TREE SURVEY MEMORANDUM

MILL POINT SOLAR I PROJECT

TOWN OF GLEN
MONTGOMERY COUNTY, NEW YORK

Prepared For:

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DECEMBER 2024

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1.0 INTRODUCTION

1.1 Project Description

ConnectGen Montgomery County LLC (ConnectGen), a wholly-owned subsidiary of Repsol Renewables, North America (Repsol), is proposing to construct the Mill Point Solar I Project (the Project), a 250-megawatt (MW) utility-scale photovoltaic (PV) solar facility located in the Town of Glen, Montgomery County, New York. This Project is subject to permitting under Article VIII of the New York State Public Service Law through the Office of Renewable Energy Siting and Electric Transmission (ORES).

1.2 Report Purpose

This document presents the results of a tree survey conducted by TRC on behalf of ConnectGen on November 22, 2024. The purpose of the tree survey was to gather information on the existing trees located in New York State Jurisdictional Wetland ID W-NSD-01. W-NSD-01 is a palustrine emergent (PEM) / palustrine scrub-shrub (PSS) wetland and is located between the proposed substation and point of interconnection (POI) switchyard and is within the right-of-way (ROW) of the proposed overhead generation tie (gen-tie) line for the Project (see Figure 1). The proposed gen-tie line is a 345 kilovolt (kV) transmission line that will connect the substation and the POI switchyard. This tree survey was performed to gather ground-truth information regarding individual tree details and coordinates within the wetland boundaries in order to identify and analyze potential impacts from selective tree cutting for the construction of the gen-tie line.

The Survey Area for the tree survey included the boundaries of W-NSD-01 underneath the proposed gen-tie line and within the proposed gen-tie line ROW (Survey Area), see Figure 1.

2.0 METHODOLOGY

TRC used a shapefile of the 1.5-acre Survey Area placed on the Fulcrum data collection application to navigate the Survey Area and record all trees which are considered to be saplings or trees (over 1.6 inches diameter at breast height (DBH)). A Juniper Systems Geode GNS3 submeter GPS receiver was used to gather exact tree locations. A Crescent-Lufkin 6-foot steel diameter measuring tape (Model no. W606PD) was used to record DBH measurements. Each tree location was recorded along with the following information:

- Species
- DBH

- Height
- Photo
- Condition
    - Such as good, fair, poor, dead, or dying.
- Health
    - Which is defined as the overall vitality and ability to function normally.
- Risk level
    - Which focused on whether the tree structure is at risk of storm or other damage.

A photo log and datasheets from the tree survey field effort are included in Attachment 1 and Attachment 2, respectively.

3.0 RESULTS

During the tree survey, TRC recorded 20 total trees in the Survey Area. Fourteen (14) of the trees were American elm (*Ulmus americana*), three (3) were black willow (*Salix nigra*), and three (3) were eastern white pine (*Pinus strobus*). One of the American elm trees (Tree ID 6) was found to be located slightly outside of the ROW and wetland but is included in this analysis. Figure 2 illustrates the locations of each tree within the Survey Area and Table 1 below details the characteristics of each tree. Aside from the 19 trees located within the wetland boundaries, general vegetation exhibited characteristics consistent of PEM and PSS wetlands in the area. Data sheets from the delineation of W-NSD-1 are provided as part of Appendix 14-1 of the 94-c Application for the Mill Point Solar I Project (ORES Permit Application No: 23-00034).

TABLE 1. TREE SURVEY RESULTS

Tree ID Number	Species	Scientific Name	Height (ft)	Size (DBH) (inches)	Condition	Health
1	American elm	*Ulmus americana*	15	4.2	Poor	Poor
2	Eastern white pine	*Pinus strobus*	9	1.6	Fair	Healthy
3	American elm	*Ulmus americana*	20	3.9	Fair	Declining
4	American elm	*Ulmus americana*	20	4.5	Fair	Healthy

Tree ID Number	Species	Scientific Name	Height (ft)	Size (DBH) (inches)	Condition	Health
5	American elm	*Ulmus americana*	25	4.6	Fair	Healthy
6*	American elm	*Ulmus americana*	15	3.7	Fair	Declining
7	American elm	*Ulmus americana*	15	3.5	Dying	Poor
8	Black willow	*Salix nigra*	15	9.2	Fair	Healthy
9	Eastern white pine	*Pinus strobus*	10	2.8	Fair	Healthy
10	Eastern white pine	*Pinus strobus*	13	3.9	Fair	Declining
11	American elm	*Ulmus americana*	20	4.6	Fair	Declining
12	American elm	*Ulmus americana*	30	9	Good	Healthy
13	Black willow	*Salix nigra*	15	4.1	Fair	Healthy
14	Black willow	*Salix nigra*	15	7.2	Fair	Healthy
15	American elm	*Ulmus americana*	30	8.8	Poor	Poor
16	American elm	*Ulmus americana*	15	4.1	Dying	Poor
17	American elm	*Ulmus americana*	25	7.4	Good	Healthy
18	American elm	*Ulmus americana*	20	4.4	Dead	Poor
19	American elm	*Ulmus americana*	16	3.7	Good	Healthy
20	American elm	*Ulmus americana*	20	4.8	Good	Healthy

*Tree is located just outside of both the wetland and the ROW.

