Curriculum Unit Title	Electrical Power: A Quantitative and Qualitat	ive Comparison of Energy Resources	Author	Nancy Rudol	ph
KEY LEARNING, ENDURING UNDERSTANDING, ETC.					
Energy is a quantitative property of a system that depends on the motion and interactions of matter and radiation within that system. That there is a single quantity called energy is due to the fact that a system's total energy is conserved, even as, within the system, energy is continually transferred from one object to another and between its various possible forms. (NGSS: PS3.A)					
	erred and conserved?				
	CONCEPT A	CONCEPT B			CONCEPT C
Electrical Power		Comparing Energy Resources Used to Generate Electricity			Electricity Generation in Delaware and Neighboring States
ESSENTIAL QUESTIONS A		ESSENTIAL QUESTIONS B			ESSENTIAL QUESTIONS C
What is electrical pov How is electricity pro How does electricity a	duced?	What are the similarities and differences in the production of electricity from different resources (oil, natural gas, nuclear fission, solar, hydroelectric, geothermal, wind)? What are the factors that affect power density? Explain how.			How is electricity in Delaware (and neighboring states) produced? What are the proportions of renewable and nonrenewable resources used to generate electricity in DE?
VOCABULARY A		VOCABULARY A		VOCABULARY A	
Fossil fuels, hydrocarl pollution, power dens	bons, electrical power, energy flux, thermal sity	Nuclear fission, PV cell, solar thermal power, hydroelectric, geothermal, biomass			Renewable, nonrenewable resources, proportion
ADDITIONAL INFORMATION/MATERIAL/TEXT/FILM/RESOURCES					
Appendices list article	es and video resources to support this unit.				