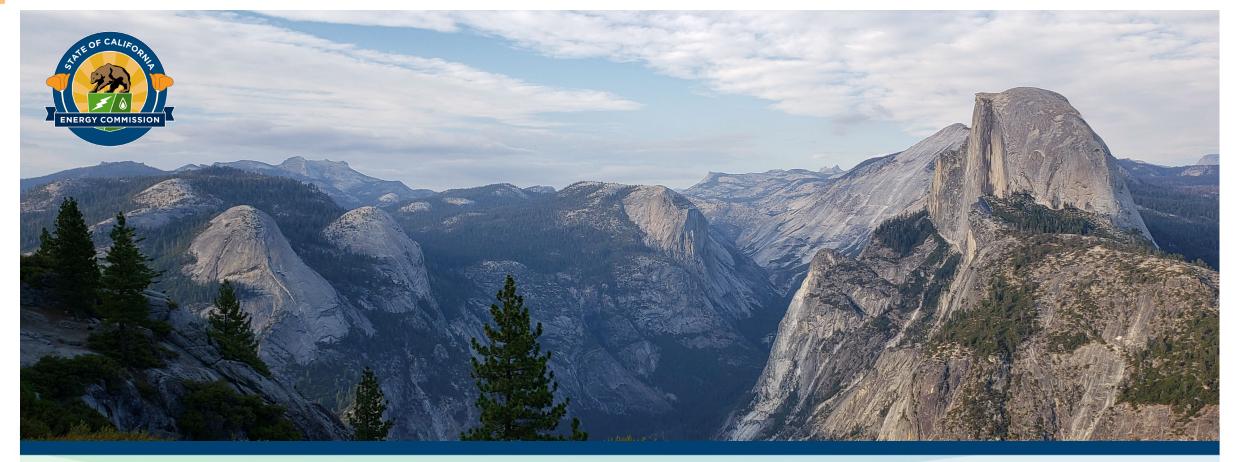
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ITEM 5 Load Flexibility Part 1

Gabriel Taylor, Efficiency Division, CEC





Electric Load Flexibility

An Equitable Transition to a Clean Energy Future

Gabriel Taylor, P.E. & Messay Betru California Energy Commission



Goals for Today

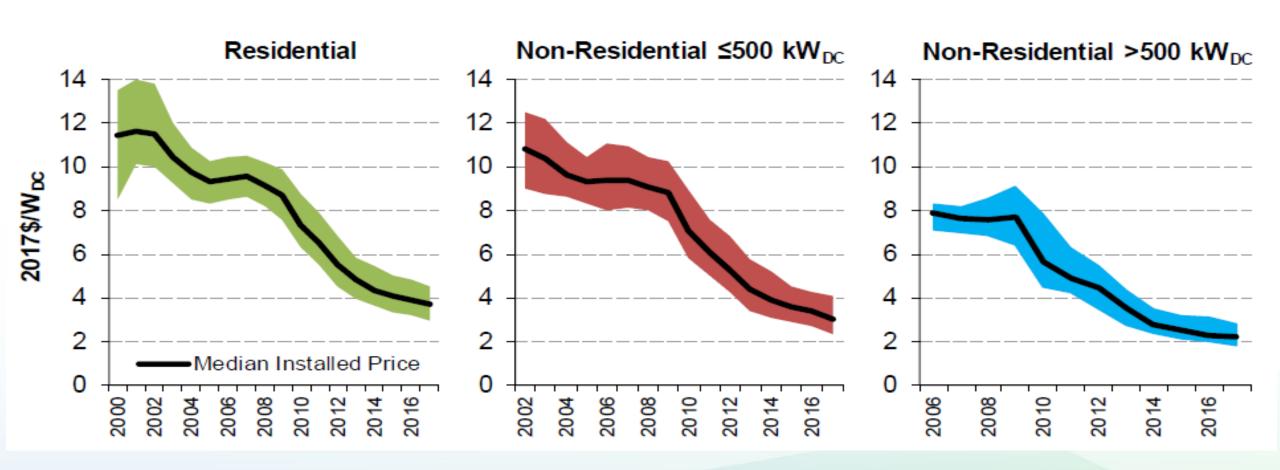
- What is Load Flexibility
- Why it is an Equity Issue
- Engagement Opportunities
 - ✓ Policy
 - ✓ Education
 - ✓ Standards







Solar Costs



Source: Tracking the Sun: Installed Price Trends for Distributed Photovoltaic Systems in the United States – 2018 edition, September 2018, Lawrence Berkeley National Laboratory https://emp.lbl.gov/sites/default/files/tracking the sun 2018 edition final 0.pdf



