Total Projected Benefits (2013-2038) - Over the next 25 years, based on forecasted tree growth, i-Tree Design projects total benefits worth $10,521:

- $7,881 of stormwater runoff savings by intercepting 290,815 gallons of rainfall
- $349 of air quality improvement savings by absorbing and intercepting pollutants such as ozone, sulfur dioxide, nitrogen dioxide, and particulate matter; reducing energy production needs; and lowering air temperature
- $1,264 of savings by reducing 79,703 lbs. of atmospheric carbon dioxide through CO₂ sequestration and decreased energy production needs and emissions
- $595 of summer energy savings by direct shading and air cooling effect through evapotranspiration
- $437 of winter energy savings by slowing down winds and reducing home heat loss

Current Year - For 2013, i-Tree Design estimates annual tree benefits of $309.69:

- $225.11 of stormwater runoff savings by intercepting 8,307 gallons of rainfall
- $10.22 of air quality improvement savings
- $39.20 of carbon dioxide reduction savings
- $23.47 of summer energy savings
- $12.05 of winter energy savings
Future Year - In the year 2038, based on forecasted tree growth, i-Tree Design projects annual benefits of $548.37:

- $417.33 of stormwater runoff savings by intercepting 15,400 gallons of rainfall
- $18.47 of air quality improvement savings
- $64.04 of carbon dioxide reduction savings
- $24.33 of summer energy savings
- $24.30 of winter energy savings

Total Benefits to Date - Over the life of the tree(s) so far, i-Tree Design calculates total benefits worth $6,388:

- $4,532 of stormwater runoff savings by intercepting 167,244 gallons of rainfall
- $284 of air quality improvement savings
- $922 of carbon dioxide reduction savings
- $1,017 of summer energy savings
- $-350 of winter energy savings
## Individual Tree Benefits

<table>
<thead>
<tr>
<th>Tree</th>
<th>DBH (in)</th>
<th>Condition</th>
<th>Location to Structure</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Current Year (2013)</td>
</tr>
<tr>
<td>1. Sugar maple</td>
<td>18</td>
<td>Excellent</td>
<td>Southeast (17 ft)</td>
<td>$70.60</td>
</tr>
<tr>
<td>2. Silver maple</td>
<td>20</td>
<td>Good</td>
<td>North (15 ft)</td>
<td>$108.61</td>
</tr>
<tr>
<td>3. Norway maple</td>
<td>15</td>
<td>Good</td>
<td>Northeast (25 ft)</td>
<td>$54.29</td>
</tr>
<tr>
<td>4. Apple</td>
<td>5</td>
<td>Good</td>
<td>South (50 ft)</td>
<td>$3.11</td>
</tr>
<tr>
<td>5. Black walnut</td>
<td>20</td>
<td>Good</td>
<td>Southwest (35 ft)</td>
<td>$73.08</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$309.69</strong></td>
</tr>
</tbody>
</table>

DBH: "diameter at breast height" is the standard measurement of tree trunk width at 4.5 feet (1.5 meters) above the ground.