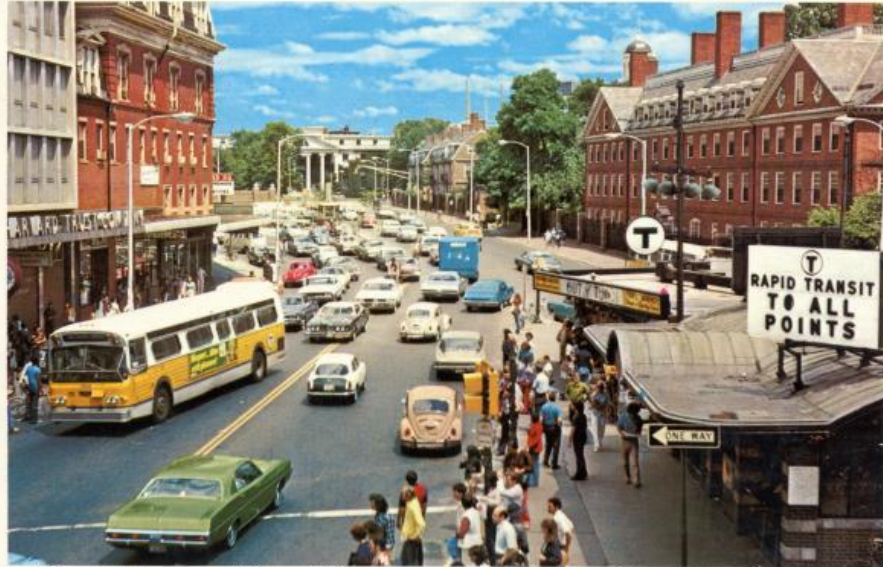




AEG 2021

FINANCING RESILIENCE IN CAMBRIDGE

DEVELOPMENT IS EVOLVING FASTER THAN OUR INFRASTRUCTURE DESIGNS.

