

## Summary of changes to apprenticeship for NVE South Substation Apprentices

	<u>Current</u> <b>Suggested</b> <u>Hours</u>	<u>Revised</u>
<u>Maintenance Total:</u>	<u>2530</u>	<u>3180</u>
Equipment testing and setup	300	500
Power transformer Work	450	800
Tapchanger work	430	430 (Same)
Transmission Circuit Breakers	550	550 (Same)
Distribution Circuit Breakers	450	500
Troubleshooting/Prints/Analysis	200	250
Capacitor Banks	150	150 (Same)
 <u>Construction Total:</u>	 <u>2100</u>	 <u>3150</u>
Grounding	350	550
*Steel work/substation structures	250	550
*Equipment Setting/Conduit Install	150	550
*Sta. Svc. Equip/Wiring/Install	500	650
*PT,CT,CCVT Connections/Wiring	800	800
Bucket/Motorized Equip operator	50	50 (Same)
 <u>Shop Total:</u>	 <u>1900</u>	 <u>200</u>
Benchwork	300	Combine all
Transformer Maint./Repair/Testing	1300	3 categories into
Fabrication	300	"General Shop"
 <u>General:</u>	 <u>1470</u>	 <u>1470</u>
Safety	480	480 (Same)
Switching	260	260 (Same)
Classroom and associated study	730	730 (Same)

### **TOTAL PROGRAM HOURS – 8,000**

- Changed maintenance, construction, and shop hours to better accommodate workflow needs.
- Removed previous classroom curriculum consisting of NUS, Alexander Publications, T&D, and Electricity 1-7. Electricity 1-7 not available, as well as several lessons from NUS, Alexander Publications, and T&D. Added NJATC Electrical Training Alliance from ProTech Skills to update curriculum with more readily available, as well as more modern-day, material. New order of lessons to follow ProTech Skills order, supplementing with additional in-classroom materials, as well as hands-on activities.