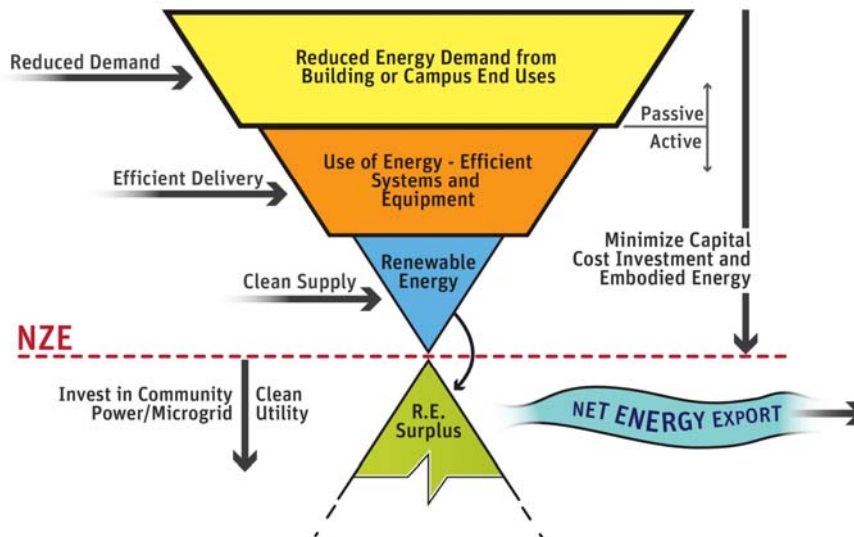


# THE TUG OF WATER EFFICIENCY AGAINST THE ZNE OBJECTIVE

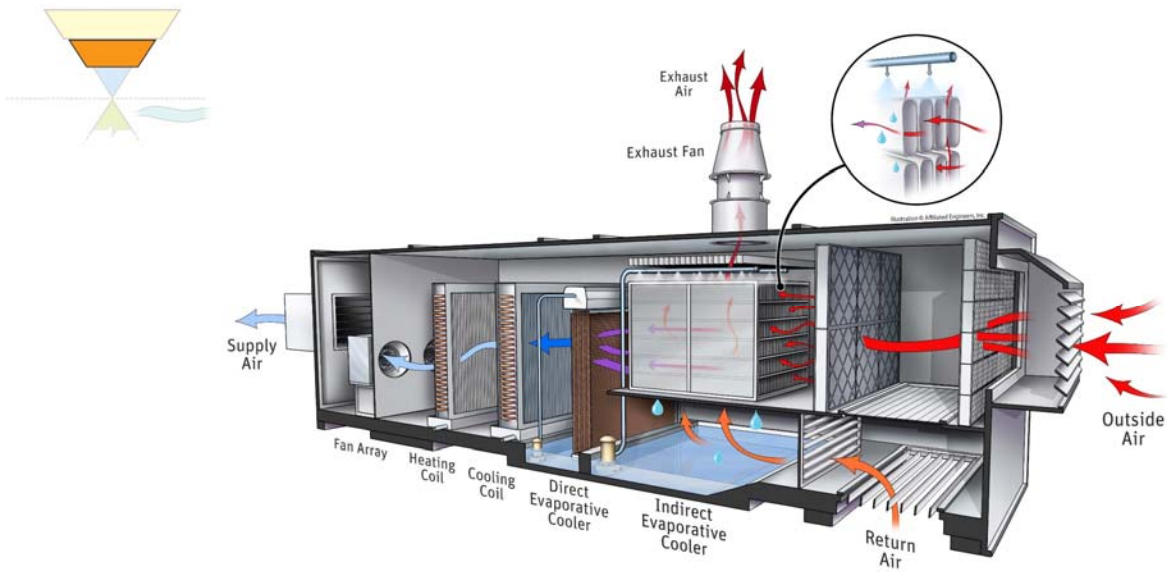
OCTOBER 13, 2016

## GETTING TO ZERO



Illustration, copyright AEI/Affiliated Engineers, Inc.

