

# **Comprehensive Bid Management System Project**

## **Energy Markets Product Management**

PPT – May 26, 2006

# Presentation Outline

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- ◆ Value Proposition (Objective)
- ◆ Drivers
- ◆ Deliverables
- ◆ Benefits
- ◆ High-Level Schedule
- ◆ Estimated Cost

# Value Proposition (Objective)

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- ◆ Stabilize and modernize critical NYISO Marketplace applications by thoroughly re-engineering the core software infrastructure, systematically replacing the current MIS architecture over a number of years

# Drivers

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- ◆ Aging Marketplace infrastructure
  - *Current MIS implemented with NYISO start-up*
  - ***Need to ensure long-term stability and reliability***
- ◆ Commitment to improve Marketplace availability
- ◆ Commitment to improve system performance
- ◆ Commitment to improve execution in delivering future enhancements

# Deliverables

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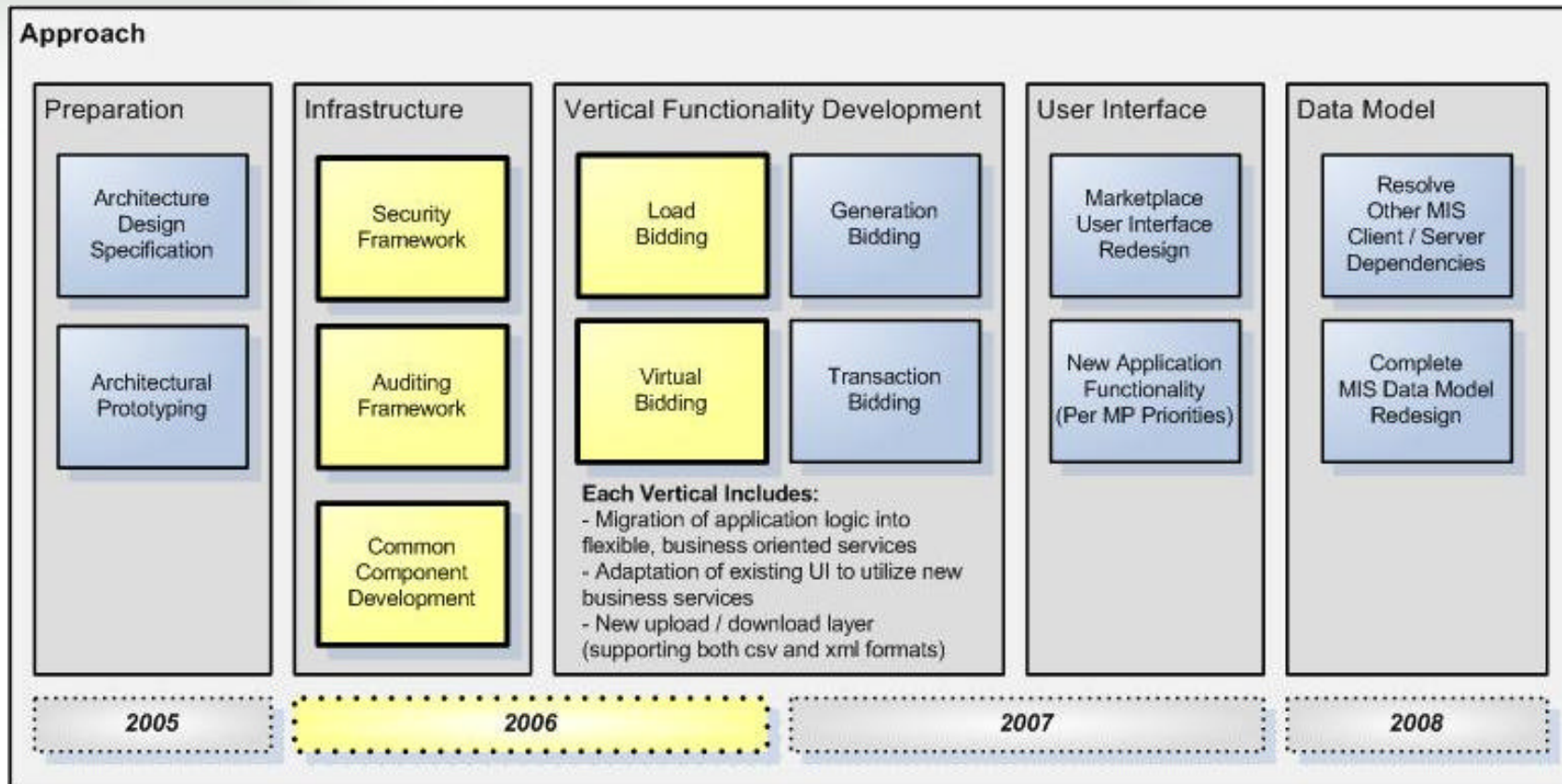
- ◆ Migration of existing Marketplace application logic into flexible, business oriented ‘services’
  - *Phased delivery by functional area*
    - Load, Virtual, Generation, and Transaction Bidding
- ◆ New application security architecture
  - *Providing “single sign-on” across NYISO applications*
- ◆ More flexible XML-based upload / download
  - *Continued CSV support to ensure smooth transition*
- ◆ Redesigned Marketplace user interface
- ◆ Redesigned data model to optimize performance

# Benefits

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- ◆ World class availability for NYISO Marketplace
  - *Minimize unplanned outages*
  - *Limit the frequency and duration of planned outages*
- ◆ Improved application performance
  - *Scalability to support future growth*
- ◆ Improved flexibility
  - *Allows faster, more predictable delivery of future Marketplace application enhancements*
- ◆ Reduced ongoing maintenance costs
  - *Consistent architecture across NYISO market applications provides efficiencies*

# High-Level Schedule



- ◆ **2006 Deliverables Targeted for Late Q3 / Q4 Delivery**

# Estimated Costs – 2006

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- ◆ 2006 Total Cost Estimate: \$1.52M
  - *NYISO: \$0.7M*
  - *Consultancy: \$0.72M*
  - *Capital: \$0.1M*



# Estimated Costs – Future Years

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- ◆ 2007 Total (Preliminary Estimate): \$2.4M
  - *NYISO: \$1.0M*
  - *Consultancy: \$1.4M*
  - *Capital: TBD\**
  
- ◆ 2008 Total (Preliminary Estimate): \$1.1M
  - *NYISO: \$0.6M*
  - *Consultancy: \$0.5M*
  - *Capital: TBD\**

*\* Capital costs are expected in 2007-08 to expand capacity of existing production infrastructure. Extent of these costs to be determined along with technical design work in 2006.*