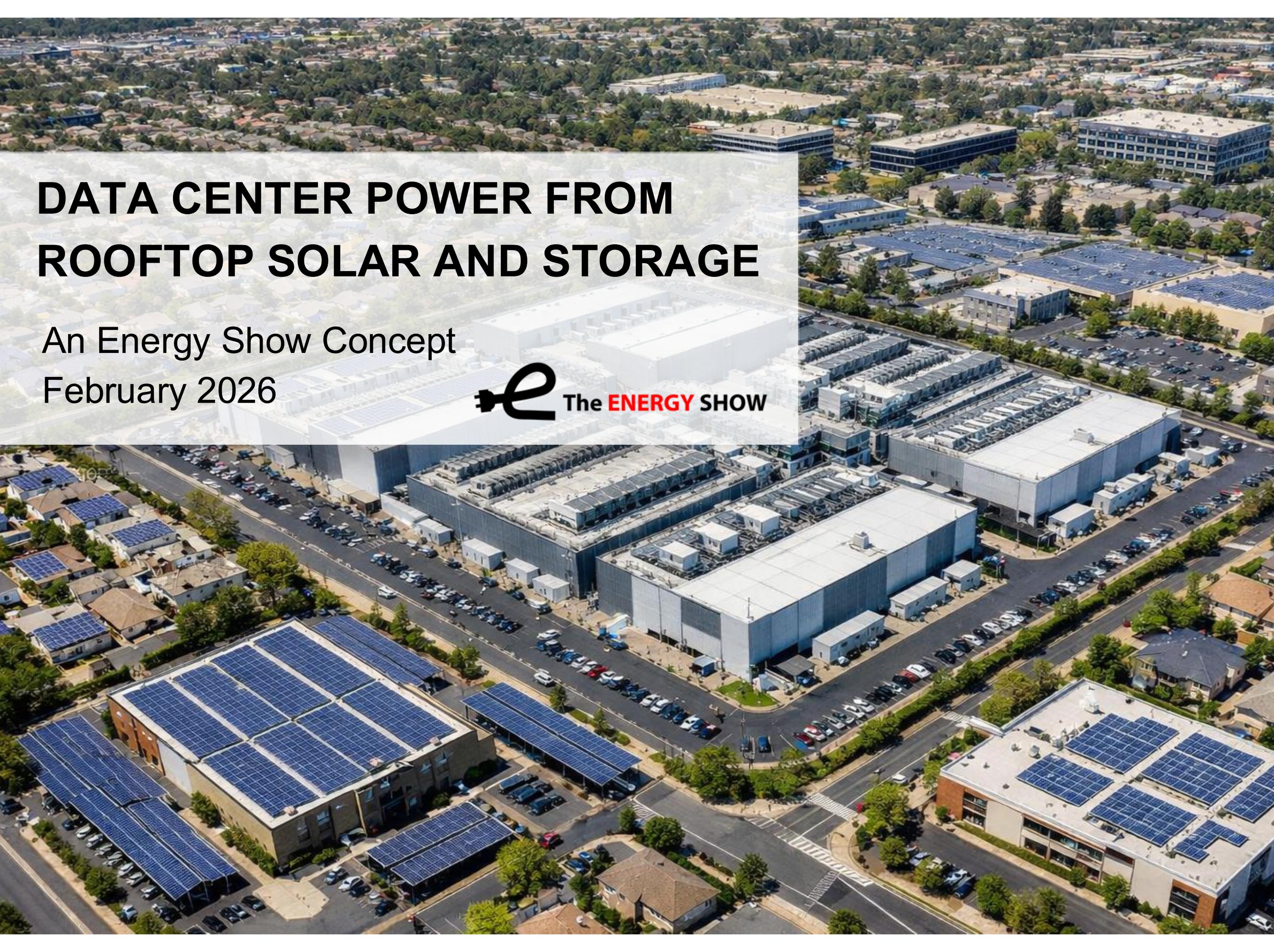


DATA CENTER POWER FROM ROOFTOP SOLAR AND STORAGE

