



# Welcome to Logix®

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Logix is a full-featured supply chain optimization, site location and distribution network modeling application that you can easily set up to quickly solve even your most complex supply chain problems.



# Quick Answers for Questions Like

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- What is the optimum distribution network to minimize transportation, sourcing, warehousing and inventory costs?
- How should I balance supply chain costs vs lead time and customer service considerations?
- What service areas provide the most efficient distribution from my distribution facilities given capacity constraints?
- Should I use pooling centers and/or cross docks to consolidate shipments and reduce supply chain costs?
- How do I align my distribution network to serve a new customer and meet service time requirements?

# Download and Install the Logix Demo from [www.logistixsolutions.com](http://www.logistixsolutions.com)

**Logistix Solutions**  
*On-Demand Solutions for Logistics Professionals*

HOME ABOUT US **SOLUTIONS** IN THE NEWS INFO CENTER CONTACT US



## On-Demand Solutions for Logistics Professionals

### Supply Chain Management Software Solutions

**Logix6.0<sup>®</sup> Distribution Network Design**



**Network Design Software**

Optimize number and location of distribution facilities, cross-dock and pooling distribution, sourcing, production and shipping strategies. Model "What-if" scenarios, product and material flows, carriers, entry ports and transport modes. Simulate supply chain risk and operational efficiency over time.

**DOWNLOAD**

**Logix6.0<sup>®</sup> Transportation Optimization**



**Transportation Optimization**

Optimize Freight Transport and Vehicle Routing and Scheduling based on order and vehicle information, DOT regulations and customer service requirements. Powerful logistic software optimization algorithms generate loads, routes and schedules that save fuel costs, miles, vehicles and drivers.

**DOWNLOAD**



**Consulting and Support**

We offer a full range of logistics software, training and support services which are essential for any company looking to optimize their distribution network, manage their transportation operations or model continuous improvements to supply chain operations for a rapid Return on Investment.

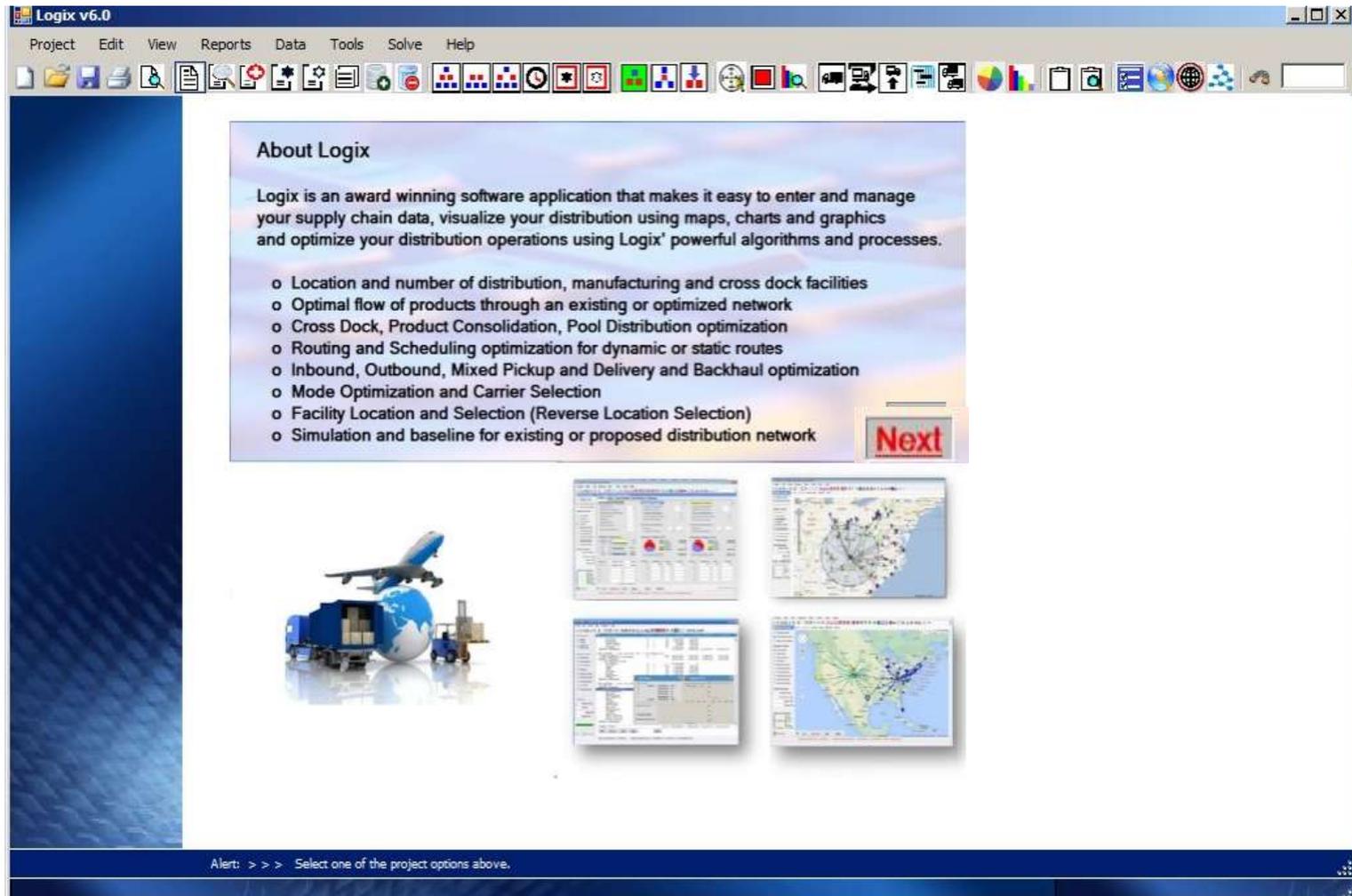
**CONTACT US**

# Contact info@logistixsolutions.com for a Password

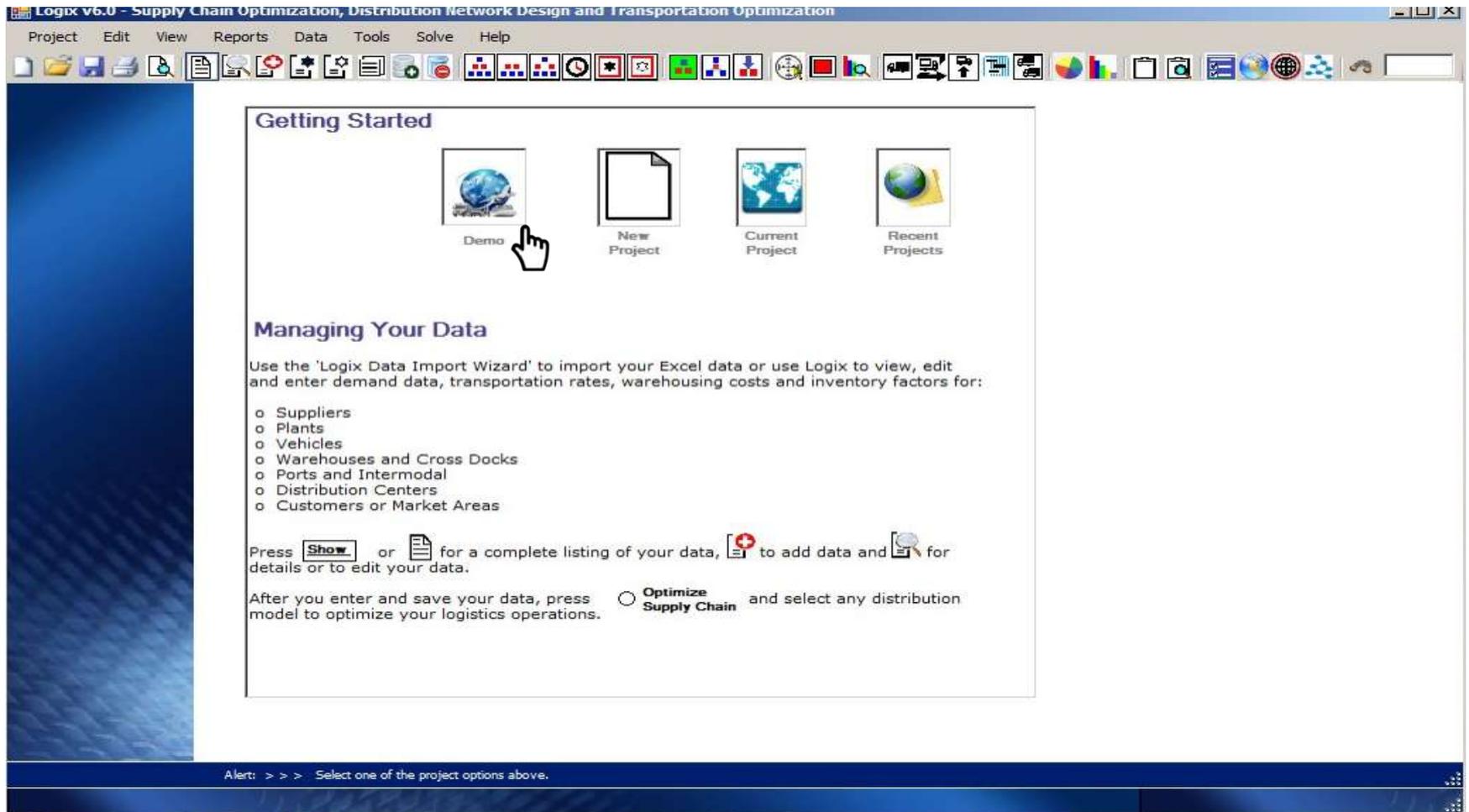
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# Click “Next” to Get Started



# Select the Demo Data Set



# Demo Data at Your Finger Tips

Logix provides a set of simple to more complex demo projects that step you through the data, modeling and optimization process.

In this basic "Demo" we just have Distribution Centers and Customers ... with Demand for one Product Category.

Region	Population
NE	6,437,133
SE	9,363,941
CE	12,831,970
WE	23,507,783
SW	5,615,727
AC	5,842,713
NE	1,067,610
NE	1,214,895
NE	1,324,574
NE	623,908
NE	3,504,809
AC	8,724,560
AC	19,306,183
AC	12,440,621
AC	853,476
AC	7,642,884
AC	1,618,470
AC	8,859,105
SE	4,321,249
SE	18,089,888
SE	4,599,030
SE	6,039,903
SE	2,910,540
SE	4,206,074
CE	11,478,006
CE	6,213,520
CE	10,095,643
CE	2,982,085
CE	2,556,506
CE	3,187,101
CE	781,319
WE	944,632
CE	635,867
CE	2,764,075
CE	1,768,721

Summary Totals: 296,861,403 296,861,403 0 0 0 0

Msg: Supply Chain Modeler ... Number of Available Suppliers: 0 / Number of Candidate DCs: 16 / User Selected DCs: 0

# Let's Take a Look at the Data

The basic "Demo" consists of 6 current DCs and 10 additional candidate DCs.

The data also includes 48 Customer locations and demand given by "Population" in each state. Logix actually supports unlimited demand.

State	Region	Population
Massachusetts	NE	6,437,193
Georgia	SE	9,363,941
Illinois	CE	12,831,970
Texas	SW	23,507,783
Maryland	AC	5,615,727
Missouri	CE	5,842,713
Rhode Island	NE	1,067,610
New Hampshire	NE	1,214,895
Maine	NE	1,324,574
Vermont	NE	623,908
Connecticut	NE	3,504,809
New Jersey	AC	8,724,560
New York	AC	19,306,183
Pennsylvania	AC	12,440,621
Delaware	AC	853,476
Virginia	AC	7,642,884
West Virginia	AC	1,618,470
North Carolina	SE	8,859,105
South Carolina	SE	4,321,249
Florida	SE	18,089,888
Alabama	SE	4,599,030
Tennessee	SE	6,038,903
Mississippi	SE	2,910,540
Kentucky	SE	4,206,074
Ohio	CE	11,478,006
Indiana	CE	6,213,220
Michigan	CE	10,095,643
Iowa	CE	2,982,085
Wisconsin	CE	5,556,506
Minnesota	CE	5,148,701
South Dakota	CE	781,319
Montana	WE	944,632
North Dakota	CE	635,867
KANSAS	CE	2,764,075
Nebraska	CE	1,762,321

Summary Totals: 296,861,403 296,861,403 0 0 0 0

Msg: Supply Chain Modeler ... Number of Available Suppliers: 0 / Number of Candidate DCs: 16 / User Selected DCs: 0

# Let's Take a Look at the Data

Each of the six current DCs is linked to its respective Customer by the Region ID. Customers that have the same Region ID are automatically assigned to their corresponding DC in the Simulation process.

Region	Population
NE	6,437,133
SE	9,363,941
CE	12,631,970
SW	23,507,783
AC	5,615,727
CE	5,842,713
NE	1,067,610
NE	1,324,895
NE	1,324,574
NE	623,908
NE	3,504,809
AC	8,724,560
AC	19,306,183
AC	12,440,621
AC	853,476
AC	7,642,884
AC	1,618,470
SE	8,659,105
SE	4,321,249
SE	18,089,888
SE	4,599,030
SE	6,038,903
SE	2,910,540
SE	4,206,074
CE	11,478,006
CE	6,313,520
CE	10,095,643
CE	2,982,085
CE	3,556,506
CE	3,187,101
CE	781,319
WE	944,632
CE	635,867
CE	2,764,075
CE	1,768,721

Summary Totals: 296,861,403 296,861,403 0 0 0 0

Msg: Supply Chain Modeler ... Number of Available Suppliers: 0 / Number of Candidate DCs: 16 / User Selected DCs: 0

# Let's Take a Look at the Data

The screenshot displays the Logix v6.0 software interface. The main window shows a list of Distribution Centers (DCs) under the heading 'DISTRIBUTION CENTERS'. A hand cursor points to the 'Hudson Valley NY' entry. Below this, a detailed view of the 'Hudson Valley NY' DC is shown, including a table of capacity by region and various parameters like transport rates and facility costs.

**DISTRIBUTION CENTERS**

Region	Population
NE	
SE	
CE	
WE	
SW	
AC	

**Customers & Markets**

Region	Population
NE	6,437,133
SE	9,363,941
CE	12,831,970
SW	23,507,782
AC	5,615,727
CE	5,842,713
NE	1,067,610
NE	1,214,895
NE	1,324,574
NE	623,908
NE	3,504,809
AC	8,724,560
AC	19,306,183
AC	12,440,621
AC	853,476
AC	7,642,884
AC	1,618,470
SE	5,859,105
SE	4,321,249
SE	18,089,888
SE	4,599,030
CE	6,039,903
CE	2,910,540
SE	4,206,074
CE	11,478,006
CE	6,213,520
CE	10,095,443
CE	2,982,085
CE	2,556,506
CE	3,187,101
CE	781,919
WE	944,632
CE	635,867
CE	2,784,075
CE	1,768,721

**Hudson Valley NY (Conseckie, NY 12051)**

Capacity*	A. Population	B. B	C. C	D. D	E. E	Max Capacity*
300000	0	0	0	0	0	300000

Other parameters shown include: Var (\$/h) 7.6, Trans (\$/mi.) 0.0075, Trans (\$) 0, Svc Radius 0. Region: NE, Mode: Road.

Each of the DCs includes specific data for capacity by product, transport rates (fixed and/or per mile), facility costs, handling and warehousing fees and other service factors.

# Supply Chain Modeler – Data and Maps

The Supply Chain Modeler is a quick and easy way to view your data, add new sites and visualize your project.