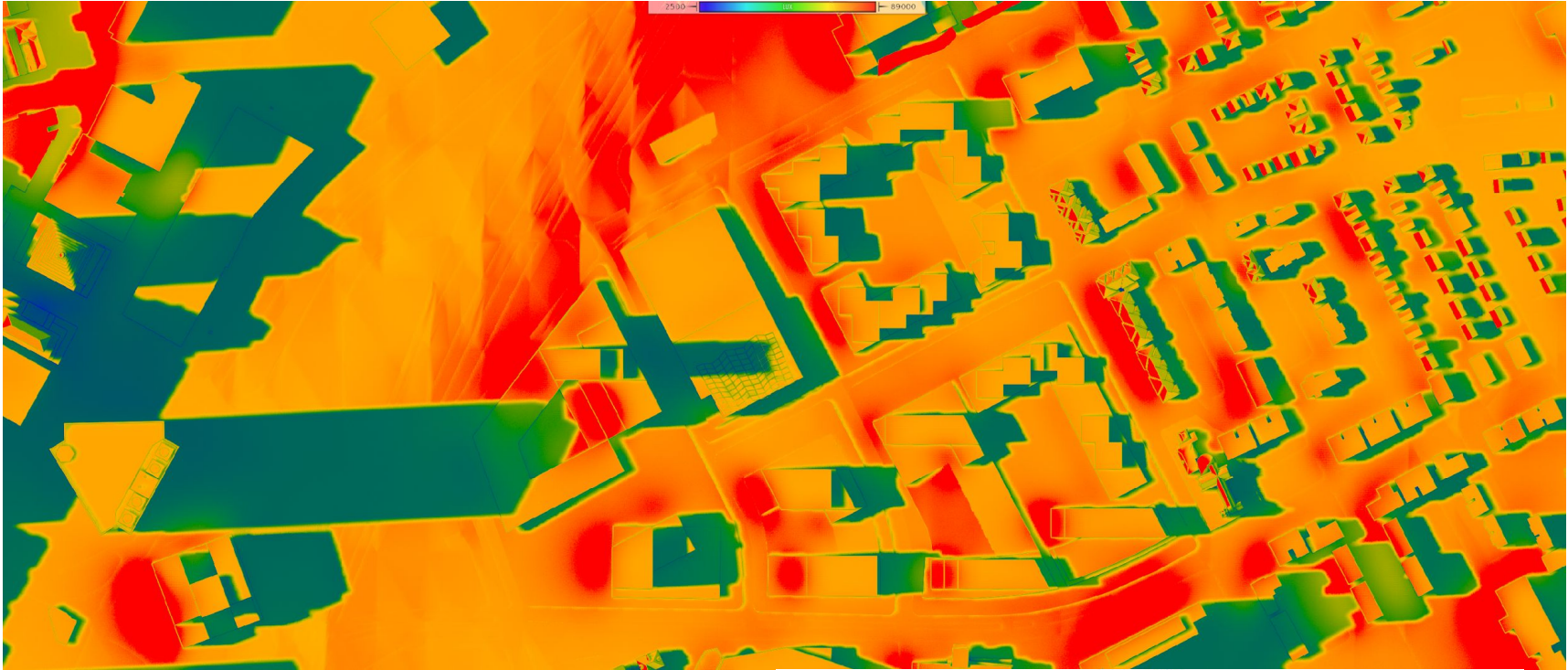


Boston 3rd-Most Gentrified Urban Area in US, Report Says

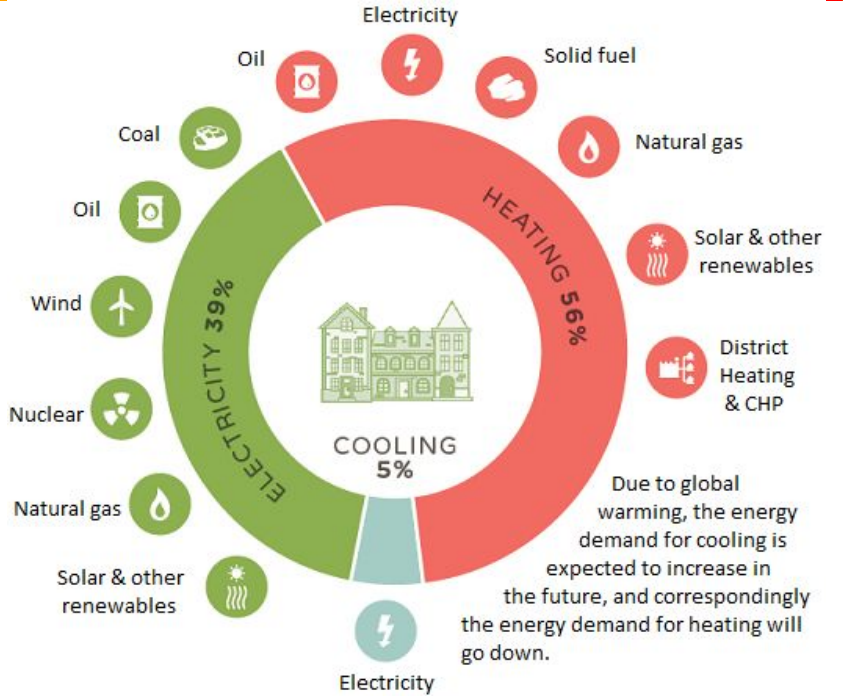
Only San Francisco and Denver had a higher rate of gentrification between 2013 and 2017



