

Senate Bill

Short Title: EWB Reserve Fund Request

Agency, Agent, or Individual Proposing: Engineers Without Borders NMT

Requested Date of Resolution: 23 day of April 2019

Proposing Individuals' Information:

Name 1: Evelyn Byrd Title: NMT-EWB President

Phone: (505) 504-8754 Email: evelyn.byrd@student.nmt.edu Campus Box: 3887

Student/Non-Student: Student (UG) 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: 4/18/19 Initials of Receipt by Vice President: MD

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

Amount Approved: _____

OFFICE OF THE PRESIDENT USE ONLY

Presidential Signature: _____ Date: _____

E.W.B. Reserve Fund Request

Introduction

Engineers Without Borders USA builds a better world through engineering projects that empower communities to meet their basic human 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 800 people there currently have access to only 3 hours or less of running water per day, which is unsanitized. We have designed a system that will double their water access and sanitize it.

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 and it has been accepted by the national organization. We have also spent many more hours completing other reports. We have evaluated wider implications of our work to ensure sustainability and successful implementation.

On fundraising we have worked for 2 years towards this project. We have held 3 benefit dinners, bake sales, raffles, and done a trash pickup. Additionally, we have written grants, asked private donors, and talked to Van Romero, Melissa Jaramillo, and President Wells. Our last fundraiser this semester is a golf tournament, in partnership with ASME. However, it is yet uncertain how much money we will be able to raise. As such, we are asking for your help with the remainder of our costs.

Request Breakdown: (A detailed budget is shown on the next sheets.)

Costs:

Total project cost: \$24,270

After discussions with our mentors, we have identified two construction sections (meters and paid labor) that can be cut if absolutely necessary, which can bring our total costs to \$20,640.

Funds Raised:

The NMT EWB chapter has raised a total of \$11,114.27.

We convinced the local Guatemalan municipality to donate 25% of the construction costs, which based on the restricted construction design is approximately \$4,385.

So, in total we have \$15,499.27.

Flights:

However, the above does not take flights into consideration. We implore you to consider giving us enough to cover airfare as well because otherwise members who have been extremely involved and who will benefit greatly from the opportunity will be unable to go. We plan to take 10 people on our trip. *Flights to Guatemala are now at their lowest price we have seen, at \$620/person if we buy them ASAP, giving us a total flight cost of \$6,200.*

Final request:

Without flights, our deficit is \$5,140.73. (= Total costs - total raised = \$20,640 - \$15,499.27)

With flights, we need \$11,340.73. (= Project deficit + flights = \$5,140.73 + \$6,200)

However, we are aware of the financial restrictions of the SGA. **Thus, we are asking you to cover our remaining project costs and the cost for two flights, which is a total of \$6,380.73.**

Evelyn Byrd, NMT-EWB President

COSTS		
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
	<i>Meters</i>	\$3,240
	Pressure Break Tank	\$300
	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
	Direct-bury cable (for 1600 feet)	\$1,200
	2-inch PVC pipe for E99 (for 75 feet)	\$400
	Disinfection System	\$550
	Material Sub-Total	\$20,780
Labor		
	<i>Labor (for 30 man-days, assuming community can't provide for free)</i>	\$390
	Labor Sub-Total	\$390
Total Construction Costs		
	Total Construction Cost	\$21,170
	Total Construction Cost without meters/labor	\$17,540
In-Country Travel and Logistics		
	Food (2x assessment trip: \$660 x 2)	\$1,320
	Other Travel Expenses	\$1,000
	In-Country Logistical Support (2x (\$195 for translator, \$195 for cook))	\$780
	Travel and Logistics Sub-Total	\$3,100
Total trip cost (all parts of project)		\$24,270
Total trip cost (without meters, labor)		\$20,640

FUNDS RAISED as of 4/17/19	
Municipality: 25% of construction costs	\$4,385.00
EWB-USA Account (updated 2/28/19)	\$3,020.27
Student Club account	\$1,374
Melissa Jaramillo Fleming	\$1,500
President's Office	\$2,500
Rotary (April)	\$500
Trash Pickup	\$240
Individual Donor	\$1,700
Bodega donations	\$145
2018-2019 general fundraising page	\$135
Golf Tournament	?
SGA	?
Total without estimated municipality contribution	\$11,114.27
Total with estimated municipality contribution	\$15,499.27

Need without flights	\$5,140.73
Need with all flights*	\$11,340.73
Need with 2 flights*	\$6,380.73

*flights estimated at \$620 per person, with self-transfer of bags

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): 25

How many hours has your club fulfilled to date: 25

Please detail events where volunteer credit was earned:

Science Olympiad, Animal shelter, Halloween Interspecies Costume contest, Spring Fling

Requested Amount of funding: \$6,380.73

Event: Implementation Trip for Xolá water system

Location: Xolá, Guatemala

Event Dates: 8/5/19 - 8/16/19

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

If yes, how much: \$6,000

From whom: Dean of Students, Office of the President, Socorro Rotary

Have you fundraised for this event? Yes No

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

\$5114.27: benefit dinners, individual donors, raffle, food sales, fresh pickup

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.



Travel Funding Request

Budget Item	Total
Transportation	\$2,240
Lodging/Meals	\$2,100
Registration/Misc.	

Grand Total: \$4,240

Transportation (Vans, Gas, Flights, Rentals, Taxis)			
Items: Highest to Lowest Priority	Quantity	Price Each	Total
Flights 2 x \$	2	\$620	\$1240
In-country transport (van + driver)	N/A	\$1000	\$1000
		Total:	\$2,240

Lodging/Meals			
Items: Highest to Lowest Priority	Quantity	Price Each	Total
Food		\$1,320	\$1,320
Logistics - cook, translator		\$780	\$780
		Total:	\$2,100

Registration/Miscellaneous			
Items: Highest to Lowest Priority	Quantity	Price Each	Total
		Total:	

NOTE: these costs are already covered in the senate bill