Region	A	B
<b>MODEL PARAMETERS</b>		
DEFAULTS (Annual)		
Population		
[-] DISTRIBUTION CENTERS		
Hudson Valley NY	NE	
Outer Atlanta Region	SE	
Chicagoland	CE	
Los Angeles basin	WE	
Southwest Region	SW	
Greater Lehigh Valley	SW	
New York Metro Area	AC	
Denver CO		
Florida Region		
Midwest Region		
Northern Ohio		
Central Region		
Ashland KY		
Pasadena CA		
McKenzic TN		
Northwest Region		
[-] CUSTOMERS & MARKETS		
Massachusetts	NE	6,437,193
Georgia	SE	9,363,941
Illinois	CE	12,531,970
Texas	SW	23,507,783
Maryland	AC	5,615,727
Missouri	CE	5,842,713
Rhode Island	NE	1,067,610
New Hampshire	NE	1,324,895
Maine	NE	1,324,574
Vermont	NE	623,908
Connecticut	NE	3,504,809
New Jersey	AC	8,724,560
New York	AC	19,306,183
Pennsylvania	AC	12,440,621
Delaware	AC	853,476
Virginia	AC	7,642,884
West Virginia	AC	1,618,470
North Carolina	SE	8,558,105
South Carolina	SE	4,321,249
Florida	SE	18,089,888
Alabama	SE	4,599,030
Tennessee	SE	6,038,803
Mississippi	SE	2,910,540

# Supply Chain Modeler – Data and Maps

Logix v6.0 - Viewing Demo

Project Edit View Reports Data Tools Solve Help

Model Settings

MODEL PARAMETERS  
DEFAULTS (Annual)

Region	A	B	Population
[-] DISTRIBUTION CENTERS			
Hudson Valley NY	NE		
Outer Atlanta Region	SE		
Chicagoland	CE		
Los Angeles basin	WE		
Southwest Region	SW		
Greater Lehigh Valley	SW		
New York Metro Area	AC		
Denver CO			
Florida Region			
Midwest Region			
Northern Ohio			
Central Region			
Ashland KY			
Pasadena CA			
McKenzic TN			
Northwest Region			
[-] CUSTOMERS & MARKETS			
Massachusetts	NE		6,437,193
Georgia	SE		9,363,941
Illinois	CE		12,831,970
Texas	SW		23,507,783
Maryland	AC		5,615,727
Missouri	CE		5,842,713
Rhode Island	NE		1,067,610
New Hampshire	NE		1,324,895
Maine	NE		1,324,574
Vermont	NE		623,908
Connecticut	NE		3,504,809
New Jersey	AC		8,724,560
New York	AC		19,306,183
Pennsylvania	AC		12,440,621
Delaware	AC		853,476
Virginia	AC		7,642,884
West Virginia	AC		1,618,470
North Carolina	SE		8,859,105
South Carolina	SE		4,321,249
Florida	SE		18,089,888
Alabama	SE		4,599,030
Tennessee	SE		6,038,903
Mississippi	SE		2,910,540

Supply Chain Modeler

Map Satellite

Logix includes a unique Google Maps interface that shows all of your data and solutions quickly and easily.

Start

12:26 PM  
4/16/2018

# Simulating Your Existing Supply Chain

Let's start with a model of the current or baseline supply chain.

Logix provides you with a number of distribution models including the Simulation Model we'll use first.

The screenshot displays the Logix v6.0 software interface. The title bar reads "Logix v6.0 - Viewing \Demo". The menu bar includes "Project", "Edit", "View", "Reports", "Data", "Tools", "Solve", and "Help". The sidebar on the left is titled "Model Settings" and contains several sections:

- Model Settings:** Manage My Data, Optimize Supply Chain, Supply Chain Modeler.
- Distribution Models:** Multi-Echelon, Cross Dock, DC-Customers, Simulation (selected), Best Service Time, Use Selected Sites, No Selected Sites, Transport Simulation, Transport Optimization, Fleet Deployment.
- Model Parameters:** Number of Sites, Svc Radius, Region Filter, Product Filter (A, B, C, D, E).
- Model Options:**

The main window is titled "Optimizing Your Supply Chain". It contains the following text:

Logix v6.0 optimizes your Supply Chain in seconds and analyzes how distribution networks and sourcing options impact your supply chain costs and customer service.

Enter:

- o Number of Sites ... leave blank to optimize both number and location of DCs or enter the number of distribution centers you want in the solution.
- o Svc Radius ..... leave blank or enter maximum allowable service distance to customers.

Select a Distribution Model (icon) above OR Pick from the menu (left) and then Press **Optimize**.

- o Multi-Echelon ..... Optimize your supply chain from suppliers to customers.
- o Cross Dock (option) .. Consolidation Centers, Regional Whses and Local Cross Docks.
- o DC-Outbound only .... Optimize outbound distribution from DCs to customers.
- o **Simulation ..... Baseline Simulation and 'What-if' supply chain analysis.**
- o Best Service ..... Optimize your supply chain for Total Transit Time.
- o Use Selected Sites .... Solutions use your selected sites and other optimum sites.
- o No Selected Sites ..... Solutions exclude your selected sites.
- o Transport Simulation . Refresh and Simulate Routes based on user input.
- o Transport Optimization Transportation and Route Scheduling Optimization.
- o Route Insert ..... Insert unrouted stops on existing routes.
- o Fleet Deployment ..... Distribution Network and Deployment for fleet operations.

You can also select 'Greenfield'  or 'Proximity'  to fine tune precise site location(s).

Finally, press  to view Maps,  Analyses and  Charts for a complete picture of your supply chain.

# Simulating Your Existing Supply Chain

The screenshot displays the Logix v6.0 software interface. The main window shows a table of simulation results. The table has the following columns: Site Name, Prdt/Region, Distance, Quantity, Trans\$, Wha/Prdt\$, Total\$, and Status. The data is organized into three main sections, each representing a site location:

- SITE LOCATION -- Allentown PA** (Greater Lehigh Valley):
 

Prdt/Region	Distance	Quantity	Trans\$	Wha/Prdt\$	Total\$
Maryland	135	5,615,727	56,859		
New Jersey	90	8,724,560	58,891		
New York	97	19,306,183	140,412		
Pennsylvania	187	12,440,621	174,480		
Delaware	72	853,476	4,609		
Virginia	293	7,642,884	167,952		
West Virginia	193	1,818,470	26,322		
<b>TOTAL (Outbound)</b>	<b>1,067</b>	<b>56,402,921</b>	<b>629,566</b>	<b>1,532,529</b>	<b>2,162,094</b>
- SITE LOCATION -- Joliet IL** (Chicagoand):
 

Prdt/Region	Distance	Quantity	Trans\$	Wha/Prdt\$	Total\$
Illinois	40	12,831,970	38,496		
Missouri	262	5,842,713	123,573		
Ohio	408	11,478,006	351,227		
Indiana	114	6,315,520	53,981		
Michigan	350	10,091,643	189,293		
Iowa	506	2,982,085	113,170		
Wisconsin	258	5,556,506	107,518		
Minnesota	425	5,167,101	166,251		
South Dakota	570	781,919	33,427		
North Dakota	905	631,867	43,159		
Kansas	686	2,764,075	142,212		
Nebraska	507	1,768,331	67,241		
<b>TOTAL (Outbound)</b>	<b>4,955</b>	<b>66,217,735</b>	<b>1,429,548</b>	<b>1,794,467</b>	<b>3,224,015</b>
- SITE LOCATION -- Coxsackie NY** (Hudson Valley NY):
 

Prdt/Region	Distance	Quantity	Trans\$	Wha/Prdt\$	Total\$
Massachusetts	170	6,437,193	82,074		
Rhode Island	157	1,067,610	12,571		
New Hampshire	157	1,314,895	15,483		
Maine	382	1,321,574	37,863		
Vermont	84	621,908	3,931		
Connecticut	104	3,504,809	27,338		
<b>TOTAL (Outbound)</b>	<b>1,054</b>	<b>14,269,989</b>	<b>179,260</b>	<b>2,388,453</b>	<b>2,567,713</b>
- SITE LOCATION -- Macon GA** (Outer Atlanta Region):
 

Prdt/Region	Distance	Quantity	Trans\$	Wha/Prdt\$	Total\$
Georgia	97	9,361,941	68,123		
North Carolina	384	8,856,205	255,067		
South Carolina	355	4,321,249	82,544		
Florida	650	16,089,888	681,882		
Alabama	264	4,599,030	91,061		
Tennessee	510	6,015,933	70,384		
<b>TOTAL (Outbound)</b>					<b>98,425</b>

The interface also includes a sidebar with 'Model Settings', 'Model Results', and 'Model Parameters'. A text box overlaid on the bottom of the screenshot states: 'Simulation calculates a precise baseline of your current network including transportation, facility, warehousing and inventory costs and service details.'

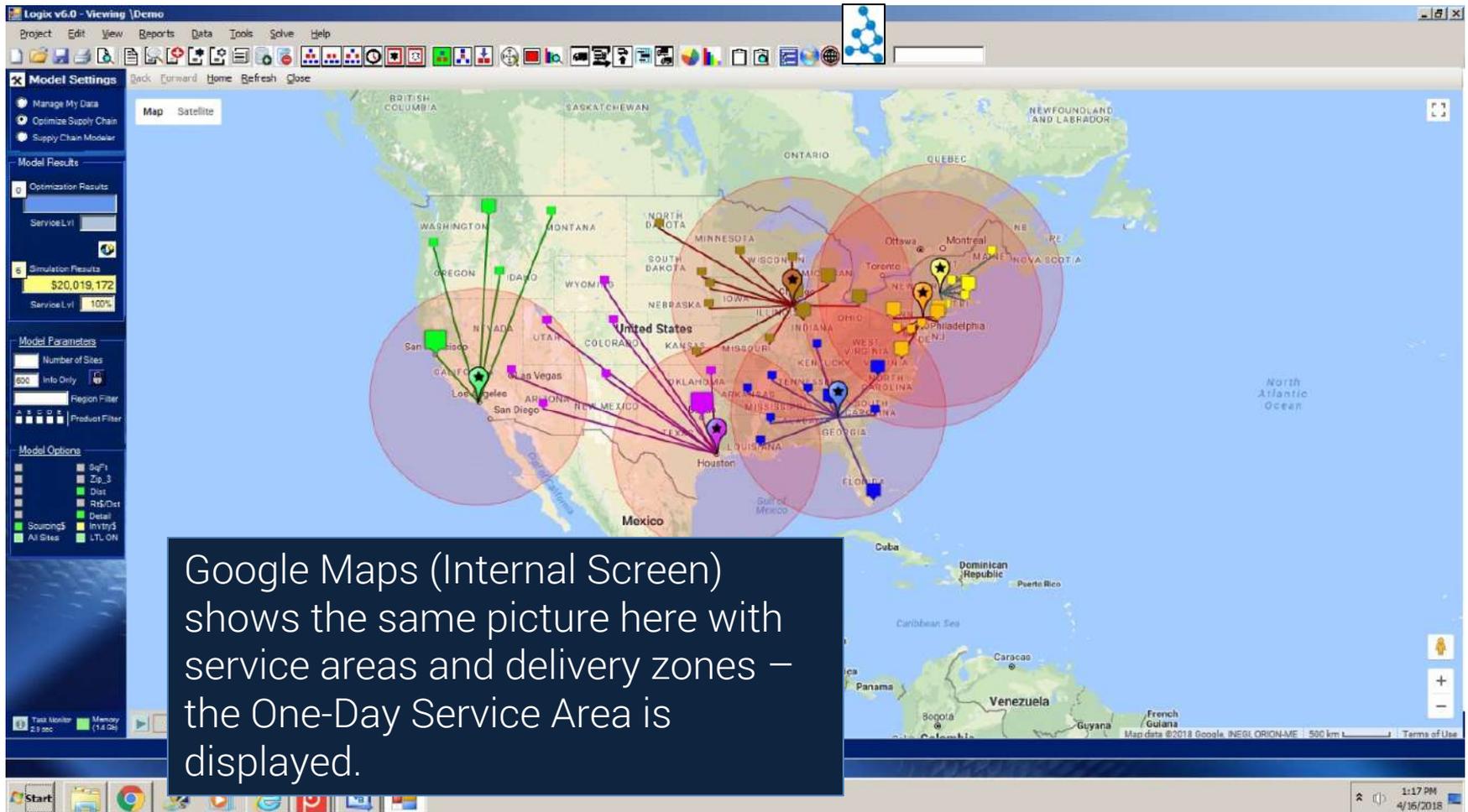
# Simulating Your Existing Supply Chain

The screenshot displays the Logix v6.0 software interface. On the left, the 'Model Settings' panel shows optimization results for three site locations: Allentown PA, Joliet IL, and Coxsackie NY. The 'Simulation Results' section indicates a total cost of \$20,019,172 at 100% service level. The main table lists the following data:

Site Name	Prft/Region	Distance	Quantity	Trans\$	Wha/Prft\$	Total\$
<b>SITE LOCATION ~ Allentown PA</b>						
Greater Lehigh Valley						
Maryland	A	135	5,815,727	56,859		
New Jersey	A	90	8,724,560	58,891		
New York	A	97	19,306,183	140,152		
Pennsylvania	A	107	12,440,621	174,480		
Delaware	A	72	852,476	4,609		
Virginia	A	293	7,642,884	167,952		
West Virginia	A	193	1,818,470	26,332		
TOTAL (Outbound)	A	1,067	56,401,921	629,565	1,532,529	2,162,034
<b>SITE LOCATION ~ Joliet IL</b>						
ChicagoLand						
Illinois	A	40	12,831,970	38,436		
Missouri	A	282	5,842,713	123,573		
Ohio	A	408	11,478,006	351,227		
Indiana	A	114	6,353,520	53,981		
Michigan	A	250	10,095,643	189,233		
Iowa	A	506	2,982,085	113,170		
Wisconsin	A	258	5,556,504	107,518		
Minnesota	A	429	5,167,201	166,351		
South Dakota	A	570	781,919	33,427		
North Dakota	A	905	635,867	43,159		
Kansas	A	686	2,764,075	142,212		
Nebraska	A	507	1,768,331	67,341		
TOTAL (Outbound)	A	4,955	66,217,736	1,429,548	1,794,467	3,224,025
<b>SITE LOCATION ~ Coxsackie NY</b>						
Hudson Valley NY						
Massachusetts	A	170	6,437,193	82,074		
Rhode Island	A	157	1,067,610	12,571		
New Hampshire	A	157	1,314,895	15,183		
Maine	A	382	1,333,574	37,863		
Vermont	A	84	623,908	3,931		
Connecticut	A	104	3,504,809	27,338		
TOTAL (Outbound)	A	1,054	14,269,989	179,260	2,388,453	2,567,713
<b>SITE LOCATION ~ Macon GA</b>						
Outer Atlanta Region						
Georgia	A	97	9,361,941	68,123		
North Carolina	A	384	8,856,505	255,067		
South Carolina	A	255	4,221,249	82,644		
Florida	A	650	18,089,888	881,882		
Alabama	A	264	4,590,030	95,061		
Tennessee	A	510	6,038,803	230,384		

On the right, a Google Maps pop-up shows a map of the United States with colored lines connecting various cities to a central hub, representing the supply chain network. A text box overlaid on the map reads: "Google Maps (Pop Up) instantly provide graphic details for all your solutions. You can quickly visualize your entire supply chain."