4.0 CONCLUSION

Overall, 20 trees were identified within the Survey Area. The tree DBH measurements ranged from 1.6 to 9 inches and the approximate tree heights ranged from 9 to 30 feet. Tree conditions ranged from good and fair to poor and dying, and tree health ranged from healthy to declining and poor. All trees were found to have a low risk level since the structural integrity of each tree was in good condition.

FIGURES

SURVEY AREA

FACILITY SITE

FACILITY COMPONENT

POI SWITCHYARD

GENERATION TIE LINE

DELINEATED WETLAND - JURISDICTIONAL STATUS

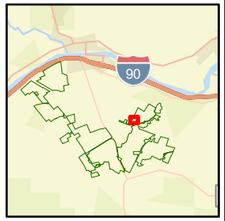
USACE/STATE

USACE

DELINEATED WETLAND BOUNDARY LINE

BASE MAP: ESRI WORLD IMAGERY BASEMAP - 3/30/2022.

DATA SOURCES: ESRI, TRC.



1:1,200

1" = 100'

0 50 100 FEET

PROJECT: **CONNECTGEN MONTGOMERY COUNTY LLC**
MILL POINT SOLAR I
TOWN OF GLEN, MONTGOMERY COUNTY, NY

TITLE:

SURVEY AREA

DRAWN BY:	G. STUDWELL	PROJ. NO.:	411360.1000.0000
CHECKED BY:	C. PEARCE		
APPROVED BY:	T. KONDAK		**FIGURE 1**
DATE:	DECEMBER 2024		

TRC

3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: Mill_Point_94C_Ex_14.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet; Map Rotation: 0
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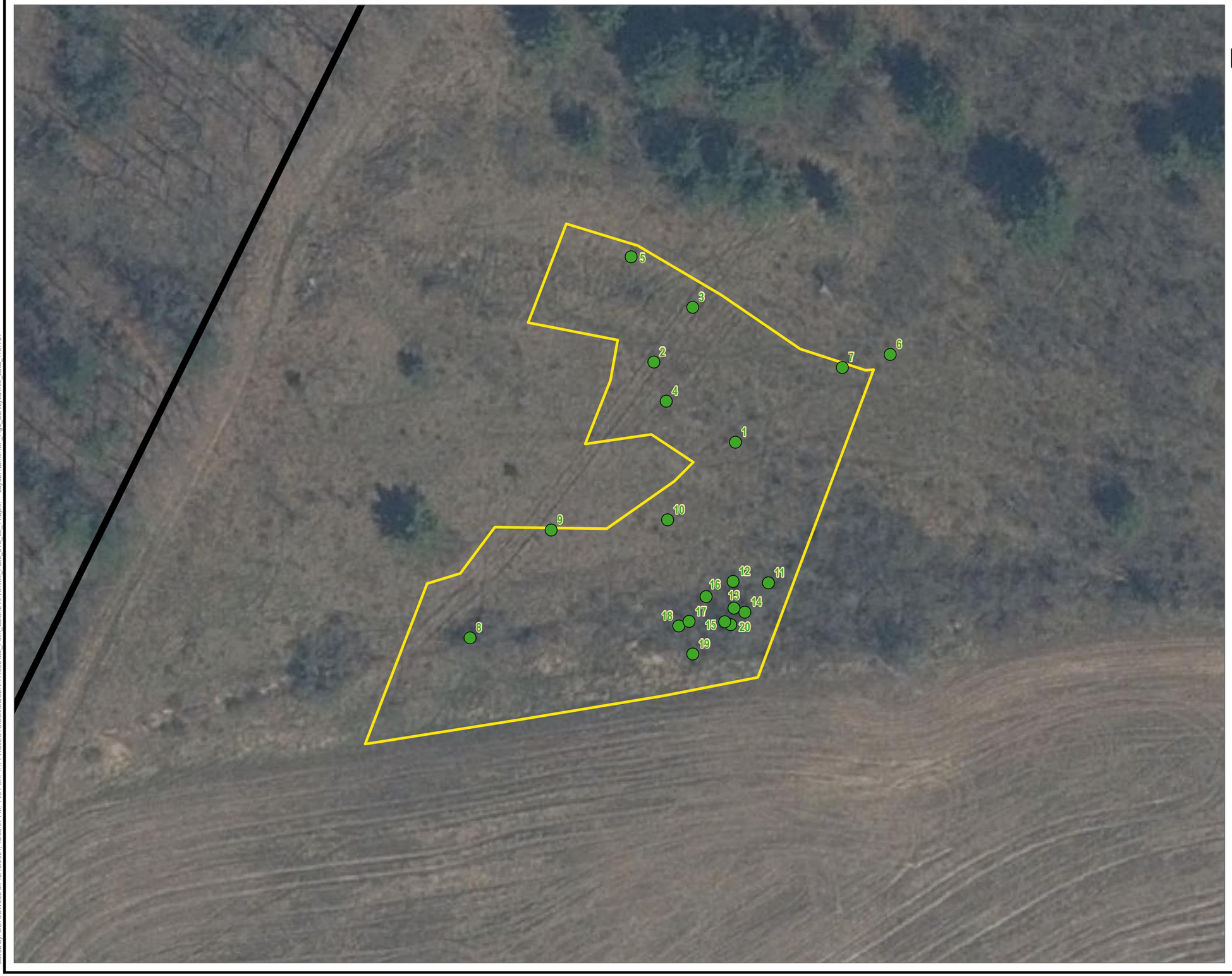


