District
Thinking...And Doing!

Waste Heat Recycling from Clise Properties Datacenter to Amazon Headquarters

Tom Marseille, PE, Hon AIA, LEED Fellow
Jeff Sloan, PE
WHY WASTE HEAT DISTRICT ENERGY?
THE WASTE HEAT RESOURCE
THE WASTE HEAT CUSTOMER
THE CONCEPT
CURRENT PLAN
WESTIN WASTE HEAT SOURCE CONNECTION
INTERCONNECTING
Accrued qualified thermal energy transferred from the Westin Exchange data center to the DOPPLER Building (the first 1,000,000 ft² of Amazon's new Seattle urban highrise campus) for the 12 months beginning August 2015:

This line represents 25% of the eventual annual electrical energy avoidance; once the intended 4,100,000 ft² Seattle campus is complete in 2021.
NOTE: WE ARE JUST THE ENGINEERS!

The Full Cast of Characters Includes:

- Acorn Development (Amazon)
- Westin Building (Clise Properties)
- Eco District LLC (McKinstry)
- WSP | Parsons Brinckerhoff
- NBBJ Architects
- Coghlan Porter Lundeen
- University Mechanical
- ATS Controls
- Seattle Department of Construction and Inspections
- Seattle Office of Sustainability
- The Seneca Group