

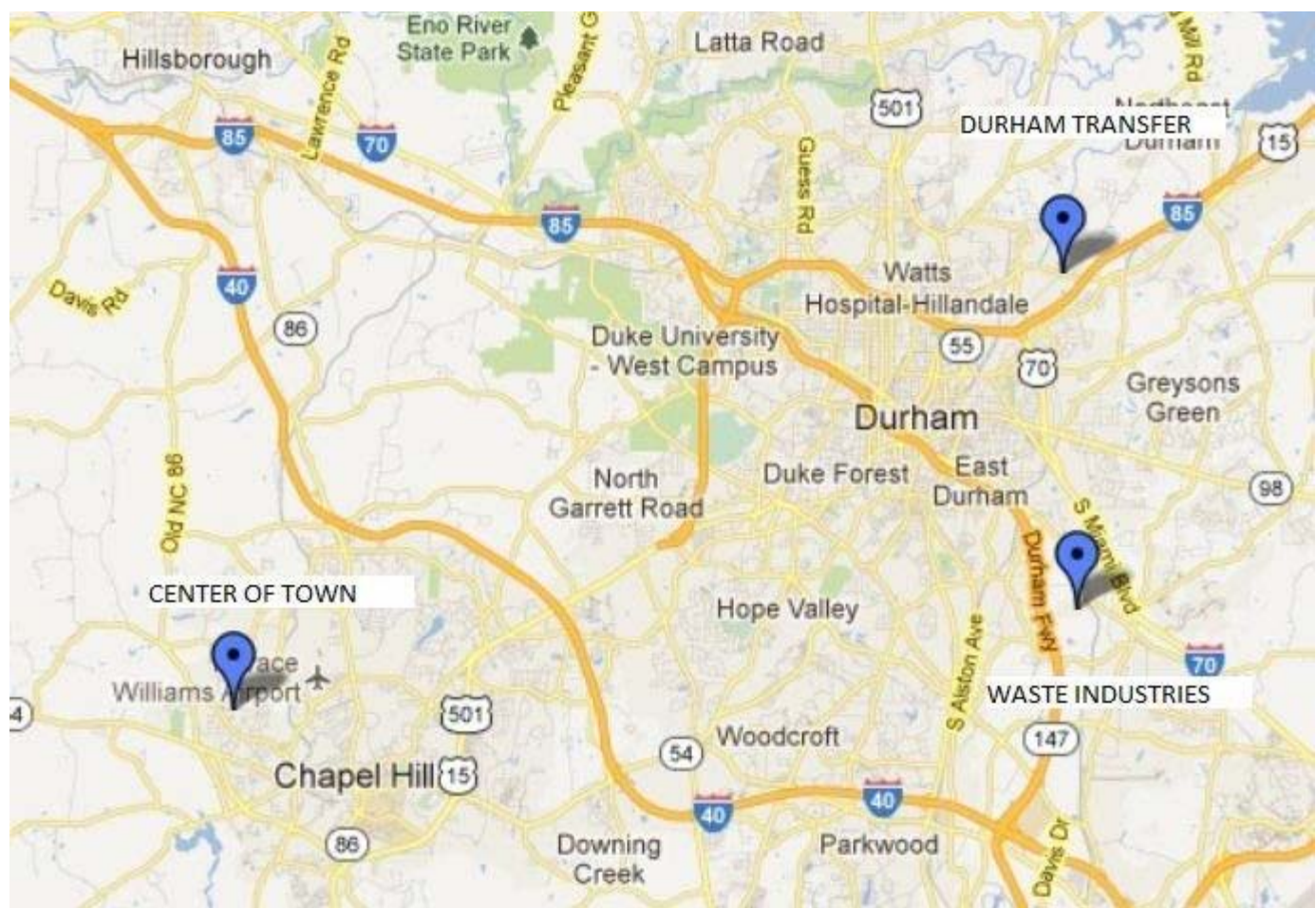
ATTACHMENT A

A RESOLUTION ACCEPTING THE TOWN'S SOLID WASTE OPERATIONS AND
AUTHORIZING THE TOWN MANAGER TO EXECUTE AN AGREEMENT FOR A SOLID
WASTE TRANSFER STATION

Section 1. The Board of Aldermen hereby accepts the town staff report updating the Board of Aldermen about proposed changes to the Town's solid waste operations in response to the closing of the Orange County Landfill on June 30, 2013.

Section 2. The Board of Aldermen hereby authorizes the Town Manager to negotiate and execute an agreement with _____ (Waste Industries OR the City of Durham) for use of a Solid Waste Transfer Station; and execute amendments to or modifications of the contract, if necessary or appropriate, provided that such amendments or modifications are consistent with the general intent and purpose for which the contract is made.

Section 3. This resolution shall become effective upon adoption.



Solid Waste Transfer Station
Greenhouse Gas Emissions

| <u>Transfer Station</u> | <u>Distance from Center of Town (miles)</u> | <u>Carrboro Fuel Used</u> | <u>Landfill Site</u> | <u>Distance from Transfer Station</u> | <u>Hauler Capacity (tons)</u> | <u># Trips</u> | <u>Hauler Fuel Used</u> | <u>Total Fuel Used</u> | <u>Total GHG Emissions</u> | <u>Increase Over Current Emissions</u> | | <u>%Increase in Greenhouse Gas Emissions</u> |
|-------------------------|---|---------------------------|----------------------------------|---------------------------------------|-------------------------------|----------------|-------------------------|------------------------|----------------------------|--|------------------------------|--|
| Waste Industries | 21.0 | 15,946.7 | 7434 Roseboro Hwy, Roseboro, NC | 93.0 | 24.0 | 290.9 | 4,508.6 | 20,455.3 | 175.3 | 39.34 | | 29% |
| City of Durham | 21.8 | 16,554.2 | Mt. Gilead, NC | 118.0 | 26.5 | 263.4 | 5,180.9 | 21,735.1 | 187.1 | 51.13 | <u>Blend of Durham Sites</u> | 37% |
| | | | County Rd. 733 Lawrenceville, VA | 86.3 | 26.5 | 263.4 | 3,789.1 | 20,343.3 | 172.9 | 36.93 | 49.71 | |

| <u>Assumptions</u> | |
|------------------------------------|---|
| Current Fuel Use | 16766.00 |
| Current MTCDE | 135.97 (Gallons used * .00811) |
| Current Truck MPG | 2.1913 |
| Trips per year to Transfer Station | 832.00 |
| Fuel Used | Distance from CBO * ((16*2)*52)/2.1913 |
| Current Tonnage | 6981.00 |
| # Trips | 6981/Hauler Capacity |
| Hauler Fuel Used | # trips/6mpg |
| MTCDE | (CBO Fuel used * 0.00811) + (Hauler Fuel Used*0.0102) |
| MTCDE Conversion (B20) | 1 gal = .00811 MTCDE |
| MTCDE Conversion (Diesel) | 1 gal = .0102 MTCDE |
| MTCDE | Metric Tons of Carbon Dioxide Equivalent |
| Center of Town | Intersection of Pathway Dr. and Sudbury Ln. |