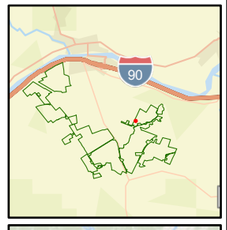
SURVEYED TREE LOCATION

SURVEY AREA

FACILITY SITE

BASE MAP: ESRI WORLD IMAGERY BASEMAP - 3/30/2022.

DATA SOURCES: ESRI, TRC.



N

1:600

1" = 50'

0 25 50 FEET

PROJECT: **CONNECTGEN MONTGOMERY COUNTY LLC**
MILL POINT SOLAR I
TOWN OF GLEN, MONTGOMERY COUNTY, NY

TITLE:

SURVEYED TREE LOCATIONS

DRAWN BY:	G. STUDWELL	PROJ. NO.:	411360.1000.0000
CHECKED BY:	C. PEARCE		
APPROVED BY:	T. KONDAK		**FIGURE 2**
DATE:	DECEMBER 2024		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: Mill_Point_94C_Ex_14.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet. Map Rotation: 0
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ATTACHMENTS

ATTACHMENT 1. PHOTO LOG

Photograph 1: Tree ID 1

American elm (*Ulmus americana*)

Photograph 2: Tree ID 2

Eastern white pine (*Pinus strobus*)

Photograph 3: Tree ID 3

American elm

Photograph 4: Tree ID 4

American elm

Photograph 5: Tree ID 5

American elm

Photograph 6: Tree ID 6 and 7

American elm

Photograph 7: Tree ID 8

Black willow (*Salix nigra*)

Photograph 8: Tree ID 9

Eastern white pine (*Pinus strobus*)

Photograph 9: Tree ID 10

Eastern white pine

Photograph 10: Tree ID 11

American elm

Photograph 11: Tree ID 12

American elm

Photograph 12: Tree IDs 13 and 14

Black willow

Photograph 13: Tree ID 15

American elm (Ulmus americana)

Photograph 14: Tree ID 16

American elm (Ulmus americana)

Photograph 15: Tree ID 17

American elm (Ulmus americana)

Photograph 16: Tree ID 18

American elm

Photograph 17: Tree ID 19

American elm

Photograph 18: Tree ID 20

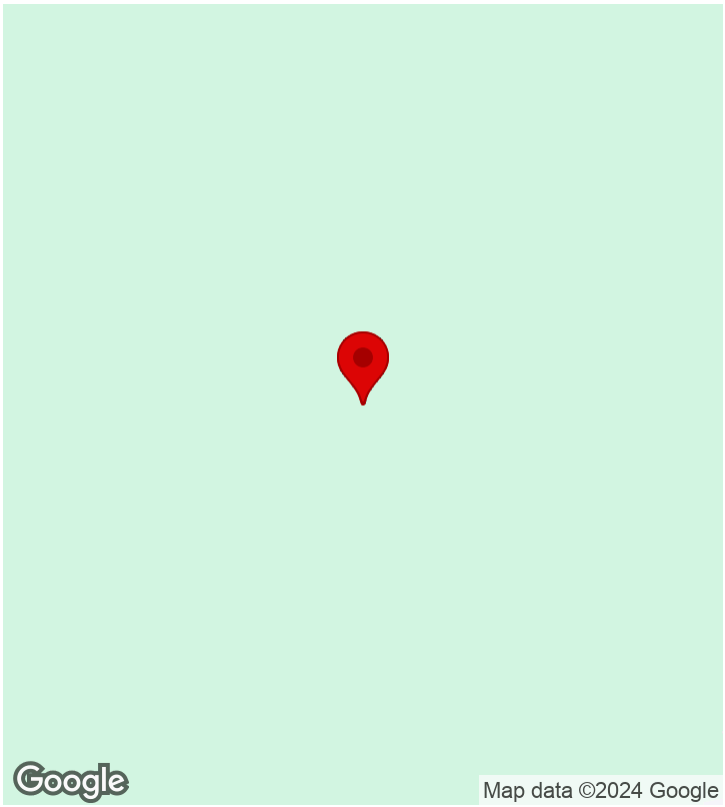
American elm

ATTACHMENT 2. DATASHEETS

TREE ID 1

American elm, Mill Point

Updated: 11/22/2024, 6:29:05 PM UTC



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by Brenner Fahrenz (BTF)

