



Accelerating the Electric Economy by enabling Clean Energy Systems



Apparent Enables Clean Energy

Customers

Apparent

Markets



45%

Consumers Considering Investing

in rooftop solar in next 5 years (US)

+30% Usable Energy From The Same Assets



Can't Manage What You Can't See
lack of visibility & control = cost & instability



81%

Transport is Electrifying

60% increase in US EV sales (18-19)

Sub-second Bi-directional Dispatch & Control

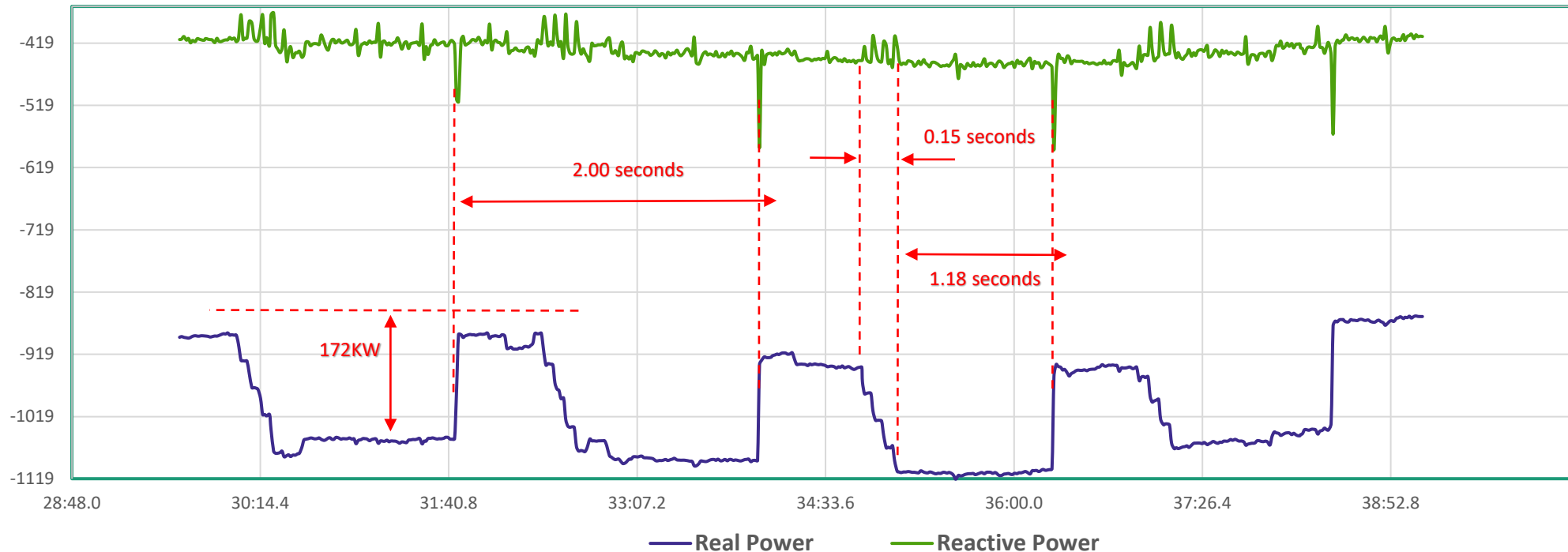


Charging Overloads the Grid
TX estimates simultaneous charging of 0.25% EVs will sink grid