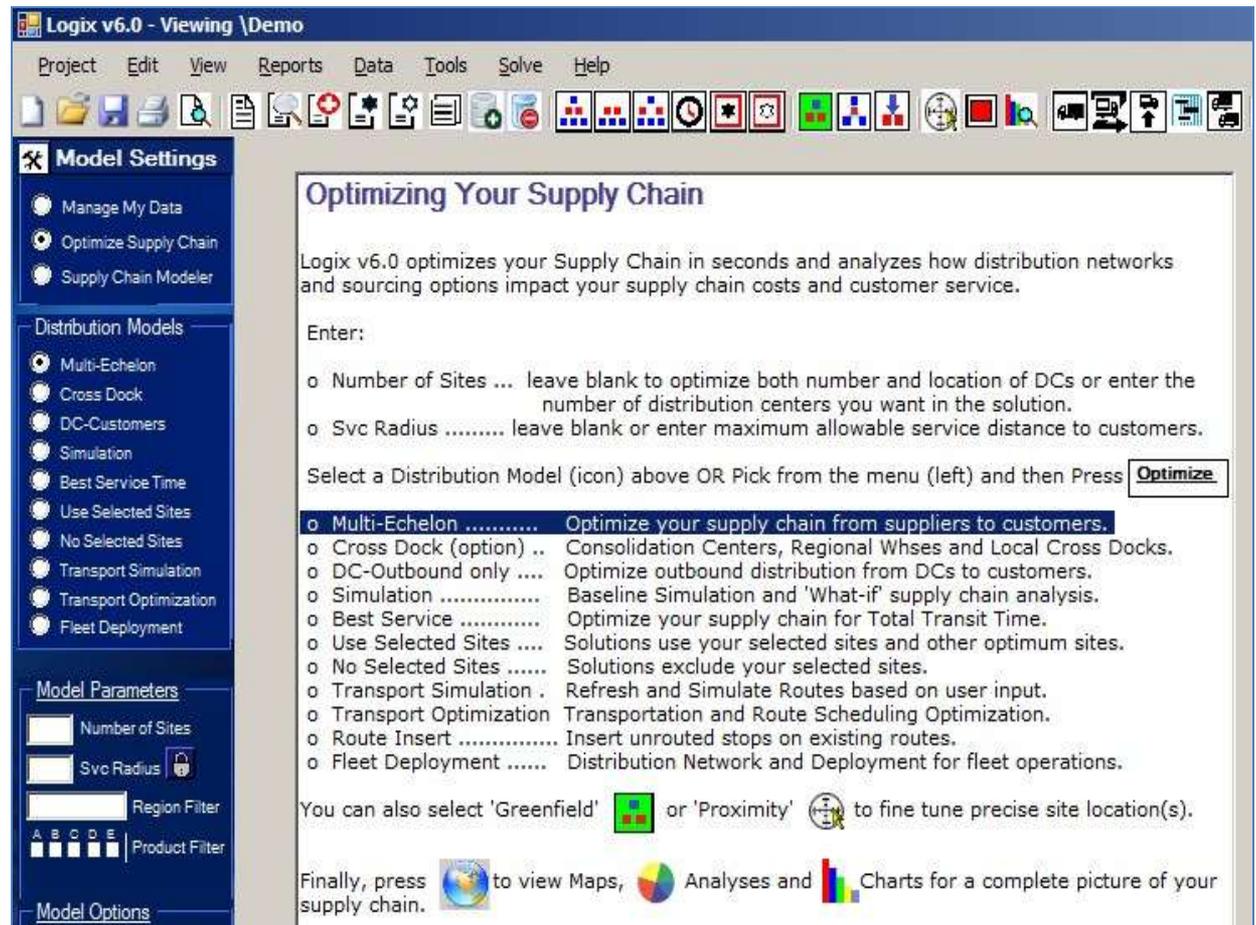
# Simulating Your Existing Supply Chain



# Optimizing Your Supply Chain

Next, let's Optimize the current supply chain and determine the optimum number and location of distribution centers.

Select the  "Multi-Echelon" Distribution Model and leave Number of Sites blank.



The screenshot shows the Logix v6.0 software interface. The title bar reads "Logix v6.0 - Viewing \Demo". The menu bar includes Project, Edit, View, Reports, Data, Tools, Solve, and Help. The toolbar contains various icons for file operations, navigation, and optimization. The left sidebar is titled "Model Settings" and includes sections for "Distribution Models" and "Model Parameters".

**Model Settings**

- Manage My Data
- Optimize Supply Chain
- Supply Chain Modeler

**Distribution Models**

- Multi-Echelon
- Cross Dock
- DC-Customers
- Simulation
- Best Service Time
- Use Selected Sites
- No Selected Sites
- Transport Simulation
- Transport Optimization
- Fleet Deployment

**Model Parameters**

- Number of Sites:
- Svc Radius:
- Region Filter:
- Product Filter:

**Model Options**

**Optimizing Your Supply Chain**

Logix v6.0 optimizes your Supply Chain in seconds and analyzes how distribution networks and sourcing options impact your supply chain costs and customer service.

Enter:

- o Number of Sites ... leave blank to optimize both number and location of DCs or enter the number of distribution centers you want in the solution.
- o Svc Radius ..... leave blank or enter maximum allowable service distance to customers.

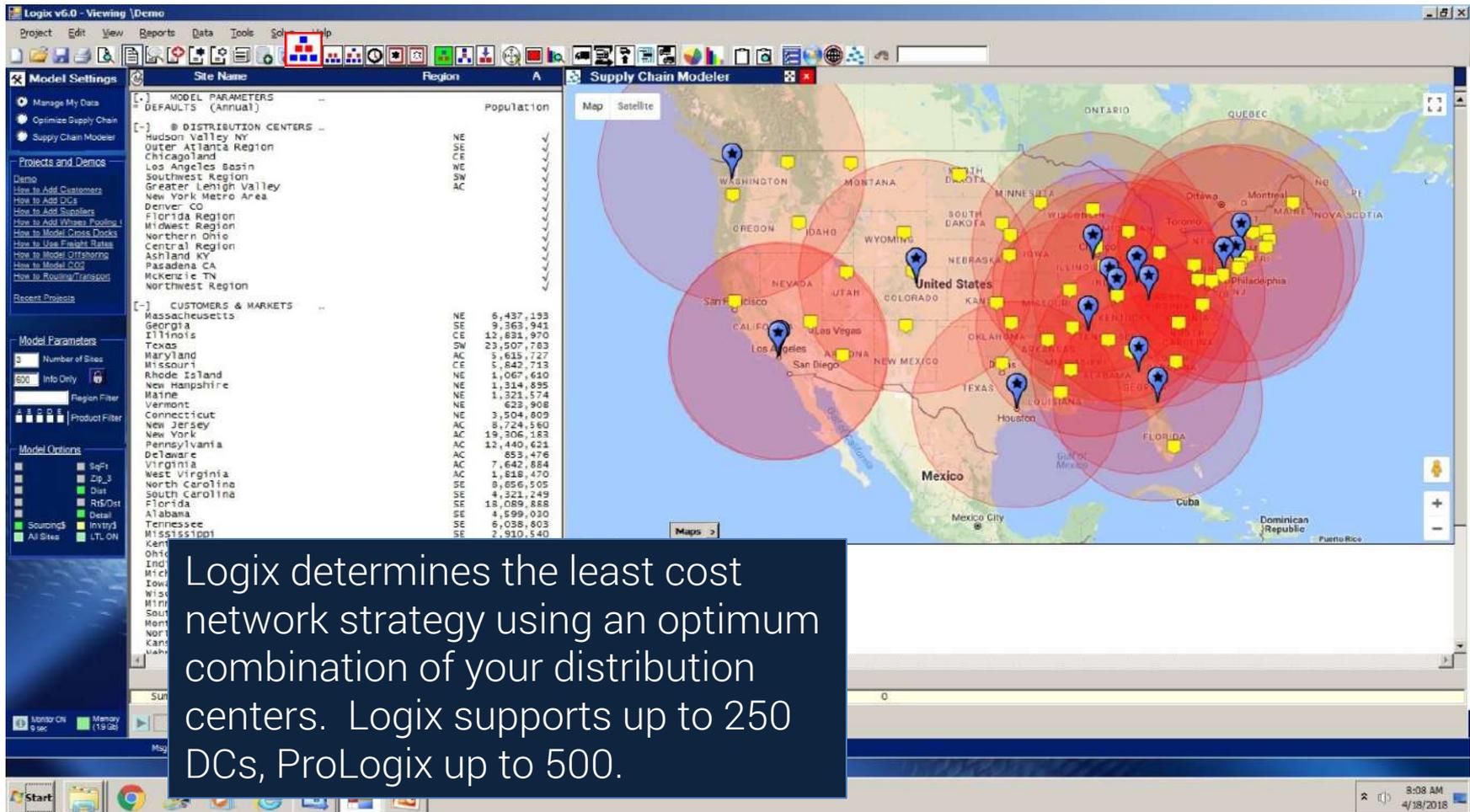
Select a Distribution Model (icon) above OR Pick from the menu (left) and then Press **Optimize**.

- o Multi-Echelon ..... Optimize your supply chain from suppliers to customers.
- o Cross Dock (option) .. Consolidation Centers, Regional Whses and Local Cross Docks.
- o DC-Outbound only .... Optimize outbound distribution from DCs to customers.
- o Simulation ..... Baseline Simulation and 'What-if' supply chain analysis.
- o Best Service ..... Optimize your supply chain for Total Transit Time.
- o Use Selected Sites .... Solutions use your selected sites and other optimum sites.
- o No Selected Sites ..... Solutions exclude your selected sites.
- o Transport Simulation . Refresh and Simulate Routes based on user input.
- o Transport Optimization Transportation and Route Scheduling Optimization.
- o Route Insert ..... Insert unrouted stops on existing routes.
- o Fleet Deployment ..... Distribution Network and Deployment for fleet operations.

You can also select 'Greenfield'  or 'Proximity'  to fine tune precise site location(s).

Finally, press  to view Maps,  Analyses and  Charts for a complete picture of your supply chain.

# Optimizing Your Supply Chain



# Optimizing Your Supply Chain

The screenshot displays the Logix v6.0 software interface. The main window shows a supply chain optimization model with three site locations: **Greater Lehigh Valley PA**, **Pasadena CA**, and **McKenzie TN**. Each location is associated with a list of states and their respective quantities, distances, and costs. The **Task Monitor** window is open, showing the current solution value of \$16,429,213 and a line graph of the optimization process. The **Model Results** panel on the left shows the current solution value and service level. The **Model Parameters** panel shows the number of sites set to 600. The **Model Options** panel shows various optimization settings.

Site Name	Prdt/Region	Distance	Quantity	Trans\$	Wha/Prdt\$	Total\$	Mag
<b>SITE LOCATION ~ Allentown PA</b>							
Greater Lehigh Valley AC							
Massachusetts	A	314	6,437,193	151,596			
Maryland	A	135	5,611,727	56,859			
Rhode Island	A	277	1,067,610	22,180			
New Hampshire	A	324	1,314,891	31,952			
Maine	A	557	1,321,574	55,209			
Vermont	A	261	623,908	12,213			
Connecticut	A	154	3,504,809	40,481			
New Jersey	A	90	8,724,560	58,891			
New York	A	97	19,306,183	140,452			
Pennsylvania	A	187	12,440,621	174,480			
Delaware	A	72	851,476	4,609			
Virginia	A	293	7,642,884	167,952			
West Virginia	A	193	1,818,470	26,322			
North Carolina	A	482	8,856,505	320,183			
Ohio	A	404	11,475,006	347,784			
Michigan (Outbound)	A	613	10,091,643	464,147			
<b>TOTAL</b>		<b>4,453</b>	<b>101,102,064</b>	<b>2,075,290</b>	<b>1,724,740</b>	<b>3,800,030</b>	
<b>SITE LOCATION ~ Pasadena CA</b>							
Pasadena CA							
Montana	A	1,226	944,632	86,859			
Colorado	A	1,004	4,753,377	357,929			
Wyoming	A	1,084	515,004	41,870			
Idaho	A	813	1,466,465	89,418			
Utah	A	659	2,550,063	126,037			
ARIZONA	A	431	6,186,318	299,326			
New Mexico	A	857	1,954,599	125,632			
Nevada	A	269	2,496,529	50,247			
Washington	A	1,151	6,391,798	552,117			
Oregon	A	1,008	3,700,758	279,775			
California (Outbound)	A	426	36,457,549	1,164,919			
<b>TOTAL</b>		<b>8,928</b>	<b>67,400,092</b>	<b>3,074,131</b>	<b>2,535,061</b>	<b>5,609,192</b>	
<b>SITE LOCATION ~ McKenzie TN</b>							
McKenzie TN							
Georgia	A	347	9,361,941	243,697			
Illinois	A	490	12,831,970	471,575			
Texas	A	646	23,507,783	1,138,952			
Missouri	A	247	5,841,713	108,236			
South Carolina	A	647	4,321,249	209,689			
Florida	A	1,062	16,089,888	1,440,860			
Alabama	A	276	4,599,030	60,707			
Tennessee	A	106	6,118,931	48,008			

**Task Monitor**

Current Solution: \$16,429,213

Current Task	Total Tasks
1	405

Optimization Controls: Pause, Stop, Refresh, Close

Click Here > Proximity (RadarView) Analysis

d <  
d <  
d <  
d <  
d <  
d <

29,197 /d

7:54 AM 4/18/2018

Logix required 9 seconds to solve this problem while the Task Monitor displays the internal optimization process and alternative "next best solutions".

# Optimizing Your Supply Chain

The screenshot displays the Logix v6.0 - Viewing Demo software interface. The main window shows a map of the United States with three overlapping circular regions representing site locations: Allentown PA (purple), Pasadena CA (orange), and McKenzie TN (blue). A network of lines connects various cities across the map, indicating supply chain routes. The left sidebar contains 'Model Settings', 'Model Results', and 'Model Parameters' sections. The 'Model Results' section shows optimization results for a total cost of \$16,420,107 and a service level of 90.4%. The 'Model Parameters' section shows the number of sites set to 600. The bottom of the screen shows a status bar with the date 4/18/2018 and time 8:11 AM.

Site Name	Prdt./Region	Distance
<b>SITE LOCATION -- Allentown PA</b>		
Greater Lehigh Valley	AC	
Massachusetts	A	314
Maryland	A	195
Rhode Island	A	277
New Hampshire	A	324
Maine	A	557
Vermont	A	261
Connecticut	A	184
New Jersey	A	90
New York	A	97
Pennsylvania	A	187
Delaware	A	72
Virginia	A	293
West Virginia	A	193
North Carolina	A	402
Ohio	A	404
Michigan	A	613
TOTAL (Outbound)		4,453
<b>SITE LOCATION -- Pasadena CA</b>		
Pasadena CA		
Montana	A	1,226
Colorado	A	1,004
Wyoming	A	1,084
Idaho	A	813
Utah	A	659
Arizona	A	451
New Mexico	A	857
Nevada	A	269
Washington	A	1,151
Oregon	A	1,008
California	A	426
TOTAL (Outbound)		8,928
<b>SITE LOCATION -- McKenzie TN</b>		
McKenzie TN		
Georgia	A	347
Illinois	A	490
Texas	A	646
Texas	A	646
Missouri	A	247
South Carolina	A	647
Florida	A	1,062
Alabama	A	176
Tennessee	A	106

You can select the Number of Sites you want as well as any site you want to be included in the solution. Or leave this blank to determine the number and location of sites.

# Optimizing Your Supply Chain

The screenshot displays the Logix v6.0 software interface. The main window shows a table with columns: Site Name, Prct/Region, Distance, Quantity, Trans\$, Whs/Prct\$, Total\$, and Msg. The table is divided into sections for 'SITE LOCATION -- Allentown PA' and 'SITE LOCATION -- Mckenzie TN'. A callout box titled 'Model Results' is overlaid on the table, showing 'Optimization Results' with a total cost of \$16,429,197 and a Service Level of 60.4%, and 'Simulation Results' with a total cost of \$20,019,172 and a Service Level of 70.8%.

