

Linking Energy and Environmental Planning

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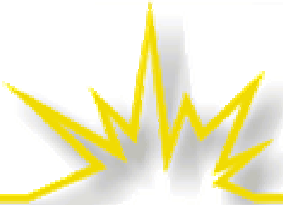
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<http://www.raonline.org>



Get Past Jargon

- Environment presents electric system constraints, not unlike other physical constraints utility planners already manage
 - ❖ Nature of constraints (magnitude, conditions) must be characterized as accurately as possible to produce the right measure of planning (long term) and operator (real time) response
- Regional electric system plan a good forum for integration



Planning: An Iterative Process, For Example...

- Characterizing environmental constraints is the first step – Be clear and specific
 - ❖ Under certain conditions, pollution from power (locational?) can't exceed certain limits >> procedure
 - ❖ Limits of cap and trade systems on peak days
- Include discussion of implications (incl. locational details) in Regional Transmission Expansion Plan (PJM), Regional System Plan (New England), Operating Plan, Environment Issues Advisory Group (NY)
- Environmental regulators take note of any operating changes



NESCAUM List + of Demand Side Incentives

- Wholesale
 - ❖ Demand Response
 - ❖ Capacity Payments for DER (New England FCM)
 - ❖ Energy and ancillary service market participation
- Retail
 - ❖ EPACT proceedings on pricing and metering
 - ❖ EE funding (SBC, distribution company)
 - ❖ DG barrier removal
- Environment
 - ❖ RGGI, if revenues are allocated to DER
 - ❖ SIP set asides, multipliers in certain circumstances
 - ❖ Clean Generation screen (DG and utility-scale)



Other Peak Reducing Initiatives of Mutual Interest

➤ Efficiency

- ❖ Building Energy Codes
- ❖ Appliance and Equipment Efficiency Standards
- ❖ ESCO markets and Performance Contracts

➤ Regional Initiatives

- ❖ MADRI, NEDRI
- ❖ Common rules, criteria, goals, restate “basic service”

➤ Public Engagement and Leadership