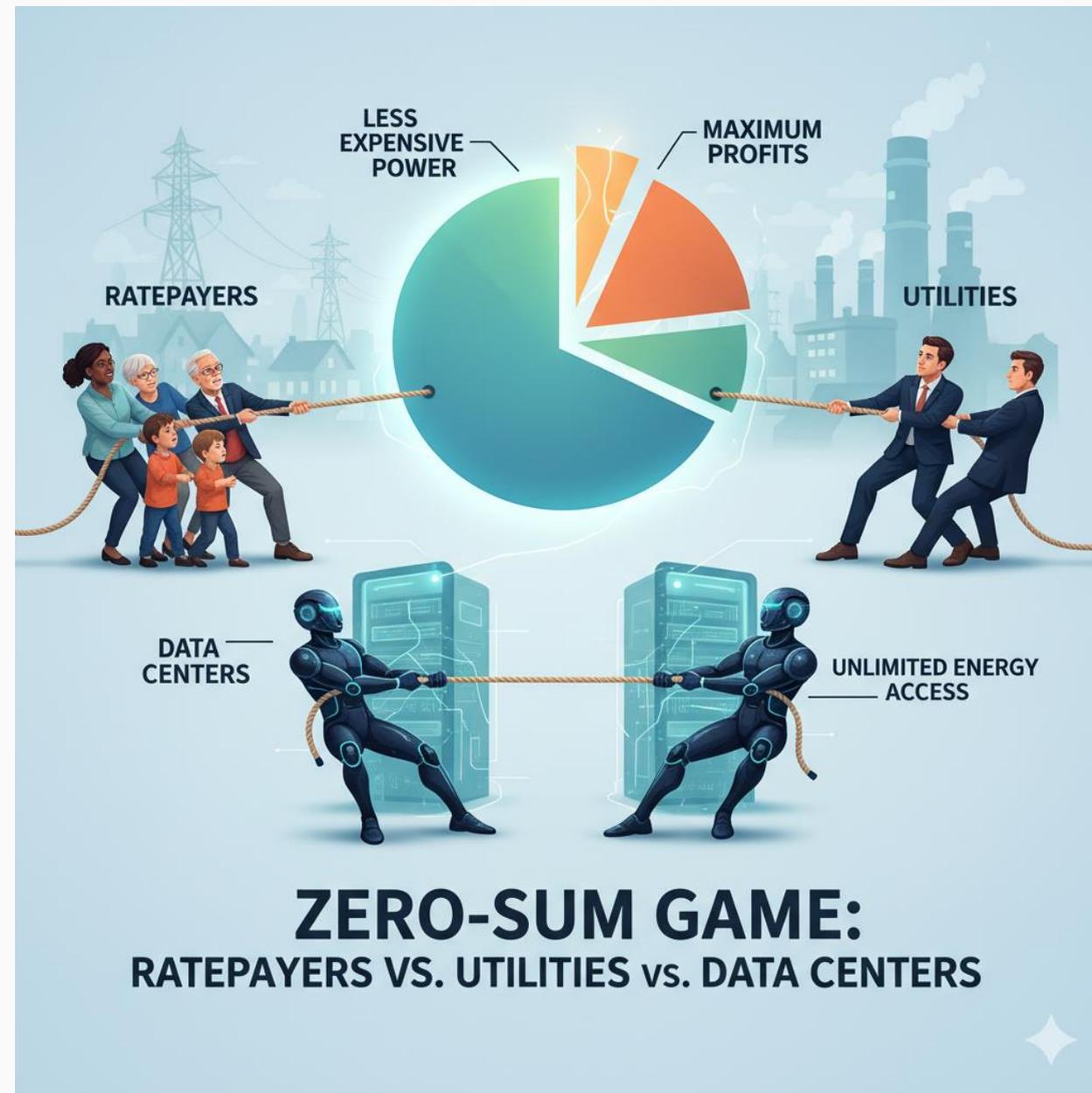
An Energy Show Concept
February 2026



