ENVIRONMENTAL MANAGER



STUDENT NAME:	CLASS:	DATE:
by 2050. And the deadline is fast appro	oaching. To jumpstart this, your commu	nate must be 100% clean and carbon-free nity was selected to be the first one to nation would it take to do that? This is what your
development has on environmental eco	ommunity's environmental footprint. To	who understands the effects human it your team designs an energy system that secure your team's electrical energy system
 Begin your research by checking or http://intotheoutdoors.org/topics/ 		
How does renewable energy help t	the environment?	
• Why is it important for people and	utilities to protect the environment?	
	and abiotic factors make up an ecosyst	tem?
Why are vegetation and electric tra		pination?
What are rights-of-way and how is	vegetation maintained in them?	
the environment. What solutions or	r strategies can environmental manager	damage and cause impacts on wildlife and suse to minimize or avoid these impacts? •
View an aerial map of the commur	nity and surrounding landscape. Work w	vith the Electrical Planning Engineer and

Security Manager to plan a path for the transmission equipment that minimally impacts the environment.

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systems or natural areas will your transmission equipment cut through with rights-of-way?
sives in the area that your construction crews should avoid?
ed species dwell in your community? How will you reduce impacts to them?
ove habitats for the wildlife?
ounter any fragile ecosystems, such as wetlands? How will you protect the soil and water during
/a:

• Include your management strategies in your energy system diorama.

Next, discuss your findings with your team members and plan out an electrical energy system that will generate and deliver renewable, safe, efficient, reliable power to your community. As a group, use all of your discoveries to design and craft a diorama of your energy system on top of a sheet of cardboard. First, paint an aerial view of your landscape on the cardboard. Then let your inner genius out and construct your electrical energy system on the landscape. You may mold clay or use construction paper to build houses and transmission equipment ... or even glue in natural resources like sticks, pebbles, moss, grasses, or sand to recreate the landscape. Your team will pitch your renewable energy system diorama to the class with supporting research. The group who receives most of the community's support wins the challenge!

