

# Tracking Electricity Imports

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Products*

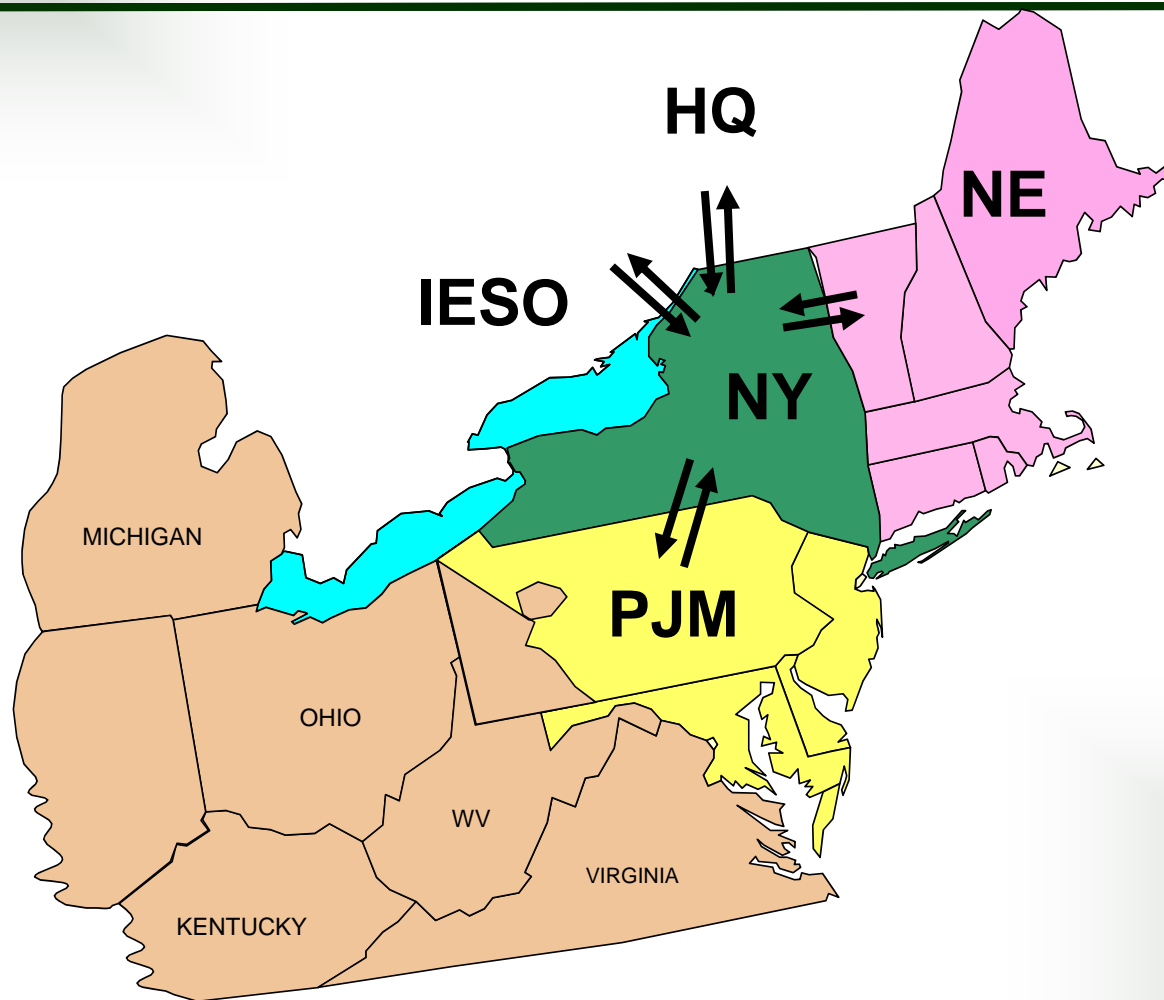
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# Goals of this Presentation

