

2024

PODER Y LUZ



MAYA

Annual Report



During 2024, your support allowed us to make it a reality



2 New
Solar
School



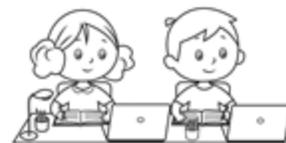
18 people with
solar lighting
kit



Support for 262
Micro
Businesses



250 trees
planted



199 young people
trained in
environmental
issues

2024 PROJECT HIGHLIGHTS

Mayan Power and Light NGO. Promotes community development through energy and innovative solutions that transform life in the agricultural communities of the Guatemalan western highlands.

SOLAR CENTER



Thanks to the financing of On The Ground Impact, we managed to install 2 photovoltaic solar centers in the communities of El Paraíso and Nápoles with a 1,650 watt system, these communities belong to the Queen Zone of the department of El Quiché, directly benefiting 587 students of the level pre-primary, basic, diversified and basic by maturity, as well as 26 teachers and 16 community leaders. In association with the New Sun Road Organization, 2 Digital Community Centers were installed in the communities of El Rosario Monte Maria and San Rabinac Grande in the municipality of Chicamán. The project is led by women from the communities, which operate with photovoltaic energy, providing access to training, access to the use of computers and satellite internet, these benefit approximately 1,325 families from the two communities.

Through our photovoltaic solar energy installations, we have achieved:

1. Reduce the carbon footprint by 0.73 metric tons of CO₂ in each benefited community.
2. The digital literacy process has begun for 587 children, adolescents and young people, using computer laboratories that run entirely on photovoltaic energy.
3. We promote community management so that local leaders can carry out projects that benefit the population and promote the development of their communities. One of the most notable achievements has been the request to the Ministry of Education to expand educational services, allowing children, adolescents and young people to access secondary education. During the execution of the project, we have also strengthened the leadership, participation and empowerment of women, promoting their active role in issues related to solar photovoltaic energy and community development.
4. With the installation of the two solar centers we contribute to energy efficiency and transition in rural areas of Guatemala to reduce the coverage crisis of this basic service.
5. Our solar centers promote and contribute to achieving the following Sustainable Development Goals in Guatemala:



To learn more about our projects, find us on our social networks

2024 PROJECT HIGHLIGHTS



WEAVING DREAMS

This year 2024, we implemented the Weaving Dreams Kemb'al achik' Project, aimed at female entrepreneurs from the different municipalities of Quetzaltenango, its objective is to promote entrepreneurial projects through theoretical and practical training. The project benefited 13 women from the municipalities of Olintepeque, La Esperanza, Llanos del Pinal and Las Majadas Quetgo. During its development, tools were provided to develop business plans and strengthen skills in the creation of artisanal products such as: soaps, shampoos and disinfectants; These activities allowed the participants to diversify the product offering in order to increase their economic income and that of their family.

Through the project “Weaving Dreams, Kemb’al achik’” we are contributing with:

- Promote the participation of women in entrepreneurship, facilitating their economic autonomy.
- The circular economy is promoted in the production of products, responsible use is made of the resources available in their communities.
- The participation of more women in productive activities that improve their quality of life and that of their families is encouraged.

This project is a significant step towards female empowerment and sustainable development in the most vulnerable communities of the department of Quetzaltenango for local economic reactivation and social well-being, hand in hand with the following development objectives:



SOLAR KITS

We benefit 2 families from the village of Pachaj Cantel and a community center in the Nuevo Amanecer community in the municipality of Quetzal San Marcos with solar kits. Families who lived without electricity for 15 years, with the solar kits now have lighting, cell phone charging and an AM/FM radio system. In the Nuevo Amanecer community, the solar kit was installed in a community center that functions as a nixtamal mill. This technology has transformed the conditions of the enterprise led by women in the community, since they start working daily at 4 in the morning. , and previously they used candles which made their work difficult, now they have reliable lighting, they eliminated the expense of purchasing candles and exposure to smoke.

Through the use of the kit, the following changes were evident:

- The use of candles, ocote and other smoke generators is avoided, improving air quality and the health of users.
- CO2 emissions associated with fossil fuels are reduced.
- Productive work hours and day and night hours increase.
- Improve the family economy by saving on the purchase of candles, a resource that can now be used for education or food.
- We contribute to the fulfillment of the following Sustainable Development objectives:



Facebook: <https://www.facebook.com/poderluzmaya>

2024 PROJECT HIGHLIGHTS



GREEN ENTERPRISES

This year 2024, through the “Micro-enterprise” diploma, 249 Microbusinesses were trained led by low-income indigenous women from the municipalities of Quetzaltenango, Almolonga and La Esperanza, investing a total of 92 hours, providing them with tools and knowledge in basic finances, sales, marketing and strategies to improve your income and contribute to your family's economy.