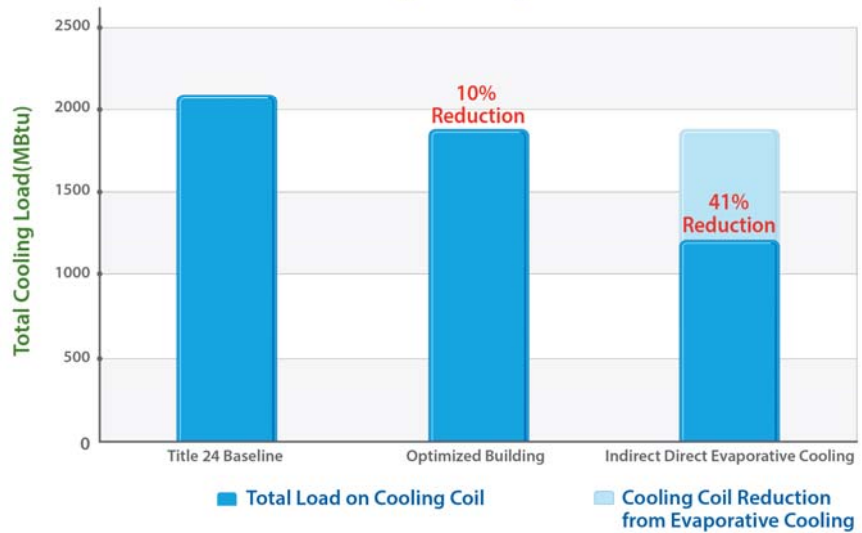
## INDIRECT DIRECT EVAPORATIVE COOLING

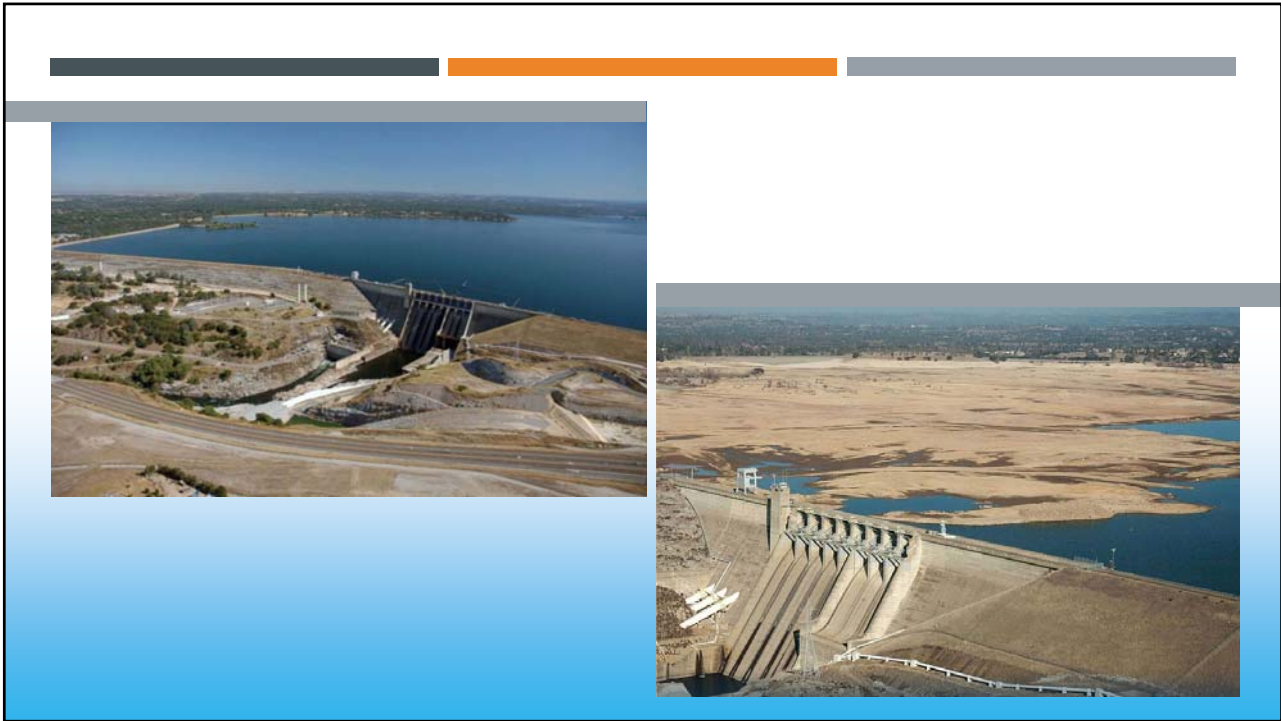


## BUILDING COOLING DEMAND



Building Cooling Demand

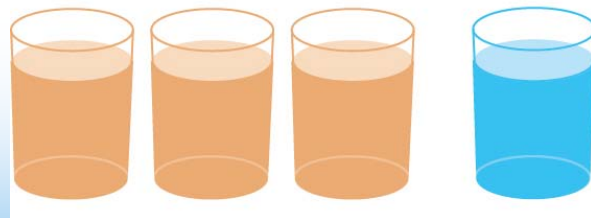




# ENERGY:WATER NEXUS



4.64 gallons of water consumed per kWh of energy consumed in CA



U.S. power plants use three times as much fresh water daily — **143 billion gallons** — as is used for public water supplies.

# ENERGY:WATER NEXUS



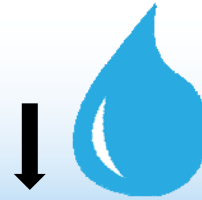
## SITE



219,000 gallons Site Water Increase  
- 32,000 gallons Site Water Decrease  
-153,000 gallons Reclaimed Water Use

**34,000 gallons Total Site Water Increase**

## SOURCE



**178,000 gallons Source Water Reduction**

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THANK YOU

**MEGAN GUNTHER, PE, LEED AP BD+C**  
**AFFILIATED ENGINEERS, INC.**