

DRAFT September 28, 2003

New York Independent System Operator, Inc.
FERC Electric Tariff
Original Volume No. 1
Attachment P

Original Sheet No. 631

ATTACHMENT P

DATA REQUIREMENTS FOR BILATERAL TRANSACTIONS

Table P-1: ~~— Data Requirements for Internal Generators Engaged in Bilateral Transactions~~

Table P-2: ~~— Data Requirements for External Generators Engaged in Bilateral Transactions~~

Table P-3: ~~— Data Requirements for Generator Commitment Bids for Generators Engaged in
Bilateral Transactions~~

Table P-4: Data Requirements for Bilateral Transaction
Schedule Requests

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Issued on: ~~— November 10, 2000~~

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Table P-1
Data Requirements for Internal Generators Engaged in Bilateral Transactions

Data Item	Cat.	Bid Parameters	Variability	Comments
Company Name	G	--	Static _____ Required	Parent Organization
Generator Name/No.	G	--	Static _____ Required	
Generator Unit Code/ID	G	--	Static _____ Required	Unique code which identifies the generator to the ISO.
Bus	G	Bus No.	Static _____ Required	Specific location of Generator within the NYCA.
Submitted By	G	Name	May vary _____ Required	Organization submitting bid. Multiple organization can be authorized to submit bids with the ISO accepting the most recent. A single organization must be specified to receive invoices from the ISO.
DMNC (Summer & Winter)	P/G	MW	Static _____ Required	Dependable Maximum Net Capability. Confirmed by test for units with installed capacity contracts, or historical production data.
Power Factor	P/G	MW/MVA	Static _____ Optional	Generator's tested Power Factor for producing reactive power (MVAr) at normal high operating limit MW output level, provided it is at least 90% of DMNC. This is required for Generators receiving Voltage Support Payments.
Installed Capacity Contracts	G	MW	May vary _____ Required	Installed Capacity contracts in effect with LSEs within the NY Control Area. The ISO may limit maximum and/or minimum amounts of Installed Capacity by location due to reliability Constraints.
Upper Operating Limit	C/D	MW	May change by hour for Day Ahead _____ Required	Maximum output of a unit that could be expected in any hour of the following operating day. The ISO must be informed of a limit change that results in less capability.
Normal Response Rate (NRR)	P/C/D	MW/min.	May vary _____ Required	To be provided as an expected response rate for SCD. The minimum acceptable response rate is 1% of a unit's gross output per minute.
Regulation Response Rate (RRR)	P/C/D	MW/Min.	Same as NRR _____ Optional	To be provided as an expected response for regulation. If RRR differs from NRR, the total expected response rate is restricted to the maximum of the two rates.
Emergency Response Rate (ERR)	P/C/D	MW/Min. or Piecewise linear curve with MW Output as independent variable and MW/Min. as dependent variable	Same as NRR _____ Optional	To be provided as expected response for reserve pickups; ERR must at least equal NRR. If ERR is reduced, then unit will be subject to a performance penalty if called upon. ERR for Class B Reserve bidders must at least equal the static NRR from Pre-Qualification data. Bidders must inform ISO of all changes to ERR.
Reactive Power Capability	P/G	Piecewise linear curve with MW as independent variable and +/- MVAr as dependent variable	Static _____ Optional	Update as changed.

Notes:

- Internal Generators Engaged in Bilateral Transactions are located within the NYCA.
- Cat = Data Categories: G = General; P = Pre-Qualification; C = Commitment; B = Balancing; D = Dispatch; I = Installed Capacity.
- Static Data remains relatively constant over the lifetime of bids but can be changed.
- General Data may be provided electronically or by mail, but requires a confirmation or Pre-Qualification process by the ISO.
- Some data will require substantiation by a test; actual data bid may be subject to validation checking against Pre-Qualification data.
- Optional = Required only when providing or bidding to provide the associated service.

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Table P-2

Data Requirements for External Generators Engaged in Bilateral Transactions

This data is not required for an external source when a proxy unit is used as the source.

Data Item	Cat.	Bid Parameters	Variability	Comments
Company Name	G	--	Static <u>Required</u>	Parent Organization
Generator Name/No.	G	--	Static <u>Required</u>	
Generator Unit Code/ID	G	--	Static <u>Required</u>	Unique code which identifies the generator to the ISO.
Control Area Proxy Bus	G	External Control Area and Proxy Bus No.	Static	Location of Generator External to the NYCA.
Submitted By	G	Name	May vary <u>Required</u>	Organization submitting bid. Multiple organization can be authorized to submit bids with the ISO accepting the most recent. A single organization must be specified to receive invoices from the ISO.
DMNC	P/G	MW	Static <u>Required</u>	Dependable Maximum Net Capability. Confirmed by test for units with installed capacity contracts. This data is not required for an external source when a proxy unit is used as source.
Installed Capacity Contracts	P/G	MW	Variable (not within a bid) Optional	Installed Capacity contracts in effect with LSEs within the NYCA. The ISO may limit maximum and/or minimum amounts of Installed Capacity by location due to reliability constraints.
Upper Operating Limit	C/D	MW	May change by hour for Day-Ahead <u>Required</u>	Maximum output of a unit that could be expected in any hour of the following operating day. The ISO must be informed of a limit change that results in less capability.