Managing Energy: Apparent's Platform



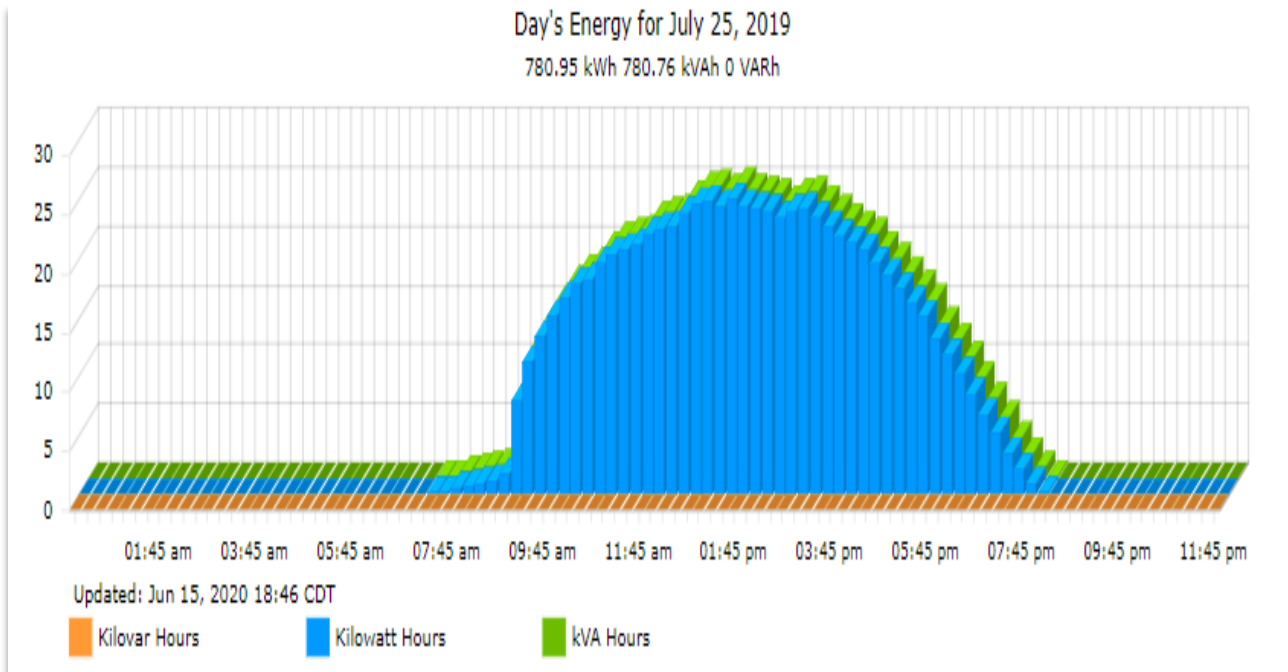
Managing Energy: It's All About the Data



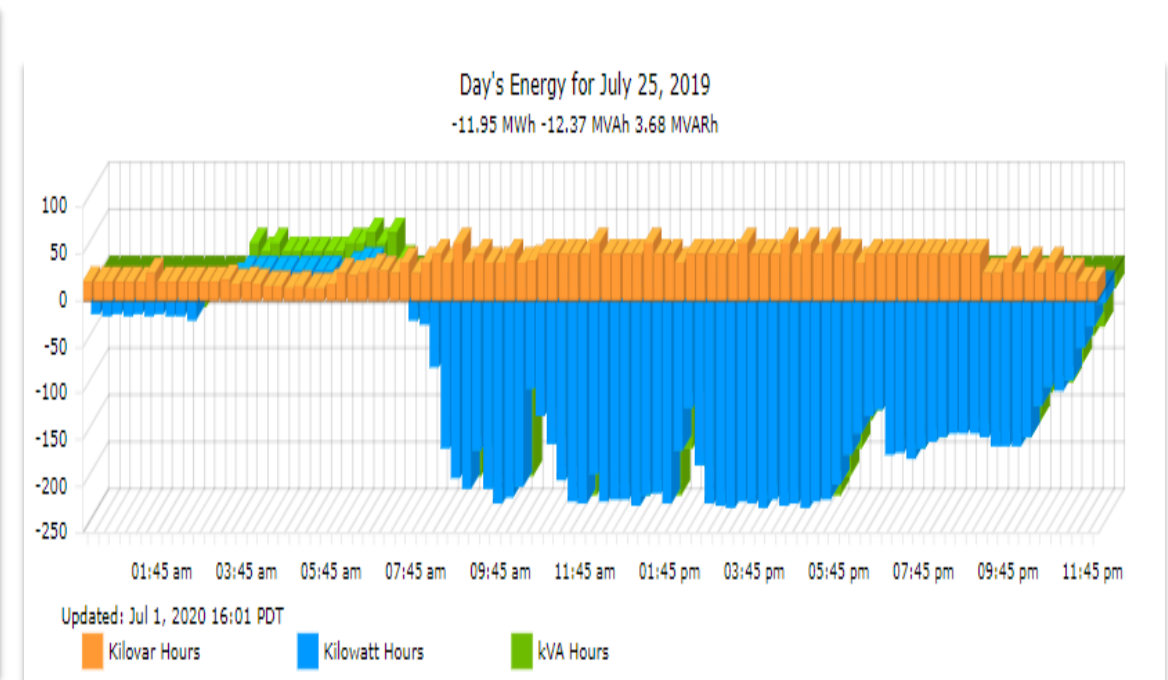
Apparent's cloud-based, machine-learning igOS™ identifies impedance of generation and load, matching it with pricing signals more than 4x/second