Site Name	Prct/Region	Distance	Quantity	Trans\$	Whs/Prct\$	Total\$	Msg	ProLogix Detail
<b>SITE LOCATION -- Allentown PA</b>								
Greater Lehigh valley	AC							< Click Here > Proximity (Radarview) Analysis
Massachusetts	A	314	6,437,193	151,596				
Maryland	A	335	5,611,727	56,859				
Rhode Island	A	277	1,067,619	22,180				
New Hampshire	A	324	1,314,895	31,952				
Maine	A	557	1,321,574	55,209				
Vermont	A	261	623,909	12,213				
Connecticut	A	184	3,504,309	40,481				
New Jersey	A	90	8,724,560	58,891				
New York	A	97	19,306,183	140,452				
Delaware	A	187	12,440,621	174,480				
Pennsylvania	A	72	551,476	4,509				
Virginia	A	293	7,642,884	167,952				
North Carolina	A	193	1,818,470	26,322				
South Carolina	A	402	8,856,505	320,163				
Georgia	A	404	11,475,005	347,784				
Florida	A	613	10,095,643	464,147				
Tennessee	A	4,453	101,102,064	2,075,290	1,724,740	3,800,030	d <	
<b>SITE LOCATION -- Mckenzie TN</b>								
Georgia	A	1,226	944,632	86,859				< Click Here > Proximity (Radarview) Analysis
Illinois	A	1,004	4,753,377	357,929				d <
Texas	A	1,084	515,004	41,870				d <
Missouri	A	813	1,466,465	89,418				d <
South Carolina	A	659	2,150,063	126,037				d <
Alabama	A	431	6,166,318	199,326				d <
Florida	A	857	1,954,599	125,632				d <
North Carolina	A	269	2,495,529	50,347				d <
Virginia	A	1,151	6,395,798	552,117				d <
Tennessee	A	1,008	3,700,758	179,777				d <
Georgia	A	426	36,457,549	1,164,819				
Tennessee	A	8,928	67,400,092	3,074,131	2,535,061	5,609,192		

**Model Results**

3 Optimization Results  
\$16,429,197  
Service Lvl 60.4%

6 Simulation Results  
\$20,019,172  
Service Lvl 70.8%

Model Results lets you instantly view and compare any of the solutions including the Optimum and Baseline Simulation Total Cost and Service Levels.

# Optimizing Your Supply Chain

The screenshot displays the Logix v6.0 software interface. The main window shows a list of sites with columns for Site Name, Prdt/Region, Distance, Quantity, Trans\$, Wha/Prdt\$, Total\$, and Mag. A hand cursor points to the 'Allentown PA' site. A 'Proximity (RadarView) Analysis' window is open for Allentown PA, showing a scale of 500 miles and various percentages (109%, 62%, 22%, 69%, 37%, 14%, 0%, 13%, 47%, 85%, 125%, 15%, 53%, 100%, 151%). A 'Site Statistics' window is also open, showing product capacity, throughput, and inventory turns for Product A.

Product	Capacity	ThruPut	InvTurns	Util%
A	300,000	101,104	1	33.7%
B	0	-	-	-
C	0	-	-	-
D	0	-	-	-
E	0	-	-	-
	300,000	101,104	-	33.7%

Approx. Site Location: ~29 mi. S, 29 mi. W of Allentown PA (40.1933, -75.8767)

Site Statistics:

- Inb Trans \$: 0
- Fixed Whs \$: 1,290,000
- Var Whs \$: 434,747
- Inv Cost \$: -
- Outb Trans \$: 2,056,494
- Customers #: 16

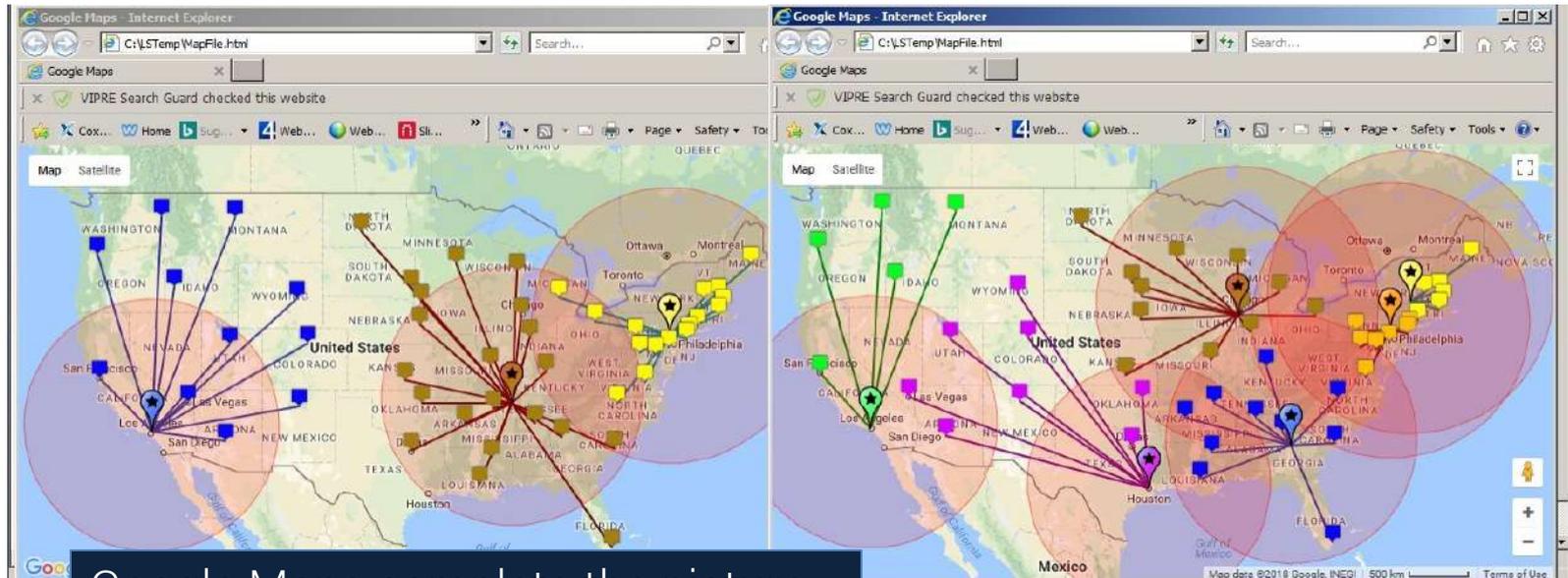
Click any DC and the Proximity Radar View shows how far from that site the exact optimum is located and how much it costs not to be located there.

# Optimizing Your Supply Chain

The screenshot displays the Logix v6.0 software interface. The main window shows a table of site locations and their associated costs. The table is organized into three sections based on site location: Allentown PA, Pasadena CA, and McKenzie TN. Each section lists various states with columns for Prdt/Region, Distance, Quantity, Trans\$, Wha/Prdt\$, Total\$, and Mag. The Allentown PA section shows a total quantity of 101,102,064 and a total cost of 1,724,740. The Pasadena CA section shows a total quantity of 67,400,092 and a total cost of 3,074,13. The McKenzie TN section shows a total quantity of 16,089,888 and a total cost of 60,70. Overlaid on the right side of the interface are two windows: '+ Allentown PA' and 'Site Statistics'. The '+ Allentown PA' window displays a scale of 500 miles and a series of percentages (109%, 62%, 22%, 69%, 37%, 14%, 0%, 13%, 47%, 85%, 125%) corresponding to different directions. The 'Site Statistics' window shows a map of the Northeast United States with various cities marked, including New York, Philadelphia, and Washington. A text box in the foreground provides instructions on how to use the 'Plot' feature to visualize cost changes.

Select "Plot" to view how cost increases (red), decreases (green) or stays virtually the same at various distances and directions from the optimum.

# Optimizing Your Supply Chain



Google Maps complete the picture with graphic details for all your solutions instantly. View solutions side by side to compare different scenarios.

# Optimizing Your Supply Chain

The screenshot displays the Logix v6.0 software interface. The main window shows a map of the United States with several service areas and delivery zones overlaid. The service areas are represented by colored circles (red, orange, purple) centered on major cities like San Diego, Las Vegas, and Chicago. Delivery zones are shown as lines connecting various locations across the country. The interface includes a menu bar (Project, Edit, View, Reports, Data, Tools, Solve, Help), a toolbar with various icons, and a sidebar with 'Model Settings' and 'Model Results' sections. The 'Model Results' section shows optimization results: \$16,428,197 and 80.4% Service Lvl, and simulation results: \$20,019,172 and 70.8% Service Lvl. The 'Model Parameters' section shows 3 Number of Sites and 600 Info Only. The 'Model Options' section has checkboxes for various settings like 9dPt, Zip\_3, Dist, Rts/Dst, Detail, Sourcing\$, Inventory\$, All Sites, and LTL ON. The bottom of the screen shows the Windows taskbar with the Start button, taskbar icons, and system tray showing the time as 1:25 PM on 4/16/2018.

The Google Map Interface (internal screen) can also show service areas and delivery zones – The One-Day Service Area is displayed.

# How to Add Suppliers

Now lets add some suppliers and model inbound and outbound distribution networks.

First, click "Manage My Data" and select the Demo Project "How to Add Suppliers".

Region	Population
Hudson Valley NY	6,437,193
Outer Atlanta Region	9,363,941
Chicago/land	12,631,970
Los Angeles Basin	23,507,783
Southwest Region	5,642,713
Greater Lenoir	1,067,610
New York Metro	1,324,895
Denver CO	1,321,574
Florida Region	623,908
Midwest Region	3,504,809
Northern OH	8,724,560
Central Region	19,306,183
Ashland Ky	12,440,621
Pasadena	663,476
New York	7,642,884
New Jersey	1,638,470
Delaware	8,556,505
Virginia	4,321,249
West Virginia	515,004
North Carolina	1,466,465
South Carolina	2,550,063
Wyoming	6,166,318
Idaho	1,354,539
Utah	2,495,129
Arizona	6,395,798
New Mexico	3,700,758
Nevada	38,457,549
Washington	18,089,888
Oregon	4,999,030
California	6,738,893
Florida	
Alabama	
Tennessee	

Summary Totals: 296,861,403 296,861,403 0 0 0 0

Msg: Supply Chain Modeler ... Number of Available Suppliers: 2 / Number of Candidate DCs: 16 / User Selected DCs: 0

# How to Add Suppliers

Logix v6.0 - Viewing | How to Add Suppliers

Project Edit View Reports Data Tools Solve Help

Model Settings

MODEL PARAMETERS  
DEFAULTS (Annual)

[-] 5 SUPPLIERS & PLANTS  
US Supply Inc.  
Mega Parts Inc.

[-] 8 DISTRIBUTION CENTERS  
Hudson Valley NY  
Outer Atlanta Region  
Chicagoland  
LOS Angeles Basin  
Southwest Region  
Greater Lehigh valley  
New York Metro Area  
Deriver CO  
Florida Region  
Midwest Region  
Northern Ohio  
Central Region  
Ashland KY  
Pasadena CA  
McKenzie TN  
Northwest Region

[-] CUSTOMERS & MARKETS

Region	Population
NE	6,437,193
SE	9,265,942
CE	12,631,970
SW	23,507,782
AC	5,615,727
CE	5,842,733
NE	1,067,610
NE	1,314,895
NE	1,324,574
NE	623,908
NE	3,504,809
AC	8,724,560
AC	19,306,183
AC	12,440,621
AC	853,476
AC	7,642,884
AC	1,618,470
SE	5,656,505
SE	4,321,243

Supply Chain Modeler

Map Satellite You are using a browser that is not supported by the Google Maps JavaScript API. Consider changing your browser.

United States

Mexico

Cuba

HOW TO ADD DCs

- Enter Any Existing and Candidate Distribution Centers
- Enter DC Capacity by Product in 'SgFl Units
- Select Any DCs you want in the solution or model
- Enter Number of Sites OR \* to optimize number AND location
- Link DCs to Customers using Region Codes (Sim only)
- Run Any Optimization or Simulation Mode
- Use Greenfield or Proximity Option to Fine Tune Solution.

Supply Chain Modeler shows two suppliers in this demo capable of providing products to ALL of the DCs. Suppliers and products are unlimited in Logix.

Start

Task Monitor Memory (12 GB)

5:02 PM 4/17/2018

# How to Add Suppliers

The screenshot displays the Logix v6.0 interface with the 'How to Add Suppliers' window open. The window shows a list of suppliers and a detailed view for 'Mega Parts Inc.' in Austin, TX 78700. A callout box highlights the following data for this supplier:

Field	Value
Max Qty	30000000
Prdt (\$/ea)	0.02
Trans (\$/mi)	0.12
Trans (\$)	50

The background window shows a list of suppliers with columns for Region, A, B, C, D, E, and Source. The 'Mega Parts Inc.' entry is highlighted. The interface also includes a sidebar with navigation options, a map of Austin, TX, and a status bar at the bottom.

Supplier data includes available quantity or maximum throughput, transport fixed and per mile rates and product price or per unit cost as well as region and other details.

# How to Add Suppliers

“Optimization Parameters” let you control the optimization process including whether to include both Inbound and Outbound Simultaneous Optimization, Ship Direct from Suppliers or include Product Pricing as part of the decision making process.

State	WE	SE	SW	NE
Idaho	1,466,465			
Utah	2,550,063			
Arizona	6,166,318			
New Mexico	1,954,599			
Nevada	2,495,529			
Washington	6,399,798			
Oregon	3,700,758			
California	36,457,549			
Florida		19,089,888		
Alabama		4,599,030		
Tennessee		6,792,902		

Summary Totals: 296,861,403 296,861,403 0 0 0 0

Msg: Supply Chain Modeler ... Number of Available Suppliers: 2 / Number of Candidate DCs: 16 / User Selected DCs: 0

# How to Add Suppliers

The Multi-Echelon Optimization process takes into account the inbound as well as the outbound transportation, product sourcing, warehousing and inventory costs as well as total lead time for the end-to-end supply chain.

Site Name	Prdt/Region	Distance	Quantity	Trans\$	Whs/Prdt\$	Total\$	Mag	ProLogix Detail
<b>SITE LOCATION -- Allentown PA</b>								
US Supply Inc.	A	--	419	45,503,210	170,956	0	170,956	
Mega Parts Inc.	A	--	1,768	51,006,421	595,456	0	595,456	
<b>TOTAL (Inbound)</b>			<b>2,187</b>	<b>136,509,632</b>	<b>767,412</b>	<b>0</b>	<b>767,412</b>	
@ Greater Lehigh Valley								
Massachusetts	A	--	314	6,437,193	151,596			
Maryland	A	--	135	5,615,727	56,659			
Rhode Island	A	--	277	1,067,610	22,180			
New Hampshire	A	--	324	1,314,895	31,952			
Maine	A	--	557	1,321,674	55,209			
Vermont	A	--	261	623,908	12,213			
Connecticut	A	--	154	3,504,809	40,461			
New Jersey	A	--	90	8,724,560	53,891			
New York	A	--	97	19,306,183	140,452			
Pennsylvania	A	--	187	12,440,621	174,480			
Delaware	A	--	72	852,476	4,609			
Virginia	A	--	293	7,642,884	167,952			
West Virginia	A	--	193	1,818,470	26,322			
North Carolina	A	--	482	8,856,505	320,163			
Ohio	A	--	404	11,478,006	247,784			
<b>TOTAL (Outbound)</b>			<b>3,840</b>	<b>91,006,421</b>	<b>1,611,143</b>	<b>1,681,290</b>	<b>3,295,443</b>	
<b>SITE LOCATION -- Pasadena CA</b>								
US Supply Inc.	A	--	2,622	33,700,046	349,335	0	349,335	
Mega Parts Inc.	A	--	1,501	67,400,093	387,753	0	387,753	
<b>TOTAL (Inbound)</b>			<b>4,123</b>	<b>101,100,138</b>	<b>737,087</b>	<b>0</b>	<b>737,087</b>	
@ Pasadena CA								
Wyoming	A	--	1,084	515,004	41,870			
Idaho	A	--	813	1,466,463	89,418			
Utah	A	--	859	2,550,063	126,037			
Arizona	A	--	431	6,166,318	199,326			
New Mexico	A	--	857	1,954,599	123,632			
Nevada	A	--	269	2,495,529	50,347			
Washington	A	--	1,151	6,395,798	552,117			
Oregon	A	--	1,008	3,700,758	279,777			
California	A	--	426	36,457,549	1,164,819			
Montana	A	--	1,226	944,632	86,659			
Colorado	A	--	1,004	4,753,377	357,929			
<b>TOTAL (Outbound)</b>			<b>8,928</b>	<b>67,400,092</b>	<b>3,074,131</b>	<b>2,535,027</b>	<b>5,609,158</b>	
<b>SITE LOCATION -- McKenzie TN</b>								
US Supply Inc.	A	--	580	69,227,445	293,524	0	293,524	
Mega Parts Inc.	A	--	825	138,454,890	515,744	0	515,744	
<b>TOTAL (Inbound)</b>			<b>1,405</b>	<b>207,682,335</b>	<b>809,269</b>	<b>0</b>	<b>809,269</b>	
@ McKenzie TN								
Georgia	A	--	347	9,362,941	243,697			
Illinois	A	--	490	12,831,970	471,575			
Texas	A	--	646	23,507,783	1,125,952			
Missouri	A	--	247	5,847,713	108,236			
South Carolina	A	--	647	4,321,249	209,689			
Florida	A	--	1,062	18,089,888	1,440,860			
Alabama	A	--	176	4,599,030	60,707			
Tennessee	A	--	106	6,038,803	48,008			
Mississippi	A	--	346	2,910,540	75,529			
Kentucky	A	--	258	4,206,074	81,388			
Indiana	A	--	379	6,311,520	179,462			
Michigan	A	--	832	10,095,643	478,533			
<b>Summary Totals:</b>								
			<b>32,714</b>	<b>296,861,403</b>	<b>12,998,293</b>	<b>5,750,865</b>	<b>18,749,158</b>	<b>/d</b>

Map: Current Solution is \$ 18,749,158 ... (Optimum Solution Range is \$ 18,749,158 to \$ 18,749,158 at a 100% confidence level)

# Map Displays and Controls

The screenshot displays the Logix v6.0 software interface. On the left, there are panels for 'Model Settings', 'Model Results', 'Model Parameters', and 'Model Options'. The main area is a data table with columns: Site Name, Prct./Region, Distance, Quantity, and Trans\$. The table is divided into three sections for different site locations: Allentown PA, Pasadena CA, and McKenzie TN. Each section lists various states and their corresponding data values.

