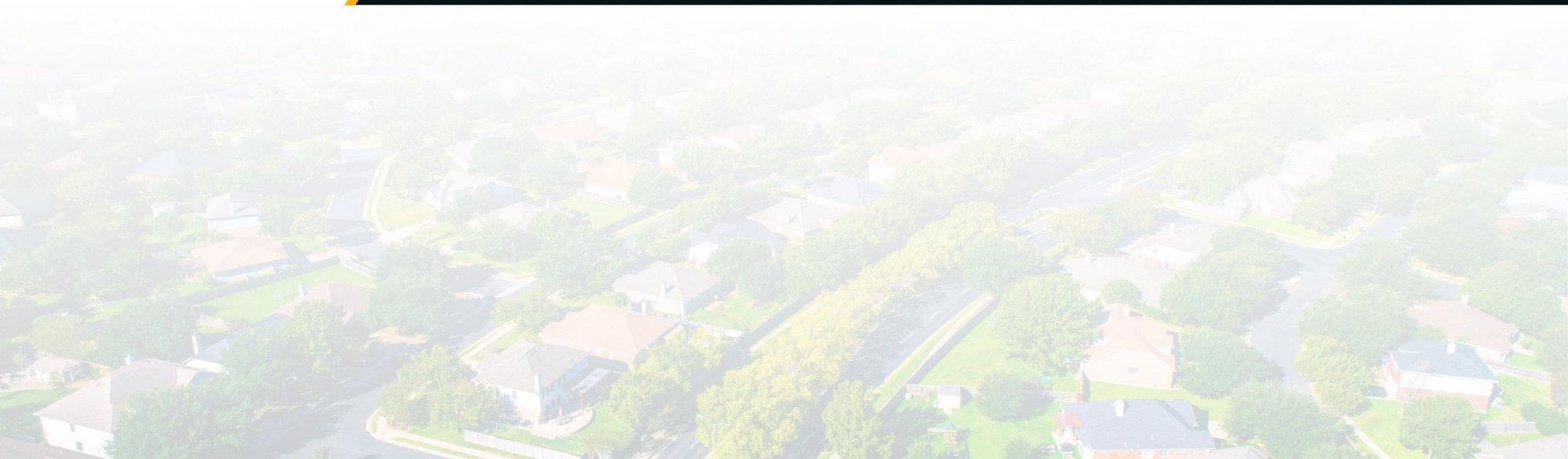
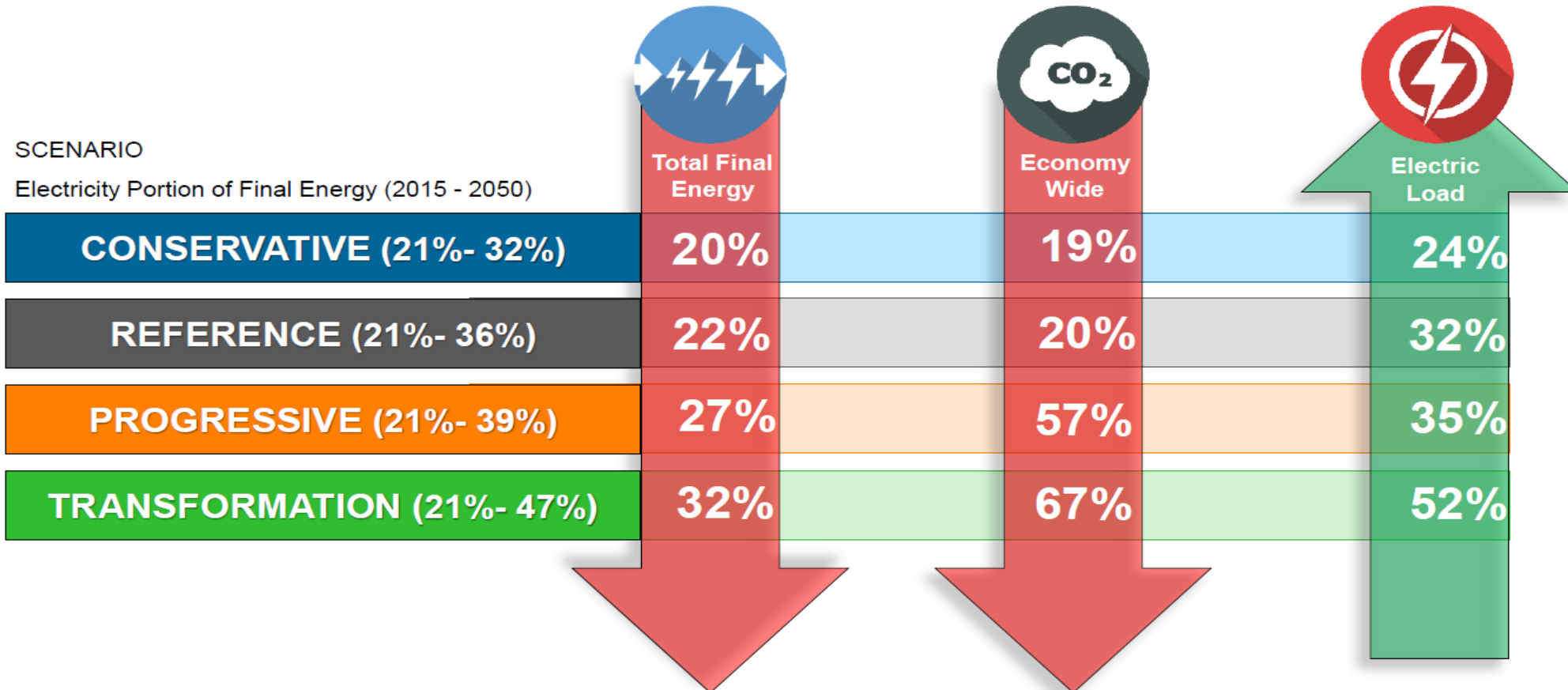