Managing Energy: Microgrid Integration

Austin Central Library—Austin, TX



PV USA—Davis, CA



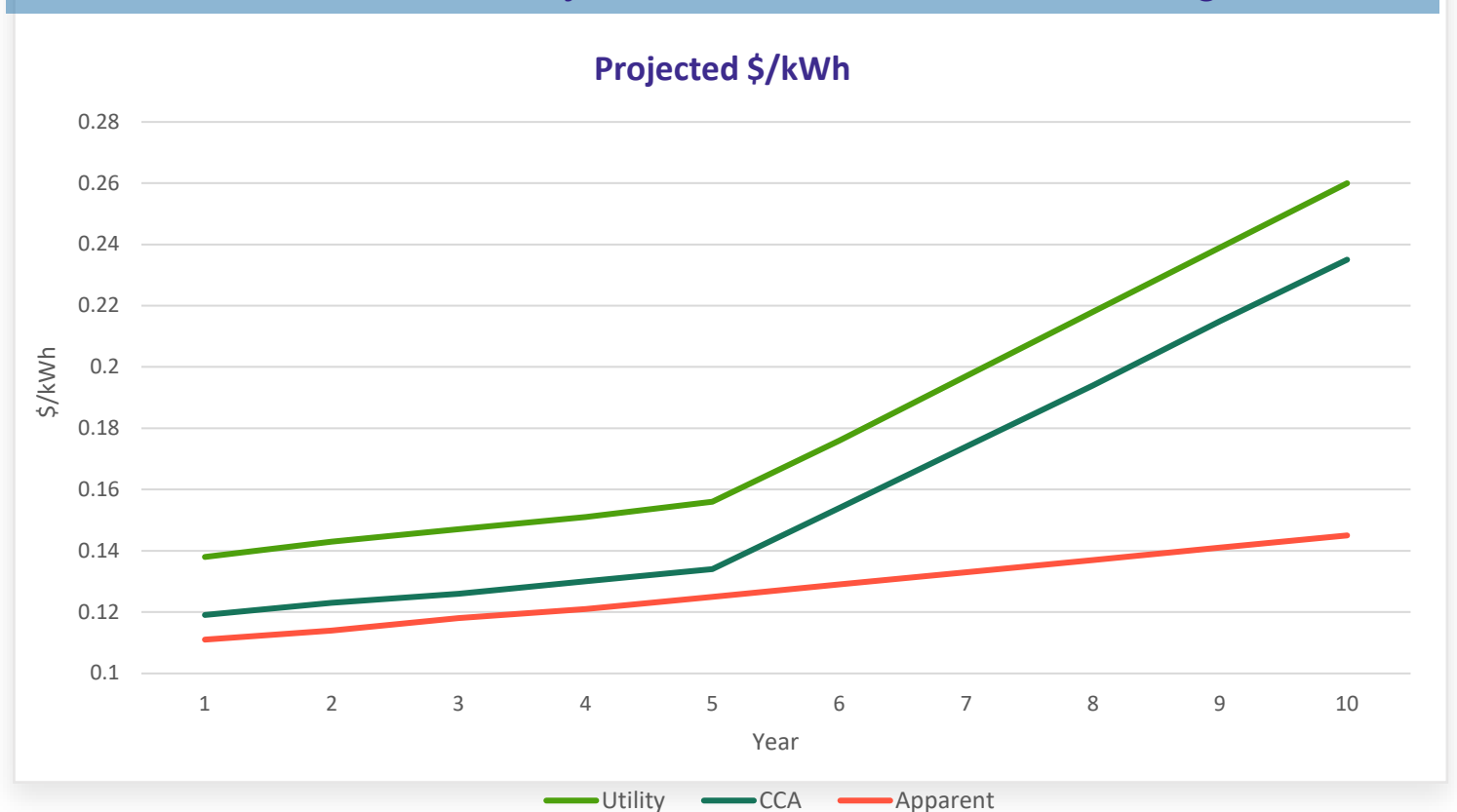
Managing Energy requires sub-second dispatch & control – real-time sensing and real-time action to meet demand and participate in the Energy Market

Managing Energy: EV Integration

Apparent Energy Management using solar+storage for EV charging:

