Postal Rate Commission
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BEFORE THE
POSTAL RATE COMMISSION
WASHINGTON, D.C. 20268–0001

EVOLUTIONARY NETWORK DEVELOPMENT SERVICE CHANGES, 2006	Docket No. N2006-1

NOTICE OF UNITED STATES POSTAL SERVICE REGARDING THE FILING OF NATIVE FORMAT COPY OF SPREADSHEETS ACCOMPANYING THE RESPONSE OF WITNESS SHAH TO CONSUMER ADVOCATE INTERROGATORY OCA/USPS-T1-31 (July 17, 2006) [ERRATA]

The United States Postal Service hereby gives notice that it is filing a native format Excel spreadsheet version of the Attachment to the June 30, 2006, response of witness Shah to OCA/USPS-T1-31.

Several of the sample output spreadsheets provided in response to this interrogatory have so many columns that, for hard copy printing purposes, a very small default font is set. This has the benefit of restricting each spreadsheet to a single hard copy page. However legible the spreadsheets may be when viewed electronically in their native format, the small font makes some of them nearly impossible to read in hard copy form. An effort was made to compensate for this on July 12, 2006, by the re-filing of PDF copies of the spreadsheets in a larger font; however, this adversely affected the format of the spreadsheets.

Accordingly, it is best that the spreadsheets be viewed in their native electronic Excel format. To that end, the Postal Service is filing a second revised response to OCA/USPS-T1-31, with a notation that readers view the Excel version of the spreadsheets that accompany the PDF version. Sometimes, the simplest things . . .

Respectfully submitted,

UNITED STATES POSTAL SERVICE

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RESPONSE OF THE UNITED STATES POSTAL SERVICE
TO INTERROGATORY OF THE OFFICE OF THE CONSUMER ADVOCATE
REDIRECTED FROM WITNESS SHAH
Revised: July 17, 2006

OCA/USPS-T1-31. Please refer to OCA/USPS-T1-27. The interrogatory requested a sample copy of the output produced from a run of the END optimization model that led to one of the consolidations in LR-L-N2006-1/5 or 6 or, if not available, a current run with redactions of names and identifying characteristics. The response, "The output was the identification of the opportunity" does not respond to this interrogatory. It is neither a copy of the output nor the alternative, nor does it provide an understanding of the manner in which the output is presented. That is, what is the output (the exact language) that identifies the opportunity. This follow-up interrogatory is to again request a copy of the output of the optimization model in order to determine the extent of the information available to the Postal Service after running this part of the END model.

RESPONSE:

The output was described in USPS-L/R-9, the Technical Conference slides.

Attached is an example of how the optimization output is presented.

[Several of the sample output spreadsheets provided in response to this interrogatory have so many columns that, for hard copy printing purposes, a very small default font is set, in order that the entire spreadsheet can appear on a single page. This makes the hard copy and PDF versions of these spreadsheets nearly impossible to read. Accordingly, the reader will need to examine the native electronic Excel versions that accompany the filing of this response.]

Description	Data
Scenario Name	GeneratedScenario_20050619
Solution Name	solution1
Solver Run Time	01:28:07
Optimization Gap	53.91%
Run Type	Minimize Cost
Profit = Revenue - Cost	XXXX
Income recieved by meeting demand	XXXX
% of demand satisfed	XXXX
Number of Warehouses Picked	XXXX
Number of Primary Warehouses Picked	XXXX
Number of Warehouses Used	XXXX
Number of Pre-Existing Warehouses	XXXX
Number of Active Plants	XXXX
Number of Pre-Existing Plants	XXXX
Number of Plants Picked	XXXX
Number of Plants Used	XXXX
Number of Active Lines	XXXX
Number of Pre-Existing Lines	XXXX
Number of Lines Picked	XXXX
Number of Lines Used	XXXX
Number of Active Customers	XXXX
Customers With Demand	XXXX
Number of Active Products	XXXX
Products With Demand	XXXX
Number of Fixed Plants	XXXX
Number of Fixed Lines	XXXX
Number of Fixed Warehouses	XXXX
Number of Potential Plants	XXXX
Number of Potential Lines	XXXX
Number of Potential Warehouses	XXXX
Number of Potential Plants Picked	XXXX
Number of Pre-Existing Plants Picked	XXXX
Number of Potential Lines Picked	XXXX
Number of Pre-Existing Lines Picked	XXXX
Number of Potential Warehouses Picked	XXXX
Number of Pre-Existing Warehouses Picked	XXXX
Number of Secondary Warehouses Picked	XXXX
Minimum Warehouses	XXXX
Maximum Warehouses	XXXX
Minimum Primary Warehouses	XXXX
Maximum Primary Warehouses	XXXX
Minimum Secondary Warehouses	XXXX
Maximum Secondary Warehouses	XXXX
Maximum Plants	XXXX
Minimum Plants	XXXX
Minimum Lines	XXXX
Maximum Lines	XXXX
Sub-Structure Enhancements Enabled	XXXX
Standard Enhancements Enabled	XXXX
Weighted Avg Dist from Plant to Plant	XXXX
Weighted Avg Dist from Warehouse to Plant	XXXX
Weighted Avg Dist from Plant to WH	XXXX
Weighted Avg Dist from WH to WH	XXXX
Weighted Avg Dist from WH to Cust	XXXX
Currency	$
Model Time	yr
Transit Time	wk
Units	items
Inv Volume	sq ft
Trans Volume	sq ft
Weight	lbs.
Miles or Km	Mile
Plant to Plant Shipping Cost	XXX
Plant to Warehouse Shipping Cost	XXX
Warehouse to Warehouse Shipping Cost	XXX
Warehouse to Customer Shipping Cost	XXX
Warehouse to Plant Shipping Cost	XXX
Warehouse to Plant Var/Hold Cost	XXX
Warehouse to Warehouse Var/Hold Cost	XXX
Warehouse to Customer Var/Hold Cost	XXX
Duty/Tariff Cost	XXX
In Transit Holding Cost	XXX
Production Cost	XXX
Plant Fixed Cost	XXX
Warehouse Fixed Cost	XXX
TOTAL COST	XXX

