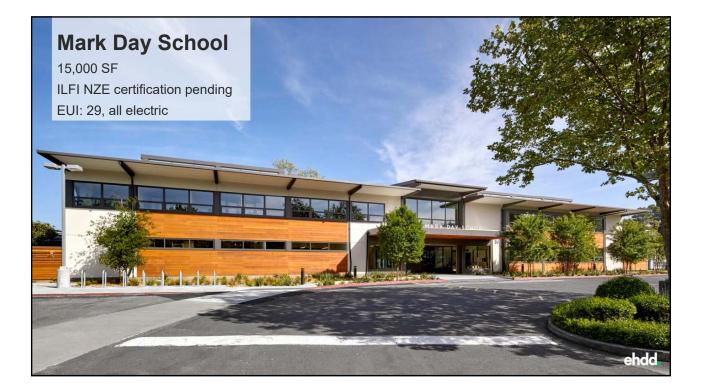




Packard Foundation, 2010

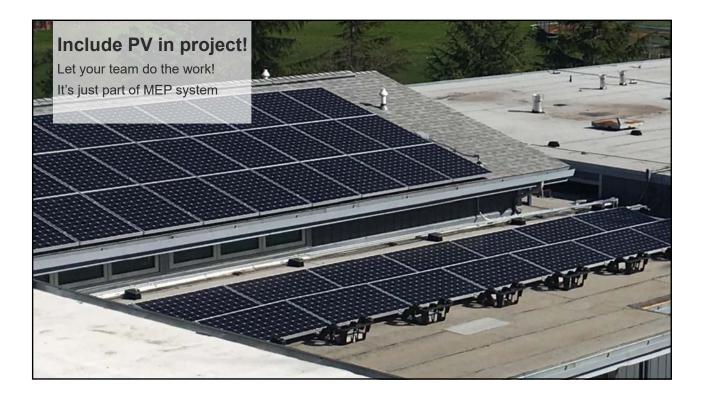
Exploratorium, 2011

ehdd.





