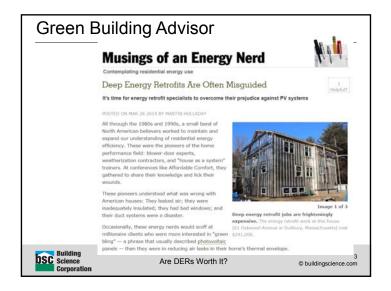
Kohta Ueno November 16, 2017 Are Deep Energy Retrofits Worth It?



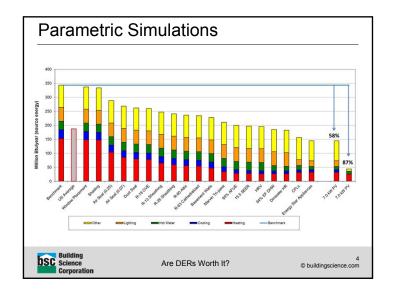
Corporation

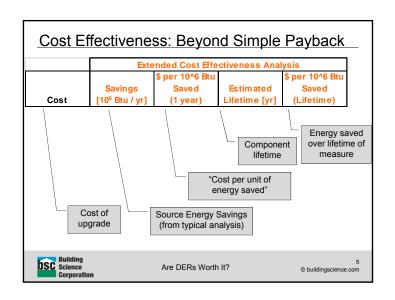
Costs and Savings

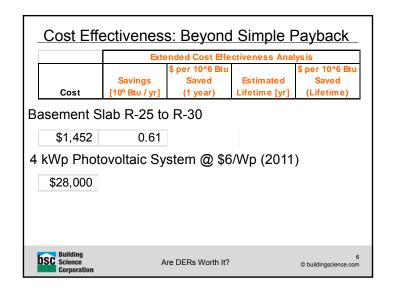












So... Are DERs Worth It?

- Yes, PVs are cheap and getting cheaper!
- Run the numbers: savings vs. PVs worth understanding
- BUT still worth considering:
 - Addressing end-of service life cladding—once in generation upgrade opportunity
 - Fuel costs ≠ accounting for all carbon externalities
 - Dealing with existing moisture issues (damp basements, wall failures)
 - Dealing with existing comfort issues (drafts, windows)
 - Improving wall condensation resistance (running at higher winter RH safely)



