

# Embodied Energy $\propto$ Durability

Imagine ... an Infrastructure, where the Materials used over the Next Decade:



- ✓ **Double its Durability** (2<sup>+</sup>x Greater Life)
- **Halve its Embodied Energy** (9 Quads Saved\*)
- **Cut Emissions by Half** ( $\leq$  50% Lower GHG's)
- ✓ **Halve O&M Expenses** ( $\leq$  50<sup>+</sup>% Repair Frequency)
- ✓ **Use Existing Facilities** (No New Capital Outlay)
- ✓ **Lower Concrete Costs** (At or Below Today's)