

Senate Bill

Short Title:

Agency, Agent, or Individual Proposing: Engineers Without Borders

Requested Date of Resolution: 1 day of April

Proposing Individuals' Information:

Name 1: Sooraj Bhatia Title: Project Lead

Phone: (505) 312-3564 Email: Sbhatia@nmt.edu Campus Box: 3982

Student/Non-Student: Student Signature: [Signature]

To the Proposing Agency, Agent, or Individual:

Please attach a typewritten explanation of your needs and/or concerns in double-spaced 12-point format, placing a page number and title on the top of each page. Include all information necessary and pertinent to your argument. State exactly what action you would like the Senate to consider taking and by when you must have a decision. Please take in to consideration that the Senate meets approximately once every two weeks while classes are in session – a schedule is available from the SGA Secretary.

Please see the Manual for Drafting Bills to help fill this page out; it includes explanations and examples for each field. If you have any further questions, please contact the SA Vice President.

Student Government Association

OFFICE OF THE VICE PRESIDENT USE ONLY

Date Presented to the Vice President: 3/7/19 Initials of Receipt by Vice President: MD

Session of the Senate: () Fall (X) Spring/Summer of the calendar year 2019

Amount Approved: _____

OFFICE OF THE PRESIDENT USE ONLY

Presidential Signature: _____ Date: _____

Application for Senate Bills

Requesting Club/Agency: Engineers Without Borders

Classification: SGA Club Associate Club Sports Club Other

If an SGA club, what were your required volunteer hours (last semester): ~~100~~ 25

How many hours has your club fulfilled to date: 21

Please detail events where volunteer credit was earned:

Science Olympiad, Animal shelter, Halloween Interspecies Costume Contest

Requested Amount of funding: \$13,142

Event: Implementation Trip for Xolá water system

Location: Xolá, Guatemala

Event Dates: 8/1/19 - 8/15/19

Have you received funding from another source for this event: Yes No

If yes, how much: ~~\$13,308~~ \$5,500

From whom: Wells, Jaramillo, Rotary Club, ~~Fundraising~~

Have you fundraised for this event? Yes No

If yes, please detail the fundraiser and how much money was earned. Multiple

Benefit dinners over 3 semesters, raffle → \$7,828 earned.

If requesting funds for traveling please fill out below information:

Members Attending: Undergraduate: 6 Graduate: 0 Special: 4

Method of Travel: NMT Vehicle Personal Vehicle Plane Other

FOR ALL REQUESTING AGENCIES:

Please attach a ONE PAGE (12 pt. font) explanation for your funding request. This should include any additional information relevant to your request and an itemized budget with exact costs and explanations for all necessary items which may or may not include: Supplies and Materials, Services, Equipment, Travel, Registration, Etc.

7 March 2019

E.W.B. Reserve Fund Request

Engineers Without Borders USA builds a better world through engineering projects that empower communities to meet their basic human needs. Our highly skilled PE and student volunteers work with communities to find appropriate solutions for their infrastructure needs.

EWB-USA's International Community Program includes hundreds of infrastructure projects across the globe that are community-based, community-owned and community-maintained. The bill in front of you is a request for funds to help the New Mexico Tech chapter of Engineers Without Borders complete one such project. We have been working tirelessly to start the upgrade of a water system in the village of Xolá, Guatemala. The people there currently have access to only 3 hours or less of running water per day. We have designed a system upgrade that will at least double their access to water to 6 hours per day.

Our efforts have involved both engineering design and fundraising. With the help of professional engineers at EWB USA, in private industry, and faculty engineers here at New Mexico Tech, we have completed the technical design of the system upgrade. The members of our club have worked for almost 2 years to fundraise the money needed to complete this project. We have held 3 benefit dinners, countless bake sales, and a raffle. Additionally, we have written grants, asked private donors, and talked to Van Romero, Melissa Jaramillo, and President Wells. This semester, we are holding another benefit dinner, have partnered with ASME to fundraise through a golf tournament, and are doing a Socorro trash pickup fundraiser. However, it is yet uncertain how much money we will be able to raise through these efforts. Supposing that you approve the remaining funds needed, we propose that any surplus that we obtain from these fundraisers will be returned to the SGA.

