



The North American Center for Emergency Communications (NACEC)

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As many of you know, we have been working for the last several years to help reduce the extreme poverty in Haiti by providing post secondary education in our area of expertise, "electricity".



Our first trip to Haiti took place in 2012. This trip gave us the opportunity to meet up with Pastor St. Luc Noel and his family in the mountain community of La Bastille. It also gave me the opportunity to meet with several folks at Haiti's national electric power company. During the meeting we found that most of their electrician come from Cuba and the Dominican Republic because Haiti has very few electricians. They would like to hire their countrymen and help their country's economy, however in order to keep their utility operating, they have no choice but to hire electricians from other countries to fill these positions. We then talked about the possibility of teaching some of the young Haitian men basic electricity. They felt if we were to do this, they

may be able to hire them as apprentices and have them work under their existing electricians. This would make it possible for them to have Haitian electricians at some point in the future. It would also allow them to start creating jobs to help start their national economy moving forward, while drastically reducing the amount of poverty across the country.

During this first trip we also tested students to find those that had a strong enough education to be able to handle the math and science needed for a basic electricity course. By the end of our visit we completed the testing and had found 18 potential students.



Our second trip took place in 2014.

During this trip I taught our first basic electricity class. I was surprised to find that the students we had chosen were able to soak up the knowledge on basic electricity just as fast as I could present it to them. They were just as smart or smarter than the students in the electricity and electronics classes I taught at Minnesota School of Business (ITT Technical Institute) back in the mid 80's.

We needed to come up with a way to teach more students in many different locations, without the need to build or lease buildings to act as schools in the many communities across Haiti where the classes are needed.

So we decided to approach this from a totally different direction. After the 2010 earthquake, Haiti has given priority to building or rebuilding its infrastructure such as communications systems, roads, electrical generation and electrical distribution systems. Electricity is now reaching into the rural areas where it was never available before. This means that there are hundreds of thousands of homes that will need to be wired for electricity. Almost everyone has a cell phone now and Internet is widely accessible through the cellular telephone companies. So we decided to develop and operate an online Distant Learning Program, that can be operated from up here on the range and used by missionaries where ever it is needed worldwide. We have already had some interest from an organization operating in one of the third world countries located in the Africa region. Here is a list of chapters in the Basic Electricity course. Currently the course is about 30% complete and will be finished by the time we leave for Haiti on the next trip.

Welcome to the Basic Electricity Module [EL101]

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|-----------------------------------|----------------------------------|
| 1. Module Introduction. | 12. Series Resistance. |
| 2. Uses for electricity. | 13. Parallel Resistance. |
| 3. What is electricity. | 14. Magnetism. |
| 4. Conductors. | 15. Electro Magnetism. |
| 5. Insulators. | 16. Inductance. |
| 6. Current. | 17. Power Factor. |
| 7. Voltage. | 18. Capacitance. |
| 8. Power. | 19. Transformers. |
| 9. Electrical Safety. | 20. Fuses & Breakers. |
| 10. Electrical Generation. | 21. Grounding. |
| 11. Batteries. | |

Note: Subject order may change.

Our next trip to Haiti is planned for February 1st, 2016. Our goals for this trip are as follows;

1. To spend some time with our past students going through our new online Basic Electricity program.
2. To make sure our online English to French language translator is translating properly.
3. To show Pastor St. Luc how to issue entrance exams online with the new Distant Learning Program.
4. To show Pastor St. Luc how to issue the loaner equipment to the students in his area.
5. To set up a real time test of the system by adding several new students to the Distant Learning Program.
6. Get a 100 yard trench dug and install an underground cable to provide electric power to the Dental Clinic.
7. Bury 400 ft of pipe to get running water into Pastor St. Luc's and into the Dental Clinic .
8. To serve first ever coffee'n , 250 spaghetti dinners, to parishioners following church services on Feb. 7th.
9. Lastly, to introduce Deacon Ogilvie, of the Evangelical Free Church of Forbes MN, to life in Haiti.

Both Rich and I want to see the new churches that Pastor St. Luc has built in the last year or so. It's getting so Pastor St. Luc's place is becoming my second home. There is still a lot of work to be done. If you, your church, club or organization would like to help with this mission, it would be greatly appreciated. We are hoping to raise about \$2,300 more for this year's trip. We are also looking for working used laptop computers, so if you have an old one you don't need, we would be glad to take it off your hands and put it to good use. We can issue it to a student who can use it to access our new Distant Learning Program and improve his education so he can find work and help support his family.

Should you have any questions or like me to come speak at your church, club or organization, please feel free to contact me at 218-305-4100.

Warmest Regards,

Edward E. Addy
Executive Director

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