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Continuing my internship with Dominion Energy, my responsibilities have become much more understanding with observation and foundational tasks. After becoming more comfortable navigating internal systems and datasets, I have started assisting with refining dashboard elements and ensuring that the data being presented aligns with the needs of the supply chain team. This has required not only technical adjustments but also thoughtful consideration of how information is communicated. I am beginning to understand that effective data visualization is not just about creating charts, but about telling a clear and accurate story that supports decision-making at multiple levels of the organization.

In addition to working with data visualization, I have recently begun learning about Software Quality Assurance (SQA) and its role within the company. Through shadowing and discussions with team members, I have gained insight into how systems and reporting tools are tested to ensure they function as intended before being fully implemented. Software quality assurance focuses on verifying accuracy, reliability, and consistency, which directly connects to the work I have been doing with datasets and dashboards. Ensuring that reports generate correct outputs, that calculations are validated, and that

system updates do not introduce errors has highlighted the importance of structured testing and documentation. This exposure to SQA has also shown me how closely it relates to cybersecurity. Secure systems must not only be protected from external threats but must also operate correctly and predictably. Vulnerabilities can arise from coding errors, misconfigurations, or overlooked system weaknesses. By implementing quality assurance processes such as controlled testing environments, access reviews, and validation procedures, organizations reduce the risk of both operational failures and security incidents. I am beginning to see how cybersecurity and quality assurance overlap in their shared goal of protecting system integrity.

Overall, this phase of my internship has strengthened both my analytical and technical awareness. I am developing a broader perspective on how procurement, data analytics, software quality assurance, and cybersecurity intersect within a large energy organization. Each new responsibility reinforces the importance of precision, secure practices, and continuous improvement in a professional environment.