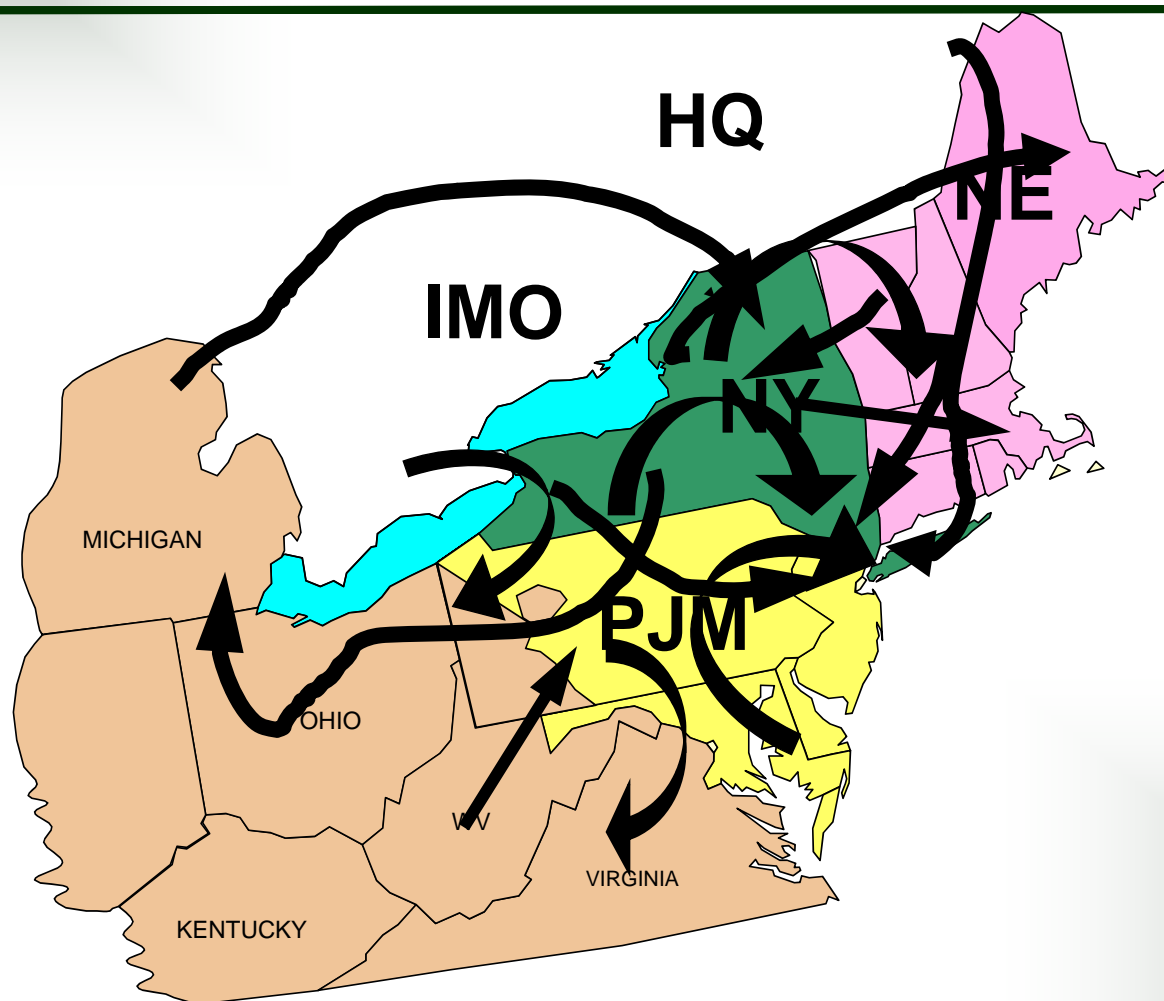
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- ◆ Understand the difference between external transaction contract flows and physical flows
- ◆ Overview of NERC transaction tag mechanism
- ◆ Summary of aggregated NYISO external transactions
- ◆ Implications of data tracking systems

# Schedules (Market World)



# Actual Power Flows (Operation's World)



# NERC Tags

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A NERC Tag identifies the transaction to all appropriate Control Areas- required for all external transactions

Four required components for entry of a NERC Tag (E-Tag):

- SCA: Sending Control Area (NERC Identifier)
- PSE: Purchasing Selling Entity
- Unique # A Unique Number
- RCA Receiving Control Area

A tag is submitted through a Tag Authority Service (e.g. OATI) and provided to all Control Areas impacted.

