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UNITED STATES POSTAL SERVICE LIBRARY REFERENCE  
USPS-LR-N2012-1/47

Capacity Model Capacity Model Analysis  
Provided In Response to Interrogatory GCA/USPS-T1-1

PREFACE

This Category 4 library reference provides the background analysis referenced in the response to GCA/USPS-1.

This library reference has one file in its root folder:  
No ON Analysis All Workload\_FY2009.xls

This file contains analysis the Postal Service performed to assess how changes in operating windows impact facility space needs. This analysis was at a high level and did not analyze specific plants, nor did it assess distance constraints. The model aggregated all workload across the country, divided that workload by 302 operating days, multiplied the average daily volume by 1.3 to develop a peak factor, divided that by the throughput of machines, divided that by the operating hours of each process step and multiplied that result by the square feet of each machine. The square footage was then aggregated across the country and compared to the square footage that was estimated in the mail processing network at the beginning of 2010. The analysis was performed for each of several scenarios. Scenario 1 and 2 examined increasing the window 1 and 2 hours, respectively. Scenario 3 examined expanding the window by 6.5 hours. The estimated square footage reduction was multiplied by the AMP savings per square foot associated with the Kansas City AMP savings to develop a high level assessment of the impact.

This workbook consists of the following tabs:

Mapping – Mapping of operation codes to descriptions and LDCs

Process Steps of Interest – Aggregates all workload by shape, process step and machine and determines the associated square feet required based on throughput, square feet of machines and operation hours across scenarios. Aggregates and determines the reduction and high level assessment of the opportunity

Facilities – Listing of facilities and associated workroom square feet

All Workload FY2009 – Annual workload by facility and operation from Fiscal Year 2009

APPS SPBS Counts – Count of APPS and SPBS by location at the time this analysis was performed.

Sheet1 – Average throughput rates of each piece of equipment

Sheet4 – Contains a mapping of operation code to shape, process step and machine, as well as the square footage associated with each piece of equipment utilized within this analysis.