

ID: (ASSIGNED BY CSG): 07-S-19WVMineSafetyElectricalTrainingUnit
STATE OF WEST VIRGINIA

Category: Training and Development

1. Industry Wide Electrical Calculation and Evaluation
2. WV Office of Miners' Health, Safety & Training
3. Tom Harmon, Mine Electrical Inspector
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8. <http://www.wvminesafety.org/>
9. Promote safe employees and safe work environment through high quality training of current and future electricians throughout the industry.
10. Three years
11. Enhance safety and training productivity throughout the industry.
12. Hands on approach to teach current safety precautions within current guidelines and regulations.
13. First available hands on training in the industry for West Virginia, uses safe voltages to prevent hazards and accidents during training sessions.
14. \$35,000 – costs include purchase of trailer and the cost of electrical panels built by current staff.
15. \$70,000 – annual cost includes the use of the vehicle and trailer and the salary of electrical inspector/trainer assigned to this project.
16. General Revenue funds the salaried position while special revenue currently funds the usage of the vehicle and trailer.
17. No.
18. Part of the training is performed in PowerPoint, CAD is used for electrical drawings, low-medium-high voltage electrical simulators, and transformer used throughout the industry.
19. Yes. Tom Harmon – contact information above. Project was started on a brown lunch bag with a pencil as the original idea.
20. University of Wyoming, United States Department of Labor, various industry companies have requested the drawings and plans to duplicate the training and equipment.
21. Yes it is fully implemented, however Mr. Harmon would like to continue adding to the program.
22. Operates on low, medium and high voltage up to 12,460 volts. By using low voltage (12 volts) which is not enough to receive an electrical shock we can duplicate the same situations that are encountered in every day work. Therefore we can train individuals in a safe, controlled environment. Trained over 4,000 individuals with hands-on and calculation training. The unit is a self-contained mobile classroom which can be taken to various job locations for training. There are over 350,000 copies of the motor calculation books distributed throughout the United States and worldwide.
23. Regular improvements and additions to the training program have been made. The equipment has been used for annual troubleshooting competitions and sponsored the first national electrical troubleshooting competition.
24. Availability of equipment and qualified personnel to construct the unit and do instruction.