

ELECTRIC CAR

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Outline of the literature review

1. Positive and negative spillover effects from electric car purchase to car use
2. Indirect environment-related effects of electric car vehicles use
3. Does electric car produce emissions?
4. Personal Values, Green Self-identity and Electric Car Adoption
5. Electric car with solar and wind energy may change the environment and economy: A tool for utilizing the renewable energy resource



1. Positive and negative spillover effects from electric car purchase to car use

Christian, A.K., Alim, N. & Mehmet, M.

Research problems/questions

electric car or petrol?

Methodology

sample based on data from the Public Roads Authority database

Findings

an electric car is mainly bought as an additional car

2. Indirect environment-related effects of electric car vehicles use

Bogdan, O. V., & Florin, M.

Research problems/questions

indirect environment-related effects of electric car vehicles use

Methodology

computer simulation

Findings

power plants to charge electric vehicles still make gas emissions

3. Does electric car produce emissions?

Rievaj, V., & Synák, F.



Research problems/questions

comparing the emissions of an electric vehicle with a petrol one

Methodology

use of tables that show the amount of gas emissions in different sectors

Findings

electricity production can also produce greenhouse gases

4. Personal Values, Green Self-identity and Electric Car Adoption

Camilla, B., Patrick, D. P., & Ingrid, M.

Research problems/questions

electric car as a factor of environmental value

Methodology

use of conceptual models and surveys

Findings

most electric car users use it as a "green" self-identification



5. Electric car with solar and wind energy may change the environment and economy: A tool for utilizing the renewable energy resource

Quanhua, L.

Research problems/questions

energy and environmental issues

Methodology

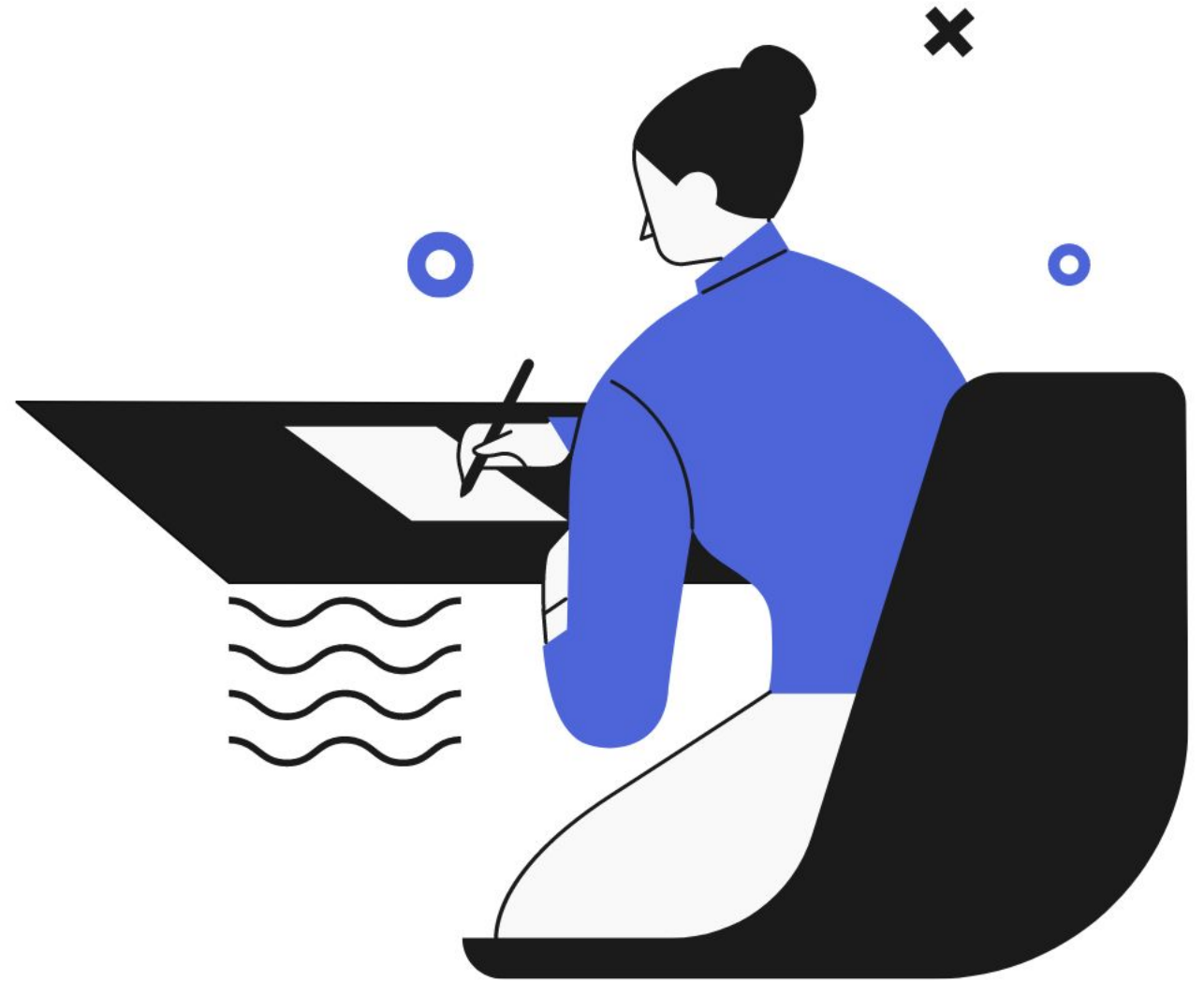
conducting a study based on data from the National Centers for Environmental Prediction (NCEP) and the National Center for Atmospheric Research (NCAR)

Findings

Using the renewable energy can ease pollution and reduce CO2 emission.

CONCLUSION

Still, the electric car is indirectly harmful to the environment.



References

Christian, A.K., Alim, N. & Mehmet, M. (2013, June). *Positive and negative spillover effects from electric car purchase to car use.*
<https://doi.org/10.1016/j.trd.2013.02.007>

Varga, B. O., & Mariasiu, F. (2018, July). *Indirect environment-related effects of electric car vehicles use.*
http://www.eemj.icpm.tuiasi.ro/pdfs/vol17/full/no7/8_491_Varga_14.pdf

Rievaj, V., & Synák, F. (2017, January 21). *Does electric car produce emissions?*
https://yadda.icm.edu.pl/yadda/element/bwmmeta1.element.baztech-0ff3459f-f164-4ee1-a494-53dccdc966c1/c/ZNOT_2017_z.94_Rievaj.pdf

Barbarossa, C., De Pelsmacker, P., & Moons, I. (2017). *Personal values, green self-identity and electric car adoption.*
<https://doi.org/10.1016/j.ecolecon.2017.05.015>

Liu, Q. (2013, December 13). *Electric car with solar and wind energy may change the environment and economy: A tool for utilizing the renewable energy resource.*
<https://doi.org/10.1002/2013EF000206>

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FOR YOUR
ATTENTION**