Notes:

- External Generators engaged in Bilateral Transactions are located outside the NYCA.
- Cat. = Data Categories: G = General; P = Pre-Qualification; C = Commitment; B = Balancing; D = Dispatch; I = Installed Capacity.
- Static Data remains relatively constant over the lifetime of bids but can be changed.
- General Data may be provided electronically or by mail, but requires a confirmation or Pre-Qualification process by the ISO.
- Some data will require substantiation by a test; actual data bid may be subject to validation checking against Pre-Qualification data.
- Optional = Required only when providing or bidding to provide the associated service.

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Table P-3

Data Requirements for Generator Commitment Bids for Generators Engaged in Bilateral Transactions

This data is not required for an external source when a proxy unit is used as the source.

Data Item	Cat.	Bid Parameters	Variability	Comments
Startup Time	C/B	Hours:Minutes or Piecewise linear curve with Hours Off-Line as independent variable and Hours to Start as dependent variable	May be changed for any Day Ahead Commitment _____ Required	Length of time needed to startup an off-line Generator, synchronize it to the power grid, and stabilize at minimum.
Startup Bid Price	C/B	\$ to Start or Piecewise linear curve with Hours Off-Line as independent variable and \$ to Start as dependent variable	May be changed for any Day Ahead Commitment _____ Required	
Minimum Run Time	C/B	Hours:Minutes	May be changed for any Day Ahead Commitment; may not be changed once unit is on-line _____ Required	Duration of time that Generator must run once started before it can subsequently be decommitted. Minimum Run Time cannot be honored past the end of the Dispatch Day.
Minimum Down Time	C/B	Hours:Minutes	May be changed for any Day Ahead Commitment _____ Required	Duration of time that Generator must remain off-line following decommission before it can be re-started.
Maximum Number of Startups per Day	C/B	No.	Static _____ Required	

Notes:

Cat. = Data Categories: G = General; P = Pre-Qualification; C = Commitment; B = Balancing; D = Dispatch; I = Installed Capacity.
 Static Data remains relatively constant over the lifetime of bids but can be changed.

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Table P-41

Data Requirements for Bilateral Transaction Schedule Requests

~~(Internal or External Generators Associated With Bilateral Transaction Schedule Requests Must Complete Table P-1 or Table P-2 Respectively and Table P-3)~~ Must Also Comply With All Applicable Requirements Set Forth in Attachment D to the ISO Services Tariff.)

Data Item	Cat.	Bid Parameters	Variability	Comments
Company Names	G/P	--	Static	Both the buyer (LSE receiving the Transaction) and seller (actual Generator supplying the Transaction) must be identified.
Point of Injection (Source) Location	C/B	For Internal Generators: Gen I.D. or For External Generators: Proxy Gen I.D.	May Vary Daily	Same as Table P-1 or P-2 designation; specific <u>Specific</u> location of <u>Internal</u> Generator within the NYCA; or location of Generator; the identity of the Control Area where an External to the NYCA Generator is located.
Point of Withdrawal (Sink Location)	C/B	For Internal Loads: Load I.D. or For External Loads: <u>Proxy</u> Load I.D.	May Vary Daily	
Submitted By	C/B	Name	May vary	
Firm vs. Non-Firm Transmission Service	C/B	Designate whether Firm or non-Firm Transmission Service is desired; also designate NERC Contract Priority.	May vary daily	Firm transmission service may be subject to Congestion charges; non-Firm Transmission Service will avoid Congestion (to the extent feasible).
Desired Schedule	C/B	MW	May vary for Day-Ahead by hour; if not scheduled may request BME (Hour Ahead) <u>RTC</u> Schedule	
Decremental Bid	C/B	Generally the same as Energy Bids from Internal (On-Dispatch and Off-Dispatch) and External	May vary for Day-Ahead by hour; if not scheduled may	Decremental bid <u>Bid</u> may consist of single price block bid for minimum loading segment, <u>along with single price block bids or piecewise linear curve for levels above minimum.</u>

		Generators, bid may be negative.	submit different BME (Hour Ahead), RTC Decremental Bid	Resulting bid curves must be monotonically increasing (possessing a positive slope at all points).
Price Capped Energy Block Bid for Load	C/B	No. Of Blocks, MW/Block, and \$/MW/Block	May vary for Day-Ahead by hour.	Bidding is limited to the Day-Ahead Market.
Minimum Run Time	C/B	Hours: Minutes	May be changed for any Day-Ahead Commitment. Required	For Day-Ahead multi-hour block transactions only. Duration of time that Transaction must run once started before it can subsequently be decommitted. Minimum Run Time cannot be honored past the end of the Dispatch Day. MW and Bid must be constant over the Bid time period.
Notes: Cat. = Data Categories: G = General; P = Pre-Qualification; C = Commitment; B = Balancing; D = Dispatch; I = Installed Capacity.				

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Sheet Nos. 636 through 640 are reserved for future use.

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