



HENDRIX
COLLEGE
Campus Sustainability
Fund Committee

William O'Brochta, Chair and Chief Sustainability Officer
Box 3915 • (540) 525-6607 • CSFC@Hendrix.edu • Hendrix.edu/CSFC

Project Completion Report

This Project Completion Report must be submitted within one month of the end of the project along with a final Project Status Report. E-mail the completed forms to CSFC@Hendrix.edu. Along with these forms, the CSFC requests that you submit pictures of the project before, during, and after completion as well as all documentation you used during the project.

Project Title: Electric Vehicle Charging Station
Initial Application Date: April 3, 2017
Today's Date: October 4, 2017
Primary Applicant Name: Peter L. Gess
Total Funding Amount: \$13,000

Final Project Balance: \$0
Actual Completion Date: August 31, 2017

Please place your electronic signature in the box below certifying that the project was completed in accordance to the Project Application (with any changes as submitted) and that a management plan exists to maintain the project throughout its life.

____ Peter L. Gess _____
Signature

____ October 4, 2017 _____
Date

1. Final Project Summary

Please summarize the entirety of the project in 150 to 200 words.

Hendrix now has a dual-port charging station installed on campus, in the visitors parking row just east of the SLTC. The site prep work (laying of electrical line, installing circuit box, creating concrete pad) was done internally, by Hendrix Facilities under the direction of Skip Hartsell. The equipment was connected by a certified equipment installer.

The station is on the ChargePoint network, the largest provider of charging stations in the world. The station is open to the public between the hours of 6:00 a.m. and 11:00 p.m. daily; to use, a driver must be registered with ChargePoint. The station allows two cars to charge simultaneously. Signage at the site indicates the parking spaces are for EVs only, and there is a four-hour parking limit. Public Safety Chief Mike Leblanc developed the Hendrix policy governing use of the charging stations (see attached). Pete Gess is the primary Hendrix administrator of the charging station.

2. Plan Versus Actuality

Compare the actual completed project to your vision and expected outcomes as discussed in the Project Application.

There were no surprises: the end result is as anticipated.

3. Lessons Learned

Describe lessons you learned during the completion of the project. Are there any suggestions you have for the CSFC to make the entire process easier or more useful?

The process was quite simple. Both ChargePoint and Skip made the process easy.

4. Metric Comparison

Please complete the estimated and actual tables below. You submitted the estimated table with your Project Application. Revise any of your estimates from the estimated table based on your experiences completing the project.

Estimated table from Project Application:

Total Funding Requested (\$)	13,000
Students Affected (#)	Any who have EVs; will grow over time (and the project will affect the entire Hendrix community and beyond through carbon reduction).
List expenses needed to maintain the project (e.g. labor costs):	No real costs (Hendrix will cover the cost of the electricity for charging).
Estimate the number of years before the project will have to be replaced (lifespan):	At this point in time, it is impossible to predict innovation in the EV market. The charging stations should be in use for many years. Further, once the electrical lines are in place, it is easy to replace the actual charger.
List and give best estimates on the expenditures or savings of environmental resources from completing the project (e.g.	See original proposal for in-depth discussion of savings. Further, many EVs are rated at about 90-100 mpg (miles per

electricity, water, gasoline, waste):	gallon equivalents), indicating how much more efficient to use that gas-powered vehicles.
---------------------------------------	---

Actual table:

Total Funding Needed (\$)	\$13,000 (project cost a bit more; extra was absorbed by Hendrix Facilities)
Students Affected (#)	Only one student is using the charger so far; more are expected as this will stimulate interest.
List expenses needed to maintain the project (e.g. labor costs):	According to the Hendrix policy governing use of the charger, Hendrix will provide the electricity free of charge to the consumer (although this is subject to change in the future). At the current rate of usage, this results in a \$36/month cost. There are no other real costs.
Estimate the number of years before the project will have to be replaced (lifespan):	The project went slightly over budget because we secured a 5-year warranty. All materials and labor to repair are covered during this time. But there is no reason to expect the equipment will need to be replaced after five years (it is hard to predict the technological advances that may happen as more and more automobile manufacturers develop EVs).
List and give best estimates on the actual expenditures or savings of environmental resources from completing the project (e.g. electricity, water, gasoline, waste):	In the approximate first month of use, the station has prevented the release of 137 kg of greenhouse gases. That's the equivalent of planting 5 trees and letting them grow for 10 years.