

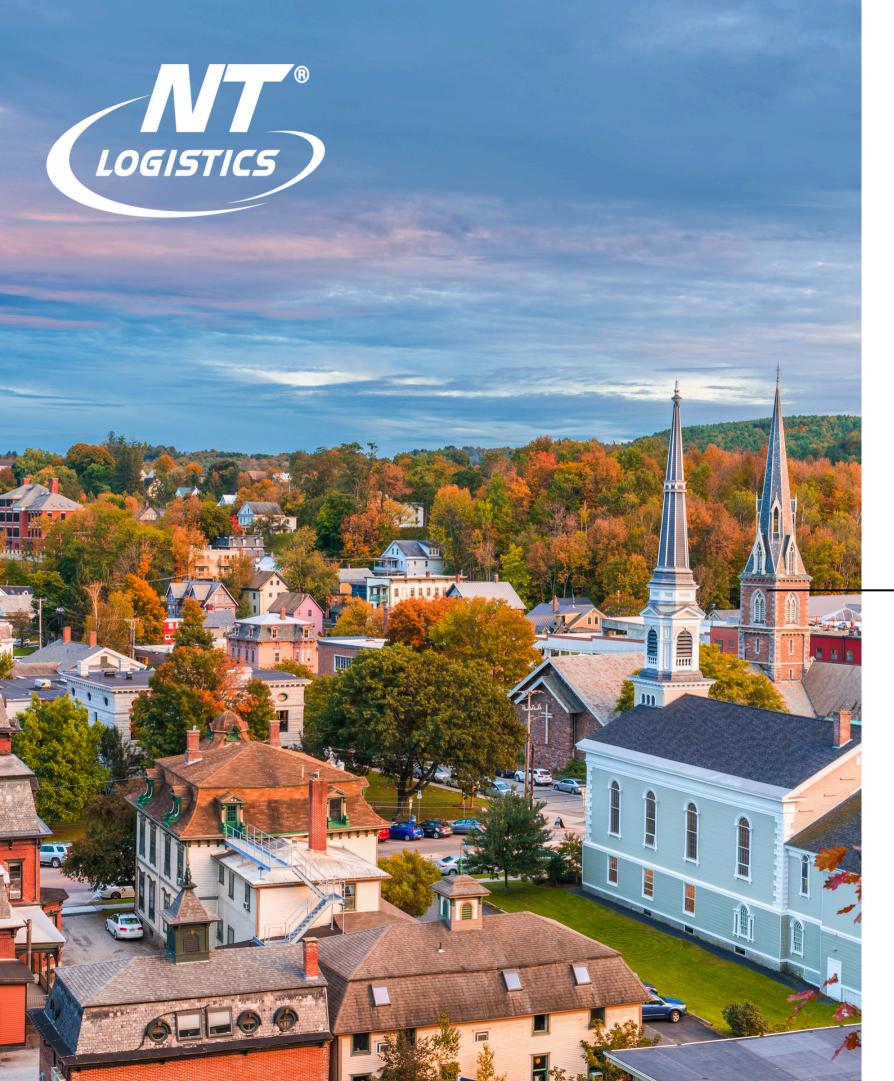
Projecting Demand and Costing a New Market