UPDATED

11/22/2024, 6:29:05 PM UTC
by Brenner Fahrenz (BTF)

LOCATION

42.920441, -74.340160

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:40
Surveyor(s)	Brenner Fahrenz

TREE DATA

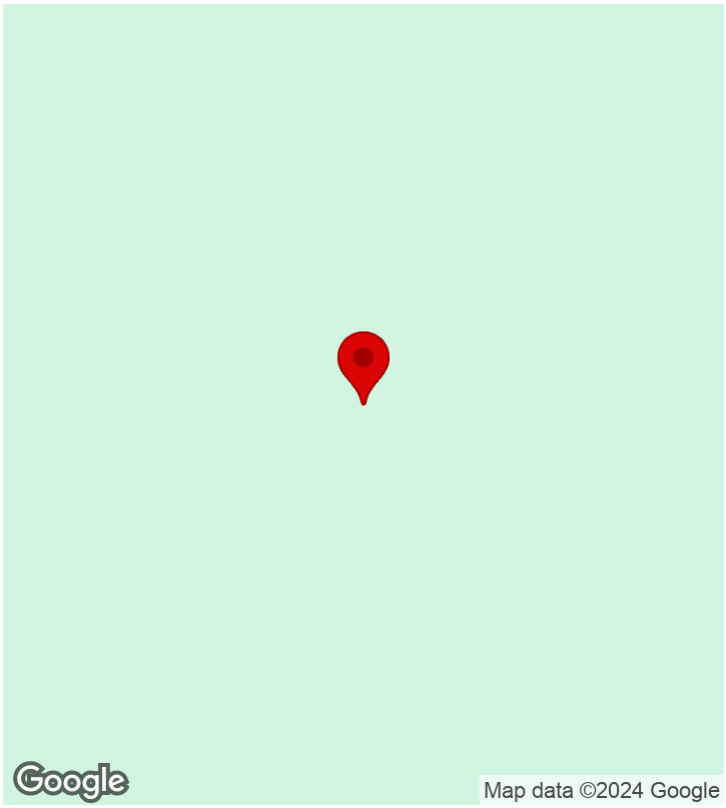
Species Filter: Growth Habit	Tree
Select Tree	Ulmus americana, American elm, Tree
Species	Ulmus americana
Common Name	American elm
DBH (inches)	4.2
Crown Position	Dominant
Condition	Poor
Health	Poor
Risk	Low
Notes	Tree is approximately 15’ tall
Photos	


11/22/2024 12:39:33

TREE ID 2

eastern white pine, Mill Point

Updated: 11/22/2024, 5:59:18 PM UTC



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by Brenner Fahrenz (BTF)

LOCATION

42.920556, -74.340319

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:58
Surveyor(s)	Brenner Fahrenz

TREE DATA

Species Filter: Growth Habit	Shrub
Select Tree	Pinus strobus, eastern white pine, Tree
Species	Pinus strobus
Common Name	eastern white pine
DBH (inches)	1.6
Crown Position	Dominant
Condition	Fair
Health	Healthy
Risk	Low
Notes	Tree is approximately 9’ tall, showing damage from deer.
Photos	


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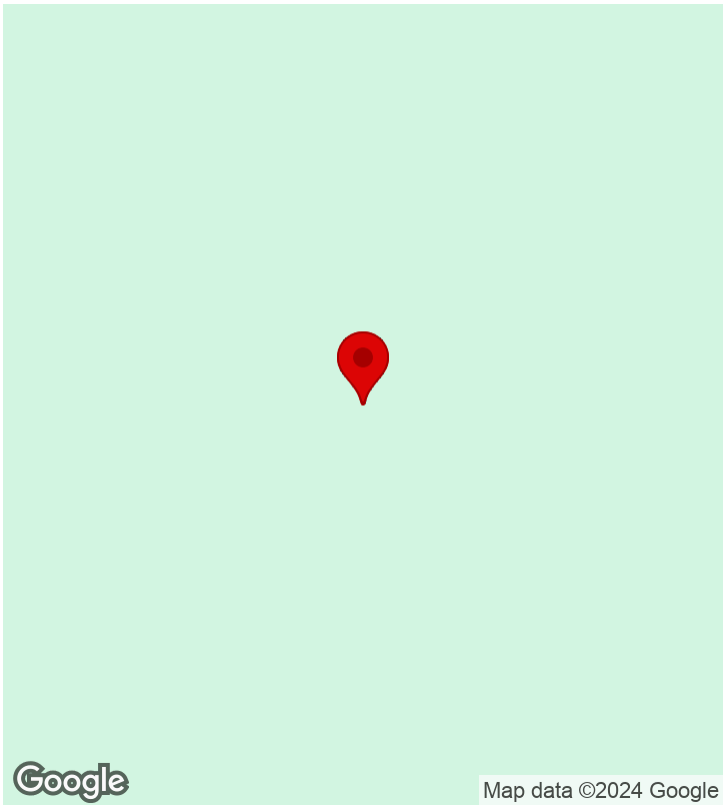
TREE ID 3

