Tab 10

Types of Charging Points:

- **Level 2 chargers** (common for public parking, slower charge, often free or low-cost)
- **DC Fast Chargers** (expensive, high-speed charging, typically fee-based)

Fee schedules can be based on time, energy, session, or a combination:

Fee Type	Description	Example
□ **Per kWh**	Charges based on actual energy consumed	$0.25 per kWh
□ **Per Hour**	Time-based fee, regardless of energy used	$1.50 per hour
□ **Per Session**	Flat rate per charging session	$3.00-$10.00 per plug-in
□**Tiered Pricing**	Combines time and energy, or changes rate after a certain period (to discourage "camping")	$1/hr first 2 hours, then $5/hr
□ **Free**	Often used for promotional or grant-funded chargers	$0 – subsidized by town

Legal & Regulatory:

North Carolina (and many other states) requires EV charging fees to reflect actual utility costs **unless** subsidized through grant or policy goals.

NC Utilities Commission allows municipalities to charge for EV charging **without being classified as utilities**.

Examples:

City of New Bern, NC (example, may vary over time):

- Level 2 charging: **$1.00/hour**
- Free for the first hour in some locations
- Managed through **ChargePoint** or **EV Connect**

Town of Chapel Hill, NC:

- $2 per hour with a **4-hour maximum**
- Uses **Blink** network with idle fees if car is left after charging

Management Considerations:

Billing method: Municipalities often contract with third-party platforms (ChargePoint, EVGo, etc.) to manage payments and maintenance.
Revenue goal: They decide if the goal is full cost recovery (energy + maintenance) or subsidized service for tourism or clean energy initiatives.
Idle fees: Many charge additional fees if the vehicle is left plugged in after charging is complete to increase availability.
Signage & Enforcement: Some enforce through local ordinances or parking enforcement to prevent misuse.

Local Examples:

Swansboro, NC

- **Charging Location**: Town Hall Parking Lot, 601 W Corbett Ave
- **Network**: ChargePoint
- **Charger Type**: Level 2 (J1772)
- **Rate**: $0.20 per kWh
- **Access**: Public, 24/7
- **Payment Methods**: ChargePoint app, RFID card, Visa, Mastercard

Swansboro's municipal charger offers straightforward per-kWh billing, aligning with common practices in North Carolina.

Greenville, NC

Charging Infrastructure: Greenville boasts 59 public charging stations, with 12 offering free charging.

Charger Types:

- Level 2: 81% of stations
- DC Fast Chargers: 5 stations

Networks: ChargePoint, Blink, EV Connect

Havelock, NC

Charging Location: Havelock Tourist & Event Center, 201 Tourist Center Dr

Charger Type: Level 2 (J1772)

Rate: $0.20 per kWh

Access: Public, 24/7

Comparison

City	Charger Type	Rate	Access	Notes
Swansboro	Level 2	$0.20 per kWh	24/7 Public	Managed via ChargePoint network
Greenville	Level 2 & DC Fast	Varies (some free)	24/7 Public	Extensive network; business rebates available
Havelock	Level 2	$0.20 per kWh	24/7 Public	Located at Tourist & Event Center; free parking