



How Public-Private Partnerships Can Help States Meet Evolving Energy Challenges: *Facilitating Engagement with State Energy Offices*

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outwit complexity™

Evolving Energy – Key Challenges

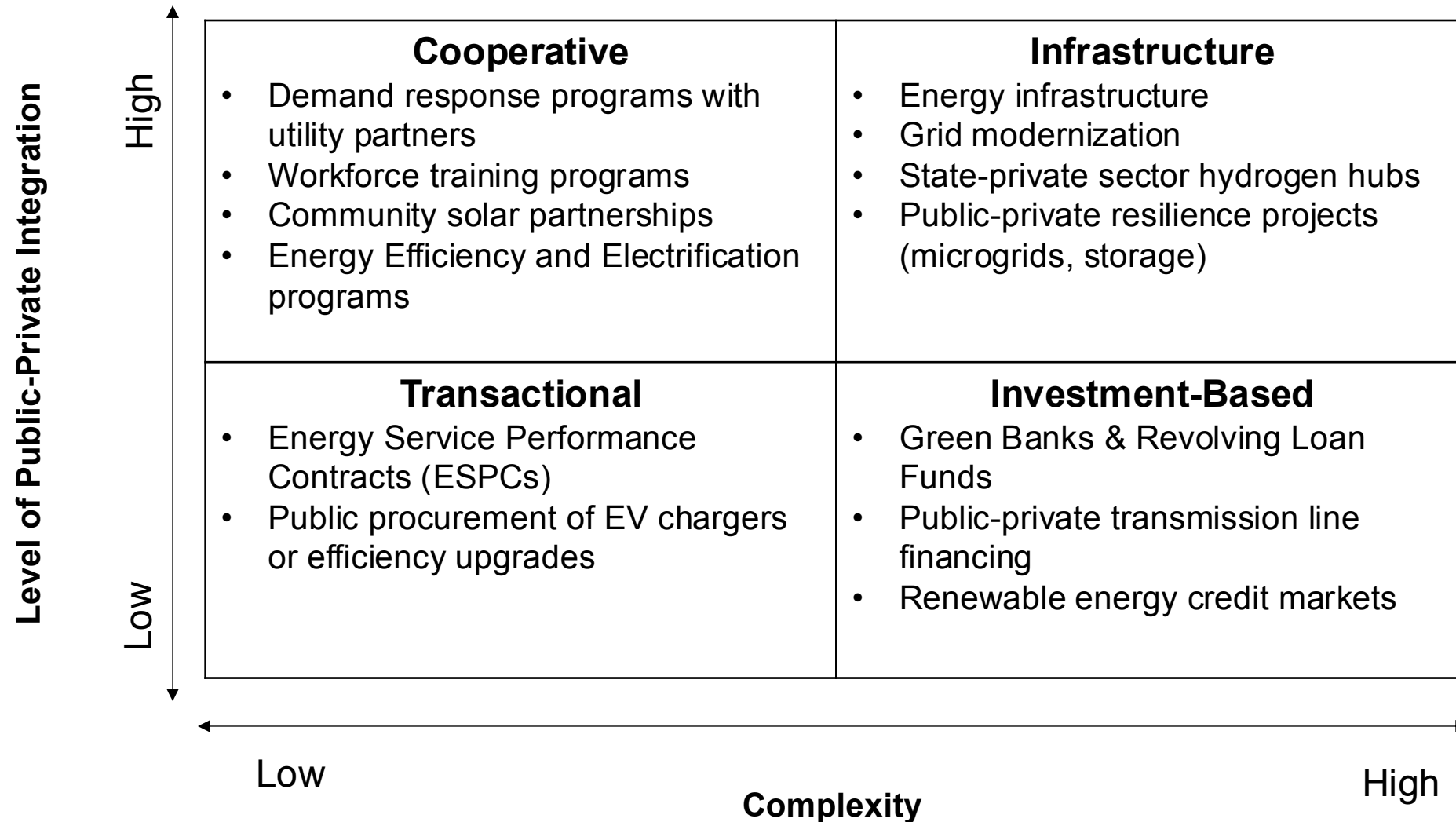
Six key challenges:

- **Resilience:** Extreme weather events & grid vulnerabilities (e.g., Texas freeze, hurricanes)
- **Reliability:** Balancing intermittent renewables, aging infrastructure, and rising demand
- **Investment:** Expanding transmission, energy storage, and grid modernization
- **Affordability:** Programs and policies that ensure access to reliable and cost-effective energy for residents
- **Reliance:** Demand growth from AI, automation, data centers and commercial & industrial signals an increasingly electrified economy
- **Innovation and Mindset:** 20+ years since electric load growth requires a shift in innovation and mindset



Demand growth from AI, automation, data centers and commercial & industrial signals an increasingly electrified economy. To realize the benefits of this growth and electrification, substantial investments in infrastructure, transmission and distribution networks, grid modernization, energy generation plus the rates / programs that support affordability are needed – an all at once response.

Public-Private Partnerships Address Investment and Prioritization



Public-Private Examples

- **New York:** Grid CONNECT brings together technology companies New York's utilities, researchers, and other stakeholders to accelerate innovative solutions and define challenges to build an electric grid that supports New York's climate goals while ensuring affordability. This innovation focuses on five priorities: stability, resilience, flexibility, storage as a grid asset, and grid-enhancing technologies.
- **Texas:** existing and potential infrastructure public private partnerships focused on grid infrastructure, advanced nuclear power and water infrastructure that provide low interest loans.
- **Georgia:** GEFA GRIP program with partners Oglethorpe Power, Georgia Transmission Corporation, Georgia System Operations and Green Power EMC.

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Thank You

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