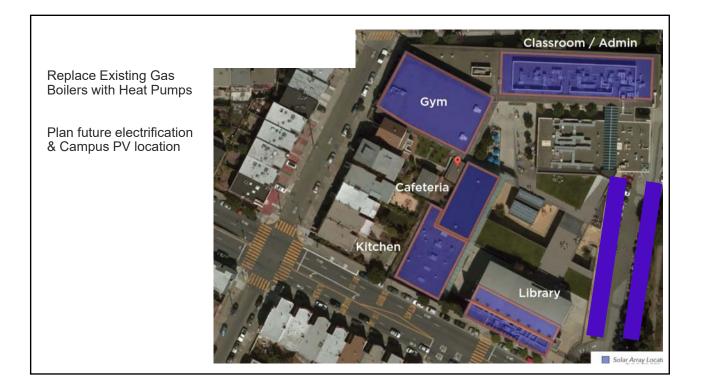


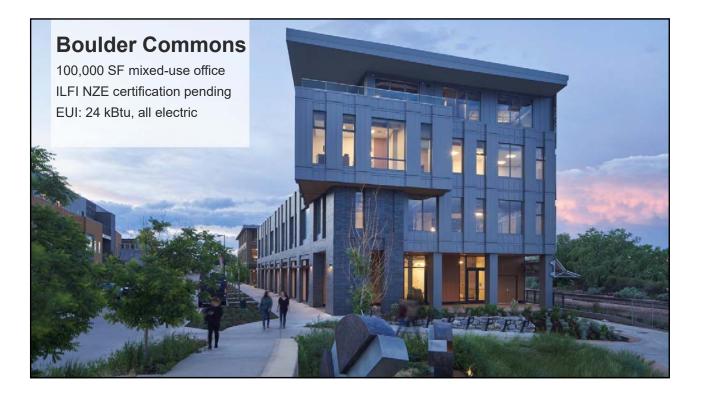














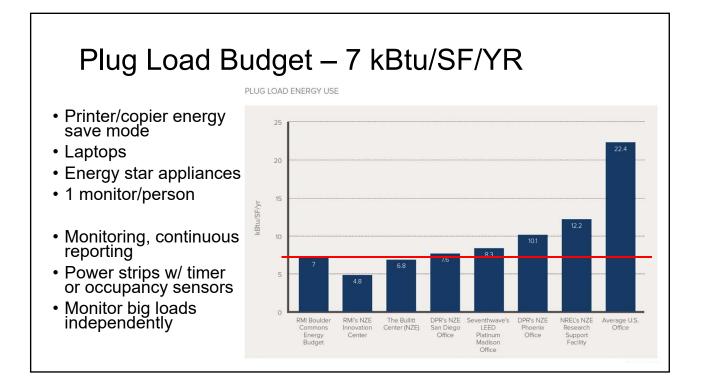


What does a Developer Want? What's in it for them.....?

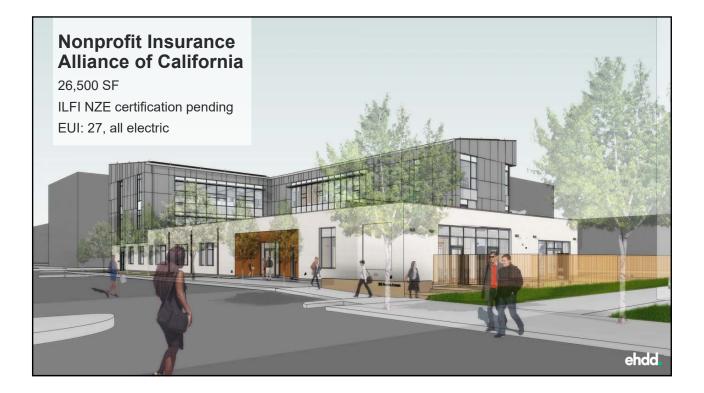
- Lease Rates/Sales Price that create a return on invested capital (8-10%)
- Predictability with regard to operating costs and tenants
- Long-term operating costs lower than competitors
- Long-term Value (high occupancy, appreciation, etc.)

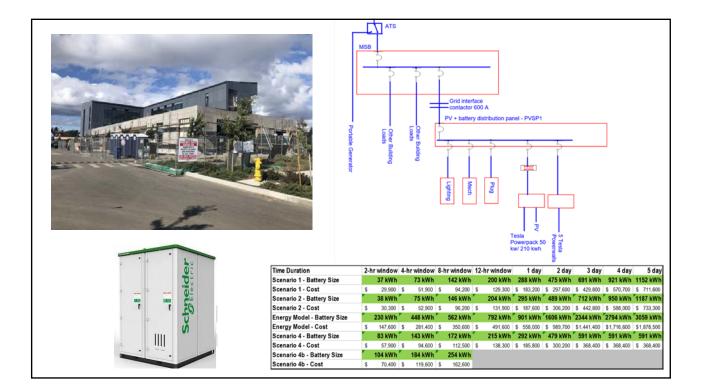




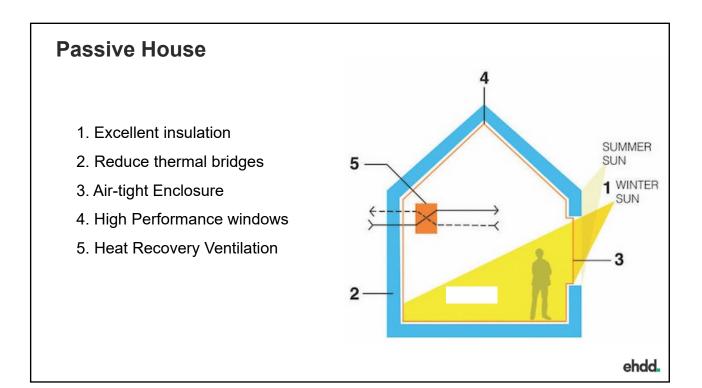


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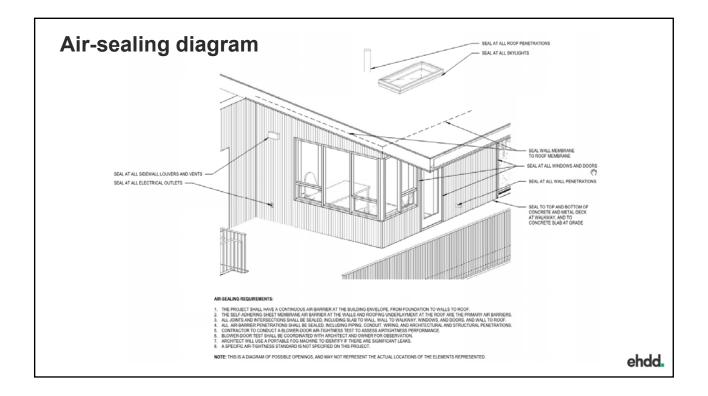