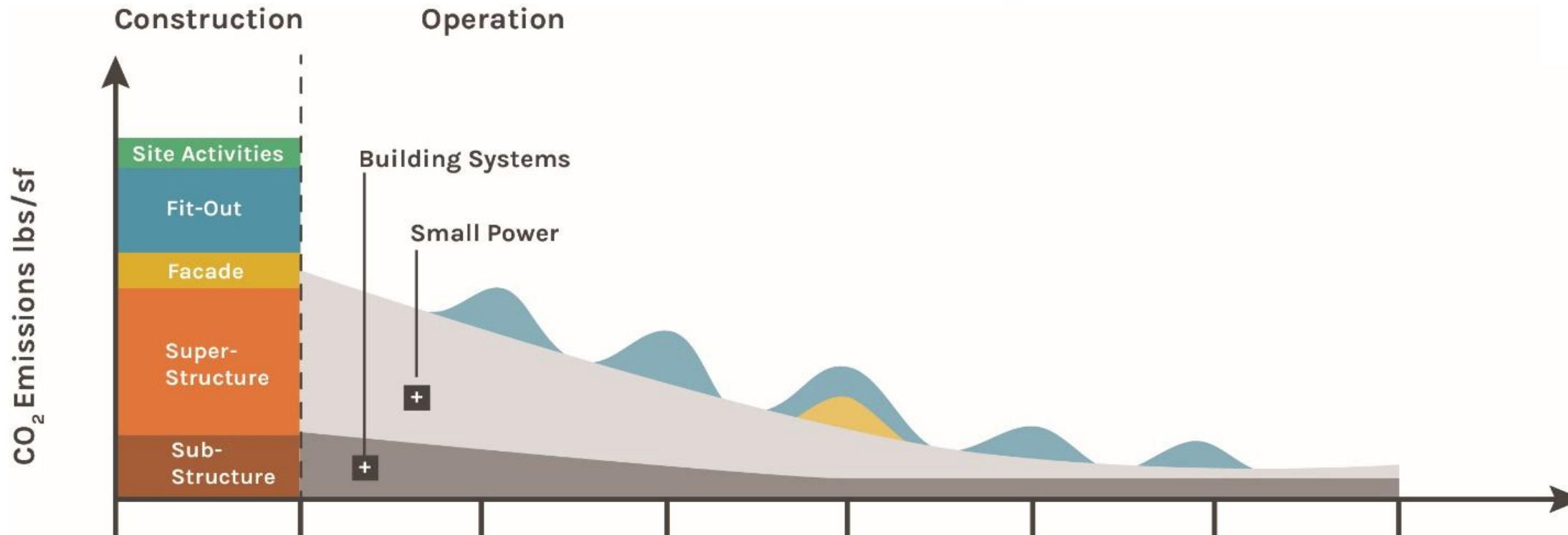
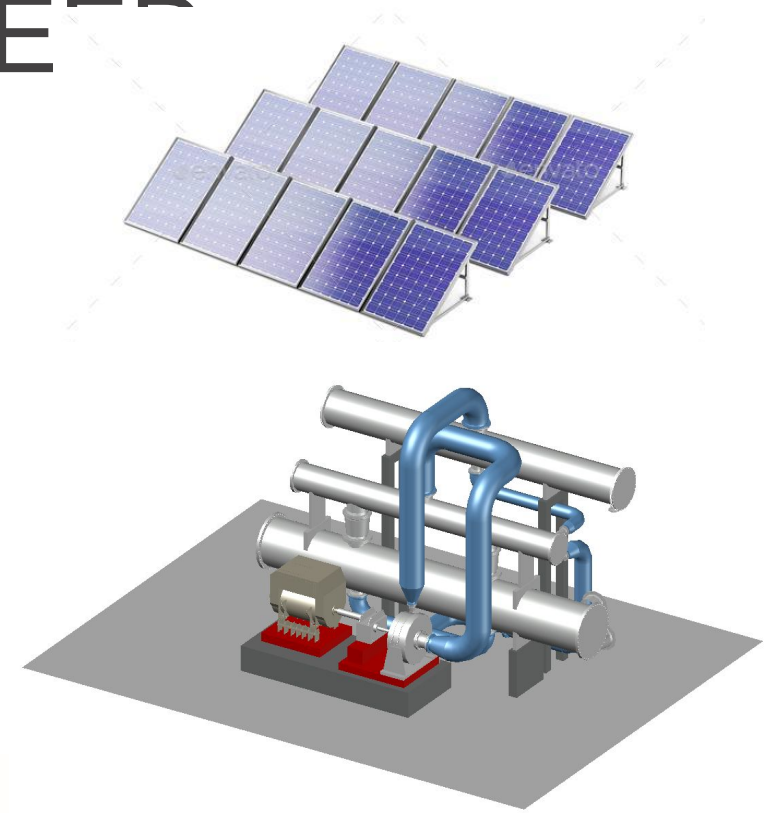
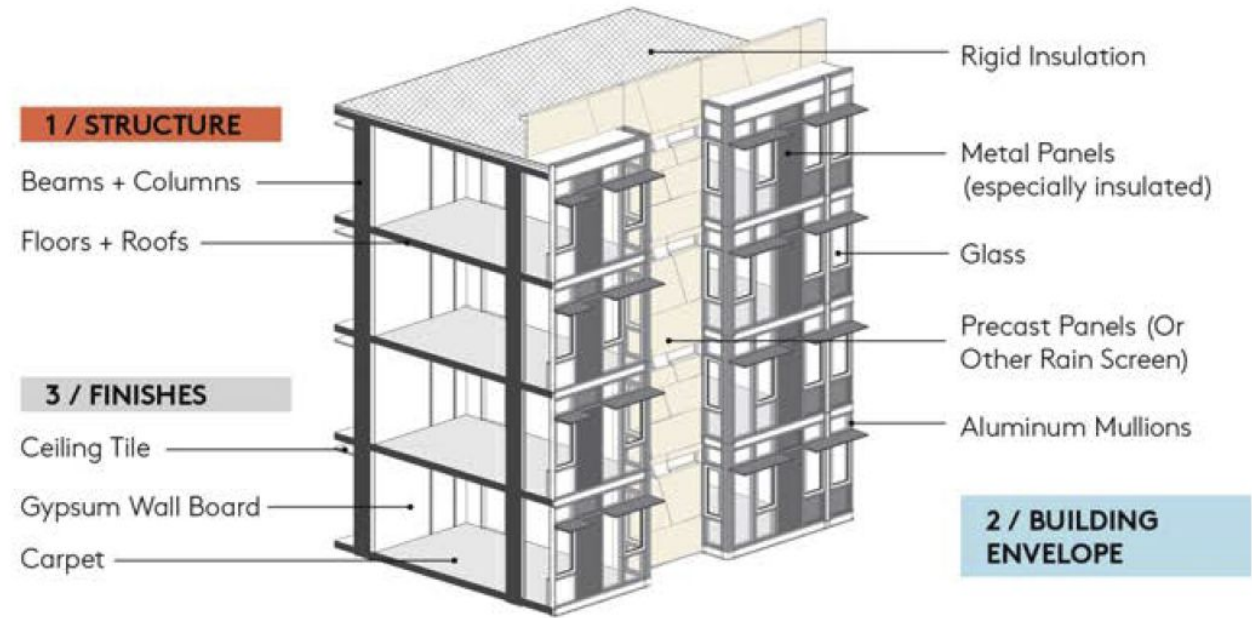