Site Name	Prct./Region	Distance	Quantity	Trans\$
<b>SITE LOCATION ~ Allentown PA</b>				
US Supply Inc.	A	419	45,503,210	170,956
Mega Parts Inc.	A	1,768	31,006,421	596,456
TOTAL (Inbound)		2,187	136,509,632	767,412
<b>SITE LOCATION ~ Pasadena CA</b>				
US Supply Inc.	A	2,622	33,700,046	349,335
Mega Parts Inc.	A	1,501	67,400,092	387,753
TOTAL (Inbound)		4,123	101,100,138	737,087
<b>SITE LOCATION ~ McKenzie TN</b>				
US Supply Inc.	A	580	69,227,441	293,524
Mega Parts Inc.	A	825	138,454,890	515,744
TOTAL (Inbound)		1,405	207,682,335	809,269

On the right, the Google Maps interface shows a map of the United States. Three circular regions are highlighted: a red circle around the West Coast (California, Oregon, Nevada), an orange circle around the Midwest (Illinois, Indiana, Michigan, Ohio), and a purple circle around the Northeast (New York, Pennsylvania, New Jersey, Delaware, Maryland). A dashed line connects the centers of these circles, passing through major cities like San Francisco, Los Angeles, Las Vegas, Dallas, Houston, Chicago, Philadelphia, and New York. The map includes standard Google Maps controls like zoom, pan, and search.

The Google Maps Interface shows inbound and/or outbound displays – here only inbound is displayed.

# Map Displays and Controls

The screenshot displays the Logix v6.0 software interface. On the left, the 'Model Settings' panel shows optimization results for three site locations: Allentown PA, Pasadena CA, and McKenzie TN. The 'Model Results' section indicates a total cost of \$18,749,150 and a service level of 80.4%. The 'Simulation Results' section shows a total cost of \$22,259,374 and a service level of 70.8%.

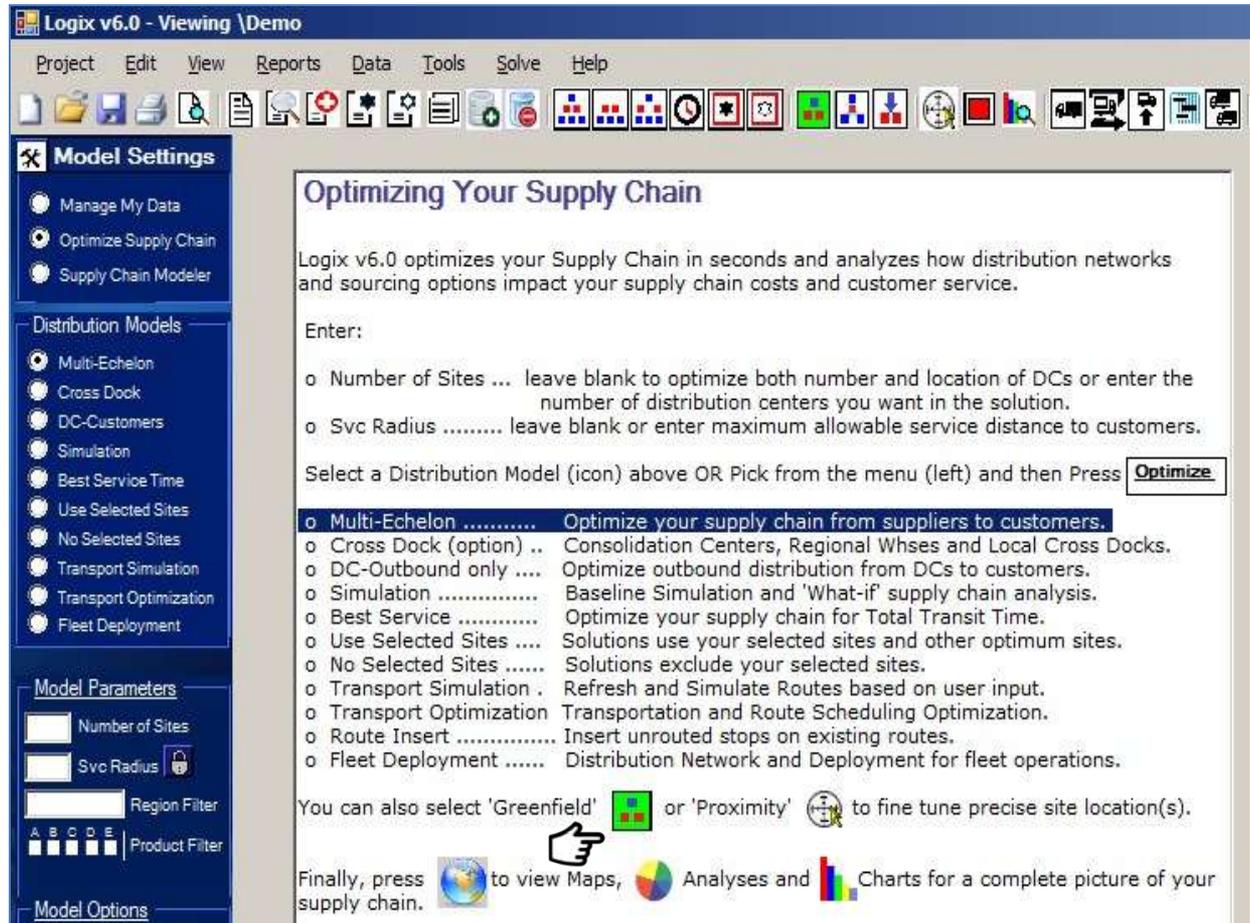
Site Name	Prdt/Region	Distance	Quantity	Trans\$
<b>SITE LOCATION -- Allentown PA</b>				
US Supply Inc.	A	419	45,503,210	170,956
Mega Parts Inc.	A	1,768	31,006,421	596,456
TOTAL (Inbound)		2,187	136,509,632	767,412
@ Greater Lehigh Valley				
Massachusetts	A	314	6,437,193	151,196
Maryland	A	135	5,615,727	56,859
Rhode Island	A	277	1,067,610	22,180
New Hampshire	A	324	1,314,895	31,952
Maine	A	557	1,321,574	55,209
Vermont	A	261	623,908	12,213
Connecticut	A	154	2,504,809	40,481
New Jersey	A	90	8,724,569	58,391
New York	A	97	19,306,183	140,452
Pennsylvania	A	187	12,440,621	174,480
Delaware	A	72	853,476	4,609
Virginia	A	293	7,642,884	167,952
West Virginia	A	193	1,818,470	36,323
North Carolina	A	482	8,856,505	320,163
Ohio	A	404	11,478,005	147,784
TOTAL (Outbound)		3,840	51,006,421	1,631,143
<b>SITE LOCATION -- Pasadena CA</b>				
US Supply Inc.	A	2,622	33,700,046	349,335
Mega Parts Inc.	A	1,501	67,400,092	387,753
TOTAL (Inbound)		4,123	101,100,138	737,087
@ Pasadena CA				
Wyoming	A	1,084	515,004	41,870
Idaho	A	813	1,866,461	89,418
Utah	A	659	2,550,063	126,037
Arizona	A	431	6,166,318	199,326
New Mexico	A	857	1,954,599	125,632
Nevada	A	769	2,495,529	50,347
Washington	A	1,151	6,395,798	552,117
Oregon	A	1,008	3,700,758	279,777
California	A	426	36,457,549	1,164,819
Montana	A	1,226	344,633	86,859
Colorado	A	1,004	4,753,377	357,929
TOTAL (Outbound)		8,928	67,400,092	3,074,131
<b>SITE LOCATION -- McKenzie TN</b>				
US Supply Inc.	A	580	69,227,441	293,524
Mega Parts Inc.	A	825	138,464,890	515,744
TOTAL (Inbound)		1,405	207,692,335	809,268
@ McKenzie TN				

The Google Maps interface on the right shows a map of the United States with various site locations marked by colored pins. Lines connect these pins, representing supply routes. The map includes controls for zooming, panning, and switching between different map views (Map, Satellite). A text box at the bottom of the map area reads: "The Google Maps Interface shows inbound and outbound displays with product sourcing and one-day delivery details."

# Greenfield and Proximity Solutions

Logix lets you optimize your network “from scratch” or add distribution sites without knowing in advance where they should be located.

Logix uses proprietary Greenfield  Proximity  and Multi-Echelon algorithms to do this.



**Logix v6.0 - Viewing \Demo**

Project Edit View Reports Data Tools Solve Help

**Model Settings**

- Manage My Data
- Optimize Supply Chain
- Supply Chain Modeler

**Distribution Models**

- Multi-Echelon
- Cross Dock
- DC-Customers
- Simulation
- Best Service Time
- Use Selected Sites
- No Selected Sites
- Transport Simulation
- Transport Optimization
- Fleet Deployment

**Model Parameters**

Number of Sites:

Svc Radius:

Region Filter:

Product Filter:

**Model Options**

**Optimizing Your Supply Chain**

Logix v6.0 optimizes your Supply Chain in seconds and analyzes how distribution networks and sourcing options impact your supply chain costs and customer service.

Enter:

- o Number of Sites ... leave blank to optimize both number and location of DCs or enter the number of distribution centers you want in the solution.
- o Svc Radius ..... leave blank or enter maximum allowable service distance to customers.

Select a Distribution Model (icon) above OR Pick from the menu (left) and then Press **Optimize**.

- Multi-Echelon ..... Optimize your supply chain from suppliers to customers.
- Cross Dock (option) .. Consolidation Centers, Regional Whses and Local Cross Docks.
- DC-Outbound only .... Optimize outbound distribution from DCs to customers.
- Simulation ..... Baseline Simulation and 'What-if' supply chain analysis.
- Best Service ..... Optimize your supply chain for Total Transit Time.
- Use Selected Sites .... Solutions use your selected sites and other optimum sites.
- No Selected Sites ..... Solutions exclude your selected sites.
- Transport Simulation . Refresh and Simulate Routes based on user input.
- Transport Optimization Transportation and Route Scheduling Optimization.
- Route Insert ..... Insert unrouted stops on existing routes.
- Fleet Deployment ..... Distribution Network and Deployment for fleet operations.

You can also select 'Greenfield'  or 'Proximity'  to fine tune precise site location(s).

Finally, press  to view Maps,   Analyses and  Charts for a complete picture of your supply chain.

# Greenfield and Proximity Optimization

**Logix v6.0 - Viewing Demo**

Project Edit View Reports Data Tools Solve Help

**Model Settings**

- Manage My Data
- Optimize Supply Chain
- Supply Chain Modeler

**Model Results**

- Optimization Results
  - ServiceLvl: 80.4%
  - Cost: \$15,308,131
- Simulation Results
  - ServiceLvl: 70.8%
  - Cost: \$20,019,172

**Model Parameters**

- Number of Sites: 600
- Info Only
- Region Filter
- Product Filter

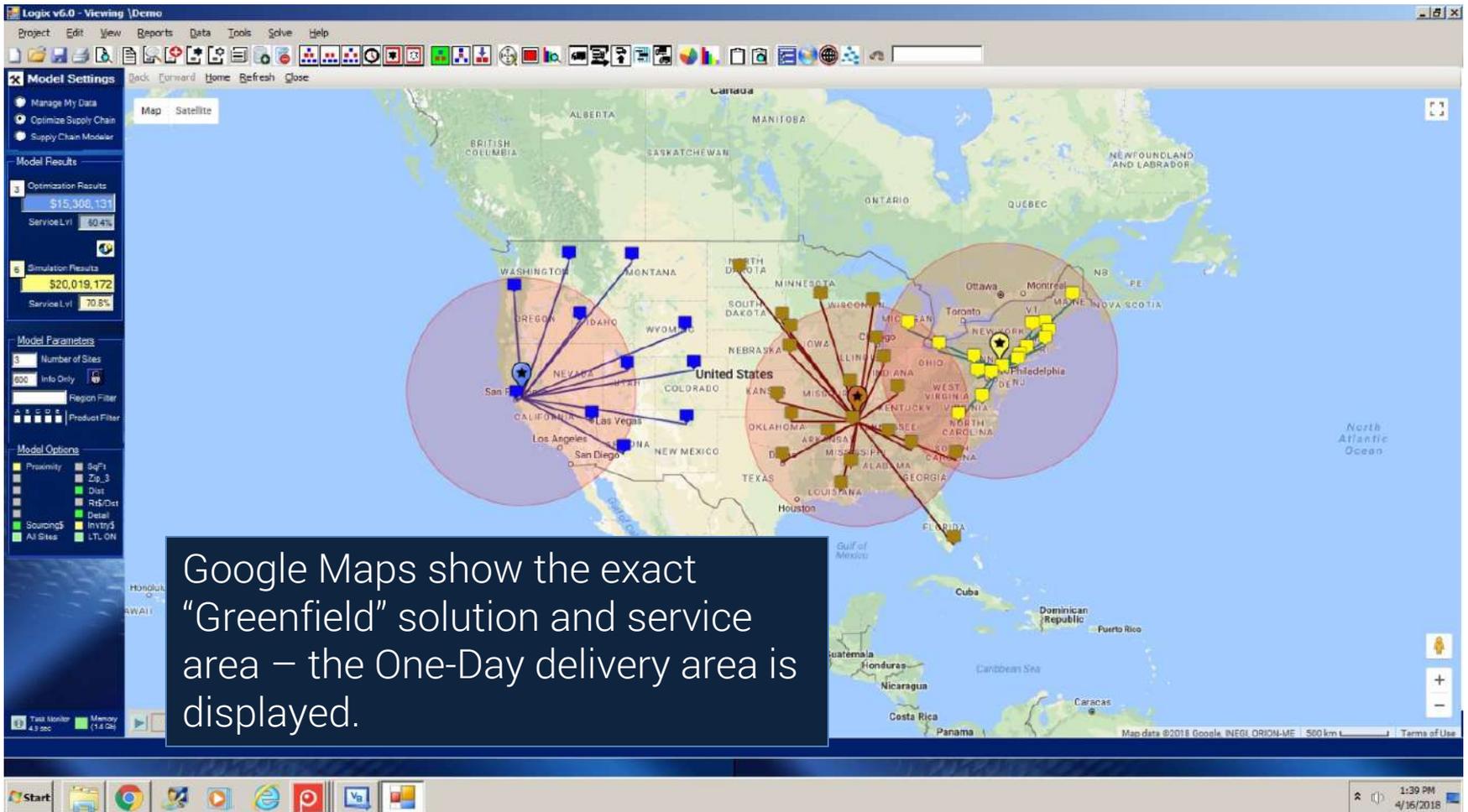
**Model Options**

- Proximity
- Zip\_3
- Dist
- RIS/Dist
- Detail
- Sourcing
- Invtory
- All Sites
- LTL ON