# EPRI's National Electrification Assessment



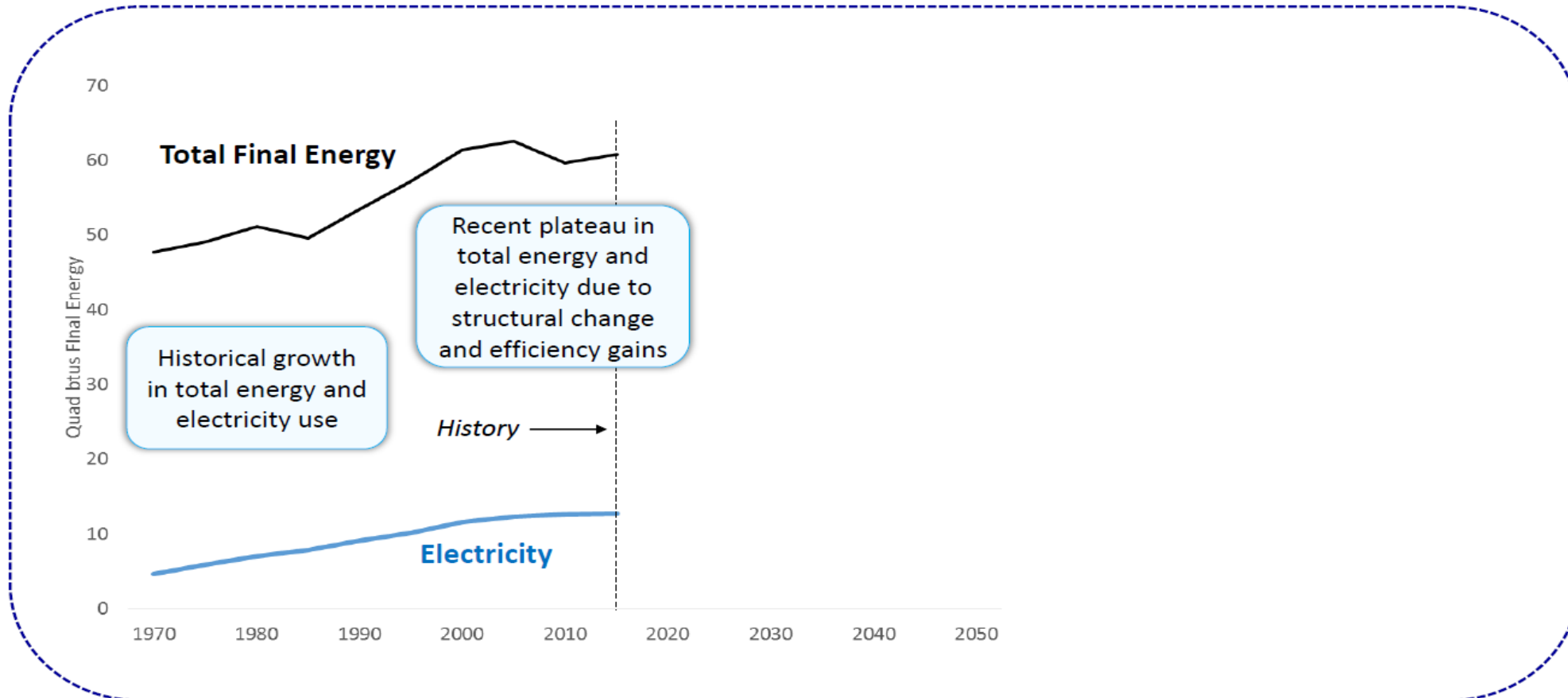
## U.S. National Electrification Assessment (USNEA) - Results



