



Coordination between Natural Gas and Electricity Markets Docket No. AD12-12-000

Scheduling Issues

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The views are those of the speaker and do not necessarily reflect the views of the Federal Energy Regulatory Commission or any Commissioner

Outline

- Nationwide Pipeline Scheduling vs. Regional Electric Scheduling
 - Gas/Electric Days
 - Scheduling

"Energy Days"

Normalized on Central Clock Time

Electric 12 AM - 12 AM Pacific

Electric 12 AM - 12 AM Mountain

Electric 12 AM - 12 AM Central

Electric 12 AM - 12 AM Eastern

Gas 9 AM to 9 AM

12am

6am

9am

12pm

6pm

12am

6am

9am

Scheduling

- Standard Nationwide Pipeline Scheduling
- Regional Transmission Scheduling

Pipeline Scheduling

**Noms
Due** **Effective**

Timely	11:30 AM	9 AM Next Day
Evening	6:00 PM	9 AM Next Day
ID 1	10:00 AM	5 PM Gas Day
ID2	5:00 PM	9 PM Gas Day

Pipeline Scheduling (cont)

- All nominations are for daily quantities
- Hourly flow requirements per Pipeline Tariff
- Pipeline may offer additional opportunities subject to confirmation of gas supplies

Other Scheduling Regulations

- Capacity Release Scheduled At Any Nomination Opportunity. §284.12(b) (1)(ii).
- No Scheduling To Redirect Scheduled Quantities Past A Point Of Constraint. Standard 1.3.80.
- Bump IT Across Pipelines Only At Scheduled Nominations. Standard 1.3.39

Transmission Scheduling

- Non-ISO Markets
 - Firm Schedules submitted by 10 AM Day Ahead or reasonable time. OATT: §13.8
- ISO/RTO Markets
 - Day Ahead
 - Reliability Based Scheduling
 - Real Time

ISO/RTO Scheduling (CT)

Day Ahead

Operating Day

(Close – Post)

CAISO 12 noon – 3 PM

CAISO Energy Day

MISO 10 AM – 2 PM

MISO Energy Day

SONE 11 AM – 3 PM

SONE Energy Day

PJM 11 AM – 3 PM

PJM Energy Day

NYISO 4 AM – 10 AM

NYISO Energy Day

12am 6am 12pm 6pm 12am 6am 12pm 6pm 12am

Gas Scheduling

ID 1

ID 2

Prior Gas Day

Current Gas Day

Timely

Evening

ID 1

ID 2

ISO/RTO Markets

NYISO

Gas Scheduling

ID 1

ID 2

Prior Gas Day

Current Gas Day

Timely

Evening

ID 1

ID 2