

Open Transmission Access: Scope, Dimensions, and Meaning

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Open Access: Minimal and Full Points of View

Minimal Access View:

- Permits All Physically Interconnected Generators and Buyers to do Transactions

Full Access View:

- Enables Market Based Opportunities and Flexibility for Generators

Common Characteristics of Minimal and Full Open Access

- Independent System Operator
- Transparent Operating Protocols
- Centralized System Planning
- Non Economic Security Constraints
- Opportunity for Non-Traditional Investment in Grid

Characteristics of Minimal Open Access

- a. Administrative Management of Congestion/Redispatch
- b. Administrative Management of Ancillary Services
- c. Top Down Planning Model
- d. Socialized (Partial or Total) Transmission Costs
- e. Base Rates (Various Formulations)
- f. Contract Model
- g. Emphasizes Price at Bus Bar

Characteristics of Full Open Access

- Locational Marginal Cost Pricing
- Congestion Pricing/Financial Transmission Rights
- Redispatch for Security Only
- Competitive Ancillary Services Market
- Base Rates (Various Formulations) Plus Congestion Rents
- Pool Model
- Participatory Planning Model
- Facilitates Demand Response Market
- Emphasizes Price at Delivery Point

General Conclusions on Minimal vs. Full Open Access

- Both Enable Competition, but Full OA Enables More Robust and Varied Market
- Full OA Produces More Sophisticated Price Signals and Incentives
 - Location Specific
 - Siting Incentives
 - Provide Economic Signals for Optimizing System Enhancements

General Conclusions on Minimal vs. Full Open Access – cont'd

- Full OA Provides More Business Opportunities for Generators
 - Ancillary Services
 - Trading FTRs
 - Swaps, Buy/Sell, Trading
- Full OA Provides More Opportunities for Buyers
 - Demand Response
 - Local Generation (e.g. Economic DG)
- Full OA is Less Dependent on Administrative Intervention in Market