



City of Hendersonville Electric Vehicle Charger Program Overview



Current EV Charging Stations

Publicly available:

- Two Level 2 stations at Parking Deck - Located at the corner of 5th Avenue and Church Street on the first level - four spaces available
- One Level 2 station at Azalea Lot - Located at 301 North King Street Hendersonville, NC 28792 - one space available
- One Level 2 station at Dogwood Lot - Located at 201-299 4th Ave W Hendersonville, NC 28792 - one space available

Private (for City fleet vehicles only):

- One Level 2 charging source at Motor Pool



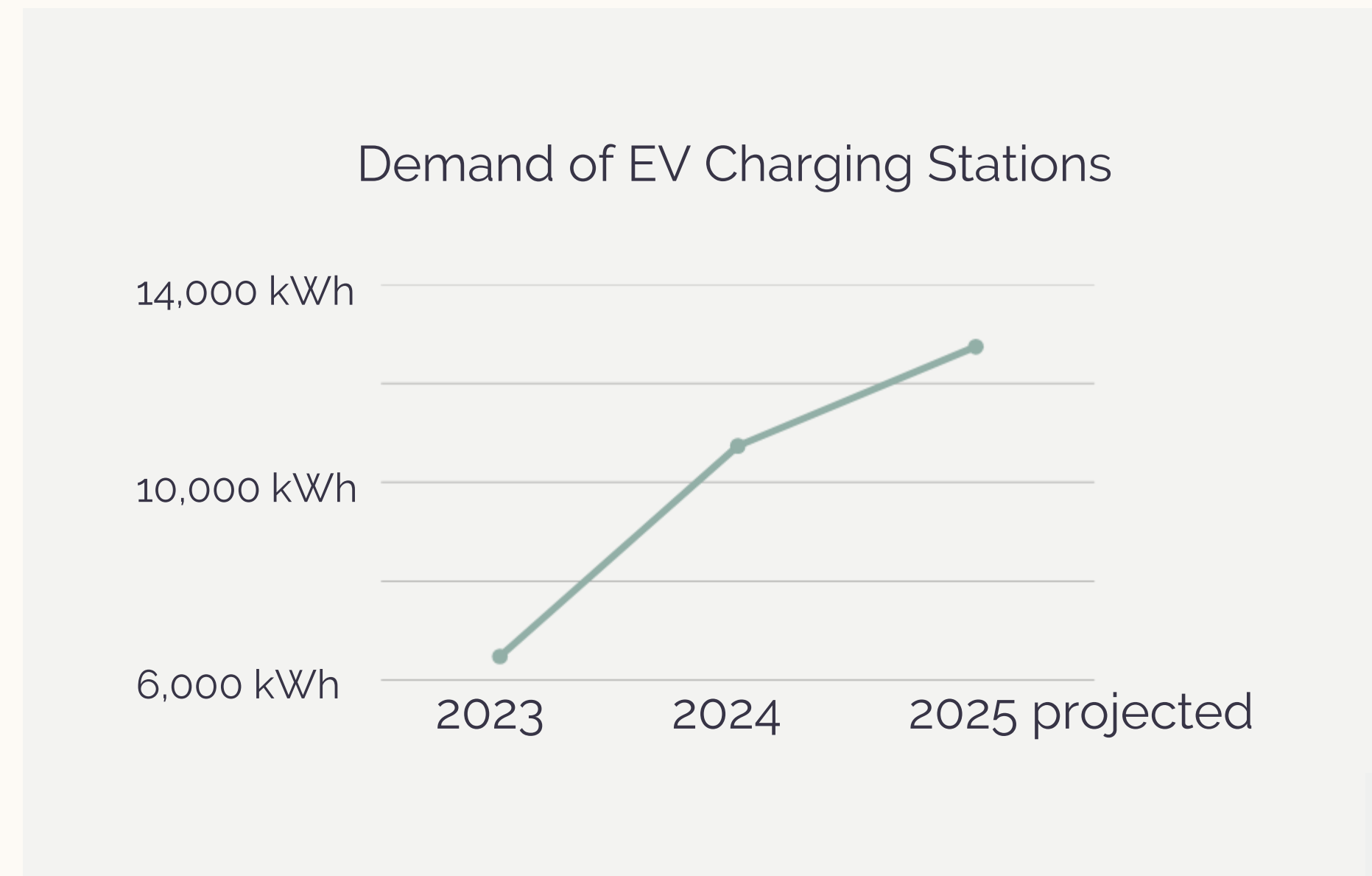
Current Energy Demand of Stations

2023: 6,480 kWh used

