LESSON 3

BIG POWER IN SMALL PACKAGES

DIRECTIONS:

Please follow the directions for each prompt below:

1. What does SMR stand for?

2. What are at least two benefits of SMRs?

3. Describe the process of the self-regulating system:

4. Why do you think it is important for the team to repeat instructions back to each other when reducing power?

5. What is load-falling? When would it be used?

6. What does “Balancing the Grid” mean?

7. What is a UMM? Why is it used?

8. When did Hurricane Katrina happen?

9. How could microreactors fit into the equation of rebuilding Puerto Rico?

10. How long has it been since the last nuclear reactor was built at INL?

11. Why was the speed of creating MARVEL important?

12. Why are wind and solar intermittent energy sources?

13. Why are some areas using diesel for energy?

14. What is the goal of any power plant?

15. What is a thermal power plant?

16. How efficient is a thermal power plant?

17. How can a thermal power plant store heat and then transfer it?”

18. What are the advantages of hydrogen as an energy carrier?

19. How do microreactors help with remote locations?