

## **Dimitrios Kordonis**

*Consultant*

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Dimitrios Kordonis has experience in market operations, financial and power system analyses, and project management. He works with clients on matters including transmission planning, energy markets operations and procurement, renewable energy system integration and economics, market analytics, and stakeholder support. Prior to joining La Capra Associates, Mr. Kordonis worked six years for ISO New England as a market operations analyst where he was responsible for power system analyses, Day-Ahead Market, Financial Transmission Right, and Forward Reserve Market administration.

Mr. Kordonis has an Electrical Engineering degree from Rutgers and an MBA from the University of Massachusetts, in addition to serving in the U.S. Navy for four years as a Gas Systems Engineer.

### **PROFESSIONAL EXPERIENCE**

#### ***Procurement/Market Analysis***

- Prepared projections of Locational Marginal Prices (LMP), Financial Transmission Rights/Congestion Revenue Rights (FTR/CRR) Clearing Prices, Reserve Market Clearing Prices and FCM Clearing Prices using market simulation tools and analyzed the results.
- Key contributor to Wind integration, demand response integration and Long Term Financial Transmission Rights integration efforts at ISO-NE.
- Contributed subject matter expert content for published reports circulated by ISO-NE to Market Participants describing strategic market initiatives and potential issues.
- Identified new areas of enhancements to improve asset management in various de-regulated markets that include PJM, MISO and ERCOT.
- Contributed in the valuation of assets (Coal and Wind) that included financial modeling, forecasting, and market analysis.
- Assisted in evaluating and submitting bids to various markets in the US. This included bids for Day Ahead and Real Time markets, Reserve markets, Financial Transmission Rights and Capacity markets.

#### ***Transmission/Planning***

- Performed short term load flow transmission studies to assess system reliability to support NEPOOL and ISO-NE requests.
- Performed daily economic impact analysis of short term transmission outages (TARA) to minimize economic impact in accordance with the ISO's market rules and operating procedures.
- Supported and assisted in special studies to determine reliable operating limits for internal and external interfaces to ISO-NE.
- Assessed technical thermal analysis of transmission and generation outages focused on specific asset or transmission element.
- Implemented NERC CIP program and conducted NERC risk based methodology assessment for all Edison Mission Energy's critical assets and critical cyber assets.

- Evaluated Non Transmission Alternatives for major transmission enhancements to determine whether they met the region's reliability criteria and assessed their cost.

### **Market and Asset Management Modeling**

- Improved the methodology used for the development of the Financial Transmission Rights assumptions for ISO-NE that resulted in congestion revenue adequacy for multiple years.
- Assisted in various enhancements to ISO-NE's simultaneous feasibility test (SFT) and Scheduling, Pricing and Dispatch (SPD), that included introduction of the Combined Cycle generators, Wind assets and Demand Response in the Day Ahead and Real Time Markets.
- Reviewed asset management modeling for various utilities and identified potential improvements.
- Conducted multiple Forward Reserve Market runs to support new market developments and requests.
- Reviewed capital plans and cost recovery mechanisms for electric distribution and transmission capital expenditures that included engineering review of construction budgets and system performance.

### **Renewable Energy**

- Contributed to Wind integration at ISO-NE. This included market and operations enhancements in addition to market testing and operator training.
- Assisted in the valuation of new Wind assets in the MISO and ERCOT markets.
- Implemented real time dispatch and curtailment logic at Edison Mission Energy's Big Sky (PJM Market) and Goat Wind (ERCOT) assets.

### **Stakeholder process**

- Assisted in presenting enhancements to the Financial Transmission Rights market at the ISO-NE's market committee.
- Conducted data analyses and evaluations to correctly implement proposed Market Rules for the Forward Reserve and Forward Capacity markets.
- Attended multiple ISO-NE Market Committee meetings as a subject matter expert and responded to market participant questions related to proposed market rule changes.

### **Testimony Submitted**

- Before State of Connecticut Public Utilities Regulatory Authority on behalf of Yale University in regards to potential rate payer benefits as a result of the replacement of Yale's aging Central Cogeneration Power Plant. Docket No. 15-02-06, April 2015.

## **EMPLOYMENT HISTORY**

**La Capra Associates, Inc.**  
*Consultant*

Boston, MA  
*September 2013 – Present*

**Edison Mission Marketing & Trading**  
*Applications Analyst*

Boston, MA  
*October 2012 – September 2013*

**ISO-New England**

*Senior Market Operations Analyst*

*Market Operations Analyst*

*Associate Market Operations Analyst*

Holyoke, MA

*January 2012 - September 2012*

*February 2008 – January 2012*

*November 2007 – January 2008*

**EDUCATION**

**University of Massachusetts**

*Masters of Business Administration*

Amherst, MA

*2011*

**Rutgers School of Engineering**

*M.S., Electrical and Computer Engineering*

New Brunswick, NJ

*2007*

*B.S., Electrical and Computer Engineering*

*2002 - 2005*

*Minor in Economics*

**United States Navy (USS Monterey CG-61)**

*Gas Systems Engineer and Work Center Supervisor*

Norfolk, VA

*September 1998 – September 2002*

**PROFESSIONAL TRAINING & SKILLS**

**Programming/Languages:** C++, PL/SQL, Matlab, PSPICE, Oracle Discoverer

**Engineering Programs:** ALSTOM PowerFlow and Contingency Analysis, SCADA, EMS (Energy Management System), PowerWorld, TARA, P/SEE

**ACHIEVMENTS, PRESENTATIONS & CONFERENCES**

***Achievements***

*Member of IEEE since 2004*

*Received three Navy Achievement Medals (1998-2002)*

***Presentations & Conferences***

*Speaker at AREVA Winter Conference, Seattle, WA, (2009) — “Challenges of Contingency Analysis in the Day and Real Time Markets”*

*Presenter at Wholesale Electricity Markets (WEM 201) course at ISO-NE Section “Unit Commitment and Dispatch”*