

Question	Answer
How can transmission bottlenecks be recognized, and even quantified, to solve congestion and constraints on the grid?	Locational prices show congestion costs in operations in RTO markets. Interconnection queue studies show congestion in the form of transmission upgrades needed for new generation. These studies are usually posted by RTOs.
Can Rob post his white paper on the interconnection with this presentation?	Sure. https://cleanenergygrid.org/wp-content/uploads/2021/01/Disconnected-The-Need-for-a-New-Generator-Interconnection-Policy-1.14.21.pdf
Could you comment on the technical and economic feasibility of large wind/solar energy production with curtailment vs. with large-scale storage systems?	To some extent, curtailment is likely to be expected for future renewables. Depending on the relative costs of generation, storage, and transmission, developers in the future will plan on operating with a certain amount of curtailment.
What would FERC have to do to enable interconnecting generators to recommend and pay for GETs solutions?	FERC could require transmission owners to provide interconnecting generators the option to have GETs deployed.
Fossil infrastructure will be abandoned...use the pipelines for underground transmission instead???	Or hydrogen. I expect most gas infrastructure will remain available at least for balancing.
How are GET considerations being institutionalized?	FERC is working on incentives. RTOs and some transmission owners are working on pilots. They are unfortunately not being regularly deployed.
Is the opportunity for federal legislation under the new admin to mandate better regional transmission planning? What would that look like ideally?	Yes, that is a bill that has been introduced in both the House and Senate last year, and likely will again in the 117th Congress.
How much need is there for new transmission right of ways, and how much can be achieved with new technologies using existing RoWs?	There is a lot that can be done with existing rights of way. Still, to double total transmission delivery capacity, more rights of way will surely be needed.
How can RTOs and TOs do a better job of considering the costs of a "do nothing" scenario or future when evaluating transmission planning solutions?	That's good to highlight and be clear about in plans.
should we start with a copper plate analysis to bound the benefits?	That is sometimes useful to consider.
Before FERC's new order is in place, what can be done to make ISO/RTOs to sit together and consider inter-regional collaboration?	Pressure from states has helped.
How can I get access to the paper that you will be presenting tomorrow?	See www.cleanenergygrid.org

What advice would you give a developer or utility that has a great regional line in mind and wants to start move forward? Who should they be talking to?	Customers who might need or benefit from it, then regional planning authorities.
What do you think the government's role should be in explaining this need to the public who will have involvement as landowners in getting these built?	It will help for the President, Secretary of Energy, FERC, and state officials to explain the importance of transmission.
What is your opinion on benefits and costs--are they evaluated once at beginning or updated throughout. If throughout, how?	They are often not explicitly considered. I think all the benefits and all the costs should be assembled to get the full picture.
I Leave in NY and I see no effort was made to have better transmission to favor wind production, solution? curtailment of wind!. your opinion . please	NY is finally building transmission to connect upstate and downstate.
If there are extensive distributed resources, how does that affect transmission - pick a region! Is there a good model of how to evaluate the tradeoffs?	It doesn't change much. Power still needs to move across large areas to keep the system balanced.
How can the split of authority between states and FERC be resolved?	It is a challenge and probably always will be.