Site Name	Prdt/Region	Distance	Quantity	Trans\$	Wha/Prdt\$	Total\$	Mag	ProLogix Detail
<b>SITE LOCATION ~ Reading PA ... approx. 28.79 mi. S &amp; 28.79 mi. W of Allentown PA</b>								
Greater Lehigh Valley AC								
Masachusetts	A	355	6,437,493	171,390				
Maryland	A	91	5,615,727	38,227				
Rhode Island	A	116	1,067,610	25,202				
New Hampshire	A	167	1,314,891	36,193				
Maine	A	602	1,321,574	59,669				
Vermont	A	305	623,908	14,272				
Connecticut	A	193	3,504,809	50,732				
New Jersey	A	114	8,724,560	74,595				
New York	A	130	19,306,183	188,235				
Pennsylvania	A	162	12,440,621	151,154				
Delaware	A	42	357,475	2,688				
Virginia	A	250	7,642,884	143,304				
West Virginia	A	152	1,818,470	20,731				
North Carolina	A	428	8,856,505	290,356				
Ohio	A	387	11,475,005	333,149				
Michigan	A	602	10,096,643	455,818				
(Outbound)	A	4,506	101,102,064	2,056,494	1,724,740			
<b>SITE LOCATION ~ Pleasanton CA ... approx. 260.24 mi. N &amp; 260.24 mi. W of Pasadena CA</b>								
Pasadena CA								
Montana	A	1,056	944,632	74,815				
Colorado	A	1,213	4,752,377	396,788				
Wyoming	A	1,058	515,004	42,411				
Idaho	A	605	1,456,465	66,541				
Utah	A	696	2,550,063	133,113				
Arizona	A	773	6,186,315	357,492				
New Mexico	A	1,092	1,354,539	160,082				
Nevada	A	483	2,495,529	90,401				
Washington	A	877	6,391,798	420,684				
Oregon	A	647	3,700,758	179,579				
California	A	38	36,457,549	103,904				
(Outbound)	A	8,478	67,400,092	2,025,810	2,535,061			
<b>SITE LOCATION ~ Atamo TN ... approx. 71.39 mi. W of McKenzie TN</b>								
McKenzie TN								
Georgia	A	408	9,363,941	286,137				
Illinois	A	502	12,831,970	483,124				
Texas	A	582	23,507,783	1,026,115				
Missouri	A	220	5,842,713	96,405				
South Carolina	A	713	4,321,249	231,079				
Florida	A	1,106	16,089,888	1,500,556				
Alabama	A	234	4,599,030	80,713				
Tennessee	A	42	6,038,803	19,022				
Mississippi	A	329	2,910,540	71,818				
Kentucky	A	312	4,206,074	98,422				
Indiana	A	403	6,312,520	290,366				
Iowa	A	697	2,982,081	155,888				
Wisconsin	A	720	5,556,506	300,051				
Minnesota	A	786	5,167,101	304,601				
South Dakota	A	787	781,919	40,713				
North Dakota	A	1,164	635,867	55,511				
Kansas	A	547	2,764,075	113,396				
Nebraska	A	613	1,768,331	81,299				
Louisiana	A	494	4,137,164	158,842				
Arkansas	A	229	2,510,872	48,277				
<b>Summary Totals:</b> 24,312 296,861,403 9,549,073 5,759,058 15,308,131 /d								

Greenfield and Proximity Optimization show you exactly where the optimum distribution facilities should be located and how much it's costing you not to be located there.

# Greenfield and Proximity Optimization



Google Maps show the exact “Greenfield” solution and service area – the One-Day delivery area is displayed.

# Greenfield and Proximity Optimization

The screenshot displays the Logix v6.0 software interface. The main window shows a table of supplier data with columns for Site Name, Pkts/Region, Distance, Quantity, Trans\$, Whs/Pkts\$, Total\$, and Msg. A callout box titled 'Model Results' is overlaid on the table, showing 'Optimization Results' with a total cost of \$17,701,527 and a Service Level of 80.4%, and 'Simulation Results' with a total cost of \$22,259,374 and a Service Level of 70.8%.

Site Name	Pkts/Region	Distance	Quantity	Trans\$	Whs/Pkts\$	Total\$	Msg	ProLogix Detail
<b>SITE LOCATION -- Reading PA ... approx. 28.79 mi. S &amp; 28.79 mi. W of Allentown PA</b>								
US Supply Inc.	A	375	50,551,032	183,345	0	183,247		
Mega Parts Inc.	A	1,730	101,102,064	651,097	0	651,097		
<b>TOTAL (Inbound)</b>		<b>2,105</b>	<b>151,653,096</b>	<b>834,345</b>	<b>0</b>	<b>834,345</b>		
Greater Lehigh Valley	AC							Click Here Proximity (RadarView) Analysis
Massachusetts	A	355	6,437,193	171,390				
Maryland	A	91	5,618,727	38,327				
Rhode Island	A	316	1,067,610	25,902				
New Hampshire	A	167	1,514,895	36,192				
Maine	A	602	1,321,574	59,669			d <	
Vermont	A	105	623,908	14,272				
Connecticut	A	193	3,504,809	50,732				
New Jersey	A	134	8,724,560	74,595				
New York	A	130	19,306,183	188,235				
Penn	A	162	12,440,621	151,154				
		42	851,476	2,688				
		250	7,542,384	143,304				
		152	1,818,470	20,731				
		438	8,856,505	290,936				
		387	11,478,006	333,149				
		602	10,085,643	455,818			d <	
<b>TOTAL</b>		<b>4,506</b>	<b>101,102,064</b>	<b>2,056,494</b>	<b>1,724,698</b>	<b>3,781,192</b>		
<b>SITE LOCATION -- Alamo TN ... approx. 70.24 mi. N &amp; 260.24 mi. W of Pasadena CA</b>								
US Supply Inc.	A	2,794	33,700,045	366,734	0	366,734		
Mega Pa	A	1,814	67,400,092	451,041	0	451,041		
<b>TOTAL (Inbound)</b>		<b>4,608</b>	<b>101,100,138</b>	<b>817,765</b>	<b>0</b>	<b>817,765</b>		
Pasadena	A	1,098	515,004	42,411				Click Here Proximity (RadarView) Analysis
Idaho	A	605	1,466,465	66,541			d <	
Utah	A	696	2,550,063	133,113			d <	
Arizona	A	772	6,166,313	357,492			d <	
New Mexico	A	1,092	1,354,539	360,082			d <	
Nevada	A	483	2,495,529	90,401			d <	
Washington	A	877	6,395,798	420,684			d <	
Oregon	A	647	3,700,758	179,570			d <	
California	A	36	36,487,549	103,904			d <	
Montana	A	1,056	944,632	74,815			d <	
Colorado	A	1,113	4,752,277	396,788			d <	
<b>TOTAL (Outbound)</b>		<b>8,478</b>	<b>67,400,092</b>	<b>2,025,810</b>	<b>2,535,027</b>	<b>4,560,837</b>		
<b>SITE LOCATION -- Alamo TN ... approx. 71.39 mi. W of McKenzie TN</b>								
US Supply Inc.	A	650	64,179,624	285,599	0	285,599		
Mega Parts Inc.	A	767	119,359,247	455,804	0	455,804		
<b>TOTAL (Inbound)</b>		<b>1,417</b>	<b>183,538,871</b>	<b>741,403</b>	<b>0</b>	<b>741,403</b>		
							d <	
							d <	

Model Results  
Optimization Results  
\$17,701,527  
Service Lvl 80.4%

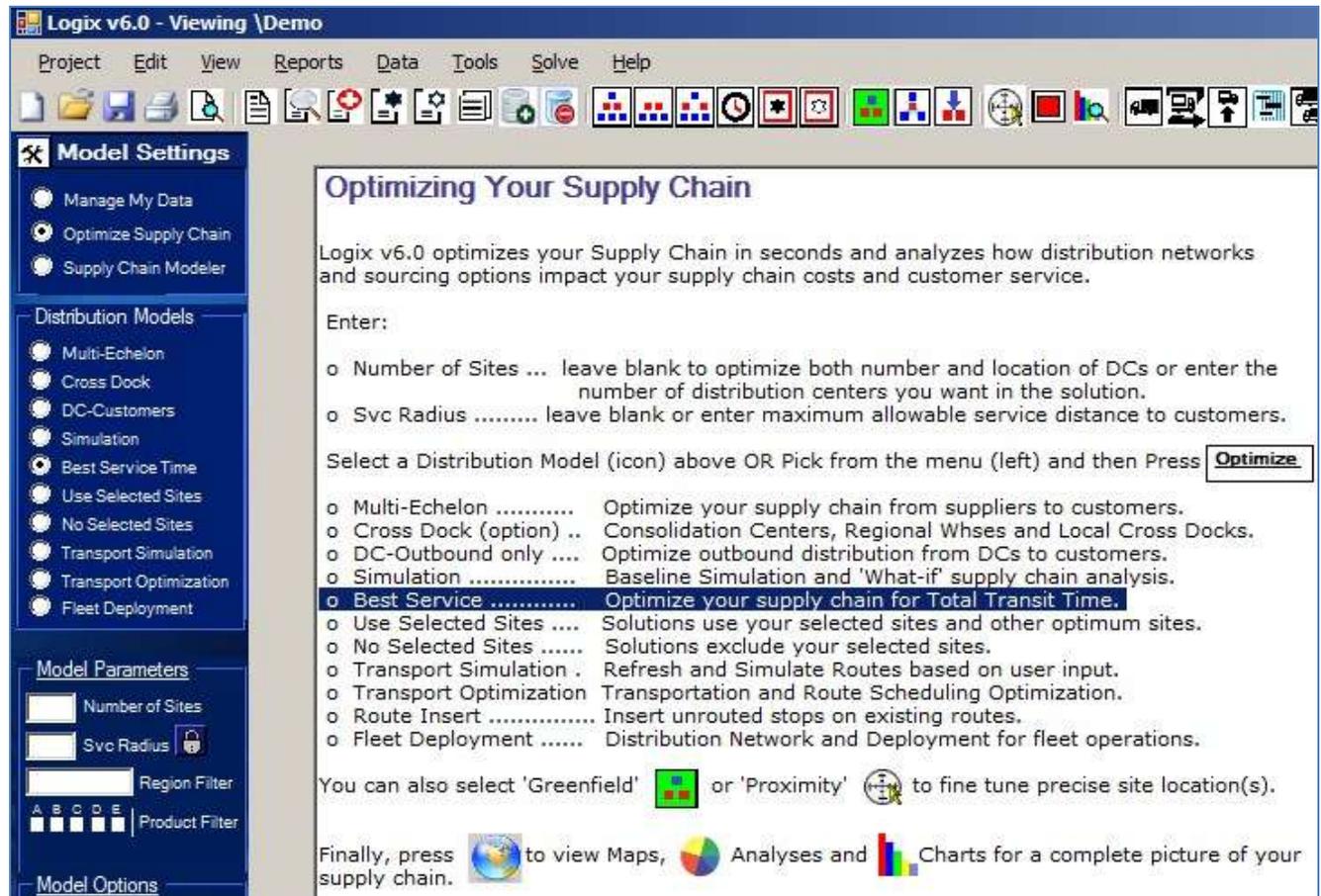
Simulation Results  
\$22,259,374  
Service Lvl 70.8%

Instantly see if Greenfield or Proximity Optimization results in lower cost and/or better service. In this example, we used Proximity Optimization.

# Best Service Optimization

Best Service Optimization  determines the optimum number and location of distribution centers to meet your service level target.

Logistics Service Providers (3PLs) often map their customers' requirements to their DC network.



**Logix v6.0 - Viewing \Demo**

Project Edit View Reports Data Tools Solve Help

**Model Settings**

- Manage My Data
- Optimize Supply Chain
- Supply Chain Modeler

**Distribution Models**

- Multi-Echelon
- Cross Dock
- DC-Customers
- Simulation
- Best Service Time
- Use Selected Sites
- No Selected Sites
- Transport Simulation
- Transport Optimization
- Fleet Deployment

**Model Parameters**

Number of Sites:

Svc Radius:

Region Filter:

Product Filter:

**Model Options**

### Optimizing Your Supply Chain

Logix v6.0 optimizes your Supply Chain in seconds and analyzes how distribution networks and sourcing options impact your supply chain costs and customer service.

Enter:

- o Number of Sites ... leave blank to optimize both number and location of DCs or enter the number of distribution centers you want in the solution.
- o Svc Radius ..... leave blank or enter maximum allowable service distance to customers.

Select a Distribution Model (icon) above OR Pick from the menu (left) and then Press **Optimize**

- o Multi-Echelon ..... Optimize your supply chain from suppliers to customers.
- o Cross Dock (option) .. Consolidation Centers, Regional Whses and Local Cross Docks.
- o DC-Outbound only .... Optimize outbound distribution from DCs to customers.
- o Simulation ..... Baseline Simulation and 'What-if' supply chain analysis.
- o Best Service ..... Optimize your supply chain for Total Transit Time.**
- o Use Selected Sites .... Solutions use your selected sites and other optimum sites.
- o No Selected Sites ..... Solutions exclude your selected sites.
- o Transport Simulation . Refresh and Simulate Routes based on user input.
- o Transport Optimization Transportation and Route Scheduling Optimization.
- o Route Insert ..... Insert unrouted stops on existing routes.
- o Fleet Deployment ..... Distribution Network and Deployment for fleet operations.

You can also select 'Greenfield'  or 'Proximity'  to fine tune precise site location(s).

Finally, press  to view Maps,  Analyses and  Charts for a complete picture of your supply chain.

# Best Service Optimization

The screenshot displays the Logix v6.0 software interface, specifically the 'Display and Optimization Parameters' window. The 'Target Svc%' field is highlighted with a blue circle and a callout box. The callout box contains the text: 'Set your target service level for Best Service Optimization – here the service level is set for 95%.' The interface also shows various optimization options, simulation results, and a summary table at the bottom.

Item	Transit\$	Whs/Prft\$	Total\$	Msg
Summary Totals:	34,942	296,861,403	12,873,414	5,750,865
CFS Intermodal Facility	769	69,227,445	276,357	0
Mega PARTS INC.	825	138,454,890	515,744	0
TOTAL (Inbound)	1,783	207,682,335	904,422	0
McKenzie TN				
Georgia	347	9,963,941	243,697	0
Illinois	490	12,831,970	471,575	0
South Carolina	647	4,321,249	209,639	0
Florida	1,062	18,089,888	1,440,960	0
Alabama	176	4,539,030	60,707	0
Tennessee	106	6,038,303	48,068	0
Mississippi	346	2,910,540	75,529	0

# Best Service Optimization

The Task Monitor tracks the optimization process and lets you Pause, Stop or Refresh while you see the intermediate solutions during optimization.

