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University of Regina

Abstract

The scope of this project is to provide Cornerstone (CBB) with a better inventory management model for their windows division sector. With the goal being to standardize the inventory model across inefficient brands within the division. Once completed, the standard management model will help CBB improve their supply chain.

The project was done through an iterative/trial and error process therefore, the first few designs were not able to capture the full inventory catalogue. After refinements through subsequent iterations, an optimal design (master file) was reached. Similarly, the data from annual inventory and usage was calculated and combined to generate a standard inventory model. This was then sent to the supply chain operations team to be validated. A portion of the results are shown below.

Background

Cornerstone Building Brands manufactures exterior building products across North America with locations across Canada, USA, Mexico. Recently undergoing a merger, the company has been updating and standardizing its business operations across its various divisions to improve visibility in their supply chains. The different brands within the windows division have their own way of collecting and reporting data which poses a problem for upper management from a top-level view and can lead to inefficiencies and bottlenecks.

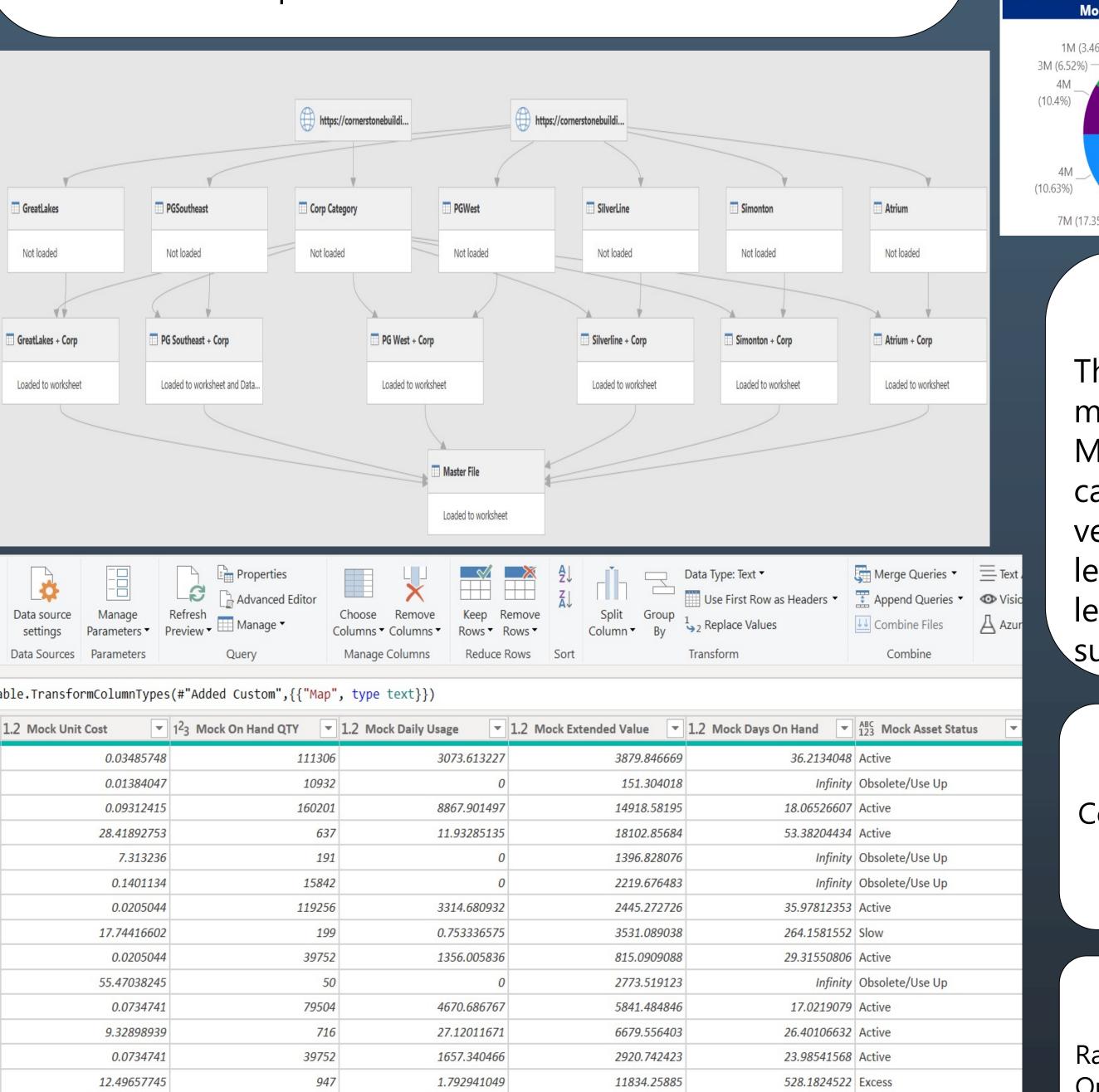
Project Goals/Objectives

- 1) Create a master file that contains windows items from all branches. Create an inventory on hand master file that combines the item stock and yearly usage from all plant locations. Combine with master file to give standard model.
- 2) Create a dashboard to display the necessary business metrics to gauge inventory health and make better supply chain decisions

