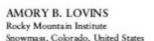


A brief history of RMI and our long-running interest in efficiency

Energy Efficiency, Taxonomic Overview











RMI - Energy. Transformed.

RMI's approach to realizing a climate-aligned energy transition: Think. Do. Scale.



Tipping Point



Education & Workforce Training

Data & Transparency

Finance

Technology

Policy







RMI released a new study evaluating GETs' ability to accelerate generator interconnection









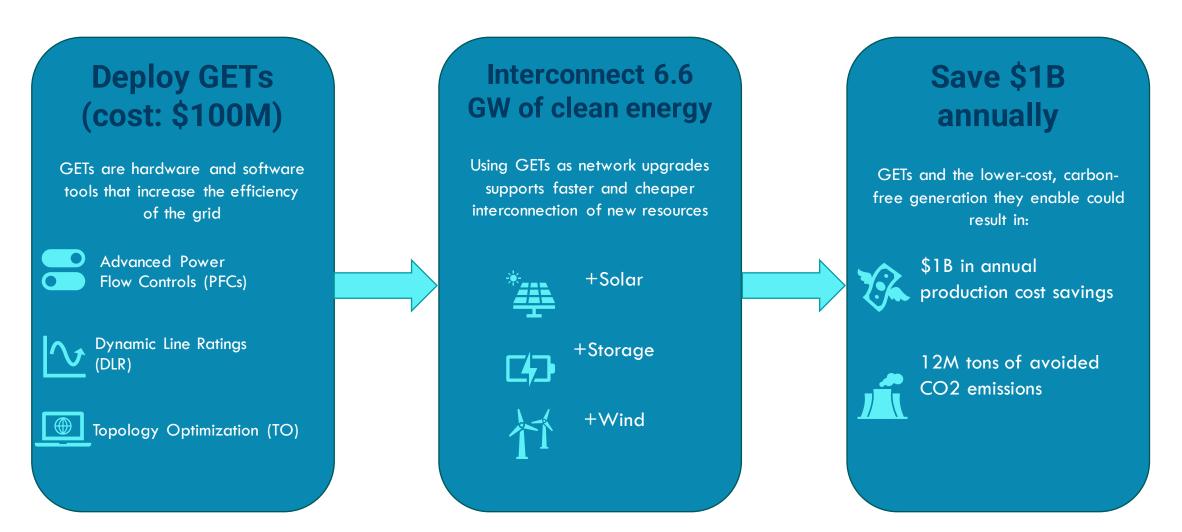




Consulted vendors

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Study summary: A \$100M deployment of GETs in PJM could lead to \$1B in annual savings that flows to ratepayers



Source: RMI

Lessons Learned: GETs can be applied in an interconnection study context and deliver substantial value

GETs are applicable in a planning paradigm

 Some GETs are viewed today as only operational tools; this fails to recognize their full potential

GETs can be modeled and deployed reliably

 Quanta and GETs vendors pressure-tested GETs application to ensure no adverse impacts elsewhere in the system while respecting all reliability criteria

GETs are complementary transmission solutions

 GETs can work well in combination (particularly DLR, which can be effectively paired with PFCs or TO) and serve as bridge solutions to longer-term transmission upgrades or as part of a broader transmission project

...But barriers to GETs adoption remain

GETs evaluation is not yet standardized and a lack of incentives impede their scaled deployment



Many utilities still lack **experience and familiarity** with these technologies and the range of use cases they may be suited for



GETs must be **incorporated into transmission models** and studies in order to support their routine evaluation in transmission planning processes



Cost-of-service regulation can deter utilities from deploying low-Cap Ex, efficiency-enhancing tools like GETs, creating a need for **better aligned incentives**

States have a variety of regulatory and policy options to support GETs deployments









Facilitate learning

State leaders can advance understanding of GETs among key energy industry players by convening a panel or discussion, establishing a working group, conducting a costbenefit analysis, etc.