REFRIGERATED SHIPMENTS TO NORTHEAST US FROM MANUFACTURING FACILITY IN HALIFAX, NORTH CAROLINA





April 2024

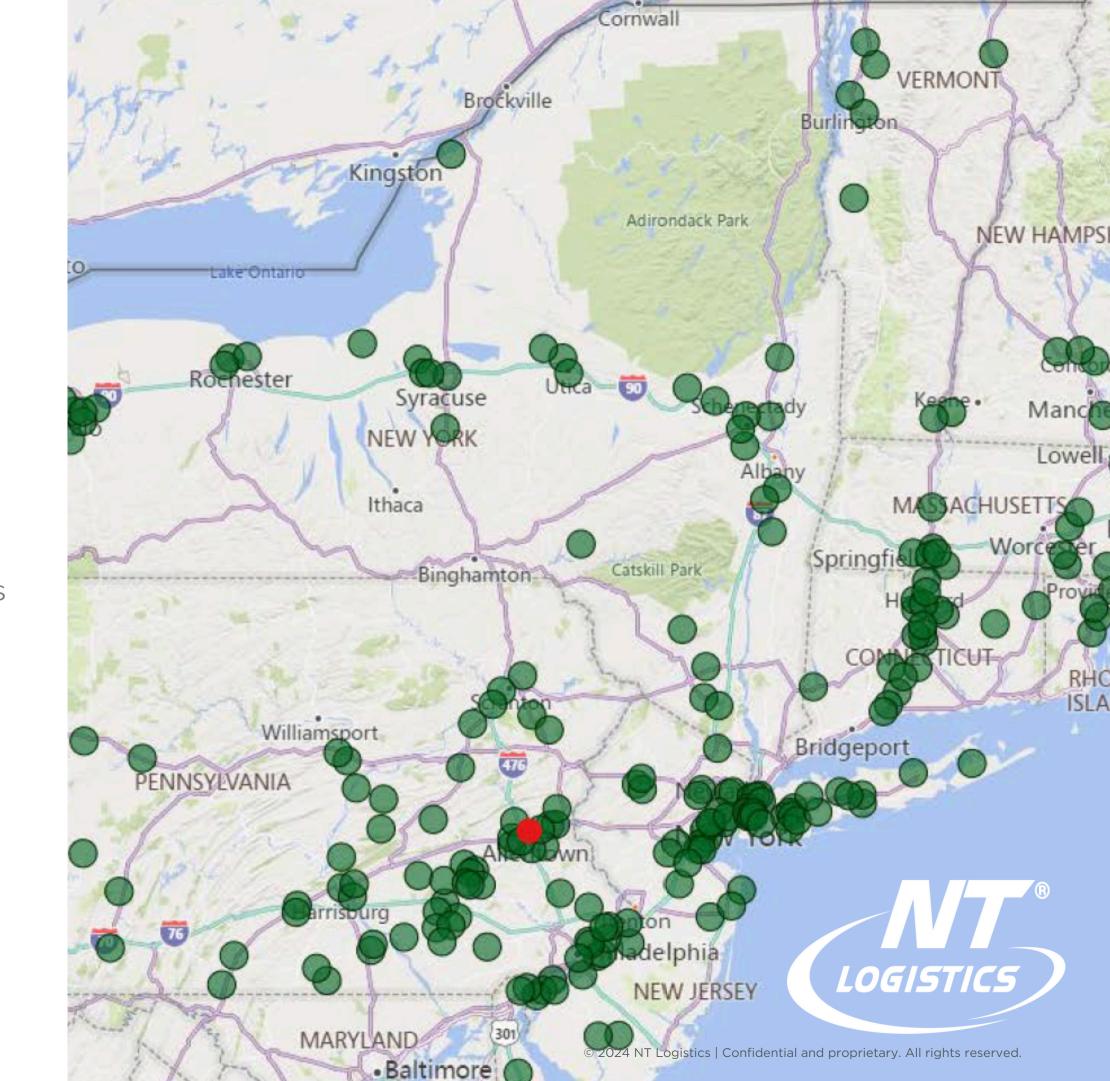


Distribution Opportunity in the NE Region

We identified 700 unique locations in the Food Service/Grocery Retail Space that NT Logistics had serviced over the previous five years. We refined the list down to 260 likely locations within 10 states.

Projection Location Demand

The map to the right reflects these locations (green circles) along with a prospective Regional Distribution Center location (red circle). We believe this to be representative of potential demand by location for modeling purposes.



