



City of Seattle Boards & Commissions Notice of Appointment

Appointee Name: <i>John Putz</i>		
Board/Commission Name: <i>Seattle City Light Review Panel</i>		Position Title: <i>At Large</i>
<input checked="" type="checkbox"/> Appointment OR <input type="checkbox"/> Reappointment		Council Confirmation required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Appointing Authority: <input checked="" type="checkbox"/> Council <input type="checkbox"/> Mayor <input type="checkbox"/> Other: <i>Fill in appointing authority</i>	Date Appointed: <i>9/1/2016</i>	Term of Position: * <i>10/1/2016</i> to <i>9/30/2019</i>
Residential Neighborhood:	Zip Code:	Contact Phone No.:
Background:		
Authorizing Signature (original signature): 		Appointing Signatory: <i>Kshama Sawant, Councilmember</i>

*Term begin and end date is fixed and tied to the position and not appointment date.

JOHN PUTZ



SUMMARY

Experienced energy and energy software industry professional. PhD physicist with strong knowledge of power and gas markets. Varied experience as a principal quantitative analyst at a wholesale trading and risk management company for regional utilities and at a macro hedge fund. Managed an enterprise software team. Consultant to many Western and Texas-based utilities. Innovator with deep understanding of bilateral and organized energy markets.

EXPERIENCE

The Energy Authority (2007-Present)

Research Scientist

Broad-based analysis, project management, procurement and strategic consulting as part of national energy company focused on Western power and gas markets. Projects include:

- ***Strategic Advising – Lead Consultant***
 - Project manager and designer of feasibility studies and consultant to California entities pursuing Community Choice Aggregation
 - Advising a California utility on long-term portfolio construction and managing non-standard risks related to renewables build-outs.
 - Advising a group of utilities in California on decision of whether and which organized market to join including developing self-build options.
- ***Renewables Procurement*** – Developed valuation methodology and worked with small team on RFP and procurement of two solar projects in California.
- ***Developed Thermal Delta Hedging Program*** – Created and implemented a dynamic delta hedging program for a thermal plant to extract extrinsic option value of plant.
- ***California Utility Analysis*** – Managed project to assist a California entity to join the CAISO market.
- ***Designed and Managed Development of Hydro Optimization System*** – Project managed and designed a state of the art serial hydro optimization solution to provide flexible, risk-adjusted hydro dispatch tool for Northwest utilities.
- ***Designed and Built Risk Management System*** – Designed and built system to deliver risk management services to NW utilities. Developed correlated Monte Carlo simulation for gas prices, market heat rates, hydro generation and customer load using R. Built cash flow model to calculate risk metric and portfolio valuations using VBA (currently converting to .Net).
- ***Structuring and Valuation*** – Experience valuing variety of spread positions – basis, calendar, spark – variable gen (wind, hydro) assets, as well as plain vanilla options.
- ***Trading Strategy Development and Analysis*** – Ongoing work with west coast forward traders to analyze strategies, identify opportunities, and develop tools to facilitate implementation.
- ***Trading*** – Developed tools and traded Henry Hub volatility (*vega* position). Also originated and developed profitable programmatic mean-reverting heat-rate trading strategy.
- ***Assorted Quantitative Analysis*** – Built variety of quantitative models and tools including: price forecast models and forward curve models.
- ***MRTU Lead*** – Wrote an overview White Paper comparing current and future market design and business practices.

- **Founded Quant Group** – Founded and lead a group to discuss quantitative topics relevant to power and gas markets across North America.
- **Originated Internal Think Tank / Incubator** – Originated and lead an internal incubator to develop proposals for new business opportunities, as well as to provide strategic guidance to senior TEA executives.

Tahoma Capital (2006)

Senior Analyst for Commodities, and Interest Rate and Credit Derivative Gamma/Vega Portfolios

- Senior analyst at macro / multi-strategy start-up hedge fund, for a wide-ranging commodities portfolio and an interest rate gamma-vega and credit derivatives portfolio.
- Primarily focused on analysis and trading on medium/long-term directional commodities portfolio. Conducted fundamental and technical market analysis.
- Assisted with research and StatArb modeling for the interest rate gamma-vega portfolios. Jointly responsible for coding, maintaining, and enhancing the functionality of the commodities, gamma-vega, and credit derivatives portfolios.