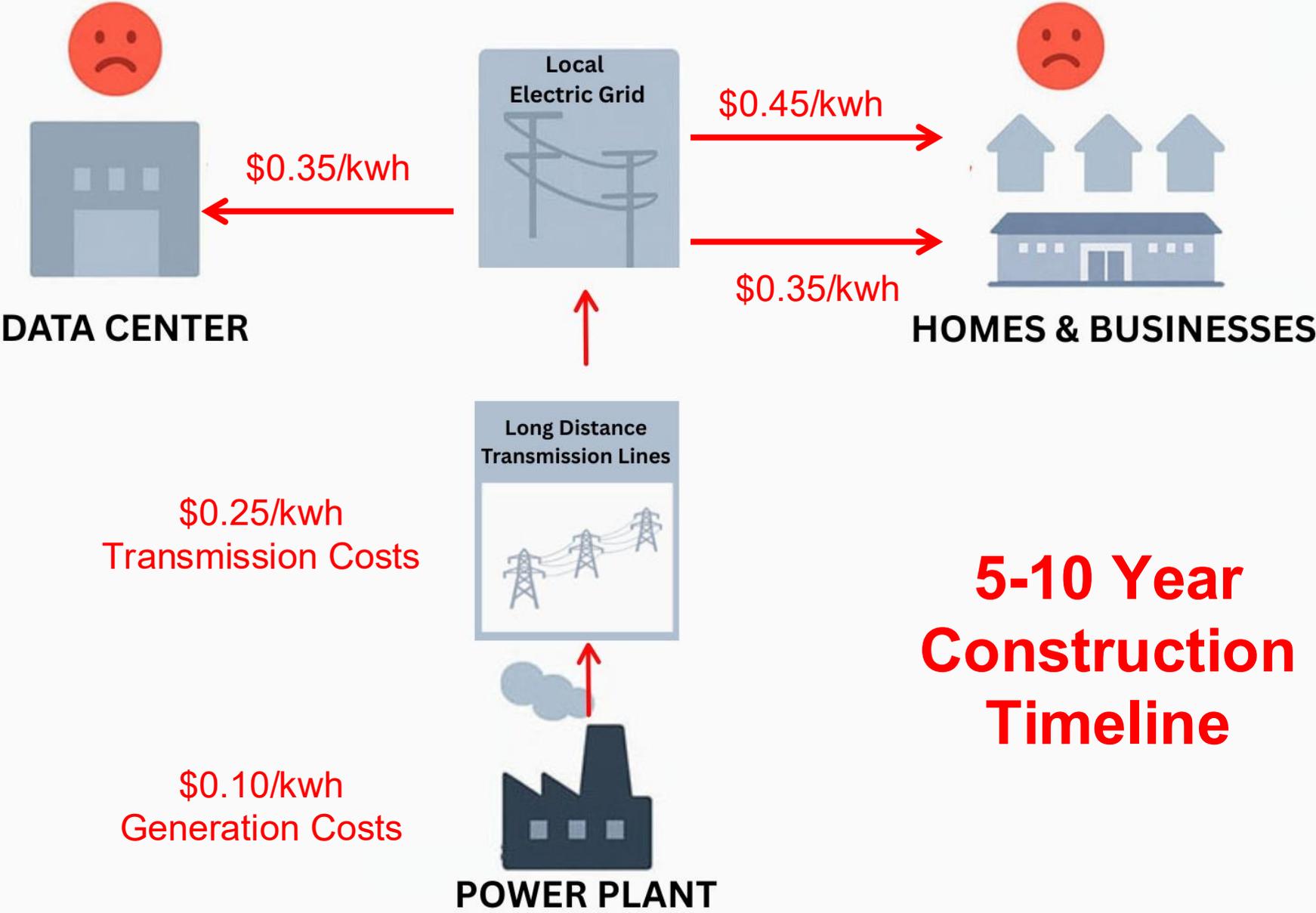
Electricity Costs are a Zero Sum Game - Rigged Against Ratepayers