Modeling Demand

We modeled four different shipment sizes, (1,2,3 and 4 pallets at 1500#/pallet), coming from an origin in the NE (Geographic Centroid) that will serve as a Regional Distribution Center (RDC) to these locations. We selected Allentown, PA as it is central to the major population centers along the I-95 corridor and within 100 miles of New York City. We modeled this RDC as supplied from a facility in Halifax, NC, based on a week's worth of activity.

| 1 Pallet | Shipment Count | Pallet Count | Weight | Base | Fuel | Total Cost | Cost / Lb |
|--------------|----------------|--------------|---------|----------|----------|------------|-----------|
| RDS Supply | 9 | 260 | 390,000 | \$8,247 | \$2,103 | \$10,350 | \$0.0265 |
| LTL Outbound | 260 | 260 | 390,000 | \$84,697 | \$27,950 | \$112,647 | \$0.2888 |
| | 269 | 260 | 390,000 | \$92,944 | \$30,053 | \$122,997 | \$0.3154 |

| 2 Pallets | Shipment Count | Pallet Count | Weight | Base | Fuel | Total Cost | Cost / Lb |
|--------------|----------------|--------------|---------|-----------|----------|------------|-----------|
| RDS Supply | 18 | 520 | 780,000 | \$16,494 | \$4,206 | \$20,700 | \$0.0265 |
| LTL Outbound | 260 | 520 | 780,000 | \$107,763 | \$35,562 | \$143,425 | \$0.1837 |
| | 278 | 520 | 780,000 | \$124,258 | \$39,767 | \$164,025 | \$0.2103 |

| 3 Pallets | Shipment Count | Pallet Count | Weight | Base | Fuel | Total Cost | Cost / Lb |
|--------------|----------------|--------------|-----------|-----------|----------|------------|-----------|
| RDS Supply | 26 | 780 | 1,170,000 | \$23,825 | \$6,075 | \$29,900 | \$0.0256 |
| LTL Outbound | 260 | 780 | 1,170,000 | \$84,697 | \$53,343 | \$214,987 | \$0.1837 |
| | 286 | 780 | 1,170,000 | \$185,470 | \$59,417 | \$244,887 | \$0.2093 |

| 4 Pallets | Shipment Count | Pallet Count | Weight | Base | Fuel | Total Cost | Cost / Lb |
|--------------|----------------|--------------|-----------|-----------|----------|------------|-----------|
| RDS Supply | 35 | 1040 | 1,560,000 | \$32,073 | \$8,177 | \$40,250 | \$0.0258 |
| LTL Outbound | 260 | 1040 | 1,560,000 | \$194,133 | \$64,064 | \$258,197 | \$0.1655 |
| | 295 | 1040 | 1,560,000 | \$226,206 | \$72,241 | \$298,447 | \$0.1913 |

Cost with Modeled Demand

If each of the 260 locations receives x pallet(s) per week, the results are as follows. The cost to resupply from NC to PA would be approximately \$0.026/lb. The pallet-based model represents a cumulative summary of the 260 Food Service/Grocery Retail locations, each having a specific cost profile for pricing purposes.