American elm, Mill Point

Updated: 11/22/2024, 5:56:20 PM UTC



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by Brenner Fahrenz (BTF)

LOCATION

42.920635, -74.340243

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:55
Surveyor(s)	Brenner Fahrenz

TREE DATA

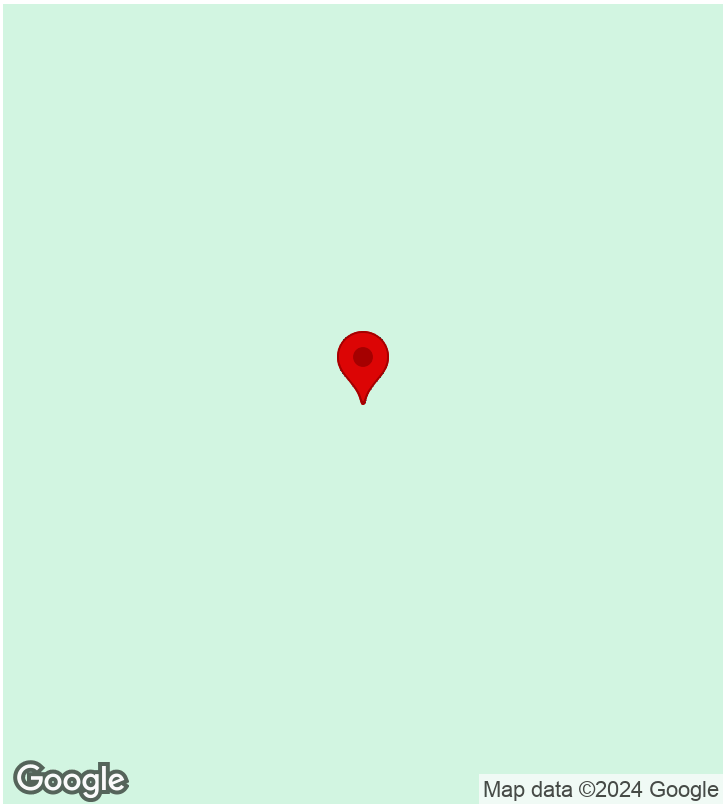
Species Filter: Growth Habit	Tree
Select Tree	Ulmus americana, American elm, Tree
Species	Ulmus americana
Common Name	American elm
DBH (inches)	3.9
Crown Position	Dominant
Condition	Fair
Health	Declining
Risk	Low
Notes	Tree is approximately 20’ tall
Photos	


11/22/2024 12:54:36

TREE ID 4

American elm, Mill Point

Updated: 11/22/2024, 5:53:51 PM UTC



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by Brenner Fahrenz (BTF)

LOCATION

42.920500, -74.340295

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:52
Surveyor(s)	Brenner Fahrenz

TREE DATA

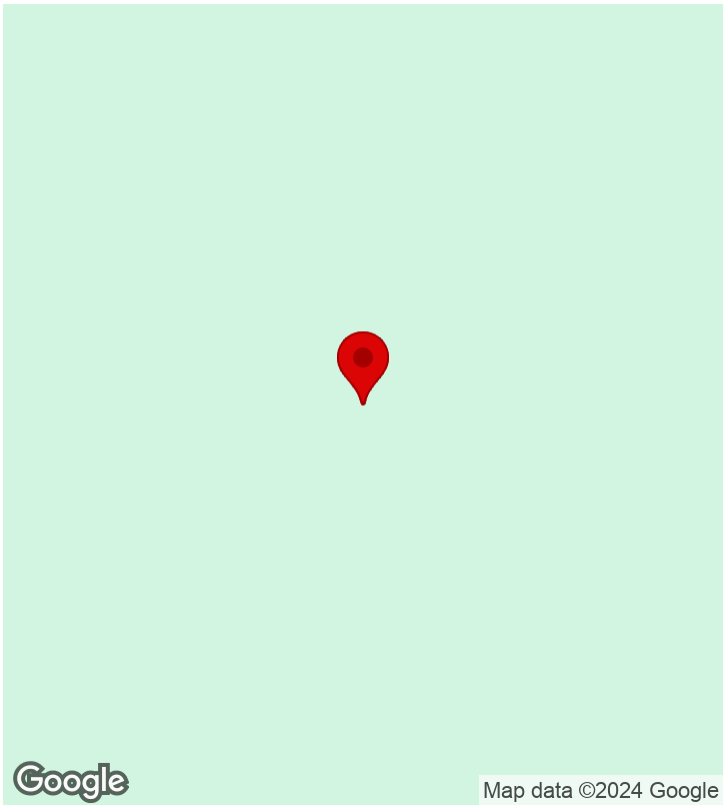
Species Filter: Growth Habit	Tree
Select Tree	Ulmus americana, American elm, Tree
Species	Ulmus americana
Common Name	American elm
DBH (inches)	4.5
Crown Position	Dominant
Condition	Fair
Health	Healthy
Risk	Low
Notes	Tree is approximately 20’ tall
Photos	