The ENERGY SHOW



Data Center Power Provided Remotely From Utilities



Utilities Provide Slow and Expensive Power



The **ENERGY** SHOW

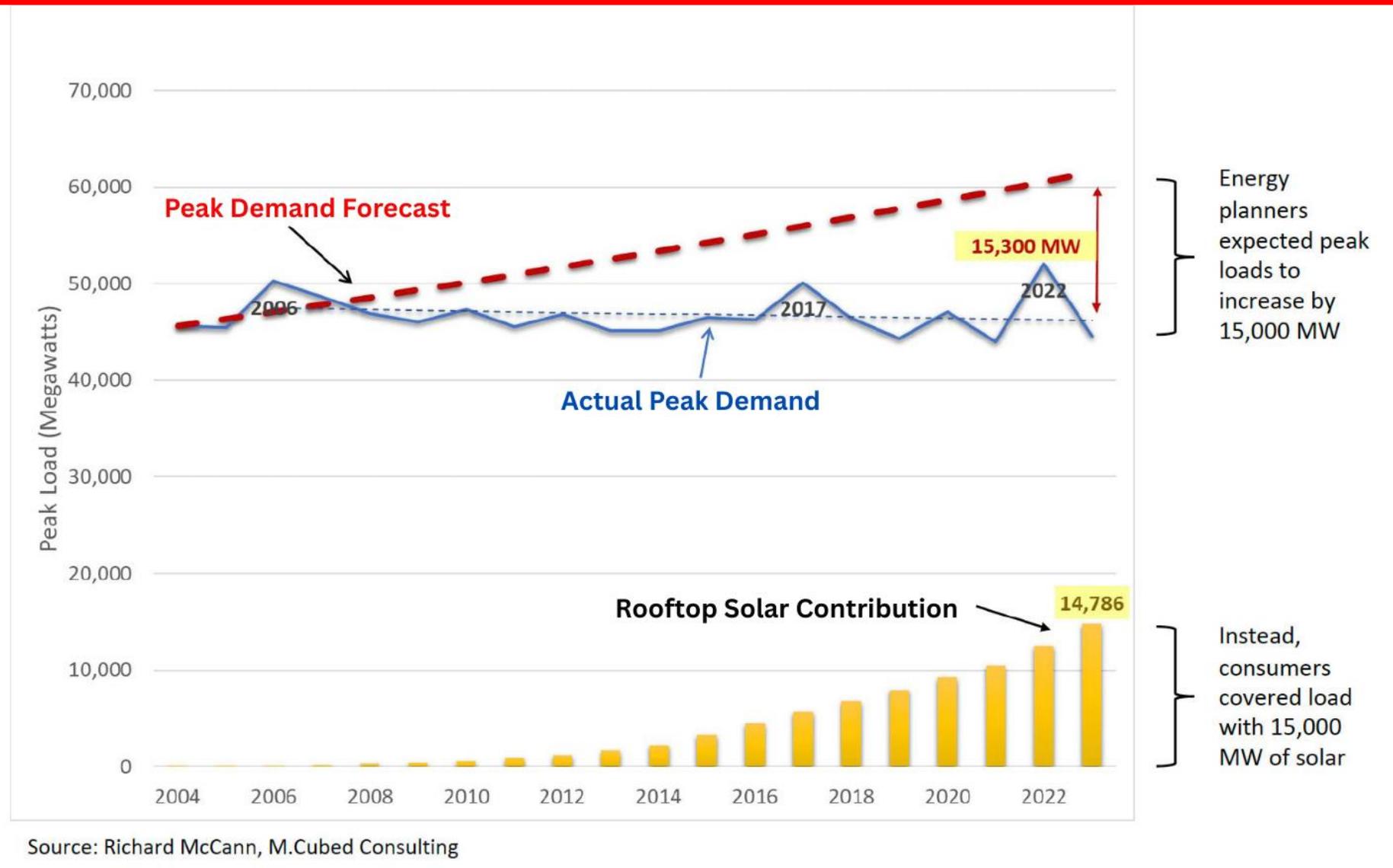
- **Utility timelines too long**
 - 7 years for new gas turbines
 - 10 years for new transmission lines
 - 20 years for nuclear
- **Ratepayers must pay up-front for utility build-out**
 - Until data centers use power, all costs born by ratepayers
 - Data center demand far outstrips new supply. Shortages and rate increases inevitable.
- **Energy affordability problems get even worse**