7 March 2019

A more detailed break down is shown on the next sheet, but in approximate terms, we have fundraised a total of about \$9000. \$4000 has been committed by the municipality Xolá sits in. That brings our total available funds right now to about \$13,000. We need a total of about \$16,000 for construction, and \$1,200 for the fees due to EWB USA to cover the cost of their help.

Basically we need \$4,200 to cover all capital costs.

This does not include flights however, and as Project Lead, I implore you to consider giving us enough to cover flights as well. At least one member of our club has expressed to me their interest in going but a lack of financial capacity to pay for the flight. We are allowed to take about 10 people on our trip. The flights to Guatemala are about \$800 each, which brings the total for flights to \$8000.

Total approximate amount requested: \$12,000.

Exact total requested: \$13,328

(Discrepancy between approximate and exact totals are contained in the attached budget sheet)

S Bhatia 3/7/19

Sooraj Bhatia, EWB Project Lead

	BUDGET (PRE-TRIP)
Expenses	
DIRECT COSTS TRAVEL	
Travel + Logistics	
10	
Airfare (X people * \$726/ticket)	\$7,260 \$7,000
- Food (estimate is twice cost of assessment trip - \$680 x 2)	-\$1,320
Other Travel Expenses (Assessment vehicles in Guatemala were \$700, round up to \$1000 for estimate)	\$1,000
In-Country Logistical Support (\$195 for translator, \$195 for cook - x2 for estimate)	\$780
Travel and Logistics Sub-Total	\$9,040 \$8,000
DIRECT COSTS CONSTRUCTION	
Material	
Spring box, complete in place (for 4)	\$1,230
PVC pipe and fittings to connect spring box to existing collection line (for 4)	\$200
New 5 HP Pump and motor	\$3,500
Pipe, fittings and appurtenances for pump installation and connection	\$500
New electrical panels for 5 HP pump	\$1,000
New totalizing flow meter	\$500
2-inch galvanized steel pipe and fittings (for 1600 feet)	\$7,200
2-inch PVC pipe and fittings (for 1600 feet)	\$960
Disinfection System	\$750
Material Sub-Total	\$15,840
Labor	
Labor (for 30 man-days, assuming community can't provide enough for free)	\$390
Labor Sub-Total	\$390
Total Construction Costs	
Total Construction Cost	\$16,230
EWB-USA PROJECT FEE (calculated based on trip type)	
Owed by Chapter Sub-Total	\$1,200
Total Cost of Trip	
Total Trip Cost	\$26,470 \$26,338

Total Cost - Total Funds Available

\$13,009.58

~~Divide by 3~~

~~\$4,336.53~~

cost - funds we have = requested

$$\$26,470 - \$13,328 = \$13,142$$

↑
amount requested.

FUNDS RAISED	
Cash from community	
Cash from community (5% minimum of total construction cost)	\$4,058
% COMMUNITY CONTRIBUTIONS (Calculated)	25%
Chapter Funds in EWB Account	
Chapter Balance of Accounts (Finance Record on Volunteer Village)	\$3,519
Chapter EWB funds committed to other projects or expenses	\$0
Chapter EWB-USA HQ Funds Sub-Total	\$3,519
Chapter Funds not in EWB Account (Student Chapter Only)	
Total \$ at University	\$5,751
Total \$ At University Committed to other EWB programs	\$0
Chapter non EWB-USA HQ Funds Sub-Total	\$5,751
In-Kind Donations to EWB-USA	
Total Unreimbursed Travel Purchases by Chapter Members (Itemized)	\$5,808
Total Unreimbursed Material Purchases by Chapter Members (Itemized)	\$0
In-Kind Donations Sub-Total	\$5,808
Total Funds Available	
Total Funds Available	\$19,136

~~Without individual payment for plane tickets~~ Total : \$13,328