Inventory Management Of Cornerstone Building Brands For Supply Chain Improvement

Rishabh Sharma, Vaibhav Shienh , Hamza Javed Supervisor: Professor Golam Kabir **Industrial Systems Engineering** Group 13

Methods/Process



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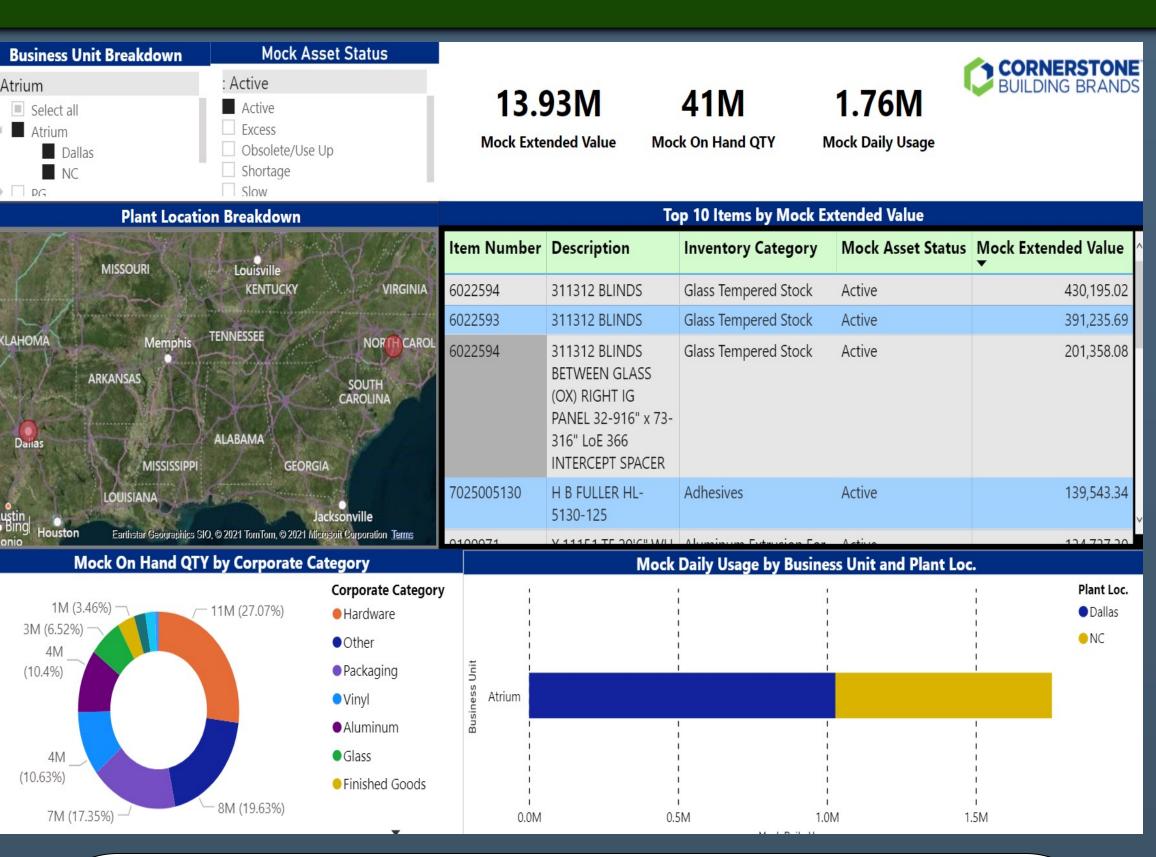


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Conclusions/Recommendations

The project was able to achieve its goals however, the model can be further improved to provide a standard MRP planning tool for the windows division. This model can be upgraded by collecting and combing data from vendors/suppliers, safety stock, purchase quantity, and lead times to name a few. This would provide a deeper level view into the inventory to further improve the supply chain

Acknowledgments

Cornerstone: Deanna Harner, Damaris DeLaRosa, Noel Manuel as well as Dr. Golam Kabir

References

Raviv, G. (2018). Collect, Combine, and Transform Data Using Power Query in Excel and Power BI (Business Skills) (1st ed.). Microsoft Press.