



COMMISSION MEETING MINUTES

Electric Vehicle Product Commission
 1250 Indiana Ave.
 Indianapolis, IN 46202
 Thursday, July 14, 2022

1. Pursuant to IC 9-13-3, the Electric Vehicle Product Commission (the Commission) meeting was called to order by Chairman Ben Wrightsman at 9:35 a.m. EST on Thursday, July 14, 2022. The meeting was conducted in person and virtually using Microsoft Teams.

a. Commission members physically present at the meeting:

Danny	Ernstes	UAW
Sen. Jim	Buck	State Senator

b. Commission member virtually present at the meeting:

Ben	Wrightsmen	BIC
Craig	Kelle	Toyota
Michael	Maten	GM
Sen. J.D.	Ford	State Senator
Rep. Mike	Karickhoff	State Representative

c. Commission members absent from the meeting:

David	Dukes	Stellantis
Paul	Mitchell	Energy Systems Network
Rep. Carey	Hamilton	State Representative

d. The Commission approved the previous meeting minutes.

e. The Commission approved an operating policy by roll call vote of 7-0.

Ben Wrightsman	Yes
Danny Ernstes	Yes
Craig Kelle	Yes
Mike Maten	Yes
Senator Ford	Yes
Senator Buck	Yes
Representative Karickhoff	Yes
Representative Hamilton	Excused
Paul Mitchell	Excused
David Dukes	Excused



- f. Guest Presenters
 - Steve Dunlop – Purdue University
 - Sue Smith – Ivy Tech
- 2. Opening Comments
- 3. Research Project Update:

Danny Ernstes: Right now, the team is unpacking data and the deliverables will be ready in August. Three of the eight purposes put an emphasis on making sure that Indiana workers have the proper skills to work on EVs. Somethings that we have learned from our manufacturers is that EV manufacturing plants will include traditional processes with some added competencies. We have also learned that there are some complementary areas that will need to evolve. Another thing we have learned is that a transition to EVs could result in a displacement of workers. We need to stay ahead of this and address it early. Another thing that we have learned is that manufacturers are developing programs with academic institutions to talk to and prepare younger students for these jobs.

Steve Dunlop: There are several universities in the state that are preparing students for electrification. We have mapped where these colleges are located and the training gaps they might be able to fill.

Danny Ernstes: As it relates to skilled and unskilled workers, how do we define these terms? Skills vary based on the company and it is hard to create a broad definition that encompasses all workers.

Sue Smith: Ivy Tech is trying to build on the programs we currently have. We started working with major companies and community colleges to understand what skills will be needed for the future workforce. There are several competencies that we did not have covered, so we created a new degree called Smart Manufacturing and Digital Integration for industry 4.0 standards. We are starting to figure out all the competencies need for EV manufacturing.

Danny Ernstes: Ivy Tech has the ability to work across the country with other colleges and businesses; any input they get helps them develop courses and training.

Ben Wrightsman: I think it is essential to focus on high voltage safety not just batteries



in general. We also need to add battery recycling/second life to the necessary competencies list.

Steve Dunlop: There is research that says if we do not reuse battery materials, there may not be enough new material to support increased consumption levels.

Danny Ernstes: Purdue conducted a pain and gain analysis that focused on workers transitioning from ICE to EV manufacturing.

Steve Dunlop: We have a lot of data, we are going to narrow it down to ICE only, EV only, and both. This will give us an employee population base and help us evaluate the risk of transitioning to majority EV manufacturing.

Ben Wrightsman: Danny and Steve, as we think about inventory of workers how do you plan to articulate the level of inventory?

Steve Dunlop: We will know the number of employees by company, but still need some information so we can evaluate the number of skilled and unskilled workers.

Danny Ernstes: Employees and students need access to training centers. We have a website that will share available courses, news, and centers across the state.

Rep. Karickhoff: I think that that website is a great idea, is it possible to link to the class core transfer library?

4. Legislative Update:
None

5. New Business:
Ben Wrightsman: I received a formal proposal from Plaka and Associates to write our report. I think that they are the best because of their connection to Indiana and past experiences.

6. Public Comment:
None

7. Closing Remarks:
None

8. Scheduling of Future Meetings:



Tentatively scheduled for Friday, July 29.

9. Adjournment:
The meeting was adjourned at 10:40 a.m.