Used in the checkout process between Control Areas.

## External Transaction Checkout and Settlement

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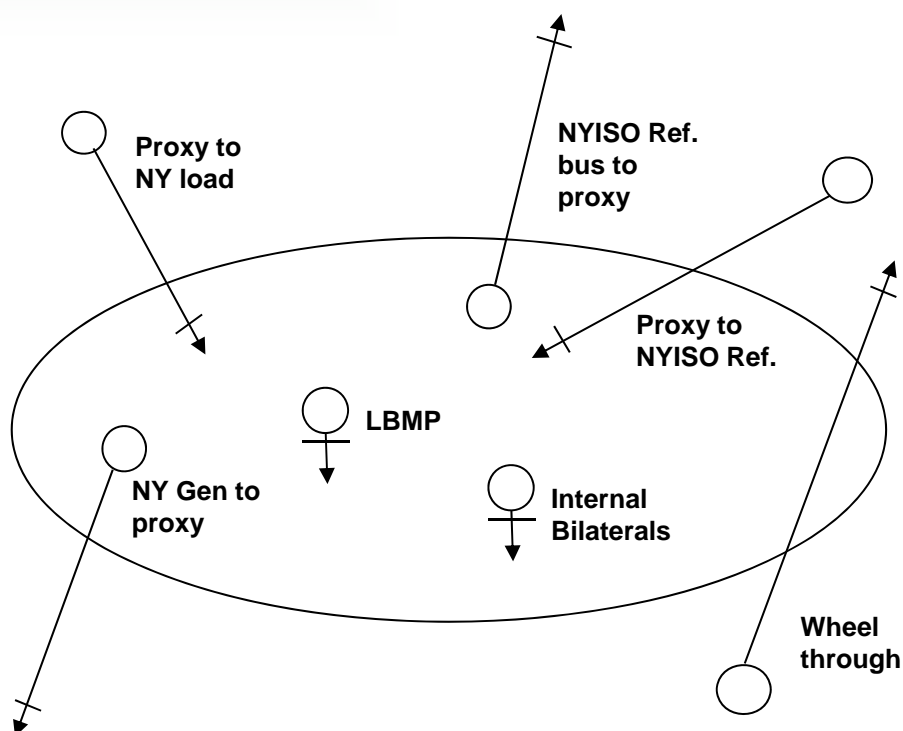
Transactions may be submitted for evaluation in the Day-Ahead Market or the Hour Ahead Market.

Transactions must check out with the appropriate control areas (day ahead and/or hourly).

Acceptance is financially binding for the DAM.

Once accepted in the Day-Ahead Market the transaction bid is carried over as an hourly bid for RTC evaluation.

# Details of NYISO External Transactions



External transaction data,  
July 2004-June 2005 –  
percentages are approximate

**Internal LBMP sales: 42.5%**

**Internal Bilateral sales: 38.3%**

**NYISO Reference bus to  
External Proxy bus: 2.9%**

**NY generator to external  
Proxy bus: 1.0%**

**External Proxy bus to  
NY load: 0.3%**

**External Proxy bus to NYISO  
Reference bus: 14.6%**

**Wheel-throughs: 0.4%**

# Implications for Tracking Imports and Exports

- ◆ For imports, no specific generator information is known
- ◆ Exports from specific generators to external proxy buses can be tracked by the exporting control area
- ◆ Internal and external LBMP sales are indistinguishable
- ◆ Internal bilateral sales can be identified separately

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# Questions?

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