The world of energy is going through a transformation. Energy storage technologies offer many new opportunities to reduce pressure on the grid, improve resilience and lower operating costs.

According to Western Cooling Efficiency Center at University of California-Davis, the traditional 10 day average methodology for measuring the impact of demand management technologies underrepresents the value of thermal storage by as much as 77% because it does not adequately account for shifts in building loads due to extreme weather, holidays, or weekends.

Power consumption forecasted to grow by 13% by 2040 of the US grid's transmission lines and power transformers are over 25 years old.

THERMAL STORAGE SYSTEMS store energy during off-peak times in tanks as ice or chilled water and then release it during peak hours.

The value of Thermal Energy Storage systems are more accurately quantified when based on 1-IN-10 heat event (hottest hour in 10 years) method - which is how many other utility investments are evaluated.

Sources: 1 EIA / 2 EIA and based off of 2015 consumption / 3 Institute for Energy Research / 4 Energy Department, 2014

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