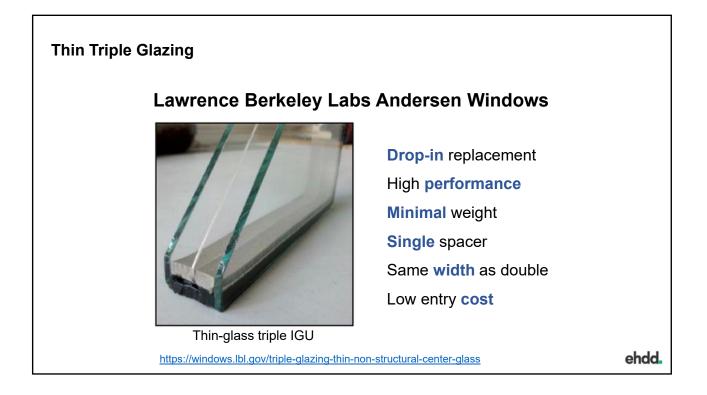


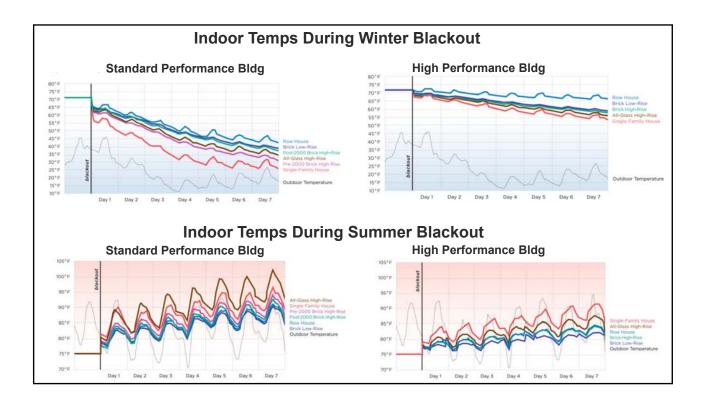




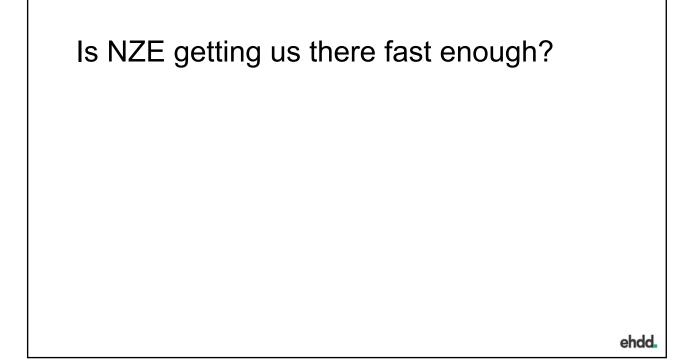


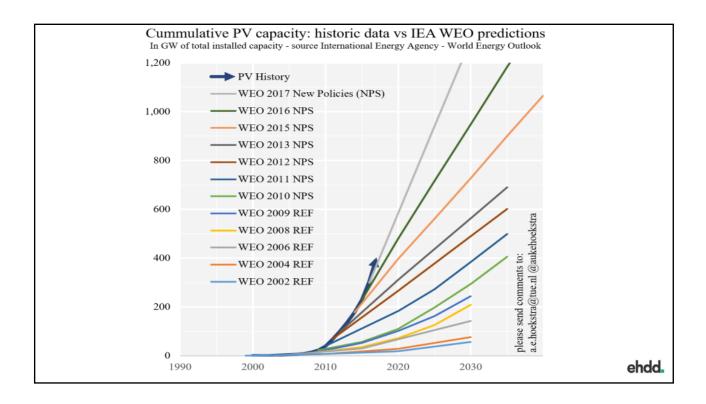


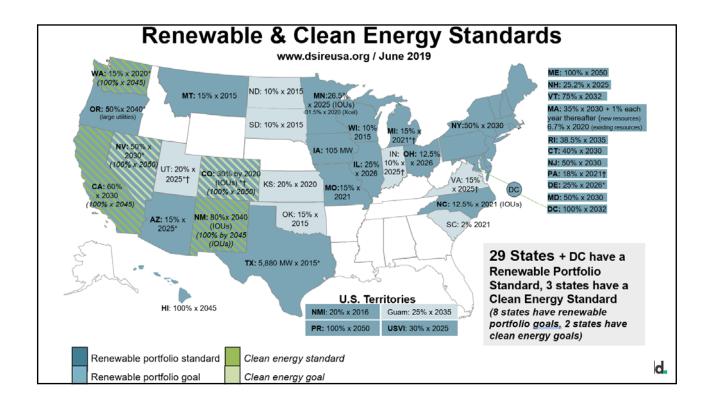










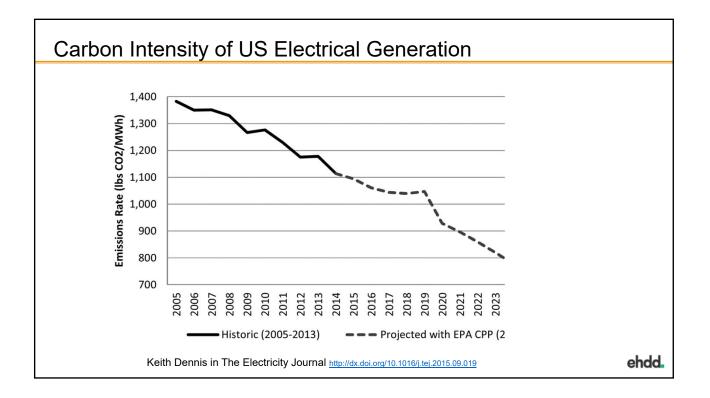


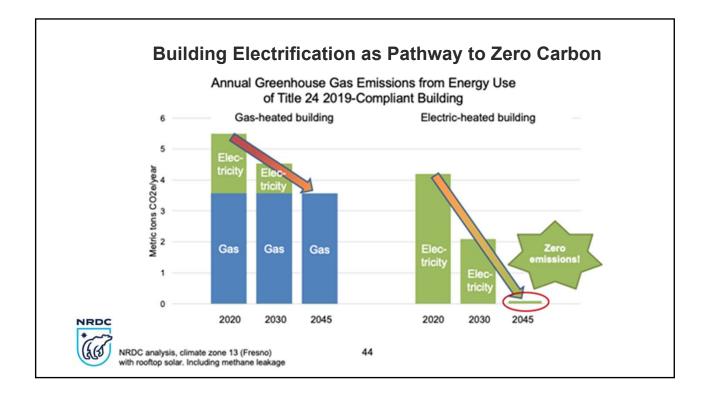


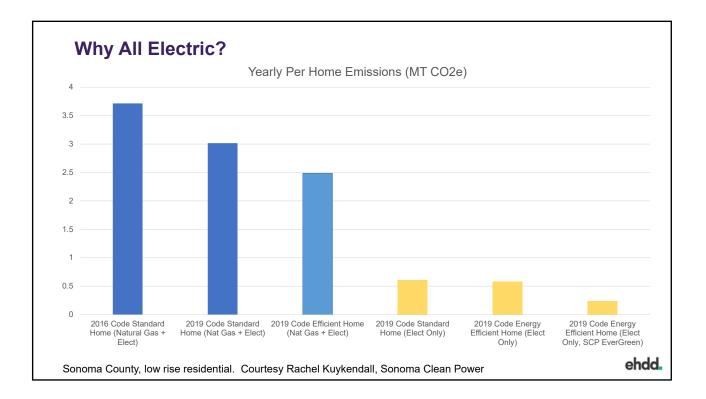


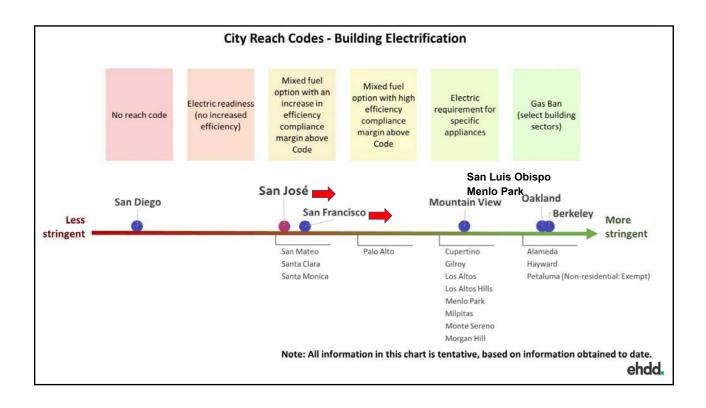
Po	wer Alliance	Ut	ilities with Clean Energy Targets
SEPA	members are indic	ated in	bold . Utilities with 100% decarbonization goals are indicated with a \checkmark .
Utility Name	Goal Type	Target	Notes
AEP Ohio	Emission Reduction	2050	80% emissions reduction below 2000 levels by 2050 (2018)
AES Corporation	Carbon Reduction	2030	70% carbon reduction through 2030 (revised its prior goal of 50% reduction from a 2016 baseline) (2018)
Alliant Energy	Emission Reduction/Renewable Energy	2050	40% below 2005 levels by 2030 and 80% of total emissions by 2050 (also eliminating all coal by 2050) - 30% renewable energy by 2024 (2017)
Ameren	Emission Reduction	2050	80% emissions reduction by 2050 compared to 2005 levels (2017)