Power delays and high ratepayer costs jeopardize data center rollouts

But Wait - Rooftop Solar Already Provides 25% of Peak CA Load



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Distributed solar and storage fills in the peak demand gaps

Grid Capacity is Limited by Available Land & Transmission



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Energy Tetris – Fills in the Gaps with More Capacity



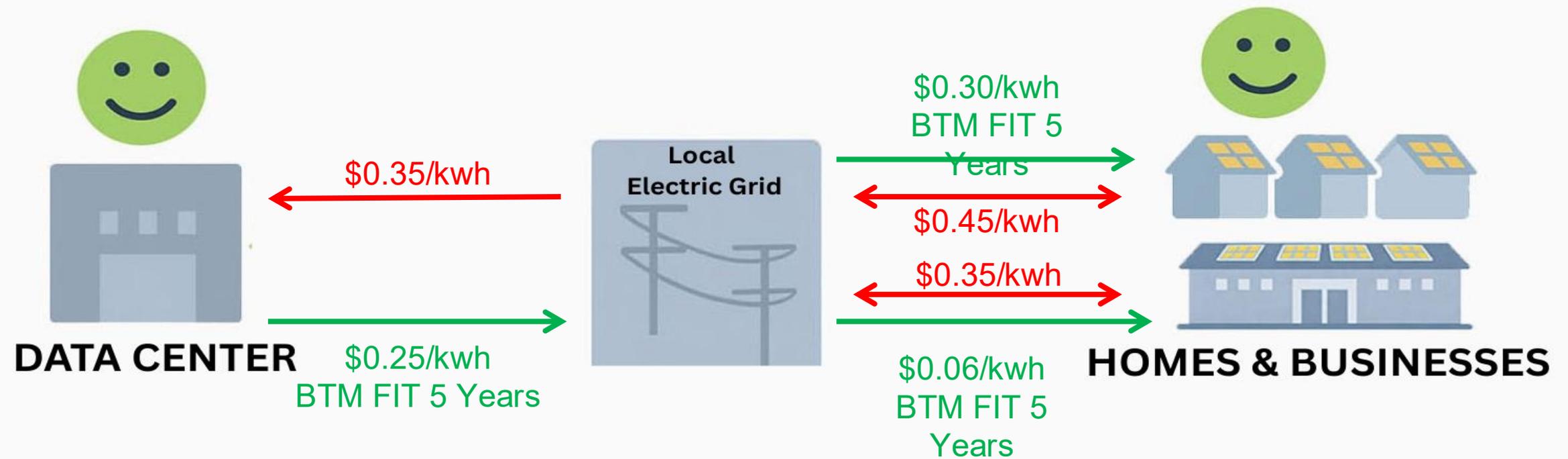
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Rooftop Solar & Storage Provides Fast & Cheap Power

A Behind-the-Meter Feed-In-Tariff (BTM FIT) paid by data centers to business and homes enables data centers to pay for the local grid power they need quickly and cheaply.



**1-2 Year Construction
Timeline**

Residential Economics



The ENERGY SHOW

	7 kw residential solar system
	20 kwh residential battery
	9,100 Generation kwh/yr
	\$0.30 BTM FIT payment per kwh
\$	13,718 Total BTM FIT payment over 5 yrs
\$	35,000 Total system cost
\$	21,282 Net system cost (no ITC)
\$	4,095 Solar savings per year
\$	1,000 Battery VPP savings per year
\$	25,475 Total 5 year savings
\$	4,193 Positive cash flow over 5 yrs

