

Product	Count	Suggestion	Comments
	40,919	???	Need to ask the users what blanks meant
BACK-UP POWER	69	ENERGY	Really ENERGY, similar to SUPPLEMENTAL POWER
BILLING SERVICE	12	???	I don't think this is relevant to EQR, in Q1 I found only one company that used this term.
BOOKED OUT POWER	1,460,564	BOOKED OUT ENERGY	okay, either use ENERGY or POWER consistently; used when no energy flowed, when there are Buy/Sell deals financially netted.
CAPACITY	75,511	CAPACITY	Also called UCAP, In the NewEngland, NY, PJM ISOs markets, this is the required capacity that load serving entities must. UCAP is reduced from UNIT INSTALLED CAPACITY on the availability of the generating unit.
COST-BASED POWER	18,145	ENERGY	really ENERGY, the tariff or contract is where cost-based vs. market-based should be defined, not in the transactions.
CUSTOMER CHARGE	504	???	It does not appear to be related to energy, capacity, ancillaries or transmission; I looked a few of the companies and it appears to be mostly a flat rate all month, some kind of tariff type charge to customers.
DEMAND CHARGE	4,023	DEMAND CHARGE	okay, sometimes also known as a RESERVATION CHARGE; usually a fixed \$ amount in addition to the actual energy MWhrs which are sold at a \$/MWhr rate. The pricing would look something like (\$ 350,000 + quantity of MWhrs* \$ 45/MWhr) Do you want it included in the total price and not broken out separately???
DIRECT ASSIGNMENT FACILITIES CHARGE	344	???	We will need the user's to define; could be transmission tariff specific item. Not used in wholesale markets
DYNAMIC TRANSFER	54	???	We will need the user's to define this; there were only 3 companies that used this in Q1
ECONOMY POWER	17	ENERGY	Really ENERGY
EMERGENCY ENERGY	1,348	EMERGENCY ENERGY	okay, I've only seen this used at the ISOs, small \$\$\$
ENERGY	4,021,058	ENERGY	okay
ENERGY FURNISHED WITHOUT CHARGE	623	ENERGY	Really energy, but the price would be \$ 0.00.
ENERGY IMBALANCE	96,539	ENERGY	This is the offset to ENERGY, when real-time MWhrs don't match day-ahead MWhrs; but hard to match one to one, due to the netting of all energy positions at the ISO level; could be positive or negative.

EXCHANGE	786	???	We will need the user's to define. I'm guessing ENERGY. If exchanged, more like book-out.
FOR MARKET-BASED POWER SALES:	32	ENERGY	really ENERGY, the tariff or contract is where cost-based vs. market-based should be defined, not in the transactions.
FOR SERVICES	18	???	We will need the user's to define, I think people are just dumping their accounting billing system items into the database and not looking to see if the items make sense.
FOR TRANSMISSION:	3	NETWORK & TRANSMISSION CHARGE	We will need the user's to define, sounds like NETWORK
FUEL CHARGE	804	FUEL CHARGE	When energy is sold out of a generating unit, there may be several items of payment; start up charges based on number of starts (hot, cold, fuel type), fuel charge/reimbursement (MMBTUs gas, or heat rate), in addition to the energy charge. See also DEMAND CHARGE. The pricing would look something like (\$ 350,000 + no of starts*\$100/start + MMBTU fuel used*\$3.00 + MWhrs*\$45.00/MWhr) Do you want it included in the total price and not broken out separately??
GRANDFATHERED BUNDLED	829	GRANDFATHERED BUNDLED	Not a term used in the open market. Sounds like tariff, if so then defined in contracts not transactions.
INTERCHANGE POWER	41,349	ENERGY	really ENERGY, point of delivery and point of receipt would define the interchange points.
INTERCONNECTION AGREEMENT	67	INTERCONNECTION AGREEMENT	Typically ISO participants pay this to the ISOs;are there companies out there that charge this to the their customers? Possible if the contract is a pass-through reimbursement type setup; ie Company A pays ISO, Company B pays Company A. Could also be agreement between Utility and a transmission customer
LOAD FOLLOWING	51,389	ENERGY	really ENERGY, but instead of a fixed volume in every hr, ie 50 MW, it varies from hour to hour due to load fluctuations. Quantity and hr start, hr end defines this product.
MARGINAL PEAKING	7	ENERGY	Really ENERGY, marginal is defined by hr start and hr end.