COST DESCRIPTION	COST
Plant to Plant Shipping Cost	XXXX
Plant to Warehouse Shipping Cost	XXXX
Warehouse to Warehouse Shipping Cost	XXXX
Warehouse to Customer Shipping Cost	XXXX
Warehouse to Plant Shipping Cost	XXXX
Warehouse to Plant Var/Hold Cost	XXXX
Warehouse to Warehouse Var/Hold Cost	XXXX
Warehouse to Customer Var/Hold Cost	XXXX
Duty/Tariff Cost	XXXX
In Transit Holding Cost	XXXX
Production Cost	XXXX
Plant Fixed Cost	XXXX
Warehouse Fixed Cost	XXXX
TOTAL COST	XXXX

ID	Warehouse	Status	Type	WH Size	WH Size Used	Units
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	Potential	Secondary	XXXX	XXXX	XXXX

ID	Warehouse	Fixed Opening Cost	Fixed Operating Cost	Fixed Closing Cost	Variable Cost	Holding Cost	Units	Average Inventory
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
26030	LPC Facility-RDC Facility	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX

ID	Plant	Status	Units	Shipping Cost	Production Cost	Fixed Opening Cost	Fixed Operating Cost	Fixed Closing Cost	Hours Used	Available Hours	Percent Hours Used
X	LPC Facility-RDC Facility	Potential	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
X	LPC Facility-RDC Facility	Potential	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
X	LPC Facility-RDC Facility	Potential	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
X	LPC Facility-RDC Facility	Potential	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX

Plant ID	Plant Name	Line ID	Line Name	Line Status	Units	Shipping Cost	Production Cost	Fixed Opening Cost	Fixed Operating Cost	Fixed Closing Cost	Hours Used	Available Hours	Percent Hours Used
X	LPC Facility-RDC Facility	X	Plant XX-LPC-Regular Capacity	Potential	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
X	LPC Facility-RDC Facility	X	Plant XX-LPC-Feasibility Capacity	Potential	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX

ID	Product Name	Production Cost	Units Produced	Plant>Plant Shipping Cost	Plant>Plant In Transit Holding Cost	Plant>WH Shipping Cost	Plant>WH In Transit Holding Cost	WH>Plant Shipping Cost	WH>Plant Var/Hold Cost	WH>Plant In Transit Holding Cost	WH>WH Shipping Cost	WH>WH Var/Hold Cost	WH>WH In Transit Holding Cost	WH>Customer Shipping Cost	WH>Customer Var/Hold Cost	WH>Customer In Transit Holding Cost
1	LPC	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
2	RDC	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx

Customer ID	Customer Name	Product ID	Product Name	Demand	Demand Satisfied	Demand Required	Percent Demand Satisfied	Revenue
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	LPC	XXX	XXX	XXX	XXX	XXX
XXX	Zip-XXX	X	RDC	XXX	XXX	XXX	XXX	XXX

Time Period ID	Time Period	Plant to Plant Transportation Cost	Plant to Warehouse Transportation Cost	Warehouse to Plant Transportation Cost	Warehouse to Warehouse Transportation Cost	Warehouse to Customer Transportation Cost	Warehouse to Plant VarHold Cost	Warehouse to Warehouse VarHold Cost	Warehouse to Customer VarHold Cost	Duty Tariff Cost	In Transit Holding Cost	Production Cost	Plant/Line Fixed Cost	Warehouse Fixed Cost	Total Cost	Units Produced	Units Consumed
1	Entire span	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX