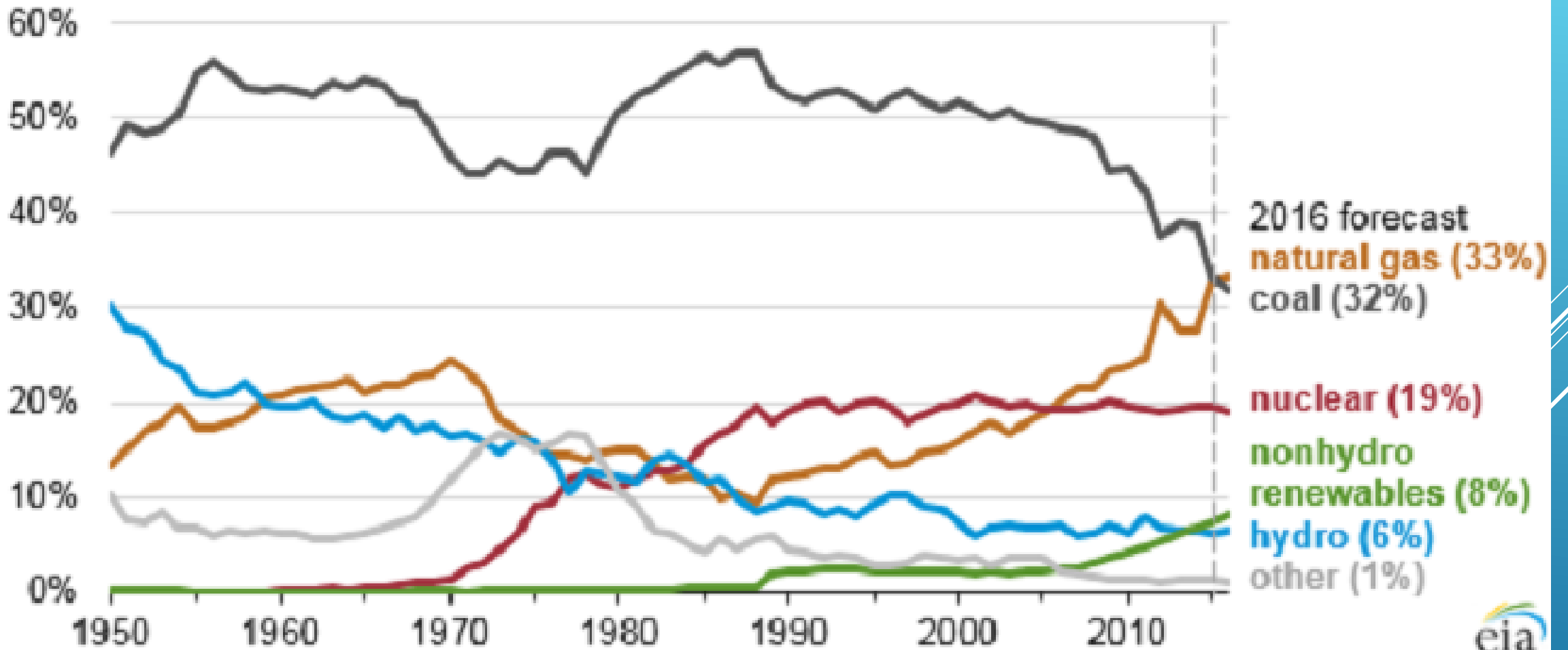


Efficiency Comparison



Annual share of total U.S. electricity generation by source (1950-2016)

percent of total



WHERE ARE WE HEADED?

New York State is implementing a Westchester Clean Energy Action Plan to provide options for businesses and residents affected by Con Edison's gas announcement.

- Lower energy costs for consumers
- Promote economic development in Westchester County
- Deliver additional resources for new construction projects, energy efficiency awareness, and community support

The \$250 million investment is estimated to reduce energy consumption equivalent to the amount of gas needed to heat more than 90,000 homes.

EMISSIONS: The outgoing Tennessee Valley Authority CEO says after closing coal plants the utility expects to get more than 60% of its energy from non-carbon-emitting sources by 2020, up from 50% in 2018. *(Reuters)*

OUR FUTURE...

- Sustainability – CSO (Chief Sustainability Officer)
- More gas moratorium's on the way
- Electro-technologies
- Clean Energy – alternatives to gas line expansion
- Global eyes on Canada & United States – not just Europe

WHISPER VALLEY – 7,500 HOMES & COMMUNITY



FOR IMMEDIATE RELEASE

Taurus Investment Holdings Receives Investment from Shell New Energies for its EcoSmart Solution, LLC Subsidiary

Boston, MA - April 2nd, 2019 - Taurus Investment Holdings, LLC, a global real estate private equity investment firm, announced today Shell New Energies LLC will invest in Taurus's subsidiary EcoSmart Solution, LLC (EcoSmart). EcoSmart is an energy service provider integrating sustainable infrastructure technology in Master Planned Communities.



THANK YOU!

