



ELECTRIC BIKES

Drawdown Technical Assessment References

An, K., Xiaochong, C., Feifei, X., Bin, L., & Longyu, W. (2013). Travel Characteristics of E-bike Users: Survey and Analysis in Shanghai. *Procedia - Social and Behavioral Sciences*, 96, 1828–1838. Retrieved from <http://www.sciencedirect.com/science/article/pii/S1877042813023343>

Battery Council International. (2014, April). Recycling Rate Study. Retrieved August 24, 2016, from <http://batteryCouncil.org/?RecyclingStudy>

Battery University. (2010). What's the best battery? Retrieved August 23, 2016 from http://batteryUniversity.com/learn/archive/whats_the_best_battery.

Cherry, C., & Cervero, R. (2007). Use characteristics and mode choice behavior of electric bike users in China. *Transport Policy*, 14(3), 247–257. <https://doi.org/10.1016/j.tranpol.2007.02.005>

Chester, M., & Horvath, A. (2012). High-speed rail with emerging automobiles and aircraft can reduce environmental impacts in California's future. *Environmental Research Letters*, 7(3), 34012. <https://doi.org/10.1088/1748-9326/7/3/034012>

de Geus, B., Kempenaers, F., Lataire, P., & Meeusen, R. (2013). Influence of electrically assisted cycling on physiological parameters in untrained subjects. *European Journal of Sport Science*, 13(3), 290–294. <https://doi.org/10.1080/17461391.2011.606845>

de Vries, I.D., & Jenman, D.B. (2006). The potential of electric bicycles to provide low cost transport, mobility and economic empowerment in South Africa. Proceedings of the 25th Southern African Transport Conference. Retrieved from <http://gtkp.com/assets/uploads/20091129-210459-742-Ebikes%20in%20S%20Africa.pdf>.

Fyhri, A., & Fearnley, N. (2015). Effects of e-bikes on bicycle use and mode share. *Transportation Research Part D: Transport and Environment*, 36, 45–52. <https://doi.org/10.1016/j.trd.2015.02.005>

Fu, A. (2013). The role of electric two-wheelers in sustainable urban transport in China: Market analysis, trends, issues, policy options. UN Sustainable Development Division. Retrieved from <https://sustainabledevelopment.un.org/content/documents/3792fu2.pdf>, accessed 8/23/2016.

- Gaines, L. (2014). The future of automotive lithium-ion battery recycling: Charting a sustainable course. *Sustainable Materials and Technologies*, 1–2, 2–7. <https://doi.org/10.1016/j.susmat.2014.10.001>
- Hawkins, T. R., Singh, B., Majeau-Bettez, G., & Strømman, A. H. (2013). Comparative Environmental Life Cycle Assessment of Conventional and Electric Vehicles. *Journal of Industrial Ecology*, 17(1), 53–64. <https://doi.org/10.1111/j.1530-9290.2012.00532.x>
- Hicks, E. (2012, August 1). Watt Hours; Calculating E-bike Range. Retrieved August 28, 2016, from <https://www.electricbike.com/watt-hours/>
- INSG Insight. (2014). The Global E-bike Market. INSG secretariat briefing paper, 23.
- Institute for Transportation and Development Policy (2014). A Global High-Shift Cycling Scenario. Retrieved September 17, 2016 from <https://www.itdp.org/a-global-high-shift-cycling-scenario/>.
- Johnson, M., & Rose, G. (2015). Extending life on the bike: Electric bike use by older Australians. *Journal of Transport & Health*, 2(2), 276–283. <https://doi.org/10.1016/j.jth.2015.03.001>
- Jones, T., Harms, L., & Heinen, E. (2016). Motives, perceptions and experiences of electric bicycle owners and implications for health, wellbeing and mobility. *Journal of Transport Geography*, Volume 53. Retrieved from https://www.researchgate.net/publication/302917108_Motives_perceptions_and_experiences_of_electric_bicycle_owners_and_implications_for_health_wellbeing_and_mobility.
- Leiber, N. (n.d.). Electric Bikes Won Over China. Is the U.S. Next? Retrieved August 29, 2016, from <http://www.bloomberg.com/news/articles/2016-06-02/electric-bike-makers-woo-americans>
- Navigant Research. (2016). Electric Bicycles. Retrieved August 27, 2016 from <https://www.navigantresearch.com/research/electric-bicycles>.
- Nykvist, B., & Nilsson, M. (2015). Rapidly falling costs of battery packs for electric vehicles. *Nature Climate Change*, 5(4), 329–332. <https://doi.org/10.1038/nclimate2564>
- Ogden, B. (1895). "Electrical Bicycle" US Patent 552271 A.
- Rose, G. (2011). E-bikes and urban transportation: emerging issues and unresolved questions. *Transportation*, 39(1), 81–96. <https://doi.org/10.1007/s11116-011-9328-y>
- Samaras, C., & Meisterling, K. (2008). Life Cycle Assessment of Greenhouse Gas Emissions from Plug-in Hybrid Vehicles: Implications for Policy. *Environmental Science & Technology*, 42(9), 3170–3176. <https://doi.org/10.1021/es702178s>
- Yang, C.-J. (2010). Launching strategy for electric vehicles: Lessons from China and Taiwan. *Technological Forecasting and Social Change*, 77(5), 831–834. <https://doi.org/10.1016/j.techfore.2010.01.010>