

**Electric Vehicle  
Product Commission**

# Next Steps Recommendations

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September 23, 2022



# Next Steps Recommendations

## Recycling

- Evaluate battery recycling targets for the state of Indiana
  - » Consider targets for recovery rates on the different materials such as cobalt, nickel, and lithium
  - » Opportunities tax incentives for OEMs to get their batteries back, such as collection drives
- Review pilot program options (such as those created regarding recycled materials in HEA 1226 from 2022) where the state offers grant dollars awarded to the company that can divert the most batteries à helps get programs set up and established around the state and incentivizes battery recycling
- Review permitting and regulations for streamlining and clarifications for this relatively new type of recycling

## Hardware and Infrastructure

- Review hardware and associated infrastructure to support EVs
  - » Include hardware OEM's and providers in Indiana
  - » Review EV charging station code consideration for residential and alike
  - » Current and future charging cord consolidation/standardization
  - » Understand Infrastructure Support for EV's (collaboration)
  - » Power grid(s)
  - » Charging stations to meet demand(s)

## Research and Analysis

- Promote and foster stronger engagement with industry partners to support detailed data analysis
- Future research and analysis on the impact on recreational vehicles (RVs), boats, and airplanes are suggested
- Evaluation of the impact of hydrogen on the sector is suggested
- Future research and analysis to include the following:
  - » Detailed definitions of skilled and un-skilled workforce
  - » Detailed definitions of Tier 1 Tier 2 suppliers
  - » Detailed analysis on demographics/ethnicity and skilled/un-skilled workforce in locations at risk for job loss due to ICE production reduction. Recommended data refinement and updating annually
  - » Evaluation of the companies most at risk and suggestions for support
- Evaluate the vulnerability of the supply chain from raw materials to components for the EV industry, and develop a plan to strengthen the supply chain
- Examine the ICE/EV manufacturing space identifying the products, processes, and competencies. This would include both the EV Supply Chain and the Battery Supply Chain along with traditional ICE companies

## Workforce Development (Pipeline and Re-Training)

- Consider expanding specialized workforce training and education for all levels of employees technicians to senior management following the model that BIC has used for battery tech training

- Consider and promote the K-12 school systems regarding the impact on workforce development
- Furthering engagement with the balance of Indiana community and national colleges (data, workforce, training), similar to the work with those on the initial report

## Administrative and Financial Support

- Review additional staff support from the IEDC to the EVP Commission and the Chairman
- Recommendations for a funding match from the state/supporting agencies to include federal and local partners for workforce development
  - » Fully research opportunities in the IIJA Bill and other federal or private grants for EV manufacturing advancement
- Funding for the continuation of research from a higher education partner
- The requirement to regularly provide updates/annual report (at a minimum)
- Review and consider engagement of various stakeholders to ensure the composition and approach of the EVP Commission is effective



A photograph of an electric vehicle charging station with a white charging cable plugged into a light blue car. The background is a blurred parking lot with other vehicles. A large, semi-transparent blue geometric overlay covers the left side of the image.

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