The graduate contributed to:

- Provide the opportunity for women to create businesses that help them escape poverty or avoid falling into extreme poverty;
- The circular economy of the businesses served is promoted;
- The Diploma turns entrepreneurship into decent jobs that improve the quality of life of entrepreneurs and reactivate the local economy;
- Through the Diploma we manage to strengthen the self-esteem of entrepreneurs from the perspective of a business vision and economic strengthening through their business plan.
- With the Project we manage to contribute to achieving the following Sustainable Development Goals:



GENERATIONS OF CHANGE

This year we managed to raise awareness and sensitize 199 adolescents and young people and 7 teachers from the municipalities of Olintepeque, San Mateo, Almolonga and Quetzaltenango, on issues of climate change, environment and eco-technologies, investing more than 61 hours of training.

During the implementation of the Project the following aspects were achieved:

- Participation and organization of young people to create a mural about caring for the environment in the municipality of Olintepeque.
- Two reforestation days were carried out in the municipalities of Olintepeque and San Mateo, with these activities contributing to the recovery of forests affected by forest fires.
- The adolescents and young people who participated in the project process replicated the knowledge they acquired with other young people and shared their experience in the reforestation days.
- Reduction in the gender equity gap in contents of climate and environmental changes, design, use and exploitation of eco-technology

With this training process we manage to contribute to the following Sustainable Development Goals:



Instagram: @Poderyluzmaya

Featured action 2024

- We managed to certify our Generations of Change project by the General Directorate of Accreditation and Certification of the Ministry of Education of Guatemala, which ensures the quality of training provided to adolescents and young people on issues of the environment, climate change and ecotechnologies.
- We managed to establish an institutional collaboration agreement with the Municipality of San Miguel Uspantán, which has a 2-year effect. This agreement allows us to continue supporting more Solar Center projects for communities that do not have access to electrical energy.
- We were taken into account at the meeting of the coalition for Rural Electrification in Guatemala, organized by the Ministry of Energy and Mines MEM, this space was key to identify strategic actors and explore possible alliances that will contribute to the execution of the Solar Centers project.
- An analysis of water samples from the VF-100 filter was carried out, taking residential samples from 2 distribution sources: 1) Municipal Distribution Network, supplied by well and 2) Municipal Distribution Network, supplied by water source in the municipalities of San Pablo la Laguna, San Juan la Laguna and Santa Lucía Utatlán, the result of the test analysis dictates that the VF-100 filter after 4 years of continuous use still meets the requirements established by the standard COGUANOR NTG 29001 for the physical and chemical characteristics of safe water for human consumption in Guatemala.

Photo Evidence 2024



Linkedin: Poder y Luz Maya.

2024 Community Comments

Message about the Solar Centers project, (Community of Nápoles, Reyna Quiché Zone)

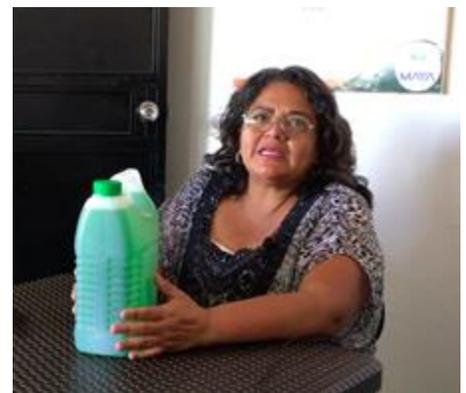
As a computer teacher in the community of Naples, I feel happy because today we stopped using the power generating plant, this is thanks to the NGO Poder y Luz Maya for the project they executed in our community, which is very helpful. benefit because now we no longer have to worry about buying gasoline, about the noise caused by the plant, I feel very satisfied because this project will allow me to teach classes much better. Now we will be using the computer laboratory through solar panels, these types of projects will benefit the children, adolescents and young people of Naples and will also benefit future generations and communities surrounding ours, the only thing I can say is Thanks to everyone who made this project possible, this dream come true of having energy in our institute and investing in the education of our young people, since with this we can continue promoting the development of our communities and improve the educational conditions that our students receive. students.



Cecilia Che Caal
Computer teacher

Message about the Weaving Dreams project. (Entrepreneur from the municipality of La Esperanza)

I am grateful for the opportunity they gave me to participate in this process. Thanks to this experience, I have acquired knowledge about how to make plant-based products. We learned how to create anti-dandruff and hair loss shampoo, as well as soap and disinfectant, using plants and available resources. that we have at our disposal. These projects teach us how to take advantage of natural products and provide us with tools to start new ventures. Personally, I consider that this course has been very interesting and enriching. I am very excited to start promoting my new venture, especially at a time when finding Employment has become a great challenge, especially for women. This type of process not only allows us to identify new ideas to diversify our initiatives, but also offers an opportunity for women to generate their own income to improve the quality of life of their families. Thank you again for doing this. possible.



