



GUYANA POWER & LIGHT INC.

VACANCY

AUTOMATION ENGINEER

2023/52

The opportunity awaits qualified results oriented professionals who are interested in joining our team within the **System Control and Operations Department – Sophia, Georgetown**. Interested candidates with the requisite qualifications and experience are invited to apply for the vacant position of **Automation Engineer**.

Under the general direction of the Senior Automation Engineer, the incumbent will be responsible for supporting GPL's system operations by providing engineering and technical support for the Automation System deployed to monitor and control the generation, transmission and distribution systems as well as configuration, testing, analysis and operation of all the automation-related application modules and equipment.

This position requires an individual with an interest in automation systems and the ability to be an active team member in the section. The role is expected to be both office and field-based. The individual will be expected to undertake training that will be provided in order to assist the development of the specialized skills needed for the automation section.

KEY RESPONSIBILITY AREAS:

1. Administration of the activities related to system security, backup and crash recovery of the automation system applications.
2. Manage, deploy, install, configure, and monitor the components of the automation system on an on-going basis.
3. Monitor, troubleshoot and resolve issues relating to database, displays, and all interfaces of the system at the Local and Main Control Center.
4. Repair and recover from hardware or software failures. Coordinate and communicate with impacted users.
5. Provide engineering and technical support to the Automation Technicians and Operators on any issue relating to the various automation applications.
6. Analysis of daily operation results and preparation of reports on energy generation, load demand and interruptions to customers.
7. Calculation and analysis of monthly, quarterly, annual and multi-year Key Performance Indicators (KPIs) for each generator, transmission line and distribution feeder.

8. Oversee the design and development of suitable databases, data collection system, data analytics and other strategies that optimize statistical efficiency and quality.
9. Perform daily backup operations, ensuring all required file systems and system data are successfully backed up to the appropriate media, recovery tapes or disks are created, and media is recycled and sent off site as necessary.
10. Configure new and maintain existing SCADA monitoring points (analogs, indications, accumulator, controls and set points) and test new substations in the SCADA.
11. Configure alarms for off-normal and events (limits, normal states) and add new points to monitor and control the main SCADA.
12. Ensure the power system application software such as state estimator, load flow and contingency analysis is operational and tuned.
13. Responsible for coordinating and planning any necessary upgrades to the Automation System.
14. Develop and maintain all appropriate documentation and operating procedures for all automation-related application functions.
15. Support the company's safety programs by following the OHS procedure within the section.
16. Provide training to Automation Technicians and Operators on the workings of the various automation applications.
17. Calculate all Operations KPIs and compile GPL's Operations report.
18. Compile data and provide a detailed analysis for system shutdowns and disturbances.
19. Perform any other duties as directed by the Senior Automation Engineer or the System Control and Operations Manager.

JOB SPECIFICATION/QUALIFICATIONS

- Bachelor of Science in Power or Electrical Engineering, or its equivalent from an accredited institution with a minimum of Three (3) years' experience. Engineering experience is an asset.

Salary Grade: Commensurate with Junior Management 'B' Emoluments

COMPETENCY PROFILE:

- Good knowledge of power system operation, including generation, transmission and distribution.
- Ability to produce high-quality reports and analysis with attention to detail
- Proficiency in use of Microsoft Office Suite including Word, Excel, PowerPoint and Access as well as other data management and analysis software and tools
- Experience in compiling and analyzing data collected from various sources
- Ability to work and communicate effectively in a team environment
- Excellent skills in technical report writing and presentation
- Familiar with GPL Corporate Strategic Plan and Operations Divisional Business Plan

- Familiar with operation report procedures for generation, transmission and distribution
- Good knowledge in calculation of divisional key performance indicators
- Experience in quantitative and qualitative analysis
- Demonstrated positive learning attitude
- Be conversant with relevant law, and regulations of Guyana and GPL policies and rules
- Demonstrated commitment to the environment, health and safety
- Conversant with GPL Performance Management System (PMS)

Applications should be submitted to the Human Resources Services Manager, Guyana Power & Light Inc. 257/259 Middle Street, Georgetown not later than August 15, 2023 or via email to recruitment@gplinc.com.


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Dale De Roy
Human Resources/Services Manager
August 1, 2023