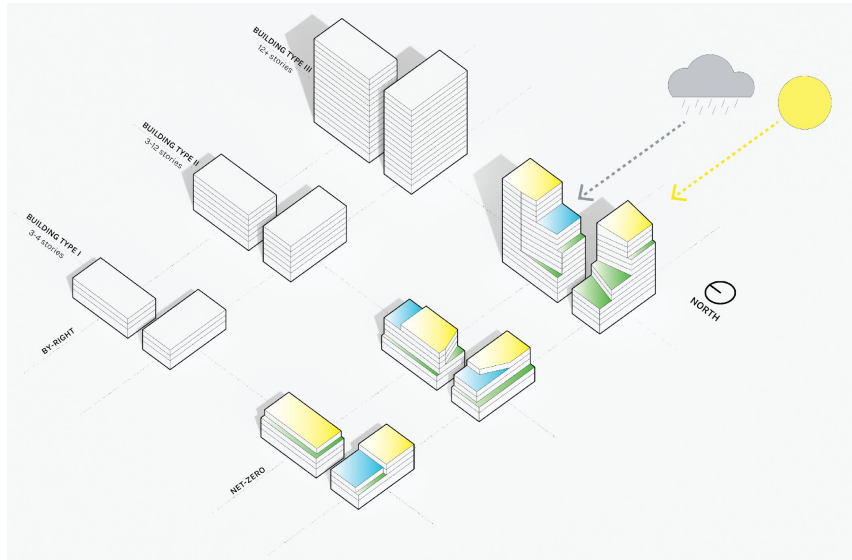
THESE DESIGNS CAN INCREASE STRESS ON OLDER SYSTEMS. ENVIRONMENTALLY, ECONOMICALLY, & EQUITABLY.



