Building a better world
one community at a time

CEAM 2014 Annual Conference,
EWB-USA is a non-profit humanitarian organization dedicated to partnering with developing communities around the world.

- Incorporated in 2002
- 13,800 volunteer members
- 300 chapters across the United States
- Working in 46 countries around the world
Engineering services through volunteer chapter members to implement the infrastructure necessary to meet basic human needs.
Through sustainable engineering projects, EWB members strive to improve the quality of life in the communities they serve.
Current Program
Santa Rosa Senca
Current Program
Santa Rosa Senca
Community seeking assistance with improving water distribution system

EWB-MnSU have completed 2 assessment trips, where problems were evaluated and land was surveyed and mapped.

Planning to extend water system and relieve high pressure areas.

Design is complete. Planning to implement this coming winter.
Design

- 2” PVC Extension
- 3 Break Pressure Tanks - used to relieve areas of high pressure
- #1 Large Volume Tank Supply
- #2 & #3 Fifty Gallon Mortar Drum
## Estimated Cost

<table>
<thead>
<tr>
<th>Item</th>
<th>QTY</th>
<th>Price</th>
<th>Unit</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td><strong>Pressure Relief</strong></td>
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<tr>
<td>Volume Tank</td>
<td>1</td>
<td>$150.00</td>
<td>Each</td>
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<td>Break Tank</td>
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<td>$320.00</td>
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<td>2&quot; Glove Valve</td>
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<td>Float Valve</td>
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<td>$120.00</td>
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<td>2&quot; Gate Valve</td>
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<td>$27.75</td>
<td>Each</td>
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<tr>
<td>2&quot; PVC 250 PSI</td>
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<td>4&quot; PVC 250 PSI</td>
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<td><strong>Cost</strong></td>
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<td>$3,809.60</td>
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<td>10% Contingency</td>
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2014 Goals

- Submit Preliminary Design
- Complete Plans
- Submit Implementation Report
- Project Funding
- Implement Project by January 2015
Future Goals

- Pump Controls
- Erosion Issues on Mainline
- Administrative Assistance
Please Help Us

- Mentorship
- Partnerships
- Fundraising
The Impact

- Directly affecting the lives of over 1,200 people
- Chapter growth and development
- Being part of something truly meaningful!
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MNSU: http://rso.mnsu.edu/engineerswithoutborders/

EWB National: www.ewb-usa.org

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