Why do we care about trees?

- Wildlife Habitat
- Urban Heat Island
- Social Cohesion
- Stormwater Runoff
- Air Quality
What is our tree canopy worth?

- Carbon Storage: $4,278,690
- Air Pollution Removal: $234,072
- Avoided Runoff: $76,473

Source: iTree
58% of Takoma Park covered by tree canopy 2018
Tree Canopy % Comparison

2009: 59%
2014: 62%
2018: 58%

* Based on land area (excludes water)
LIDAR Image – Tree Canopy & Land Cover
Tree Canopy Distribution by Height
Height Distribution by # of Trees
Canopy Distribution by Patch Class
Canopy Patch Class by Acres
Land Use Classification and Distribution

Legend:
- Commercial
- Deciduous forest
- High-density residential
- Industrial
- Institutional
- Medium-density residential
- Open urban land
Tree Canopy Metrics Summarized By Land Use
Tree Canopy Metrics Summarized By Ownership Type

- **Not Suitable**
- **Possible Impervious Tree Canopy Area (acres)**
- **Possible Veg Tree Canopy Area (acres)**
- **Existing Tree Canopy Area (acres)**
# Existing Tree Canopy By Ownership Type

<table>
<thead>
<tr>
<th>Ownership Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private</td>
<td>74%</td>
</tr>
<tr>
<td>ROW</td>
<td>13%</td>
</tr>
<tr>
<td>MNCPPC</td>
<td>10%</td>
</tr>
<tr>
<td>City</td>
<td>2%</td>
</tr>
</tbody>
</table>
Existing Tree Canopy by Ward

WARD 1: 60%
WARD 2: 68%
WARD 3: 58%
WARD 4: 52%
WARD 5: 60%
WARD 6: 44%
Possible Vegetated Tree Canopy by Ward

WARD 1 16%
WARD 2 13%
WARD 3 16%
WARD 4 19%
WARD 5 11%
WARD 6 14%
Tree Canopy Metrics Summarized By Ward

- Not Suitable
- Possible Impervious Tree Canopy Area (acres)
- Possible Veg Tree Canopy Area (acres)
- Existing Tree Canopy Area (acres)
LiDAR – Comparison of 2018 to 2014
Change In Measured Tree Canopy Citywide - 2014 to 2018
Change In Measured Tree Canopy By Land Use from 2014 to 2018

- Commercial
- Deciduous forest
- High-density residential
- Industrial
- Institutional
- Medium-density residential
- Open urban land
Change In Measured Tree Canopy By Land Ownership from 2014 to 2018
General Conclusions

Takoma Park has a robust urban forest
The percent tree canopy is relatively high for an urban area and on par with similar communities (Greenbelt – 63%).

Preserve the current tree canopy
It is less expensive and more efficient to retain the existing tree canopy.

Residents are the key
Residents control most of the existing tree canopy and have the most room to plant new trees.