

# CHARLOTTE HOBBS MEMORIAL LIBRARY

## Electric Vehicle (“EV”) Charging Station



### FAQs:

The Charlotte Hobbs Memorial Library has a two-port, Level-2 FLO-Networked charging station that is available to the public 24/7.

#### How much did the charging station cost; and who paid for it?

*The charging station cost \$18,268. An initiative from Efficiency Maine and the Nature Conservancy is reimbursing the library 90% of that cost, and an anonymous donor has funded the remaining 10%.*

#### Who can use the chargers?

*Anyone. The chargers have J-1772 plugs, which work with all non-Tesla U.S. and Canadian EVs and plug-in hybrid EVs. And Teslas can also use the chargers, since Teslas are sold with a J-1772 plug adaptor.*

#### How will EV drivers know about the chargers?

*The chargers are “networked,” which means they now appear on vehicle and smartphone EV applications, and on other navigation applications like Apple Maps and Google Maps.*

#### Are the chargers free, or do users have to pay?

*The chargers are not free; users will pay for charging.*

#### How do people pay for charging?

*Users have options to pay/authenticate at the charging station:*

- 1. Using the FLO App, create an account, and add credits via credit card payment, or proceed as a guest.*
- 2. With a FLO Card linked to a FLO account.*
- 3. FLO has roaming agreements with other charging networks, including ChargePoint, Shell Recharge Solutions, Electric Circuit, & e-Charge Network. Membership in any of those other networks allows you to access and activate the CHML stations right from those other network Apps.*

#### Do I need a FLO membership to use the FLO App or activate the CHML chargers?

*No, to activate the station without being a FLO member, you can either:*

- 1. Activate a session through the FLO App as a “guest” by providing an e-mail and credit card number; or*
- 2. Activate a session through the app of a partner network, such as ChargePoint.*

#### How much will it cost to use the chargers?

*We have initially set at an hourly rate of \$0.45/KWH for charging.*

*Depending on usage, the library will adjust the rate so that we cover:*

- the cost of electricity used (currently about \$0.25/KWH); plus*

## CHARLOTTE HOBBS MEMORIAL LIBRARY Electric Vehicle (“EV”) Charging Station FAQs:

### Page 2 of 2

- *payment service commission & card fees (10%–15%, depending on usage);*
- *the utility company’s basic connection charge (\$20/month); and*
- *EV networking fees (\$25/month/plug = \$50/month for our two plugs).*

*The library will periodically review the rate and adjust it based on usage to ensure that we cover our costs. As usage rises, we anticipate that we can lower the rate.*

### Who gets the money?

*The library will receive the fees charged, less the networking and credit card fees and the commission collected by the company that processes the payments.*

### How much time does the charging take?

*The library chargers are “Level-2,” which means that they are faster than Level-1 (120-volt, home current), but not as fast as Level-3, DC “superchargers.” They would take from 4-6 hours to fully charge an EV, depending on the vehicle’s battery and charging rate. But an hour of Level-2 charging should add 20-40 miles of range for most EVs.*