1 Pallet Per Week

Total Landed Cost from

RDC to Destination

\$0.2888 / lb

2 Pallets Per Week

Total Landed Cost from

RDC to Destination

\$0.1837 / lb

3 Pallets Per Week

Total Landed Cost from

RDC to Destination

\$0.1837 / lb

4 Pallets Per Week

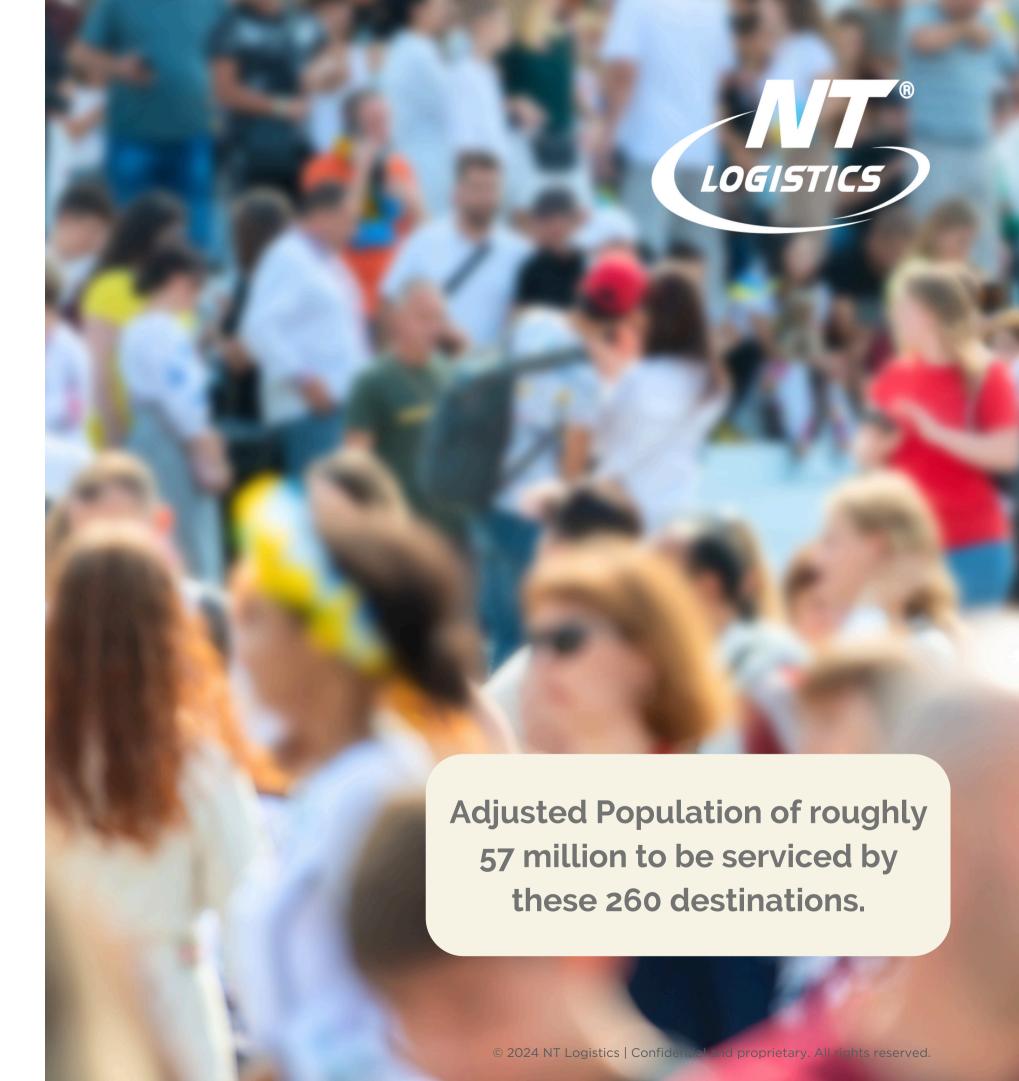
Total Landed Cost from

RDC to Destination

\$0.1655 / lb

Population Derived Volume

Additionally, we created a blended model to factor in variable demand to the 260 destinations. Population demographics within a 50-mile radius of each destination were used as the basis for this approach. To avoid duplication of demand in neighboring zip codes, if a particular zip code's population was used more than once, that population was divided by the instances. This produced an Adjusted Population of roughly 57 million to be serviced by these 260 destinations.



Adjusted Population

The Adjusted Population, in conjunction with an estimated demand for our customer's product at .75lbs/person annually produced the following results.

Annual Demand

42.7 million lbs of product



Weekly Demand

822,000 lbs of product



Low / High

Low of 829 lbs, 1 pallet

High of 7.705lbs, 6 pallets

modeled on a weekly basis



Cost with Demand Modeled at Population Centric Consumption

Includes resupply but not warehousing cost

| Modeled Demand | Shipment Count | Pallet Count | Weight | Base | Fuel | Total Cost | Cost / Lb |
|----------------|----------------|--------------|---------|-----------|----------|-------------------|-----------|
| RDS Supply | 24 | 697 | 822.063 | \$21,993 | \$5,607 | \$21,850 | \$0.0266 |
| LTL Outbound | 260 | 697 | 822,063 | \$141,880 | \$46,821 | \$188,701 | \$0.2295 |
| | 284 | 697 | 822,063 | \$163,873 | \$52,428 | \$210,551 | \$0.2561 |