

NASHVILLE URBAN TREE RECOVERY AND MANAGEMENT POST-WINTER STORM

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Background

URBAN TREE CANOPY COVER IN 2021:

56%

(PlanIT Geo, Inc, 2023)

STREET TREE VALUE:

\$9.85 M

(Nashville Metro Water Services, 2026)



Immediate Recovery



- Safety and initial damage assessment (Salisbury et al., 2023)
- Tree removal, debris clearing, and recycling (Schmitt-Harsh et al., 2020)
- Support tree recovery through soil protection, mulching, and adequate moisture management to reduce secondary stressors (Seidl et al., 2021)

Long-term Management

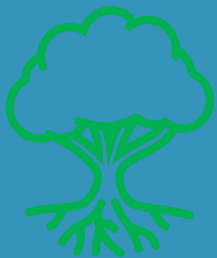
Right Tree for the Right Place

- Site assessment, planning, and design (Trowbridge and Bassuk, 2004)
- Tree and infrastructure conflict consideration (North et al., 2015)
- Select diverse and more storm-resilient tree species in replanting (Rogers et al., 2023; Salisbury et al., 2023)

Proactive Tree Care

- No tree "topping"
- Regular inspections, enhanced tree trimming, and expanding clearance zones (Hauer et al., 2006; Severance, 2019)
- Tree removal, risk assessment, and long-term monitoring (Li et al., 2022)

DID YOU KNOW?



- "Exploding trees"? No, trees don't explode when it gets cold, but they can get vertical "frost cracks" in the trunk (New York Times, 2026)
- Codominant stems are structurally weak prone to splitting under snow, ice, or wind (Koeser et al., 2023)
- While we cannot stop ice storms from occurring, we can take steps to reduce the impact on urban forests and the interface between forests, buildings, and infrastructure (Hauer et al., 2006)

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