

Moorestown Tree Inventory Results

Street Trees within Township Right of Way

- **Population**
 - **Total Population Trees in Right of Way – 6,216**
 - District 1 – 1,503
 - District 2 – 731
 - District 3 – 1,671
 - District 4 – 2,311
 - **New Planting Sites Identified - 456**
 - District 1 – 100
 - District 2 – 43
 - District 3 – 174
 - District 4 – 139

- **Species Distribution percent of total**
 - Red Maple 15.4%
 - Pin Oak 8.0%
 - London Plane 5.1%
 - Sugar Maple 4.9%
 - Maple Species 4.8%
 - Linden 4.5%
 - Zelkova 4.2%
 - Norway Maple 4.1%
 - Silver Maple 2.6%
 - Red Oak 2.5%
 - Other 44.0%

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

Class	DBH	Number	Percent
1	0 – 3”	504	8%
2	3” – 6”	1044	17%
3	6” – 12”	1323	21%
4	12” – 18”	1248	20%
5	18” – 24”	939	15%
6	24” – 30”	674	11%
7	30” – 36”	342	6%
8	36” – 42”	104	2%
9	>42”	38	1%

- **Benefits – Annual total \$850,000, Avg per tree \$137**
 - Energy reduction for cooling and heating
 - Electricity – 642 MWh, Benefit - \$105,000
 - Natural Gas – 22,430 Therms, Benefit - \$16,000
 - Stormwater intercepted
 - Total – 23 Million gals, benefit- \$230,000
 - Average per Tree 3,725 gals, benefit - \$37
 - Reduce atmospheric CO₂
 - 1500 Tons, benefit - \$22,000
 - Removal or avoidance of air pollutants
 - 17,000 lbs, benefit - \$17,000
 - Property value increases, aesthetics, \$500,000, \$80/tree
- **Annual Net Benefit to Township from Street Trees:**
 - **Annual Total Benefit** **\$850,000**
 - **Shade Tree Dept 2011 Budget** **\$250,000**
 - **Net annual benefit (benefits minus costs)** **\$600,000**
 - **Average net benefit per tree is** **\$96.50**