

Job Title: Energy Operations Analyst

Report To: Energy Operations Manager

Date: August 2018

A. Job Purpose

The energy operations analyst will be responsible for the creation, development and operations of quantitative models to support the gas and electricity supply businesses – primarily relating to demand forecasting, pricing and trading.

The analyst is required to present the results and concepts from model development to a wide and varied audience across the group.

Previous experience in the energy sector would be highly advantageous but not essential.

B. Key Accountabilities

- Proactive approach to creating models and data analysis supporting the gas and electricity supply business
- Data analysis
- Support the development of a hedging strategy
- Development and improvement of demand forecasting and pricing models as business dynamics change
- Ensure all work products comply with internal and external audits
- Present results in a variety of formats for group wide audience

C. Dimensions

- Staff – no direct line manager responsibilities
- The postholder will be responsible for the data analysis for the energy supply business
- The postholder will be required to create financial models to support the business and have the ability to develop these as the business grows and evolves

D. Additional Information

i) Problem Solving/Decision Making

- The postholder must possess a very strong analytical and problem solving ability
- Must be able to identify potential opportunities for improvement via advanced quantitative analysis
- Working with other members within the team to support the development of a hedging strategy

ii) Skills/Knowledge/Experience

- Numerical degree
- Be familiar with probability theory, calculus and numerical techniques
- Substantial experience in the implementation of numerical methods and an understanding on how to implement algorithms effectively
- Good knowledge of valuation and risk analysis methods for derivative instruments (energy market – preferable)
- Good communication skills and ability to translate practical real-world requirements in to qualitative terms
- Excellent analytical and problem solving skills (probability theory, partial differential equations and numerical analysis)
- Desire to continuously strengthen understanding of energy issues

iii) Working Relationships

- Works productively and supportively with colleagues and team members
- Works productively and supportively with external third parties and suppliers, internal group functions and departments supporting the overall operation of the energy business