4.2 Simple payback years

Assumptions	Installation Cost/watt	Average Retail Rate	Credit Rate % of Retail	Credit Rate \$/kwh	Credit Type	Annual VPP \$/kwh	Solar Size kw	Storage Size kwh	Number of Systems
Residential	\$ 5.00	\$0.45	67%	\$0.30	BTM FIT	\$50	7	20	6,000
Commercial	\$ 2.50	\$0.35	16%	\$0.06	BTM FIT	\$39	500	1,000	115
BTM FIT Term		5 years		kwh/kw/yr	1,300				

Commercial Economics



The ENERGY SHOW

500 kw commercial solar system
1,000 kwh battery with 500 kw power
 650,000 Generation kwh/yr
\$0.06 BTM FIT payment per kwh
\$ 182,000 Total BTM FIT payment over 5 yrs
\$ 1,250,000 Total system cost
\$ 587,400 Net system cost less ITC and Depr.
\$ 113,750 Solar savings per year
\$ 38,889 Battery VPP savings per year
\$ 763,194 Total 5 year savings

\$ 175,794 Positive cash flow over 5 yrs
3.8 Simple payback years

Assumptions	Installation Cost/watt	Average Retail Rate	Credit Rate % of Retail	Credit Rate \$/kwh	Credit Type	Annual VPP \$/kwh	Solar Size kw	Storage Size kwh	Number of Systems
Residential	\$ 5.00	\$0.45	67%	\$0.30	BTM FIT	\$50	7	20	6,000
Commercial	\$ 2.50	\$0.35	16%	\$0.06	BTM FIT	\$39	500	1,000	115
BTM FIT Term		5 years		kwh/kw/yr	1,300				

Data Center Economics



The **ENERGY** SHOW

Provide Their Own Power on Local Grid

99,500	Total generation capacity kw added to local grid
129,350	Total energy kwh added to local grid
235,000	Total storage kwh added to local grid
117,500	Total Storage kw added to local grid
\$ 20,647,900	Annual cost
\$ 103,239,500	Total term cost
\$1.04	Cost per watt of solar capacity
\$0.16	Cost per kwh of solar generation

Cost for power during ramp up = bundled rate less BTM FIT credits

Cost for power after term = bundled rate

Assumptions	Installation Cost/watt	Average Retail Rate	Credit Rate % of Retail	Credit Rate \$/kwh	Credit Type	Annual VPP \$/kwh	Solar Size kw	Storage Size kwh	Number of Systems
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Data Center Payment Economics



The ENERGY SHOW

- **Residential and commercial host customers receive behind-the-meter feed-in-tariff (BTM FIT)**
 - Payment set at roughly 50% of retail rate (\$0.08 - \$0.23/kwh) for five years
 - Host customers stay on existing rates – no change to bundled rates
 - Payment to host customers via utility bill or CCAs where applicable
 - During build-out, data centers pay bundled rate less BTM FIT payments, after build-out data centers pay bundled rate
- **Each 100 Megawatt local power plant costs \$100 million paid over five years**
 - Provides 150 Mwh of electricity per year on local electric grid, offsetting data center requirements
 - Provides 235 Mwh of energy storage for off-peak power
- **Comparable utility power plants:**
 - **Utility Scale Solar 10-year ratepayer costs \$500 million with 10-year construction timeline**
100 Mw utility solar and storage costs \$150 million + \$100 million transmission and 10% annual profits, plus maintenance.
 - **Utility Gas Turbine Plant 10-year ratepayer costs \$550 million with 7-year construction timeline**
100 Mw utility gas turbine plant costs \$200 million plus \$15 million annual fuel costs and 10% annual profits, plus maintenance.

Powering Data Centers With Rooftop Solar and Storage



The **ENERGY** SHOW

Fast and inexpensive data center power

- Power in 2 years, not 10 years
- Delivered cheaper local grid capacity, roughly \$1/watt with storage

Eliminates customer electricity affordability problems

- Host customers get discounted rooftop solar and storage
- Host customers receive benefits of self-generation and storage
- All ratepayers benefit from reduced rates by avoiding extra utility infrastructure

