

Three Essentials of the Electric Grid, Module C: Business Essentials

Summer Session 2018, Term I, ENV5511

Instructor Joe Halso Associate Attorney Sierra Club Environmental Law Program

[joe.halso@sierraclub.org](mailto:joe.halso@sierraclub.org)

313-590-1720

**FIRST ASSIGNMENT**

Readings for Class #1

*Background: the modern electric car*

Kevin B. Jones, Benjamin Jervey, Matthew Roche, & Sara Barnowski, THE ELECTRIC BATTERY: CHARGING FORWARD TO A LOW-CARBON FUTURE, Chapter 4, **please read pages 69-82.**

*Transportation pollution and the need to electrify...or not*

David Vox, The Key to Tackling Climate Change: Electrify Everything, Vox (October 27, 2017).

Jonathan Lesser, "Are electric cars worse for the environment?," Politico (May 15, 2018).

Electric Power Research Institute, *Environmental Impact of Electric Vehicles* (May 2018).

*The utility business model and electric vehicles, Part I*

Travis Kavulla, Excerpt from "There Is No Free Market for Electricity: Can There Ever Be?," American Affairs (May 20, 2017).

"Adapting to plug-ins: Electric cars could help save power utilities from a 'death spiral,'" The Economist (October 4, 2014).

*Vehicle-Grid Integration*

Regulatory Assistance Project, *Getting from Here to There: Regulatory Considerations for Transportation Electrification* (May 2017), **please read pages 15-24.**

Smart Electric Power Alliance, *Utilities and Electric Vehicles: The Case for Managed Charging* (April 2017), **please read pages 5-7, 14-17.**