Emprendedora
Aura Leticia Hernández

Community Support

In the community of El Paraíso, in the municipality of San Miguel Uspantán, we met Professor Humberto Chup Caac, whose leadership stands out significantly, he is very committed to the participation of women and the education of his community, his wife is a member of the women's group of El Paraíso, has also been key in this effort, during the training carried out on photovoltaic solar energy, self-esteem and leadership, a strong participation and involvement of women in the community was evident, these activities have strengthened their knowledge; Both the professor and his wife have promoted other initiatives to benefit the women and girls of El Paraíso, however they faced challenges due to the lack of electricity, which makes it difficult to prepare and submit applications for new projects, now, with the implementation of solar energy in the establishment will be able to write and print applications, opening the door to new projects that will benefit the entire community.

“We are facing a very challenging climate crisis, however few people and organizations are committed to Environmental education and reforestation, key actions to balance our relationship with nature, therefore, it is essential to join initiatives such as the Power and Light Project. Maya that seeks to identify and promote actions to reduce the use of plastic bags and other pollutants, by joining efforts, we can achieve great changes and move towards a more sustainable future.”

Words from Moisés de León Cifuentes, Mayor of the municipality of Olintepeque, Quetzaltenango.

Our Allies



Support us to serve from a distance. Donate at www.poderluzmaya.org



2024 Finance

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Field Technician

GABRIELA RUIZ
Field Technician

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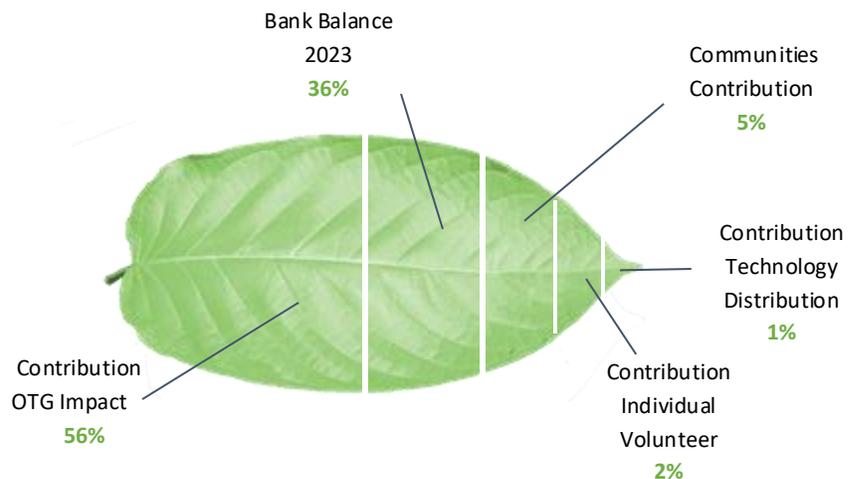
CAROLINA GONON
Vowel I

EVERILDA PEREZ
Vowel II

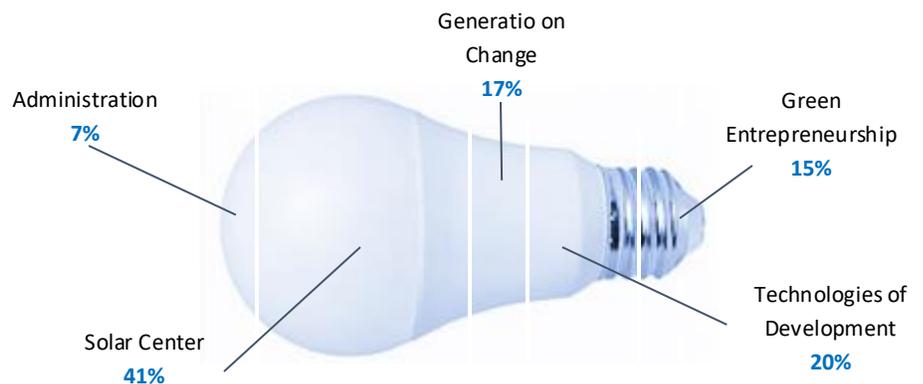
DARWIN ROMERO
Vowel III

MARILENA CHOGUAJ
Vowel IV

INCOME	
Bank Balance 2023	Q.203,451
OTG Impact Contribution	Q.315,700
Contribution Individual Volunteer	Q. 14,378
Contribution Technology Distribution	Q. 4,251
Communities Contribution	Q. 28,500
TOTAL	Q.566,280



BILLS	
Administration	Q. 41,103
Solar Centers	Q.220,337
Generation of Change	Q. 83,659
Green Entrepreneurship	Q.110,939
Technologies of Development	Q. 95,455
TOTAL	Q.551,493



Support to increase the impact in 2025, contact us at info@poderluzmaya.org