Sungard Energy Systems (2000-2005)

Chief Strategist and Architect for Power Scheduling (2005)

Led effort to strategize and scope out design for next generation physical power system. Solicited and incorporated feedback from large customer base, including leading large customer gathering in Houston to brainstorm requirements. Aggregated, formulated and presented design options to senior management team at Sungard for review and decision.

Director - Product Development (2003-2004)

Responsible for all aspects of the ACES wholesale power trading and asset management system. Led a team of 15. Primary point of contact for a widely diversified customer base including marketers, IOUs, municipalities, transmission providers and scheduling agencies. Managed remote office and interactions with senior management in Houston. Responsible for identifying and translating strategic direction based on customer interactions and communicating to and managing development team's efforts. Assisted sales team in positioning and pitching products to potential customers. Customer base almost exclusively west of the Rockies, including many California utilities.

Managing Consultant (2000-2003)

Managed large, six to eighteen-month long, enterprise-wide software system implementations for regulated and unregulated electricity marketers, and transmission providers. As project manager, worked to identify stakeholders, scope out requirements, manage team, timeline and budget, communicate project status, manage expectations and changes of scope, and deliver final product.

University of Washington (1990-1994; 1995-2000)

Researcher and Teaching Assistant

Research – Pursued research in high energy particle physics through the University of Washington at the European Center for Particle Physics Research (*CERN*) in Geneva, Switzerland. Research was on aspects of the electro-weak and nuclear forces. The data was collected at the Large Electron-Positron collider and consisted of 4 million electron-positron collisions.

Teaching – Served as teaching assistant for both introductory and advanced classes and laboratories.

EDUCATION

University of Washington, Department of Physics – PhD 2000

Thesis – “A Measurement of the Branching Fraction of the D_s Meson to a Muon and a Neutrino”

Additionally – Designed test system for new silicon vertex detector for the Aleph detector on the LEP collider at CERN.

University of Washington, Department of Physics – M.S. 1991

Research – Conducted research in theoretical condensed matter physics on the wetting phase transition in oil-water-amphiphile system. Also, assisted in research on a discrete grid theory of gravity.

University of Pennsylvania, B.A., Physics – 1988

City Light Review Panel

[9] Members: Pursuant to [Ordinance 123256], all members subject to City Council confirmation, [3]-year terms:

- 4 City Council-appointed
- 5 Mayor-appointed
- 0 Other Appointing Authority-appointed (specify):

Roster:

*D	**G	RD	Position No.	Position Title	Name	Term Begin Date	Term End Date	Term #	Appointed By
6	M		1.	Economist	Tom Lienesch	12/15/14	4/11/17	3	Mayor
6	F		2.	Financial Analyst	Julia M. Ryan	5/19/14	4/11/17	3	Council
6	F		3.	Non-Profit Representative	Sara Patton	2/2/15	1/27/18	1	Mayor
			4.	Residential Customer Representative	Thomas Buchanan	10/1/16	9/30/19	1	Council
6	M		5.	Commercial Customer Representative	David Allen	11/01/15	11/01/18	3	Mayor
			6.	Industrial Customer Representative	Patrick Jablonski	10/1/16	9/30/19	1	Council
			7.	Low-Income Customer Representative	Leon Garnett	4/10/16	4/11/19	1	Mayor
			8.	Member at Large	John Putz	10/1/16	9/30/19	1	Council
6	F		9.	Suburban Franchise Representative	Gail E. Labanara	2/2/15	1/27/18	1	Mayor

SELF-IDENTIFIED DIVERSITY CHART (1) (2) (3) (4) (5) (6) (7) (8) (9)

	Men	Women	Transgender	Unknown	Asian	Black/ African American	Hispanic/ Latino	American Indian/ Alaska Native	Other (Specification Optional)	Caucasian/ Non- Hispanic	Pacific Islander	Middle Eastern	Multiracial
Mayor	3	2								4			
Council	3	1								1			
Other													
Total	6	3								5			

Key:

- *D List the corresponding *Diversity Chart* number (1 through 9)
 - **G List *gender*, M = Male, F= Female, T= Transgender, U= Unknown
 - RD Residential Council District number 1 through 7 or N/A
- Diversity information is self-identified and is voluntary.*