**EWB Meeting – March 6, 2013**

* Reviewing RFP Responses
* Christie looked into connecting into the existing water line
* DP5 location – located further away and at a higher elevation
  + Pressure issues
  + Don’t have demands for sector 7 – need to know the number of homes or residences (Ask Anne Marie about chart for the number to send to Christie)
  + Minimum service pressure: 10 (more is preferable)
  + Would need a boost of 10-15 psi
  + Might need more 3” pipe
  + Big cost difference between 2” and 3” pipe – could tap in with 2” and expand to 3”
* There are plans for a hand-dug well near the highway
  + What will the rate be if Apatut taps into the system
  + Grant money – to expand the system (may not be affordable)
* Design Demand - 30 gallon/person/day
* Have yet to receive topo data form the college (have not yet started and they have no plans to go ahead yet)

**Next Steps**

* Christie will finish the modeling
* Start proposal for the water department (reduction in rates if we tie into the system)
* Walt, Octavio, Steve : will start working on the proposal
* Extra booster pump
  + Christie will put together optional assemblies
* Review drilling proposals
  + RB Rivera well-drilling
  + Other proposal – unknown contractor
  + Took several weeks to get the proposals back
  + We can’t find a contractor who is willing to develop the well
  + Ask Edgardo if he contacted drillers in the San Fernando area
  + Bob has concerns about water chemistry issues
  + Without good drilling contractors, bringing in the public water may be a better idea
  + Matt was concerned that we’d lose Rotary support if we change course
  + President of the Rotary – unresponsive
    - 1 or 2 weeks ago – Anne Marie heard from a local contact
  + Water testing is expensive – difficult to find viable source
    - Bob tried to find one – have price list from SGS
  + Ask Edgardo for names & addresses of contractor
    - Steph will email Edgardo
* Could perform an economic analysis between the two options for Rotary
  + Might be more willing to find another water source option
* Summary of households – Steph/Amanda have it
* Upcoming trips
  + Bob is willing to travel
  + Before June or trip will be in the fall (Rainy season starts in June)
  + Could to provide education & point of entry (POE) systems
  + Limited funds
  + Small travel team (2-3 people)
* Point of entry treatment option
  + Steph did pricing on supplies – jugs and chlorine
* Contact Edgardo about supplies – contact beforehand
  + Health Department
  + Supplier for potable water jugs
* Pesticide testing – need sampling equipment
  + Expensive – use SGS for testing $500 USD per sample
* The municipality uses deep wells (likely a cleaner source)
* Fundraising
  + Grant writing – monthly session
    - Worked on 5 grant applications
    - Have a spreadsheet of applications and due dates
    - End of this month
      * National Groundwater Association (NGW)
        + Grant (next month)
      * EWB Spring Grant
  + Event
    - Sporting Event – Flyers, Union, Phillies
    - Orchestra show at the Mann Center

**Conference call summary from 3/28/2013**

Attendees: Bob DiFilippo, John Ciganik, Walt Walker, Sal Palalay, Steve Kim

1. Review of conference call between EWB-USA ( Joshua Knight ) and EWB-Philadelphia ( Stephanie Cook, Bob DiFilippo, Walt Walker, Steve Kim ) from 3/18/2013
   1. Feedback from Joshua Knight regarding the Point of Entry treatment option
      1. Community contribution: 5% to 10% of operating budget (~$0.10 to $0.20/household per month )
      2. Statistically significant: 180 households
      3. Ethics discussion: Chlorine treatment = higher consumption of potentially chemically contaminated drinking water
   2. Review of project by Stephanie Cook
      1. Assessment trip (Oct/Nov 2012) | Challenges with current water sources
         1. Deep well |Disinterest from Local Drillers regarding well development
         2. Shallow well | Contamination: Biological, Chemical
         3. Municipal Tie In | High rates (3% of income is well known acceptable rate)
   3. Deep Well development discussion: Bob DiFilippo, Joshua Knight
      1. Local Driller Challenges
         1. Incomplete: no screen, no casing
         2. Verification of well development to 100m?
            1. Yes: Bore log (but gap in data)
            2. Yes: EWB oversight of drilling (but not continuous)
      2. Manual Well Development
         1. Tripod, winch & pulley with hand bailers
   4. Travel planning / Reporting deadlines / Corrective Action
      1. Report reviewed and approved with June trip dates
      2. Travel in late May by EWB-Philadelphia will necessitate corrective actions from EWB-USA affecting grant eligibility for a time period (6 months?)
2. Discussion of water source options
   1. Deep well
      1. Continue to assess. Manual well development is attractive.
      2. Still a possible option with VOC, chemical testing
   2. Shallow well
      1. Confirmed to be biologically contaminated
      2. No longer an option as treatment is cost prohibitive
   3. Municipal Tie-in
      1. Current projected municipal rates are 3-4 times what the community can afford
      2. If rates can be negotiated, this is a viable option.
3. Travel dates and personnel availability (~10 days, 2-3 people)
   1. Historical Rainfall data: 5” in May, 13” to 16” in June
   2. Manila to San Fernando by smaller plane
   3. Team availability
      1. Bob DiFilippo: May 13 to 18th, Mid June (June 17th?)
      2. John Ciganik: Last week in May, 1st week of June
      3. Octavio Casavantes: TBD
      4. Steve Kim: May is no good. June TBD.

Action items / Next steps:

* Kagawad (Sector Leader) availability. Steve Kim to work with Edgardo Ayaquil
* Sal Palalay to look into May/June rainfall data
* Bob DiFilippo to check on indicator strip testing for VOCs
* Tentatively plan to have follow up call the week of April 1st.