



Principal Economist V

Job Code	20001006	Job Family	Business & Operations Analysis	Professional / Knowledge Worker	
Department	Rates Econ & Energy Risk Mgmt	Reports to	Sr Mgr Rates/Econ/Enrg Rsk Mgt	Union Status	Non-Represented
FLSA Status	Exempt	Pay Grade	2060	This Job is a Lead	No
Last Updated	12/1/2022				

Accountability for Workplace Culture

Our PUD values are at the center of our culture. Putting the safety, health, and well-being of our communities and those we work with is valued above all else and everyone on Team PUD must meet this commitment daily. Nothing we do in achieving our Mission is worth a single injury, and all who interact with us must feel they are valued and welcomed as individuals.

Everyone on Team PUD, in all positions, is accountable for achieving this safe and welcoming culture by:

1. Taking full ownership for the safety of themselves and their coworkers, while ensuring everyone feels valued and welcomed.
2. Taking action to identify and eliminate their own and others' at-risk behaviors, including the behaviors that may undermine another's feelings of being welcomed and valued.
3. Following all safety rules and regulations and ensuring the PUD's expectations for conduct and respect are maintained.
4. Openly sharing near-misses, safety learning opportunities, and ways we can learn to be a more welcoming place while encouraging others to do the same.
5. Utilizing Stop Work Authority to intervene with anyone, anytime, in any place.
6. Intervening or seeking guidance to stop actions that are harmful to the wellbeing, health, or sense of belonging of others, and which are detrimental to our PUD values.

Job Summary

Subject matter expert in all of the department's core functions: Rates, Economics, and Energy Risk Management. Proactive leader of at least one of these functions who delivers continuous improvement through applying best practices, creative problem solving, and deep knowledge discovery through data inference and exploration. Possesses master levels of competency in data analytics, science, and modeling. Possess high-levels of leadership skills and serves as a top consultant to the District in these fields. Leverages leadership skills to lead teams of PUD staff, stakeholders, and utility groups. Coordinates and performs work with de minimis supervision.

Accountabilities

Accountability #1

Authors materials and presents to the General Manager, Board of Commissioners, and the Public with de minimis supervision, and similar responsibilities.

Accountability #2

With de minimis supervision, proactively leads Electric System Cost of Service Studies. Coordinates with Power Supply, Finance, and other Electric System Divisions on cost issues as needed. Maintains data stores necessary to perform cost of service studies and maintains knowledge of current cost of service issues in the utility business. Leads the development of retail rates and charges for bundled electric service, electric commodity, retail wheeling and other retail products and services. Develops rates and charges for wholesale wheeling and on-site generation related services. Reviews District cost structure including power costs to ensure that District rates and charges recover the costs of the District, and similar responsibilities.

Accountability #3

With de minimis supervision, proactively leads the development of load forecasts and other econometric forecasts in support of the department and the District. Researches, plans, designs, and implements sound forecasting methods. Proactively and independently plans, designs, monitors, operates and maintains the District's load survey samples. Produces load profiles and other load analyses as required using a variety of application software tools. Coordinates load survey metering requirements with the Metering Department. Leads the design, modification, testing and implementation of pertinent data marts. Plans, organizes and coordinates departmental acceptance testing of Customer Data Mart releases. Independently researches and compiles data to prepare formal reports for District compliance with State, BPA and/or Federal Regulations and Grants. Performs high-level data analytics, science, and modeling, and similar responsibilities.

Accountability #4

Proactively and independently researches, plans, designs, and implements energy risk management practices, policies, or procedures. Builds and maintains associated data management and modeling, and similar responsibilities.

Accountability #5

Proactively and independently works with District attorneys and management to develop and negotiate a variety of retail and wholesale contractual agreements with de minimis supervision, and similar responsibilities.

Accountability #6

Accountability #7

Accountability #8

Accountability #9

Accountability #10

Minimum Qualifications Note

The minimum qualifications listed below are representative of the knowledge, skills, and abilities needed to perform this job successfully, as described in the Accountabilities. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential Accountabilities (duties and responsibilities) of this position. If you need assistance and/or a reasonable accommodation due to a disability during the application or recruiting process, please contact Human Resources at HRRecruiting@snopud.com, or by phone at 425-783-8655.

Qualifications – Education and Experience

Minimum Required Education and Experience:

Doctorate in Economics, Data Science, Business, Engineering, or related field, AND
Four (4) years of experience in rate-making, forecasting, energy/commodities/financial risk management, and/or conducting quantitative analyses;

OR

Master's Degree in Economics, Data Science, Business, Engineering, or related field, AND
Six (6) years of experience in rate-making, forecasting, energy/commodities/financial risk management, and/or conducting quantitative analyses;

OR

Bachelor's Degree in Economics, Data Science, Business, Engineering, or related field, AND
Eight (8) years of experience in rate-making, forecasting, energy/commodities/financial risk management, and/or conducting quantitative analyses;

OR

Twelve (12) years of experience in rate-making, forecasting, energy/commodities/financial risk management, and/or conducting quantitative analyses.

