# District Thinking...And Doing!

Waste Heat Recycling from Clise Properties Datacenter to Amazon Headquarters

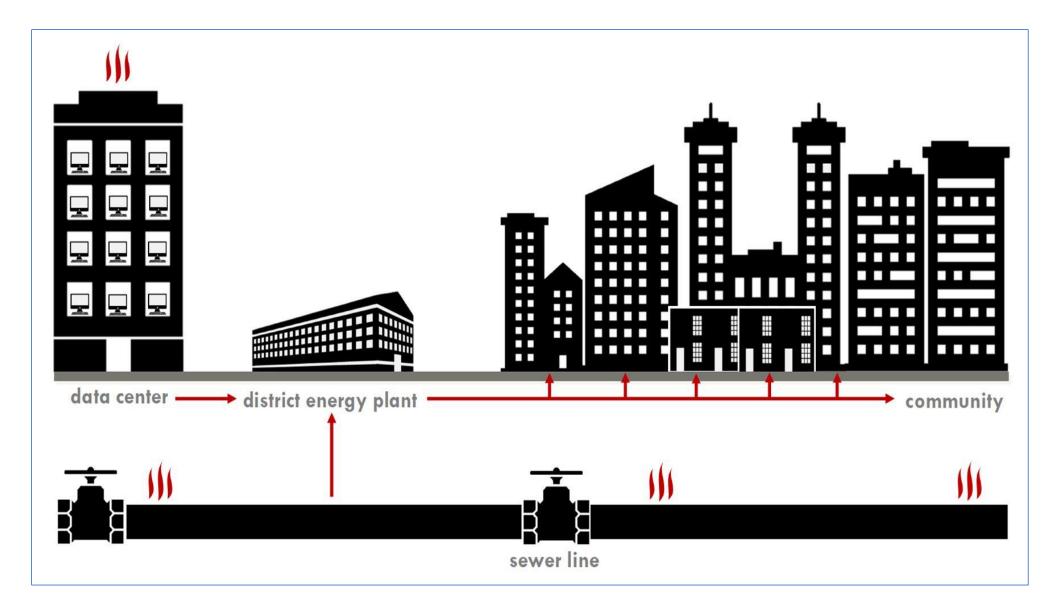
Tom Marseille, PE, Hon AIA, LEED Fellow Jeff Sloan, PE







