



International Centers for Appropriate
Technology and Indigenous Sustainability

iCATIS, NMSU, CEA (Comisión Estatal de Aguas de Queretaro)

Proposal

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Plan forward

- MOU for iCATIS, NMSU, CEA, etc.
- Water quality and census data for Queretaro ELP Communities
- Funding for pilot water project (500 ceramic filter systems in Queretaro households)
- Follow up studies and planning for future grant proposals and partnerships



Queretaro ELP communities' drinking water needs

- Community assessment (location, size, and census data) and water quality analysis – identify major water contaminants in the region at major wells and map water quality
- \$15k with Queretaro government assistance
- \$35k with no government assistance

Water filter pilot project

- Phase 1. 500 complete filter systems distributed to ELP households with a high risk for pathogen and turbidity contamination.



- 500 filter systems -\$20k plus \$5k (for distribution, community education, use and maintenance workshops). \$25k total

Water filter pilot project

- Phase 2. 500 filter systems plus 500 ceramic filters (for 1000 households) - \$20k



- Workshop training and materials to assemble the filter systems Mexican staff time to help build, sell, and distribute the 1000 filter systems -\$12k
- \$32k total

R&D an “add-on” assembly

- Develop a filter add-on product that addresses the major contaminants in the water (e.g. pathogens, toxic metals, etc.). Over a two year period, develop a manufacturable, laboratory tested filter add-on product. Start development as soon as major water contaminants are defined.
- Work in conjunction with NMSU clays lab \$64k

Budget Summary

- Grand Total: \$15k to \$35k + \$25k + \$32k + \$64k = \$136k to \$156k
- 1. Start with 500 households with Queretaro government involvement and existing data for pathogen/turbidity treatment. \$15 + \$25=\$40k
- 2. Start “add-on” R&D when prevalent contaminants are identified. = \$64k
- 3. Depending on Phase 1 results, fund phase 2, 1000 households = \$32k

Questions/ Discussions



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