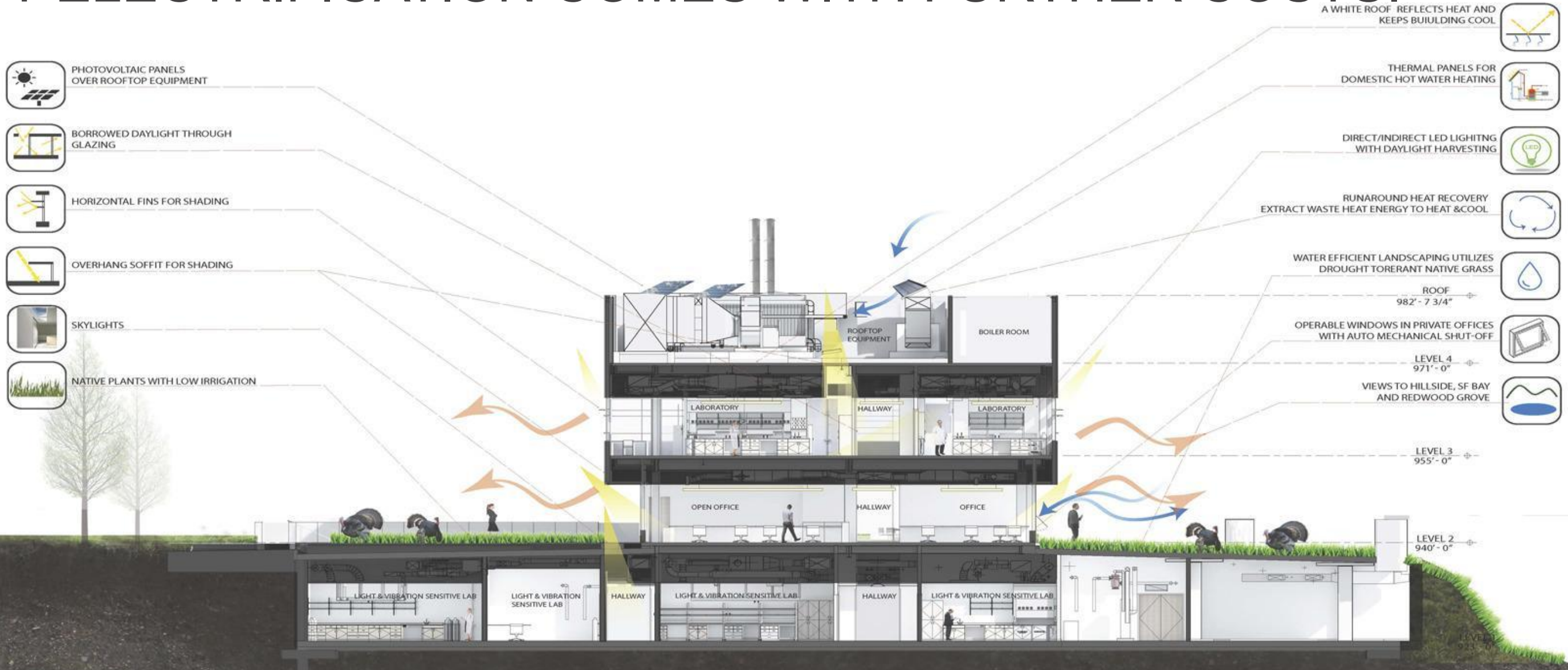
EVERY BUILDING IS PART OF THE BROADER URBAN ECOSYSTEM



THERMAL + ELECTRICAL = THE EUI'S WE NEED



BUILDINGS AS CATALYSTS OF CHANGE BUT ELECTRIFICATION COMES WITH FURTHER COSTS.



- Narrow building footprint on levels 2 and 3 with abundant windows and skylights allows for daylight into building minimizing lighting consumption
- 95% of construction waste diverted from landfill

- 30% project recycled content in project building materials
- 41% building domestic water use reduction
- Over 35% green power usage in Renewable Energy Credits (RECs)
- High efficiency mechanical system (condensing boilers and chillers w/variable frequency drives)

- Low air velocity in air handling systems
- Variable volume fume hood control
- Variable volume lab exhaust
- Seal all duct systems and perform leak test on ductwork

Regarding buildings & construction, to achieve Boston's carbon and equity goals, the most critical obstacle to overcome is: *financing resilience in a way that does not result in higher energy costs for consumers.*

“We shape our buildings:
therefore they shape us.”

- Winston Churchill



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