

What is the Impact of California's Infrastructure and Market Structure Priorities?

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Challenges Not Yet Addressed

- Local Reliability Constraints
 - CAISO says 25,000 MW needed to provide local reliability throughout state; avrg. 70% of gen in areas
 - Means market power for energy as well as capacity
 - Market power means prices will be high or will be capped at levels likely unappealing to generators
 - Mitigation of market power not consistent with generator wish for payment for fixed costs and end to energy caps
 - Higher costs also likely from CAISO desire to control all generation and assure generators have costs covered
 - Implication: **higher electricity prices and few benefits from competition**

Market Structure Will Not Help

- To mitigate market power:
 - new transmission to increase competition
 - longer-term bilateral energy and capacity contracts to reduce price volatility; Western US energy markets are based on bilateral contracts
 - Generation near load
 - MRTU market structure does not help
 - It complicates settlement of bilateral transactions
 - Its focus is on short-term markets, in which little power will trade, and on locational pricing for generation with averaged end user prices
 - impact of LMP on market power and transmission is unclear

Infrastructure Focus Needs Shift

- Need more policy and investment focus on transmission additions to mitigate local market power, increase access, and facilitate competition
 - “economic” transmission assessment still not ready
 - Transmission planning still not focused on competition and elimination of congestion affecting local area reliability
 - Too much transmission investment focus on renewables far from load and on imports, aka “backbone”; these will not decrease local market power
 - Transmission additions still laborious compared to generation
- Need more policy support and incentives for generation near load
 - Unclear if LMP will attract generation in local areas to decrease congestion and increase competition
 - Large customer DG would help (and not just renewable-based)
 - Such DG would add resources near load, reducing local area market power
 - It would be paid for by end-use customers themselves, not LSE customers
 - It would help fill gap left by terminating DWR contracts