APS	Carbon Reduction	2032	Reduce CO2 emissions rate to <600lbs/MWh by 2032 (48% reduction from 2005 levels) (2017)
Austin Energy √	Renewable Energy/Zero Carbon/Emission Reduction	2027 2050	65% renewable energy by 2027, zero carbon energy target by 2050 (2018) Reduce carbon dioxide (CO2 power plant emissions) 20% below 2005 levels by 2020 (2018)Meet 55% of all energy needs through renewable resources by 2025, including 950 MW of solar power, 200 MW of which will be local solar (2018)
Avangrid	Carbon Reduction	2035	Carbon-neutral by 2035
Avista √	Emission Reduction	2027 2045	100% carbon neutral by 2027 and carbon-free by 2045

SEPA United States Environmental Protection Agency	Partner Name	Annual Green Power Usage (kWh)	GP % of Total Electricity Use*	Green Power Resources
Green Power Partnership	1. <u>University of California</u>	273,347,222	25%	Various
	2. <u>University at Buffalo, the State</u> <u>University of New York</u>	224,325,000	100%	Biomass, Solar
	3. <u>University of Pennsylvania</u>	200,000,000	71%	Wind
	4. Stanford University	159,626,907	57%	Solar
	5. <u>Georgetown University</u>	159,499,000	133%	Wind
	6. <u>University of Tennessee</u> , <u>Knoxville</u>	158,044,000	67%	Solar, Wind
	7. University of Maryland	146,567,825	53%	Various
	8. University of Oklahoma	135,692,000	70%	Wind
	9. <u>Carnegie Mellon University</u>	132,396,967	100%	Solar, Wind
	10. <u>University of North Texas</u>	107,250,000	100%	Solar, Wind
	11. Arizona State University	105,000,000	30%	Solar, Wind
	12. <u>University of Missouri</u>	104,001,209	42%	Biomass, Solar, Wind
	13. Northwestern University	100,370,800	39%	Solar, Wind
	14. Oklahoma State University	93,827,563	67%	Wind
	15. Drexel University	87,766,000	104%	Solar, Wind
	16. The Ohio State University	85,505,575	14%	Wind









California Universities Are Transitioning to All-Electric Buildings

The University of California system and Stanford University are making all-electric buildings the default in new construction.

"No new UC buildings or major renovations after June 2019, except in special circumstances, will use onsite fossil fuel combustion, such as natural gas, for space and water heating"

ehdd

https://www.greentechmedia.com/articles/read/california-universities-are-transitioning-to-all-electric-buildings#gs.QUr5W_E