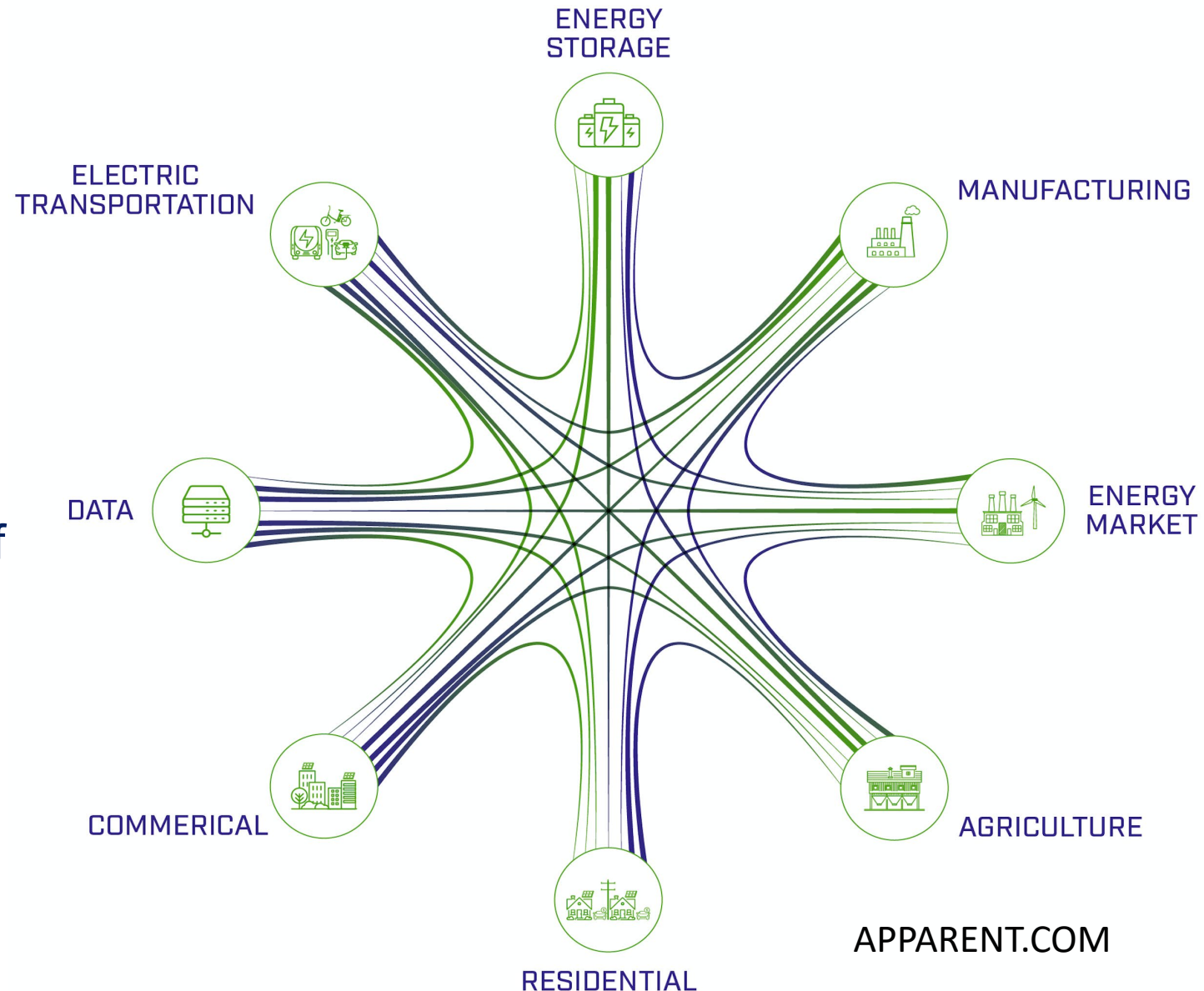
- Lowest energy costs
- Access to new revenue streams
- Real time bi-directional data and analysis
- Seamless scalability and upgrades

Apparent's energy services over 10 years = \$6M less than utility and \$3M less than CCA charges



The Future is Apparent

- DERs expected to grow by +15% CAGR to \$574B by 2025
- 40% of vehicles will be electric by 2040
- Apparent's software+hardware platform enables this integration of modified microgrids while supporting the existing grid



THANK YOU

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