11/22/2024 12:52:20

TREE ID 5

American elm, Mill Point

Updated: 11/22/2024, 5:50:55 PM UTC



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UPDATED

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by Brenner Fahrenz (BTF)

LOCATION

42.920707, -74.340363

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:50
Surveyor(s)	Brenner Fahrenz

TREE DATA

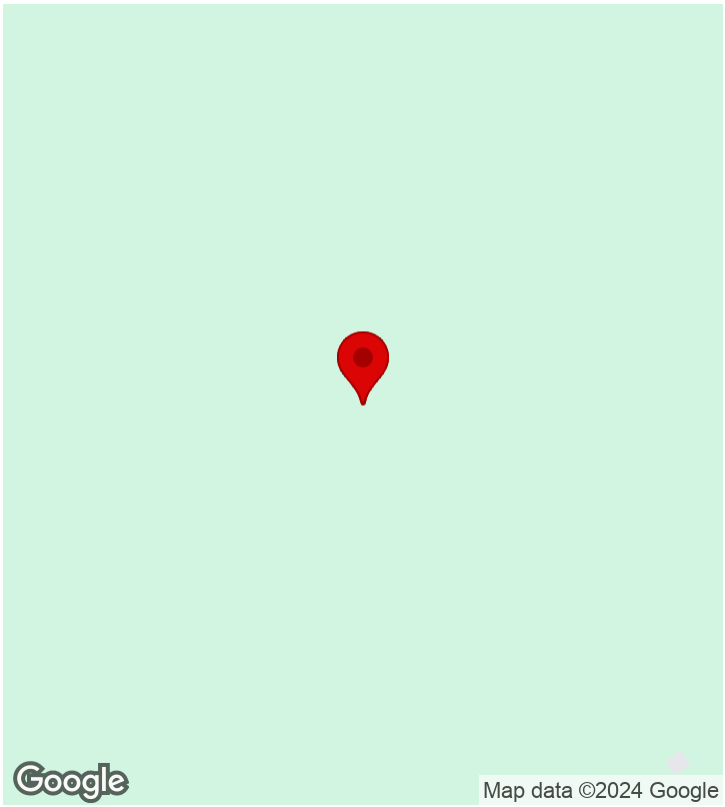
Species Filter: Growth Habit	Tree
Select Tree	Ulmus americana, American elm, Tree
Species	Ulmus americana
Common Name	American elm
DBH (inches)	4.6
Crown Position	Dominant
Condition	Fair
Health	Healthy
Risk	Low
Notes	Tree is approximately 25’ tall
Photos	


11/22/2024 12:49:37

TREE ID 6

American elm, Mill Point

Updated: 11/22/2024, 5:46:50 PM UTC



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by Brenner Fahrenz (BTF)

LOCATION

42.920567, -74.339858

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:45
Surveyor(s)	Brenner Fahrenz