# The EPRI Study (Continued)



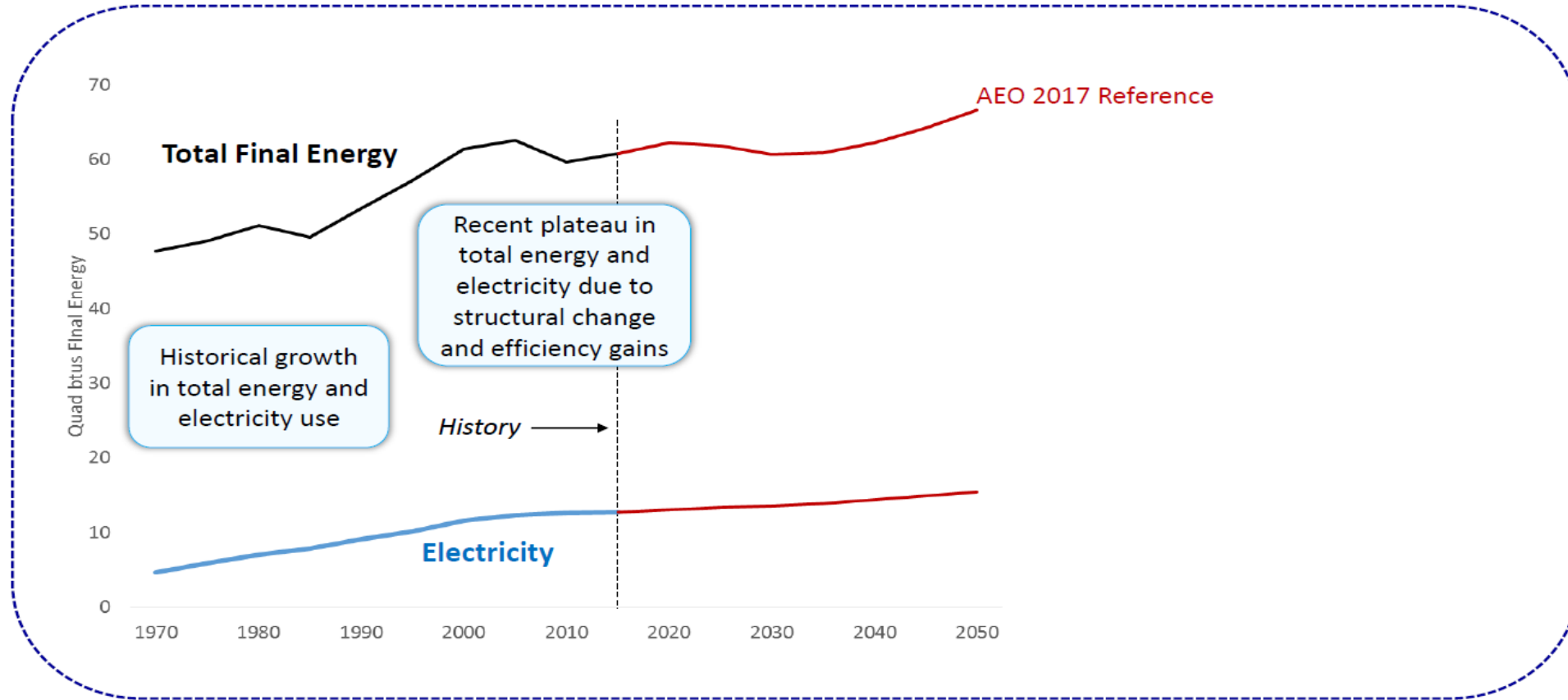
## Historical Growth in Total Energy and Electricity Use