Current Solution	Cost
Hudson Va   Chicagoan   Los Ange   Southwest   Denver CO   Florida Re   Northwest   = \$23,341,104	
Hudson Va   Chicagoan   Southwest   Denver CO   Florida Re   Pasadena C   Northwest   = \$23,331,760	\$23,331,760

Location	Type	Cost	Other Values
Louisiana	A	319	4,287,769
Arkansas	A	474	2,810,872
Oklahoma	A	543	3,579,212
TOTAL (Outbound)		2,050	37,096,175
<b>SITE LOCATION ~ Denver CO</b>			
US Supply Inc.	A	1,665	6,586,492
Mega Parts Inc.	A	950	13,172,985
TOTAL (Inbound)		2,615	19,759,478
@ Denver CO			
Wyoming	A	277	515,004

Summary Totals:	35,549	296,861,403	9,581,230	13,750,530	23,331,760	/d
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# Best Service Optimization

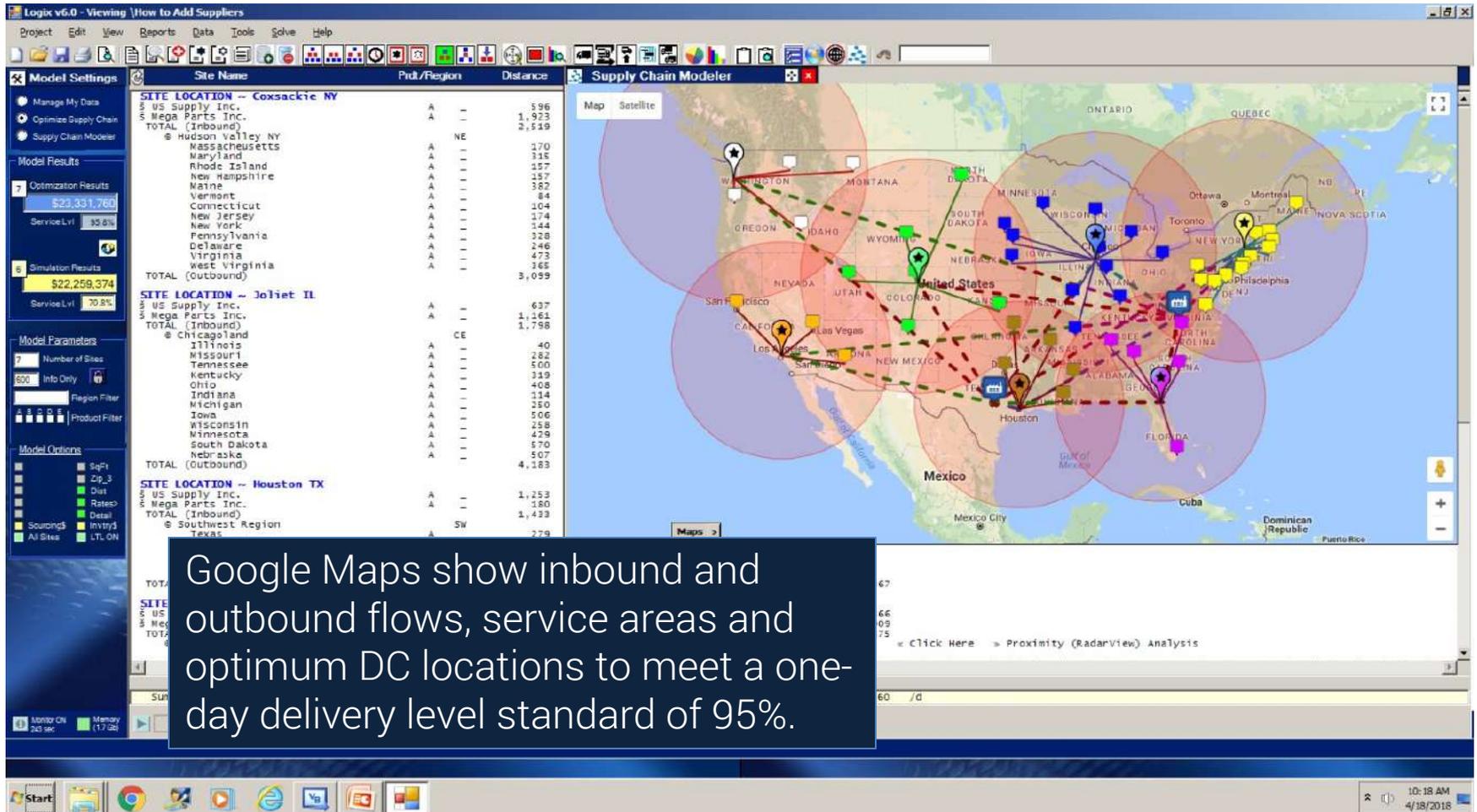
The screenshot displays the Logix v6.0 interface with a table of site locations and optimization results. A callout box highlights the 'Optimization Results' for 7 facilities, showing a total cost of \$23,331,760 and a service level of 95.8%.

Site Name	Prtk/Region	Distance	Quantity	Trans\$	Whs/Prtk\$	Total\$	Msg	ProLogix Detail
<b>SITE LOCATION -- Coxsack NY</b>								
US Supply Inc.	A	---	596	35,335,955	151,521	0	151,521	
Mega Parts Inc.	A	---	1,923	70,671,910	496,046	0	496,046	
TOTAL (Inbound)			2,519	106,007,865	647,567	0	647,567	
<b>SITE LOCATION -- Denver CO</b>								
US Supply Inc.	A	---	1,665	6,536,492	49,366	0	49,366	
Mega Parts Inc.	A	---	950	13,172,985	54,009	0	54,009	
TOTAL (Inbound)			2,615	19,709,477	103,375	0	103,375	
Wyoming	A	---	277	515,004	10,699	0	10,699	

**Optimization Results (Callout):**  
 Total Cost: \$23,331,760  
 Service Level: 95.8%  
 Simulation Results: \$22,259,374  
 Service Level: 70.8%

Best Service Optimization determines the optimum number and location of distribution centers to meet your service level target – here 7 facilities are required to meet a one-day delivery standard at 95%.

# Best Service Optimization



# Pooling and Cross Dock Optimization

Cross Dock  optimization lets you optimize pooling centers and cross docks as well as intermodal facilities and in-transit sites.

Logix uses proprietary Cross Dock and Multi-Echelon algorithms to do this.

**Model Settings**

- Manage My Data
- Optimize Supply Chain
- Supply Chain Modeler

**Distribution Models**

- Multi-Echelon
- Cross Dock
- DC-Customers
- Simulation
- Best Service Time
- Use Selected Sites
- No Selected Sites
- Transport Simulation
- Transport Optimization
- Fleet Deployment

**Model Parameters**

3 Number of Sites

600 Info Only 

Region Filter

A B C D E Product Filter

**Model Options**

## Optimizing Your Supply Chain

Logix v6.0 optimizes your Supply Chain in seconds and analyzes how distribution networks and sourcing options impact your supply chain costs and customer service.

Enter:

- o Number of Sites ... leave blank to optimize both number and location of DCs or enter the number of distribution centers you want in the solution.
- o Svc Radius ..... leave blank or enter maximum allowable service distance to customers.

Select a Distribution Model (icon) above OR Pick from the menu (left) and then Press **Optimize**

- o Multi-Echelon ..... Optimize your supply chain from suppliers to customers.
- o Cross Dock (option) .. Consolidation Centers, Regional Whses and Local Cross Docks.**
- o DC-Outbound only .... Optimize outbound distribution from DCs to customers.
- o Simulation ..... Baseline, modeling and 'What-if' supply chain analysis.
- o Best Service ..... Optimize your supply chain for Total Transit Time.
- o Use Selected Sites .... Solutions use your selected sites and other optimum sites.
- o No Selected Sites ..... Solutions exclude your selected sites.
- o Transport Simulation . Refresh and Simulate Routes based on user input.
- o Transport Optimization Transportation and Route Scheduling Optimization.
- o Route Insert ..... Insert unrouted stops on existing routes.
- o Fleet Deployment ..... Distribution Network and Deployment for fleet operations.

You can also select 'Greenfield'  or 'Proximity'  to fine tune precise site location(s).

Finally, press  to view Maps,  Analyses and  Charts for a complete picture of your supply chain.

# Pooling and Cross Dock Optimization

**Logix v6.0 - Viewing \How to Add Whsees Pooling Ctrs**

Project Edit View Reports Data Tools Solve Help

**Model Settings**

Manage My Data  
Optimize Supply Chain  
Supply Chain Modeler

**Model Results**

Optimization Results  
\$18,624,279  
ServiceLvl: 80.4%

Simulation Results  
\$22,259,374  
ServiceLvl: 70.8%

**Model Parameters**

Number of Sites: 800  
Info Only

Region Filter  
Product Filter

**Model Options**

Size  
Zip\_3  
CrossDock  
Dist  
RIS/Dist  
Detail  
Sourcing\$  
Inventory\$  
All Sites  
LTL ON

Site Name	Prdt/Region	Distance	Quantity	Trans\$	Wha/Prdt\$	Total\$	Mag	ProLogix Detail
<b>SITE LOCATION ~ Allentown PA</b>								
US Supply Inc.	A --	189	45,503,210	139,558	0	139,558		
- CFS Intermodal Facility	A --	287	45,503,210	61,088	0	61,088		
\$ Mega Parts Inc.	A --	885	91,006,421	355,380	0	355,380		
- National Warehousing Corp	A --	978	91,006,421	59,104	0	59,104		
TOTAL (Inbound)		2,339	176,509,632	615,131	0	615,131		
<b>Greater Lehigh valley</b>								
Massachusetts	A --	314	6,437,139	151,596				
Delaware	A --	72	853,475	74,509				
Virginia	A --	293	7,642,884	167,952				
West Virginia	A --	193	1,816,470	26,322				
North Carolina	A --	482	8,856,505	320,163				
Ohio	A --	404	11,478,005	347,784				
Maryland	A --	135	5,615,727	56,859				
Rhode Island	A --	277	1,067,610	22,180				
New Hampshire	A --	324	1,314,895	31,952				
Maine	A --	557	1,321,574	55,209				
Vermont	A --	261	623,908	12,213				
Connecticut	A --	154	3,504,809	40,481				
New Jersey	A --	90	8,724,580	58,891				
New York	A --	57	19,306,183	190,452				
Pennsylvania	A --	187	12,440,621	174,480				
TOTAL (Outbound)		3,840	91,006,421	1,611,143	1,681,290	3,292,433		
<b>SITE LOCATION ~ Pasadena CA</b>								
US Supply Inc.	A --	189	33,700,046	103,358	0	103,358		
- CFS Intermodal Facility	A --	2,805	33,700,046	257,384	0	257,384		
\$ Mega Parts Inc.	A --	885	67,400,092	263,197	0	263,197		
- National Warehousing Corp	A --	1,942	67,400,092	45,397	0	45,397		
TOTAL (Inbound)		5,821	101,100,238	669,337	0	669,337		
<b>Pasadena CA</b>								
Oregon	A --	1,008	3,700,758	279,777				
Montana	A --	1,226	944,632	86,859				
Wyoming	A --	1,084	515,004	41,870				
Idaho	A --	813	1,466,465	89,418				
Utah	A --	659	2,550,063	226,037				
Arizona	A --	431	6,166,318	190,326				
New Mexico	A --	857	1,954,599	125,632				
Nevada	A --	269	2,495,529	50,347				
Washington	A --	1,251	6,395,798	552,117				
California	A --	426	36,857,549	1,164,819				
Colorado	A --	1,004	4,753,377	357,929				
TOTAL (Outbound)		8,928	67,400,092	3,074,131	2,535,027	5,609,158		
<b>SITE LOCATION ~ McKenzie TN</b>								
US Supply Inc.	A --	189	69,227,445	212,321	0	212,321		
- CFS Intermodal Facility	A --	769	69,227,445	176,357	0	176,357		
\$ Mega Parts Inc.	A --	825	139,857,893	515,744	0	515,744		
TOTAL (Inbound)		1,783	207,582,333	904,422	0	904,422		
<b>McKenzie TN</b>								
Georgia	A --	347	9,361,941	243,697				
Illinois	A --	490	12,831,970	471,376				
South Carolina	A --	647	4,321,249	209,589				
Florida	A --	1,062	18,089,888	1,440,860				
Alabama	A --	176	4,599,030	60,707				
Tennessee	A --	206	6,038,005	49,098				
MISSISSIPPI	A --	346	2,910,540	75,529				
<b>Summary Totals:</b>								
		34,942	296,861,403	12,873,414	5,750,865	18,624,279		

Mag: Current Solution is \$ 18,624,279 ... (Optimum Solution Range is \$ 18,624,279 to \$ 18,624,279 at a 100% confidence level)

New Optimize Add Maps Analytics Details All Sites

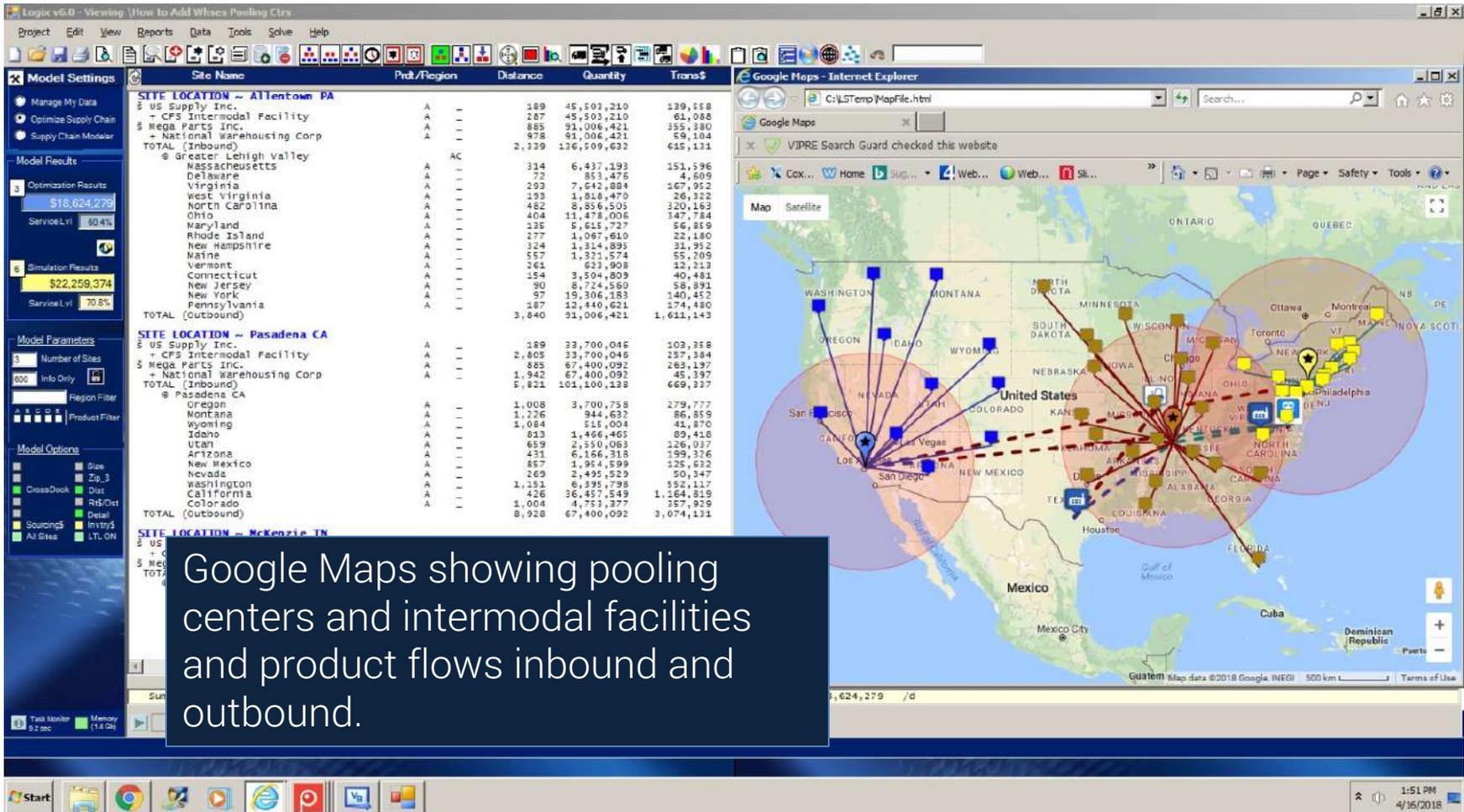
Task Monitor Memory (14 GB) 5.2 sec

Start [Icons] 1:51 PM 4/16/2018

Cross Dock Optimization determines if pooling, intermodal and/or cross docking can reduce cost.