Preferred Education and Experience:

Qualifications – License(s) and/or Certification(s)

Minimum Required License(s) and/or Certification(s):

Preferred License(s) and/or Certification(s):

Qualifications – Skills and Abilities

Minimum Required Skills and Abilities:

Mastery of excel, forecasting techniques, quantitative risk management, and/or data wrangling.

Preferred Skills and Abilities:

Mastery in any of the above plus very high competency in R, PowerBI, @Risk, and/or Knime or other data modeling and management software.

Competencies

The following competencies describe the cluster of behaviors associated with job success in the job group identified as “Professional / Knowledge Worker”.

- Adaptability
- Building Customer Loyalty
- Building Partnerships
- Communication
- Continuous Improvement
- Continuous Learning
- Courage
- Decision Making
- Earning Trust
- Emotional Intelligence Essentials
- Facilitating Change
- Influencing
- Initiating Action
- Innovation
- Leveraging Feedback
- Mentoring
- Planning and Organizing
- Positive Approach
- Professional Knowledge and Aptitude
- Stress Tolerance
- Technology Savvy
- Valuing Differences
- Work Standards

Physical Demands

Physical Demands List

Frequency

Sit	Constant (67-100%)
Walk	Seldom (1-10%)
Stand	Occasional (11-33%)
Drive	Seldom (1-10%)
Work on ladders	Never
Climb poles or trees	Never
Work at excessive heights (note heights in open text box below)	Never
Twist	Never
Bend/Stoop	Never
Squat/Kneel	Never
Crawl	Never
Reach	Never
Work above shoulders (note specific activity in open text box below)	Never
Use Keyboard /mouse	Constant (67-100%)
Use wrist (flexion/extension)	Never
Grasp (forceful)	Never
Fine finger manipulation	Never
Operate foot controls	Never
Lift (note weight in open text box below)	Never
Carry (note weight in open text box below)	Never
Push/Pull (note specifics in open text box below)	Never
Work rapidly for long periods	Seldom (1-10%)
Use close vision	Constant (67-100%)
Use distance vision	Seldom (1-10%)
Use color vision	Never
Use peripheral depth perception	Never
Speak	Occasional (11-33%)
Hear	Occasional (11-33%)

Additional Physical Demands not listed above and associated frequency below.

Mental Demands

Communication

Frequency

Understand and carry out simple oral instructions	Occasional (11-33%)
Understand and carry out complicated oral instructions	Occasional (11-33%)
Train other workers	Seldom (1-10%)
Work alone	Frequent (34-66%)
Work as a member of a team	Occasional (11-33%)
Follow standards for work interactions	Constant (67-100%)
Write communications for clarity and understanding	Occasional (11-33%)
Speak with clarity with others	Occasional (11-33%)
Comprehension	Frequency
Read and carry out simple instructions	Frequent (34-66%)
Read and carry out complicated instructions	Frequent (34-66%)
Retain relevant job information	Constant (67-100%)
Reasoning	Frequency
Read and interpret data	Frequent (34-66%)
Count and make simple arithmetic additions and subtractions	Frequent (34-66%)
Use intermediate and/or advanced math	Frequent (34-66%)
Organization	Frequency
Plan own work activities	Constant (67-100%)
Plan work activities of others	Constant (67-100%)
Direct work activities of others	Constant (67-100%)
Resilience	Frequency
Work under pressure	Occasional (11-33%)
Work for long periods of time	Occasional (11-33%)
Work on several tasks at the same time	Occasional (11-33%)

Additional Mental Demands not listed above and associated frequency below.

Work Environment

Environmental Conditions List	Frequency
Exposure to weather	Never
Wet and/or humidity	Never
Atmospheric conditions	Never
Confined/restricted working environment	Never
Vibratory Tasks – High	Never
Vibratory Tasks – Low	Never

Additional Environmental Conditions in this job not listed above and the associated frequency below.

Risk Conditions List	Frequency
Exposure to Heights	Never
Exposure to Electricity	Never
Exposure to Toxic or Caustic Chemicals	Never
Working with Explosives	Never
Exposure to Radiant Energy	Never
Extreme Cold	Never
Extreme Hot	Never
Proximity to Moving Mechanical Parts	Never
Noise Intensity	Never
Exposure to animals	Never
Working with angry customers	Seldom (1-10%)

Additional Risk Conditions present in this job not listed above and the associated frequency below.

On-Call Status and Frequency

On-Call is required.

- Yes
- No

On-call activities and frequency.

Frequently - 1x month 6-12 times a year During audits, or other deadline driven activities this position may be asked to work outside normal working hours.

Work Location

The primary assignment for this position is:

- Remote
- Office Hybrid
- On-Site
- Field/Job Site

While this description has provided an accurate overview of responsibilities, it does not restrict management's right to assign or reassign duties and responsibilities to this job at any time. This position description is designed to outline primary duties, qualifications, and job scope, but not limit our employees or the organization to complete the work identified. In order to serve our customers best, each employee will offer their services wherever and whenever necessary to ensure the success of the District in serving our customers, to further the safety, health, and inclusivity of employees and the public, and achieve expectations of the District overall, while also remaining flexible in recognition of the employee's wellbeing.