



SERVE TO CHANGE LIVES
District Grant Final Report
2021-2022

This report must be completed and uploaded on matchinggrants.org within 30 days after completion of the project but no later than 2 years after the date of approval of the project. For scholarships, the report is due 30 days after payment of funds.

District Grant # P-4132

Rotary Club: **Greeley Centennial**

Project Title: **Guatemala Clean Stoves**

Project Description:

1. **Is this a scholarship governor's grant report?** Yes No (If yes, go directly to line 16)
2. **Briefly describe the project.** What was done and where did the project activities take place?
Explain how the beneficiaries and other community members were involved?

Application Narrative: This is a large scale multi-year project with the ultimate goal of building 3,000 "Justa" cook stoves in rural Guatemala by the end of 2022. Greeley Centennial Rotary and Sequim Sunrise Rotary clubs are partnering to help build 60 of those 3,000 beginning in early 2022.

Describe the benefit to the community and/or improve lives:

This project will actually support three "areas of focus" of Rotary International; Maternal and Child Health, Economic and Community Development and Environmental. The "Justa" stove burns less wood so is a benefit to the environment reducing greenhouse gases by more than a billion tons, burning less wood will allow for forests to be revitalized before permanent damage occurs because of deforestation.

The stove utilizes venting so as to prevent smoke related illnesses and because there is no open flame will provide for safe cooking preventing women and children from open flame injuries. Because the individual families are involved and StoveTeam's partnering with local entrepreneurs in Latin America to establish sustainable factories to produce fuel efficient stoves this provides both jobs and safety which helps economic development.

Sustainability:

Because StoveTeam's objective is to train local entrepreneurs in building and maintaining the stoves the materials needed to build the stoves are sourced locally and the cost is minimal it is sustainable.

Active Rotarian Involvement:

Each recipient family is involved in the construction of their Justa stove. Normally four volunteer trips happen each year and StoveTeam Intl encourages club participation in building the stoves however, because COVID is currently getting more severe in Guatemala as the country struggles with lack of testing and vaccines and given that volunteers could spread the Delta variant to communities in Guatemala who do not have access to the vaccine or to medical care, they are waiting until Spring 2022 to consider scheduling trips. Once StoveTeam is able to begin scheduling trips they will arrange for the clubs to participate in a work trip, until that time we will receive trip-related updates by signing in to StoveTeam.org/volunteer and StoveTeam's role will be to provide whatever communities are lacking to be able to provide stoves themselves. This means that they would provide funding to pay local people to manufacture all of the parts necessary to build each Justa stove and pay for local people to transport and build the stoves. Local Rotary clubs would not be directly involved in the construction of the stoves.

Total Project Budget: \$6,000

\$3,000 from each of the Greeley Centennial Rotary and Sequim Rotary Club, consisting of roughly \$2,000 club dollars with matching funds of \$1,000 from each of our respective districts, depending on fund availability.

Publicity Plan:

Greeley Centennial Rotary and Sequim Sunrise Rotary will write an article as the project progresses updating both the club membership and District 5020 clubs. It is our hope that we'll be able to travel to the site in 2022 so as to have photos of project construction. We will submit the article to the local newspaper as well as post to our Facebook, Instagram and Twitter feeds.

Both clubs are in the process of developing a Cooperating Organization MOU to formalize our collaborative partnership in this endeavor. Tom Hartig is scheduled to make a visit from Sequim, Washington, to Greeley, Colorado in late October 2021 to continue to build better relationships between the two clubs.

3. **How many Rotarians participated in this project?** Two Rotarians participated directly with the writing of the grant narrative and collaboration with our vendor, StoveTeam International.
4. **What did they do? Please give at least two examples.**
5. Rotarian Tom Hartig made a club visit from Sequim, WA, to Greeley, Colorado in October 2021. We are excited to have made face to face contact and to have made a banner exchange. We have partnered with Stoveteam International for the education and implementation of the stoves in Guatemala.
6. **How many non-Rotarians benefited from this project?** 60+

For the Greeley Centennial Rotary portion of this project, 30 families benefitted from the installation of clean stoves (see project pictures).

7. **Who are the beneficiaries and what is the expected long-term community impact of this project?**

This project a number of families living in rural Guatemala. The expected long-term impact includes the areas of Maternal and Child Health, Economic and Community Development and Environmental. The "Justa" stove burns less wood so there is a benefit to the environment reducing greenhouse gases by more than a billion tons, burning less wood will allow for forests to be revitalized before permanent damage occurs because of deforestation. The stove utilizes venting so as to prevent smoke related illnesses and because there is no open flame will provide for safe cooking preventing women and children from open flame injuries.

The process of building a Justa stove also includes an educational component, teaching the beneficiaries to "fish." Fifteen individuals were provided with the necessary tools, knowledge, and experience to replicate stove construction of additional stoves in the future.

8. If a cooperating organization was involved, what was their role?

This project has required collaboration between the Rotary Club of Sequim, WA, and StoveTeam International of Portland, OR. Our partners with the Sequim club have helped bring awareness of this need in the Guatemala area to our club. StoveTeam International has the resources and knowledge to help bring this project to fruition in a cost effective and efficient way, allowing us to stretch our club and district dollars to benefit even more families in rural Guatemala.