#### WHY WASTE HEAT DISTRICT ENERGY?

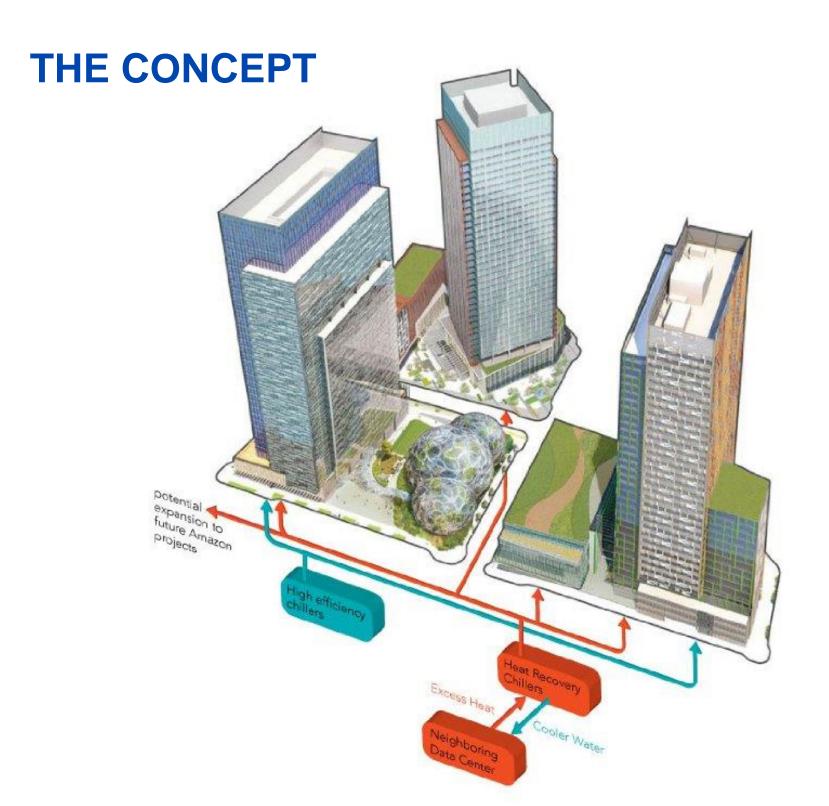


### THE WASTE HEAT RESOURCE

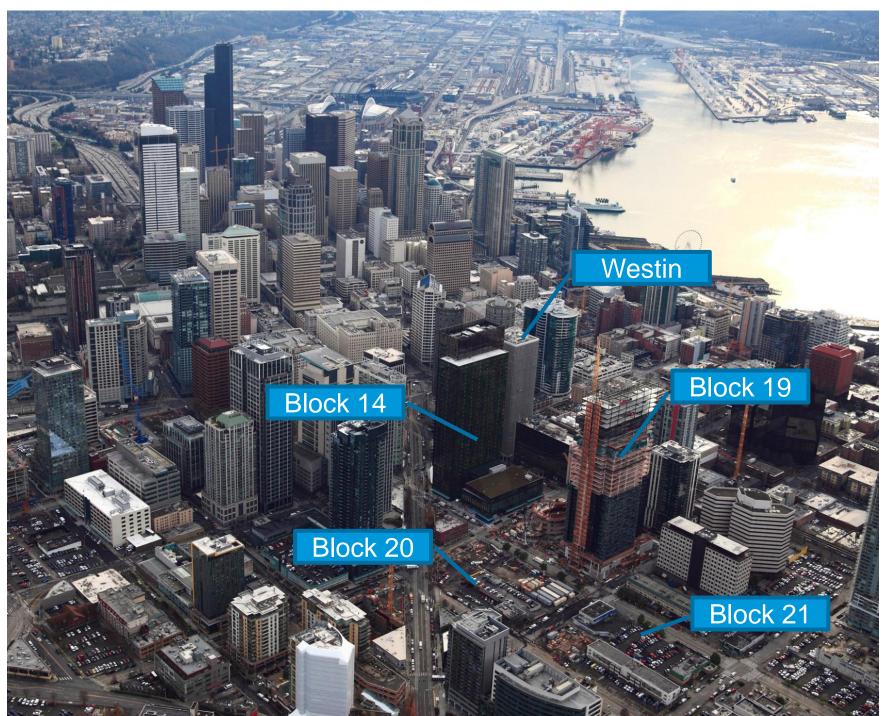


# THE WASTE HEAT CUSTOMER





#### **CURRENT PLAN**



# WESTIN WASTE HEAT SOURCE CONNECTION

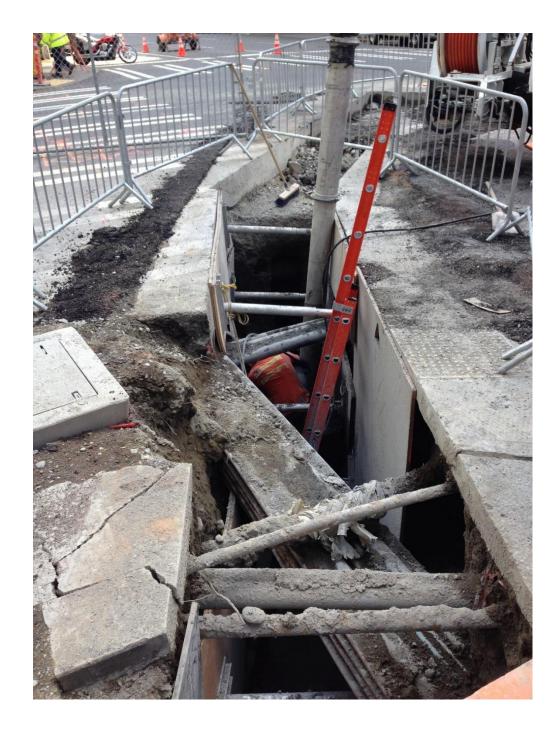
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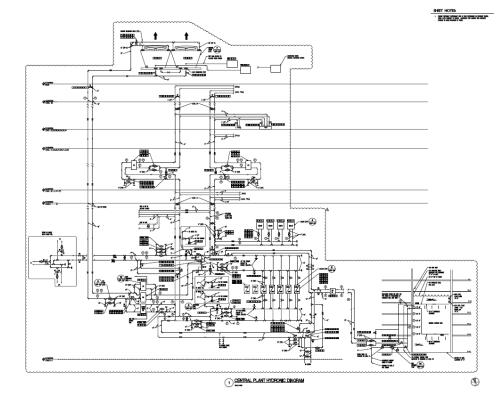
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## INTERCONNECTING



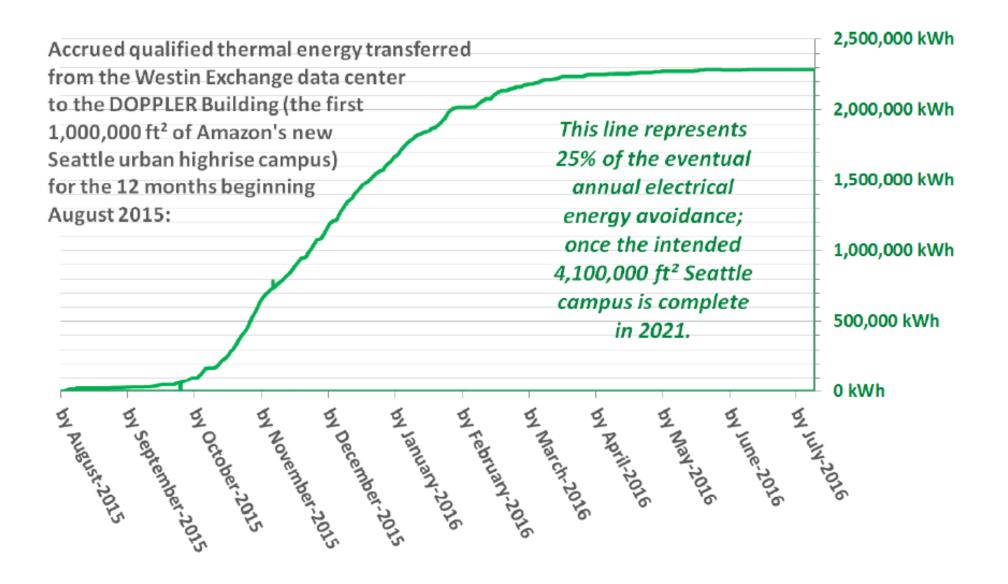


#### **AMAZON BLOCK 14 CENTRAL PLANT**



....... ----...... Carrier

### RESULTS



# **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