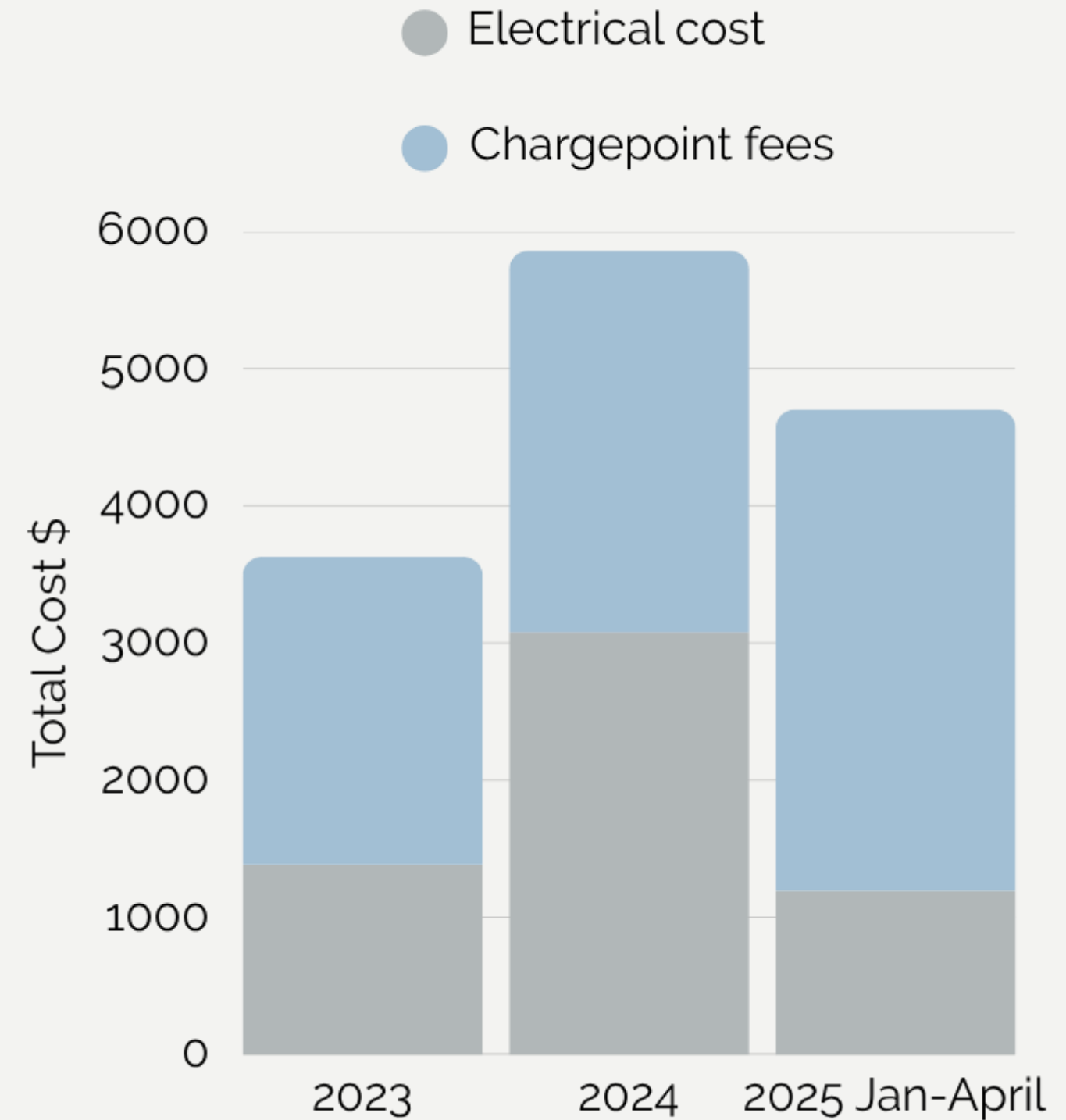
2024: 10,736 kWh used (up 66% from 2023)

2025: 4,247 kWh (only from January-April)

16,534 kg Greenhouse gas savings total -
equivalent of planting 424 trees and letting
them grow for 10 years



Maintenance Costs over time



Note: EV charging stations cost approximately \$7,000 and \$600 to install in house. Chargers last about 10 years.

Consideration for Implementing Fee

**Fee to recoup costs:
\$0.95/kWh**

**Average rate in NC:
\$0.30-\$0.40/kWh**

Breakdown:

\$2,700/year towards EV charger
replacement for 3 current stations

\$3,500 current Chargepoint fee/year

\$3,079 estimated yearly electrical cost

+ 10% fee from Chargepoint for payments