

Smart Gas & Smart Water, essential to the smart energy infrastructure

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Research Goals:

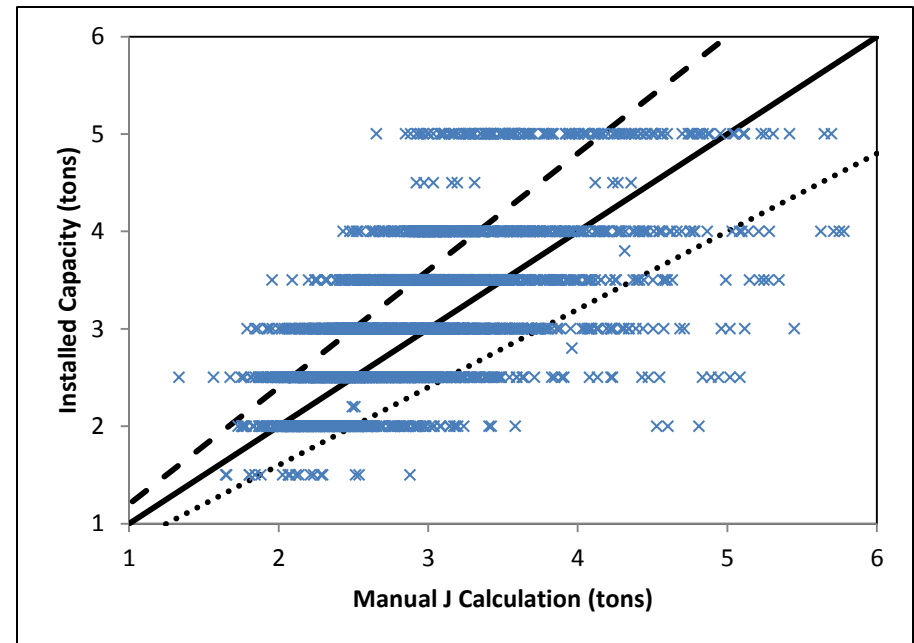
- Systems analysis of smart gas and smart water meters, appliances and business models for the built environment.

- Real Time-Use Data
- Environmental & Efficiency Tradeoffs
- Demand Management
- Distributed Generation



Preliminary Results (real data!):

- ECAD dataset
 - Energy Conservation Audit Disclosure
 - Doris Duke Charitable Foundation
 - Out-of-Mueller baseline (100)
 - Residential HVAC oversizing
 - Manuscript in Progress



Using real-time data and customer feedback to develop models of the smart water and gas distribution network will create incentives for efficient marketplace structures and overall system efficiency.