TREE DATA

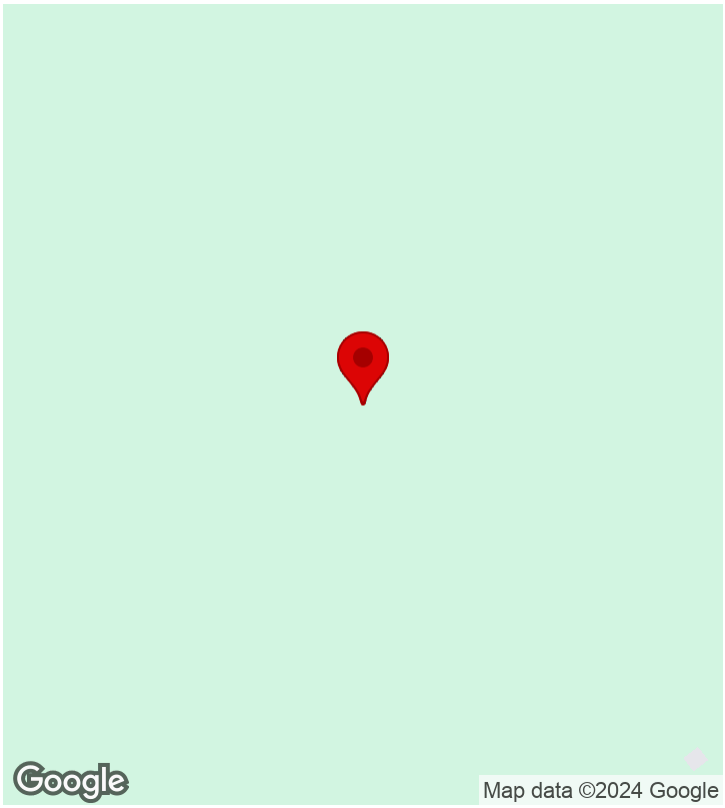
Species Filter: Growth Habit	Tree
Select Tree	Ulmus americana, American elm, Tree
Species	Ulmus americana
Common Name	American elm
DBH (inches)	3.7
Crown Position	Dominant
Condition	Fair
Health	Declining
Risk	Low
Notes	Tree appears to be declining and is approximately 15’ tall
Photos	


11/22/2024 12:43:28

TREE ID 7

American elm, Mill Point

Updated: 11/22/2024, 5:45:18 PM UTC



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by Brenner Fahrenz (BTF)

LOCATION

42.920548, -74.339951

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:44
Surveyor(s)	Brenner Fahrenz

TREE DATA

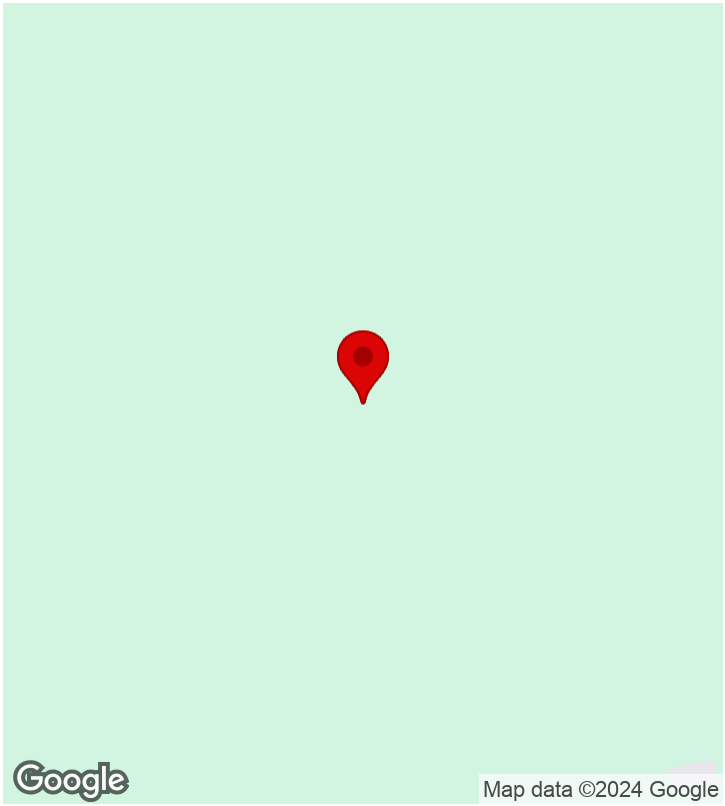
Species Filter: Growth Habit	Tree
Select Tree	Ulmus americana, American elm, Tree
Species	Ulmus americana
Common Name	American elm
DBH (inches)	3.5
Crown Position	Co-dominant
Condition	Dying
Health	Poor
Risk	Low
Notes	Tree appears to be dying or dead. Approximately 15’ tall.
Photos	


11/22/2024 12:43:28

TREE ID 8

black willow, Mill Point

Updated: 11/22/2024, 5:34:44 PM UTC



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UPDATED

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by Brenner Fahrenz (BTF)

LOCATION

42.920162, -74.340678

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:33
Surveyor(s)	Brenner Fahrenz

