

Moorestown Tree Inventory Results

- **Population**

- **Total Population Trees in Right of Way – 8,267**

- District 1 – 1,562
 - District 2 – 777
 - District 3 – 1,740
 - District 4 – 2,377
 - Parks & Schools – 1,811

- **New Planting Sites Identified - 456**

- District 1 – 100
 - District 2 – 43
 - District 3 – 174
 - District 4 – 139

- **Species Distribution percent of total**

- Red Maple 13.7%
- Pin Oak 6.9%
- Sweetgum 5.3%
- Sugar Maple 4.6%
- London Plane 4.6%
- Zelkova 3.8%
- Linden 3.7%
- Maple 3.7%
- Norway Maple 3.5%
- Red Oak 2.7%
- Other 47.6%

- **Size Distribution by Diameter at Breast Height (DBH) (Tree diameter at 4 ½ ft)**

Class	DBH	Number	Percent
1	0 – 3"	902	11%
2	3" – 6"	1276	15%
3	6" – 12"	1707	21%
4	12" – 18"	1667	20%
5	18" – 24"	1220	15%
6	24" – 30"	860	10%
7	30" – 36"	421	5%
8	36" – 42"	148	2%
9	>42"	66	1%

Moorestown Tree Inventory Results

- **Benefits – Annual total \$1,100,000, Avg per tree \$133**
 - Energy reduction for cooling and heating
 - Electricity – 833 MWh, Benefit - \$136,000
 - Natural Gas – 28,915 Therms, Benefit - \$20,000
 - Stormwater intercepted
 - Total – 30 Million gals, benefit- \$297,000
 - Average per Tree 3,628 gals, benefit - \$36
 - Reduce atmospheric CO₂
 - 1905 Tons, benefit - \$29,000
 - Removal or avoidance of air pollutants less emissions
 - Removed or Avoided: 10,000 lbs, benefit - \$39,000
 - Emissions: 9800 lbs, cost \$61,000
 - Net cost \$22,000
 - Property value increases, aesthetics, \$640,000, \$77/tree

- **Annual Net Benefit to Township from Street Trees:**
 - **Annual Total Benefit** **\$1,100,000**
 - **Shade Tree Dept 2011 Budget** **\$ 260,000**
 - **Net annual benefit (benefits minus costs)** **\$ 840,000**
 - **Average net benefit per tree is** **\$101.60**