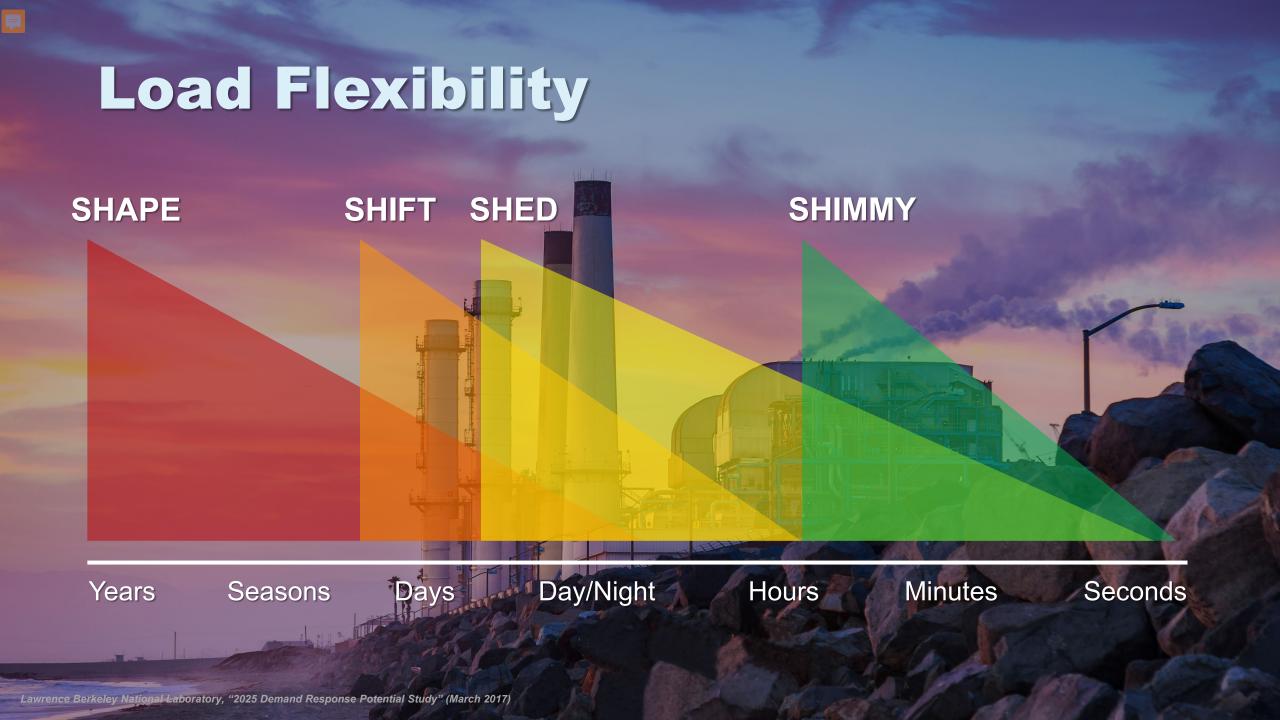




What is Load Flexibility?

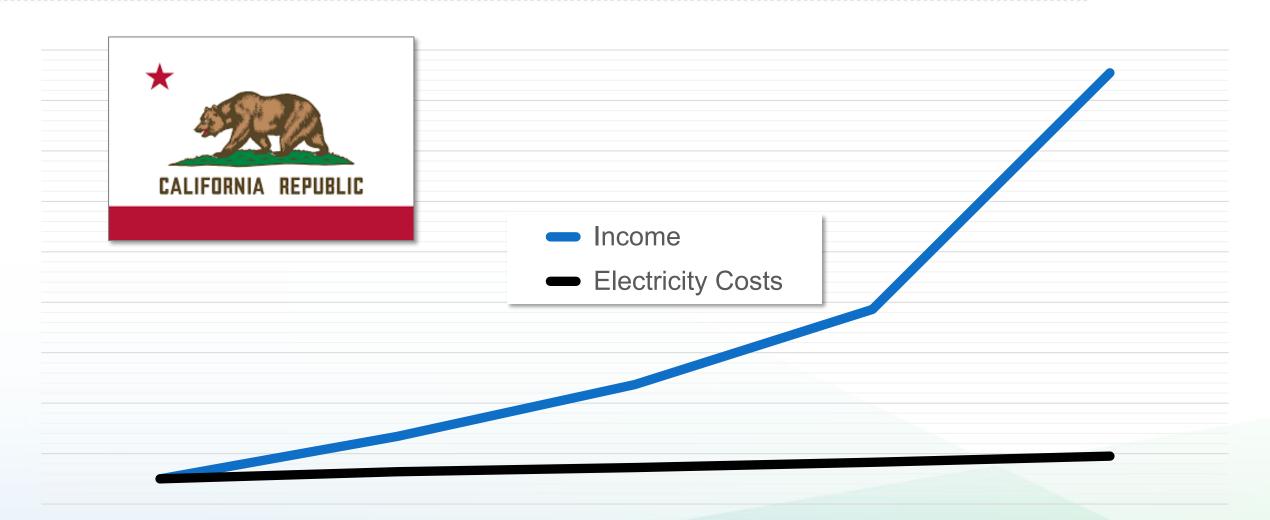
- The Value of Energy
- Voluntary & Automatic
- Save Money & Réduce Impacts

A voluntary change in electric demand while maintaining or improving service quality.





Income vs. Electricity Costs



Source: U.S. Bureau of Labor Statistics, California Consumer Expenditure Survey in 2017-2018 Source data at https://www.bls.gov/cex/2017/research/income-ca.htm





Engagement Opportunities







Load Management Standards

...a program of electrical load management for each utility...

- Energy Storage
- Automation
- Rates (recommendations)