In this example, suppliers pool shipments at National Warehousing Corp for distribution to DCs and customers nationwide. The CFS Intermodal facility is also used to reduce cost.

# Pooling and Cross Dock Optimization



Google Maps showing pooling centers and intermodal facilities and product flows inbound and outbound.

# Analytics Monitor and Metrics

The Analytics Monitor compares any two solutions (eg. Baseline vs Optimum) including quantities, costs, service and even CO2 and GHG emissions.

The screenshot displays the Logix v6.0 Analytics Monitor interface, which compares two solutions: the Optimum Solution and the Simulation Solution. The interface is divided into several sections:

- Data Set Components:** Lists various components like Customer Sites, Distribution Centers, and Suppliers for both solutions.
- Constraint Violations:** Shows metrics such as Distance / SvcLvl% and Capacity (Inb/Outb) for both solutions.
- Solution Comparison:** Compares Service Level, Savings %, CO2, and Tons between the two solutions.
- Delivery Time Charts:** Pie charts showing the distribution of delivery times (< 1 day, 1-2 days, 2-3 days, > 3 days) for both solutions.
- Cost, Service, and CO2 Tables:** Tables comparing Product, Service, and CO2 metrics for both solutions.
- AWD and Tm Tables:** Tables comparing AWD (Average Weighted Distance) and Tm (Total Lead Time) for both solutions.

At the bottom of the interface, there are buttons for 'New', 'Optimize', 'Add', 'Maps', 'Close', 'Details', and 'Alt. Sites'. The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the date and time (1:39 PM, 4/16/2018).

# Analytics, Charts and Metrics

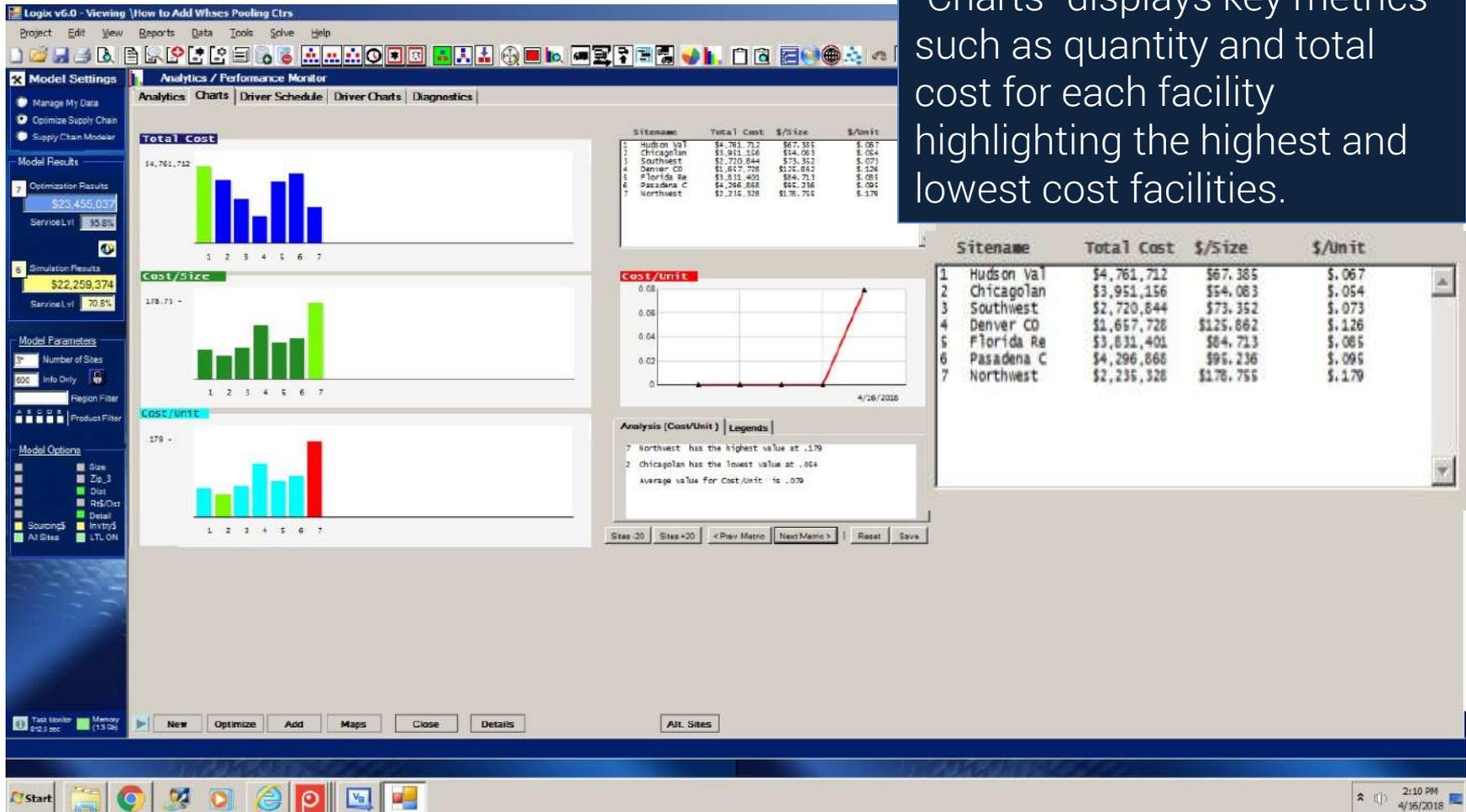
In this example, the Analytics Monitor compares lead times and overall service results tracking delivery times for each customer.

The screenshot displays the Logix v6.0 Analytics / Performance Monitor interface. The main window is divided into several sections:

- Data Set Components:** Lists various components like Customer Sites (48), Distribution Centers (16), etc.
- Optimum Solution:** Shows metrics for the Optimum solution, including Distance / SvcLvl% (2, 95.83%, 600mi) and Capacity (Inb/Outb).
- Simulation Solution:** Shows metrics for the Simulation solution, including Distance / SvcLvl% (14, 70.83%, 600mi) and Capacity (Inb/Outb).
- Constraint Violations:** Two panels showing constraint violations for each solution. The Optimum solution has 2 violations, while the Simulation solution has 14.
- Optimum Solution Delivery Time:** A pie chart showing delivery time distribution: < 1 day (99%), 1-2 days (1%), 2-3 days (0%), and > 3 days (0%).
- Simulation Solution Delivery Time:** A pie chart showing delivery time distribution: < 1 day (81%), 1-2 days (14%), 2-3 days (4%), and > 3 days (0%).

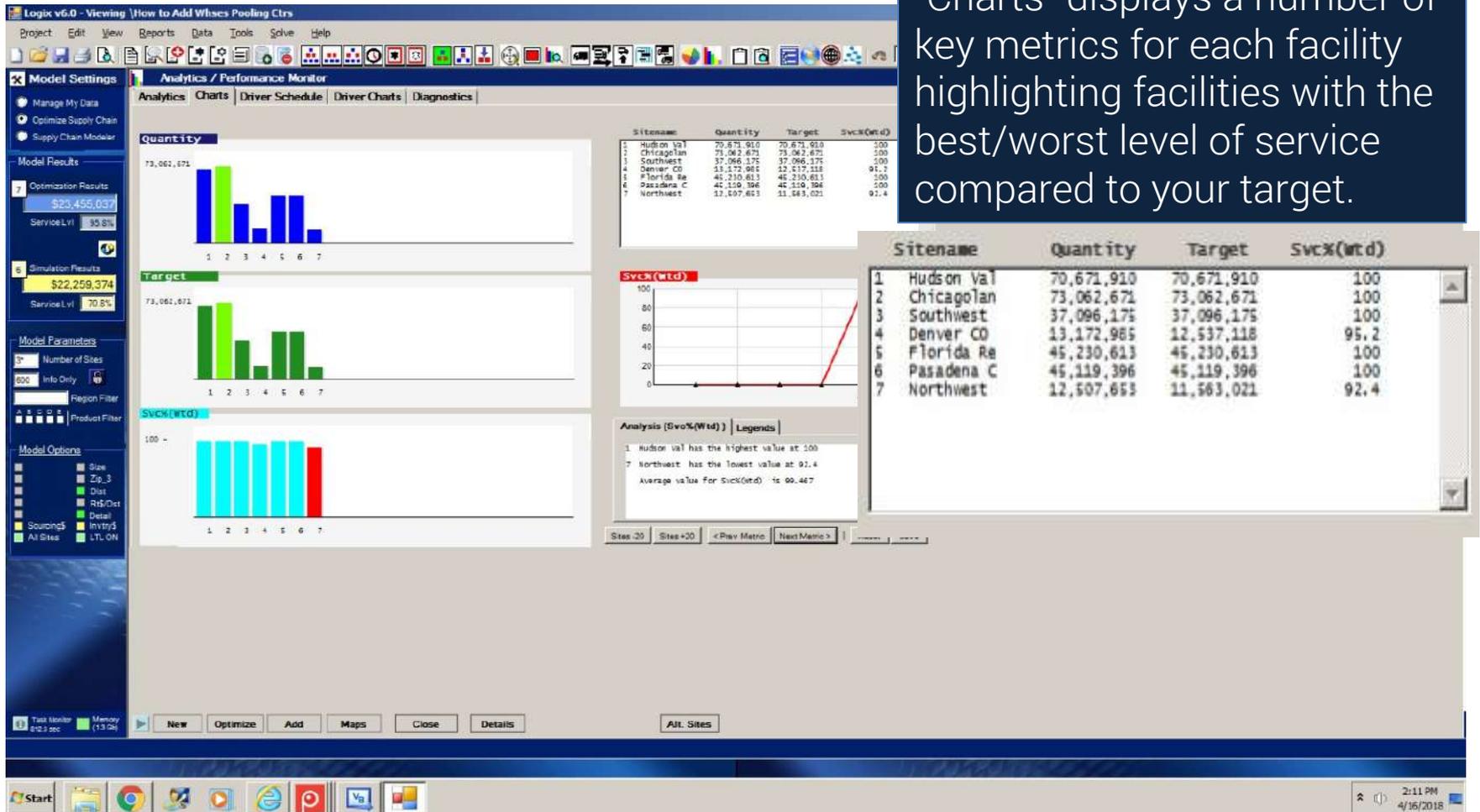
At the bottom, there are buttons for 'New', 'Optimize', 'Add', 'Maps', 'Close', 'Details', and 'Alt. Sites'. The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the date and time (2:09 PM, 4/16/2018).

# Analytics, Charts and Metrics



“Charts” displays key metrics such as quantity and total cost for each facility highlighting the highest and lowest cost facilities.

# Analytics, Charts and Metrics



# Summary Level Reports

The Clipboard feature lets you view and save a summary of your results.

The screenshot displays the Logic v6.0 interface. The main window shows an 'OPTIMIZATION SUMMARY REPORT' for 4/16/2018. A clipboard icon is highlighted in the top toolbar. The report lists various site locations and their associated costs and quantities.

Site Name	Prdt/Region	Distance	Quantity	Trans\$	Wha/Prdt\$	Total\$
<b>SITE LOCATION -- Coxsackie NY</b>						
\$ US Supply Inc.	A --	189	35,335,955	108,375	0	108,375
+ CFS Intermodal Facility	A --	466	35,335,955	63,251	0	63,251
\$ Mega Parts Inc.	A --	1,923	70,671,910	496,046	0	496,046
TOTAL (Inbound)		2,578	106,007,865	667,673	0	667,673
<b>Summary Totals:</b>						
		37,661	296,861,403	9,704,507	13,750,530	23,455,037 /d

# Detail Level Reports

The Clipboard feature also lets you view and save details of your results.

The screenshot displays the Logistix v6.0 interface with an optimization detail report open. The report is titled 'OPTIMIZATION DETAIL REPORT' and dated '4/16/2018'. It shows results for three site locations: Coxsackie NY, Joliet IL, and Houston TX. Each location's report includes a table with columns for Prdt/Region, Distance, Quantity, Trans\$, whs/Prdt\$, and Totals. A text box on the right side of the screenshot highlights the Clipboard feature, stating: 'The Clipboard feature also lets you view and save details of your results.'

Site Name	Prdt/Region	Distance	Quantity	Trans\$	Whs/Prdt\$	Totals\$
<b>SITE LOCATION - Coxsackie NY</b>						
US Supply Inc.	A --	189	35,335,955	108,375	0	108,375
+ CFS Intermodal Facility	A --	466	35,335,955	63,251	0	63,251
Mega Parts Inc.	A --	1,923	70,671,910	496,046	0	496,046
<b>TOTAL (Inbound)</b>		<b>2,578</b>	<b>106,007,865</b>	<b>667,673</b>	<b>0</b>	<b>667,673</b>
<b>SITE LOCATION - Joliet IL</b>						
US Supply Inc.	A --	189	36,531,336	112,042	1	112,042
+ CFS Intermodal Facility	A --	780	36,531,336	594,068	1	594,068
Mega Parts Inc.	A --	1,161	73,062,571	1345,806	1	1345,806
<b>TOTAL (Inbound)</b>		<b>2,130</b>	<b>109,594,096</b>	<b>551,915</b>	<b>3</b>	<b>551,915</b>
<b>SITE LOCATION - Houston TX</b>						
US Supply Inc.	A --	189	18,548,088	556,887	1	556,887
+ CFS Intermodal Facility	A --	1,424	18,548,088	378,087	1	378,087
Mega Parts Inc.	A --	180	37,096,176	166,402	1	166,402
<b>TOTAL (Inbound)</b>		<b>1,803</b>	<b>55,644,262</b>	<b>201,377</b>	<b>3</b>	<b>201,377</b>

# Demo vs Logix and ProLogix Versions

Logix Demo Version provides many of the same features of the Professional Version but with a few limitations.

Download the Free Demo Version Today and see why Logix is the choice of Logistics Professionals worldwide.

## Demo Version vs ProLogix

- o **Maximum Distribution Centers:** 16 vs 250 Logix, ProLogix 500
- o **Maximum Customers/Demand:** 100 vs 2500 Logix, ProLogix unlimited
- o **Maximum Product Categories:** 1 vs 25
- o **Maximum Products/SKUs:** 5 vs 2500 Logix, ProLogix unlimited
- o **Maximum Freight Rates:** 5 vs 2500
  
- o **3-Digit ZipCode Geocoding vs 5-Digit and International Geocoding**
- o **Single Service Radius vs DC Specific Service Radius by Product Category**
- o **General Freight Rates (incl. Regional, Zip, Mileage, Land) vs LTL Freight Rates**
- o **No Excel Data Import - Demo Data and Screen-Based Data Entry/Edit**
- o **No Simulation and Optimization Solution Export**
- o **No RLS (Reverse Location Selection) Modeling**
- o **No MicroSoft MapPoint Interface (Google Maps are standard)**



# Contact Logistix Solutions

Schedule a Live Demo Presentation or Download the Free Demo Version of Logix

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