TREE DATA

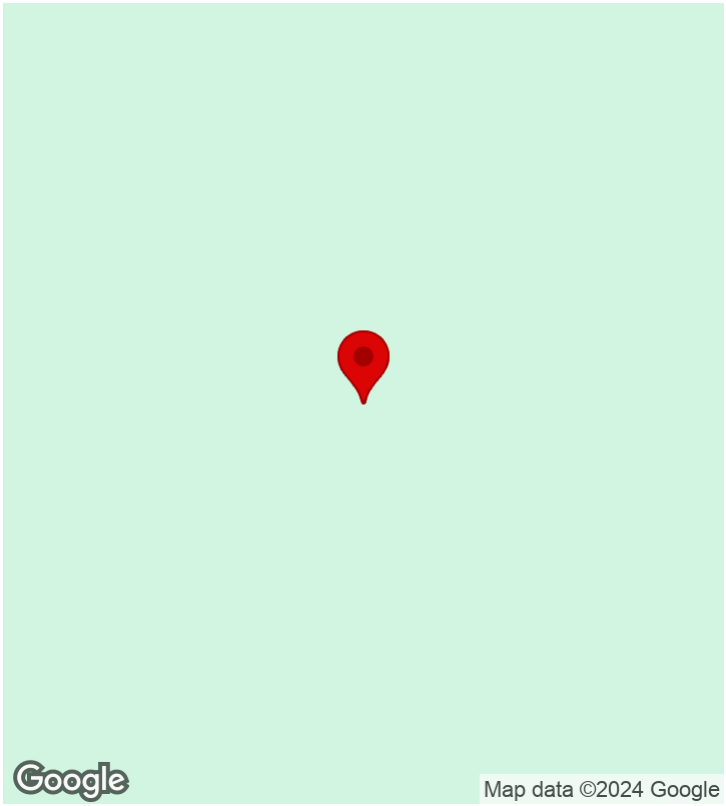
Species Filter: Growth Habit	Tree
Select Tree	Salix nigra, black willow, Tree
Species	Salix nigra
Common Name	black willow
DBH (inches)	9.2
Crown Position	Dominant
Condition	Fair
Health	Healthy
Risk	Low
Notes	Tree is multi-trucked, about 15’ tall.
Photos	


11/22/2024 12:32:32

TREE ID 9

eastern white pine, Mill Point

Updated: 11/22/2024, 5:32:00 PM UTC



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by Brenner Fahrenz (BTF)

LOCATION

42.920316, -74.340519

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:30
Surveyor(s)	Brenner Fahrenz

TREE DATA

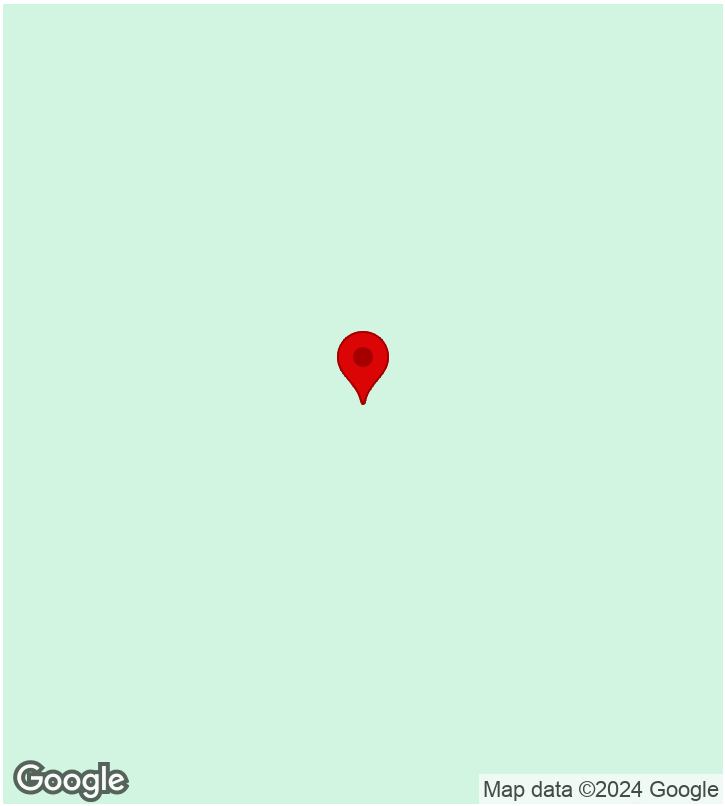
Species Filter: Growth Habit	Shrub
Select Tree	Pinus strobus, eastern white pine, Tree
Species	Pinus strobus
Common Name	eastern white pine
DBH (inches)	2.8
Crown Position	Dominant
Condition	Fair
Health	Healthy
Risk	Low
Notes	Shrub is 10’ tall, showing trunk damage from deer.
Photos	


11/22/2024 12:30:29

TREE ID 10

eastern white pine, Mill Point

Updated: 11/22/2024, 5:27:16 PM UTC



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UPDATED

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by Brenner Fahrenz (BTF)

LOCATION

42.920330, -74.340293

OVERVIEW

Select Project	
Client	ConnectGen
Project Name	Mill Point
Date	November 22, 2024
Time	12:25
Surveyor(s)	Brenner Fahrenz

TREE DATA

Species Filter: Growth Habit	Tree
Select Tree	Pinus strobus, eastern white pine, Tree
Species	Pinus strobus
Common Name	eastern white pine
DBH (inches)	3.9
Crown Position	Dominant
Condition	Fair
Health	Declining
Risk	Low
Notes	Tree is approximately 13’ tall. Trunk is showing damage from deer.
Photos	