9. Income:

| Income Source | Amount |
|---------------------------------|-------------------|
| Greeley Centennial Rotary Match | \$2,334.90 |
| District 5440 Match | \$ 690.00 |
| Total Project Income | \$3,024.90 |

10. Expenditures: (number receipts starting with 1 and indicate a receipt # (s) for each expenditure) (Do not include travel expenses)

| Item # | Date | Description | Total |
|-----------------------------------|-----------|---|-------------------|
| 1. | 3/25/2022 | StoveTeam International Stove Prices (\$100.83, qty 30) | \$3,024.90 |
| Total Project Expenditures | | | \$3,024.90 |

11. Please explain any variance of more than 5% between the budgeted amount and the actual amount including the reason for the variance and why the alternative was chosen.

We were able to stay within the original budget for this project.

12. Project score (5=strongly, 4=agree, 3= neutral, 2=disagree, 1=strongly disagree)

| | Project Score | Comments |
|------------------------------------|---------------|--|
| The overall project was successful | 5 | Completed with positive results and within a reasonable timeframe. |

| | | |
|--|---|--|
| The grant process worked well | 5 | |
| My interaction with partner clubs was good | 5 | |
| We achieved the results we expected | 4 | We are off to a great start of our ultimate goal of 3000 stoves, having complete 60 stoves between the two clubs this spring 2022. |

13. **Did you upload photos in your project on matchinggrants.org under the Photos tab?** Yes

14. **What worked well on this project and why?**

This project helped build the start of a relationship between our two clubs in WA and CO. Our communication and the follow through from our partners at StoveTeam International was also timely and dependable. Ultimately, the project was successful as it supported the families in rural Guatemala with the resources to cook more cleanly, resulting in better air quality and health for mothers and families. Families also now have the tools to help their neighbors and community members with the creation of more clean stoves in the region, also resulting in higher levels of sustainability for this project.

15. **What did not work well and how would you suggest improving it?**

Next steps will include further collaboration with the Sequim club in creating an action plan and helping to promote the goal of 3000 clean stoves. It is a lofty yet attainable goal, if given a clear implementation timeline and action steps for promotion and partnership with additional clubs.

16. **How was this project publicized?**

Presentations have been made with our Greeley Centennial Rotary club and the Sequim Rotary club. We are planning a joint publication with our new friends from the Sequim club in the RI journal.

17. Scholarship Governor's grant only N/A

Project Inventory

Please list all items provided in this grant that are over \$500 in value and are not expendable.

| Item Purchased | Date of Purchase | Cost | Initial Destination/ Location | Comments |
|-----------------------|-------------------------|-------------|--------------------------------------|-----------------|
| N/A | | | | |

By signing this report, I confirm that to the best of my knowledge these District Grant funds were spent only for eligible items in accordance with Trustee-approved guidelines, and that all the information contained herein is true and accurate. Receipts for all grant-funded expenditures are attached. I also understand that all photographs submitted in connection with this report will become the property of RI and will not be returned. I warrant that I own all rights to the photographs, including copyright, and

hereby grant the District, RI and TRF a royalty free irrevocable license to use the photographs now or in the future, through the District and the world in any manner it so chooses and in any medium now known or developed. This includes the right to modify the photographs as necessary in the District's and RI's sole discretion. This also includes, without limitation, use on or in the web sites, magazines, brochures, pamphlets, exhibitions and any other promotional materials of the District, RI, and TRF.

Please attach all receipts or an invoice and a copy of the check used to pay the invoice. Funds over \$100 not used must be returned to the district grants treasurer.

Certifying signature of primary contact:



Date: **5/24/2022**

Print name: **Matt Thompson**

Expenses and Receipts:

Receipt #1

Justa Price 2022

Date of update

March 25, 2022

| Category | Bulk cost | Price Q | Price USD |
|---|------------------|----------------|------------------|
| Metal Parts | | | |
| Griddle, sacacenizas, portaleña - | | 300 | 38.46 |
| Chimney Set (3 aluzinc tubes, chimney hat + transport) - JA | | 90.5 | 11.60 |
| Alambre wire (1 lb. = 14 stoves) | | 0.7 | 0.09 |
| Rebar 0.25 cm | | 4.75 | 0.61 |
| Total Production Cost of Metal Parts = | | 395.95 | 50.76 |
| Ceramic Parts | | | |
| cuadrado largito + transport) | | 11 | 1.41 |
| Land Use (storage, cutting time, electricity) | | 1 | 0.13 |
| Total cost of Ceramic Parts = | | 12 | 1.54 |
| Promotional Parts | | | |
| Sign (incl. hook + rivet + 2 nails) | | 20.35 | 0.75 |
| Printing (Brochure + Maintenance Doc + plastic bag) | | 2.7 | 0.35 |
| Total cost of Promo Parts = | | 23.05 | 1.10 |
| Stove Builder Cost | | 82.5 | 10.58 |
| Supervisor Cost (5 builders @ 40 stoves / month) | | 17.5 | 2.26 |
| Material Prep Job | | 7 | 0.9 |
| Cost of Stove — no Admin/overhead | | 513.5 | 65.83 |
| Admin / Overhead Month of work | | | |
| Supervisor | 2000 | 156 | 20 |
| Overhead (machine repair, Office budget (rent/staff/u | 1000 | 78 | 10 |
| Transport | 500 | 39 | 5 |

Total Overhead 273 35

Total Cost Stove 787 100.83

Other costs (Stove recipient or municipality)

Stove Body

Bricks - 40-50

Cement - Half Bag

Sand

Stove Base

Blocks -

Cement - half bag