MEMBERSHIP AGREEMENT	26	MEMBERSHIP AGREEMENT	Typically ISO participants pay this to the ISOs;are there companies out there that charge this to the their customers? Possible if the contract is a pass-through reimbursement type setup; ie Company A pays ISO, Company B pays Company A. Could also be agreement between Utility and a transmission customer
MUST RUN	15	SUPPLEMENTAL RESERVE	Part of a larger bucket called SUPPLEMENTAL RESERVE. This is usually paid by ISOs to generator that were called on, out of economic merit and made whole to their costs.
NETWORK	364	NETWORK & TRANSMISSION CHARGE	We will need the user's to define; could be transmission tariff specific item. Not used in wholesale markets
NETWORK OPERATING AGREEMENT	140	NETWORK OPERATING AGREEMENT	Typically ISO participants pay this to the ISOs;are there companies out there that charge this to the their customers? Possible if the contract is a pass-through reimbursement type setup; ie Company A pays ISO, Company B pays Company A. Could also be agreement between Utility and a transmission customer
OTHER	63,632	??	We will need the user's to define what goes into OTHER.
PEAKING	61	ENERGY	Really Energy, peaking is defined by hr start and hr end, usually hr 8 to hr 23.
POINT-TO-POINT	53,464	ENERGY	really ENERGY, point of delivery and point of receipt would define the points.
POWER	1,102	ENERGY	really ENERGY
REACTIVE SUPPLY & VOLTAGE CONTROL	46,919	REACTIVE SUPPLY & VOLTAGE CONTROL	okay, typically ISO payments, also called VAR, small \$\$ paid to generators. Looks like a lot of transactions because paid every hour.
REAL POWER TRANSMISSION LOSS	157,087	TRANSMISSION LOSSES	okay, sounds like someone is paying for the transmission loss component when energy is delivered. Many times it is embedded in the energy price/delivery; sometimes separately itemized and negotiated.
REGULATION & FREQUENCY RESPONSE	63,279	REGULATION & FREQUENCY RESPONSE	okay, typically ISO payments, very small \$\$, also known as AGC paid to generators. Looks like a lot of transactions, but that is because the payments are different every hour every day, so in a thirty day month you could have 720 rows time how many companies are filing.
RETURN IN KIND TRANSACTIONS BETWEEN CONTROL AREAS	25	EXCHANGE	We will need the user's to define, similar to EXCHANGE ??
SALE WITH EXCHANGE	21	EXCHANGE	We will need the user's to define, similar to EXCHANGE ??

SCHEDULE SYSTEM CONTROL & DISPATCH	27,306	SCHEDULE SYSTEM CONTROL & DISPATCH	Typically ISO participants pay this to the ISOs;are there companies out there that charge this to the their customers? Possible if the contract is a pass-through reimbursement type setup; ie Company A pays ISO, Company B pays Company A.
SPECIALIZED AFFILIATE TRANSACTIONS	20	???	We will need the user's to define
SPINNING RESERVE	61,263	SPINNING RESERVE	okay, typically ISO payments, small \$\$, in New England was also called TMOR, TMNSR, TMSR paid to generators. Same as above, looks like a lot of transactions, but small in the whole scheme of things.
SUPPLEMENTAL POWER	8,625	ENERGY	really ENERGY, typically used when a customer uses energy over and above the initial contracted amount. The tariff or contract is where this should be defined, not in transactions.
SUPPLEMENTAL RESERVE	125,306	SUPPLEMENTAL RESERVE	okay, typically ISO payments to generators, may also includes Operating Reserve, Uplift, Reliability Must Run payments, Lost Opportunity Cost payments from the ISO to the generators. Reserve payments could be significant.
SYSTEM BLACK START CAPABILITY	257	SYSTEM BLACK START CAPABILITY	okay, typically ISO payments to a generator, could be very big \$\$\$
SYSTEM IMPACT AND/OR FACILITIES STUDY CHARGE(S)	19	???	I don't think this is relevant to EQR
SYSTEM OPERATING AGREEMENTS	47	SYSTEM OPERATING AGREEMENTS	Typically ISO participants pay this to the ISOs;are there companies out there that charge this to the their customers? Possible if the contract is a pass-through reimbursement type setup; ie Company A pays ISO, Company B pays Company A. Could also be agreement between Utility and a transmission customer
TRANSMISSION OWNERS AGREEMENT	492	TRANSMISSION OWNERS AGREEMENT	Typically ISO participants pay this to the ISOs;are there companies out there that charge this to the their customers? Possible if the contract is a pass-through reimbursement type setup; ie Company A pays ISO, Company B pays Company A. Could also be agreement between Utility and a transmission customer
UNIT CAPACITY	960	CAPACITY	This is capacity specifically linked to a generating unit; merge this with CAPACITY; is there a need to distinguish??
UNIT POWER SALE	379,201	ENERGY	really ENERGY but out of a specific generating unit; the point of delivery usually tells unit, ie. GeneratorA Bus