Establish a requirement

State policymakers can require GETs consideration or deployment via the jurisdictional means at their disposal (e.g., as a part of utility IRPs, or as a statewide standard)

Incentivize GETs

State regulators can correct the misaligned utility incentive structure by developing a GETs incentive program, such as a shared savings incentive or other performance incentive mechanism (PIM)

RTO/federal advocacy

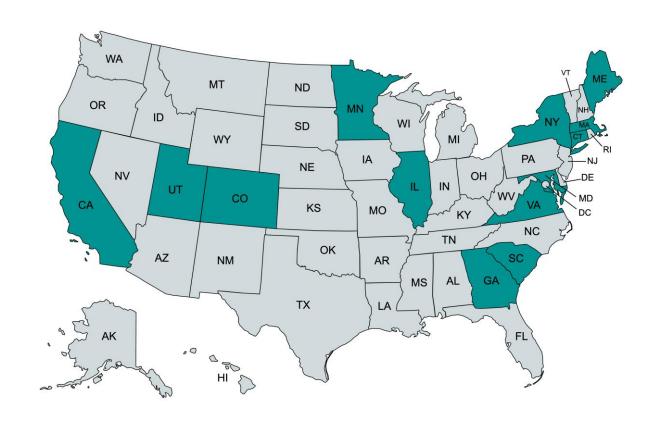
State leaders can engage in RTO and FERC proceedings to push for regional and federal regulatory reforms that would support GETs uptake, including development and standardization of GETs modeling approaches

And states are taking action

10+ states have proposed policies or initiated regulatory reforms to spur GETs uptake

In the past year, GETs have risen in prominence as cost-effective transmission tools that can help interconnect new generation and load in the near term, sparking interest from over a dozen states:

- 12+ states have proposed policies or considered regulation to encourage GETs deployment
- Diverse policies have been advanced including study requirements, incentives, and implementation plans
- Important considerations include state jurisdictional authority over transmission, state regulatory capacity, and existing programs that could be leveraged



Created with mapchart.net

Regional and federal regulatory efforts on GETs are also underway

RTOs and FERC are advancing efforts to streamline the study and deployment of GETs

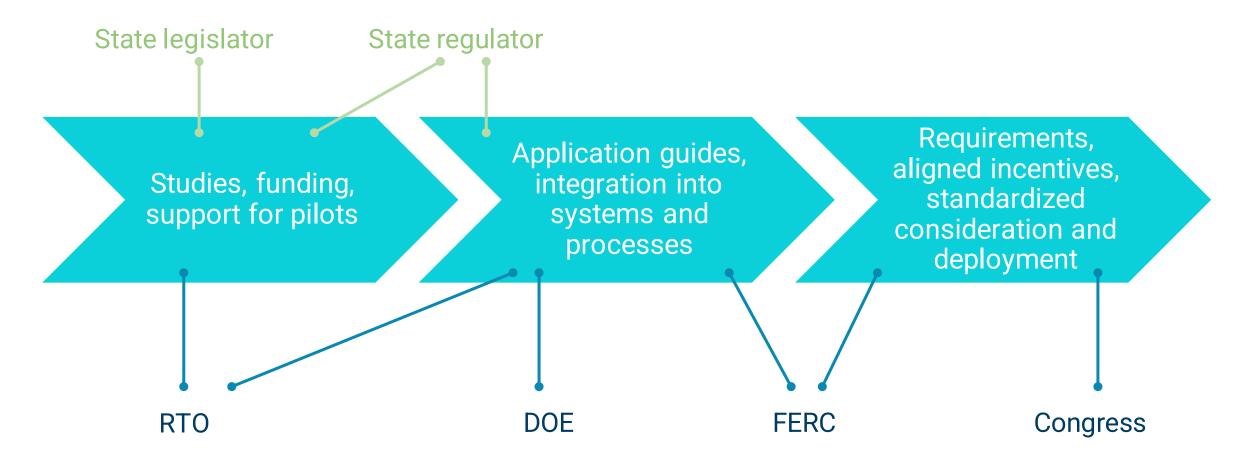
- PJM and regional utility PPL recently submitted comments to FERC's NOI on DLR affirming the technology's operational and reliability value
- PJM's Applied Innovation team is in the process of developing an application guide for GETs
- MISO now allows market participants to request grid reconfigurations to reduce congestion
- FERC Order 2023 requires consideration of alternative transmission technologies (including some GETs) in interconnection studies
 - RTO compliance filings are underway and expected to be submitted this spring/summer
- Federal funding is available to support GETs projects testing novel applications of the technologies (states are eligible applicants)





Policy pathway to scaled GETs deployments

The right policies and policy actors depend on the state of play in a particular jurisdiction



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Thank you

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Appendix / Extra slides