# The EPRI Study (Continued)

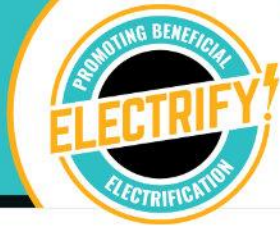


## AEO 2017 Projects Rising Total Energy and Electricity Use

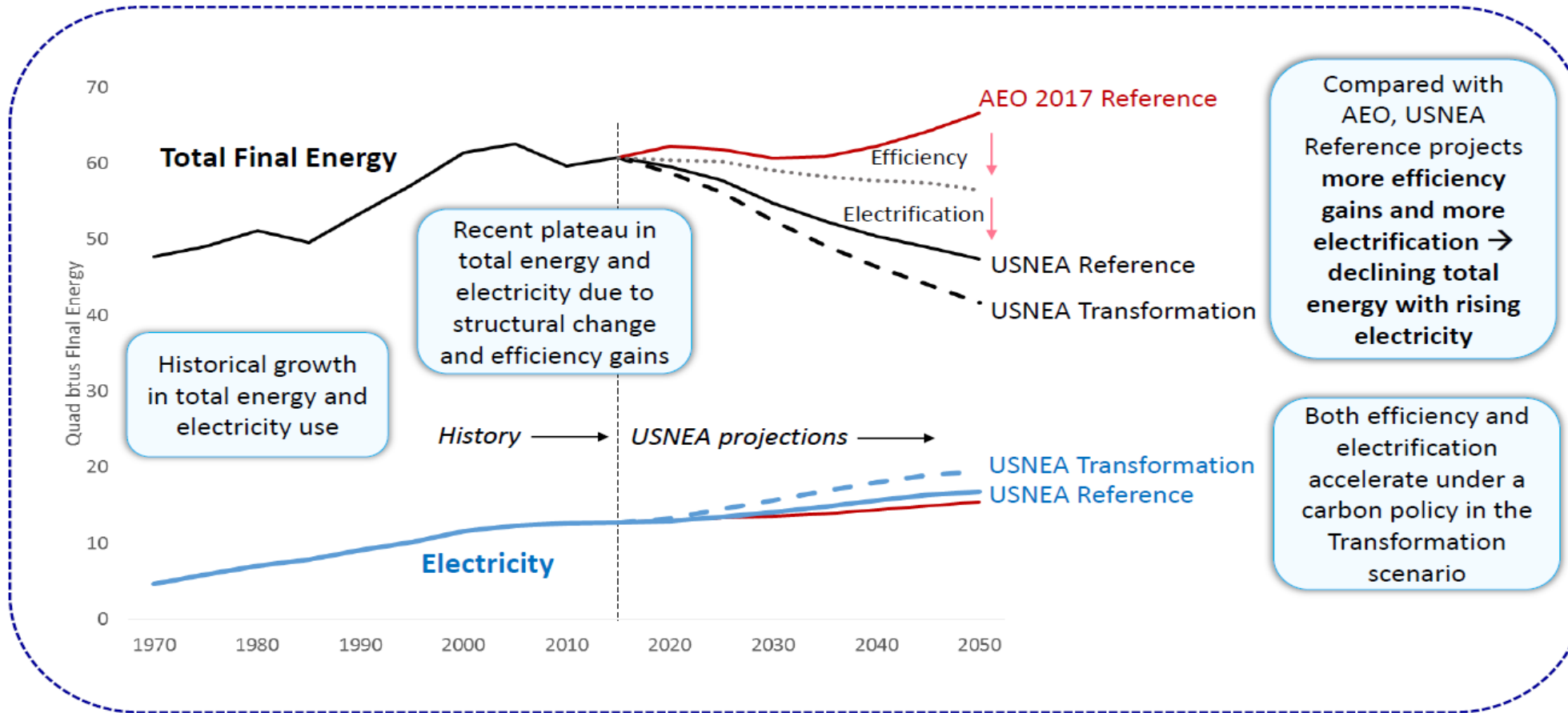


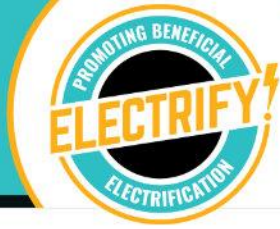


# The EPRI Study (Continued)



## Total Final Energy Declines While Electricity Demand Increases





## Targeted Electrification Technologies

### RESIDENTIAL

Air-source and ground-source heat pumps  
Variable-capacity ducted heat pumps

### COMMERCIAL

Variable refrigerant flow heat pumps  
Variable-capacity rooftop heat pumps  
Rooftop air-source heat pumps  
Heat pump water heaters  
Heat pump pool dehumidification  
Forklifts (comm & ind applications)  
Truck stop electrification  
Commercial food service equipment  
Water ozonation/ Wastewater treatment

### INDUSTRIAL

Infrared curing and drying  
UV curing  
Induction surface treatment  
Induction furnaces  
Pipeline compression  
C&I heat recovery chiller  
Agricultural equipment  
Pumps (single- to three-phase)

### TRANSPORTATION

Light duty passenger vehicles  
Transit/School buses  
Heavy duty trucks



# The Win-Win-Win of Beneficial Electrification!

EPRI and NREL Studies are part of a trend of studies that amounts to consensus on benefits of additional electrification.