

EFICO FOUNDATION SOLAR PANEL AND LAMP PROJECT

Guatemalan Women Coffee Association



FINAL REPORT

DONATION RECEIVED ON FEBRUARY 12, 2015 FROM EFICO FOUNDATION

- 12,460.00 EUROS WHERE DEPOSITED INTO OUR DOLLARS ACCOUNT
- \$13,706.00 DOLLARS THE EXCHANGE RATE WAS : 7.65 QUETZALES PER DOLLAR
- 104,924.64 QUETZALES TOTAL FOR THE PURCHASE OF SOLAR PANELS AND LAMPS
- 21,970.36 QUETZALES WAS ALSO ALLOCATED BY THE WOMENS COFFEE ASSOCIATION OF GUATEMALA

TOTAL: Q 126,895.00

- THE COST OF SOLAR PANELS WAS: Q 1,555.00 EACH
- THE COST OF SOLAR LAMPS WAS: Q 325.00 EACH

AMOUNT OF SOLAR LAMPS AND PANELS PURCHASED

- **TOTAL RESOURCES: Q 126,895.00**
- **TOTAL SOLAR PANELS PURCHASED: 49**
- **TOTAL SOLAR LAMPS PURCHASED: 156**
- **TOTAL EXPENSE: Q 126,895.00**
- **TOTAL BENEFICIARIES: 1,307 PEOPLE**

DISTRIBUTION OF SOLAR PANEL/LAMPS
REGION 1
QUETZALTENANGO, SAN MARCOS

Farm	#Solar panels	Solar lamps	Beneficiaries
• Fecceg	2	6	36
• San Casimiro	2	4	29
• Nueva Delfina	2	4	34
• Santa Anita		2	11
• El Plantanillo/Nuevo Mundo	4	17	78
• Las Casas	6	1	42

REGION 2
SUCHITEPEQUEZ, RETALHULEU, SOLOLA, POCHUTA Y
CHIMALTENANGO, EL PALMAR Y QUETZALTENANGO

Farm	#Solar panels	Solar lamps	Beneficiaries
• Patzibir	5		25
• Camache	3		23
• Esperanza	2		11
• Los Andes		17	105

REGION 3
GUATEMALA, ESCUINTALA,, SACATEPEQUIZ,
EL PROGRESO, CHIMALTENANGO

Farm	#Solar panels	Solar lamps	Beneficiaries
• La Cumbre	4	3	33
• De Dios	1	12	54
• San Agustin Las Minas	3	10	

REGION 4
SANT ROSA, JALAPA, JUTIAPA

Farm	#Solar panels	Solar lamps	Beneficiaries
• Aguacates	2	4	28
• Santa Ana	2	5	35
• La Nueva Era Xinca		10	57
• El Aceituno	4	17	72
• Los Alpes	2	15	95
• Arbelia		10	50

REGION 5
HUEHUETENANGO, QUICHE

Farm	#Solar panels	Solar lamps	Beneficiaries
• La Bolsa		16	66
• Paternal	2	1	23

REGION 6 COBAN, ALTA VERAPAZ

Farm	#Solar panels	Solar lamps	Beneficiaries
• Capuchino	3	2	400 (school)

- **Total solar panels distributed: 49**
- **Total solar lamps distributed: 156**
- **Total beneficiaries: 1,307 people**

DISTRIBUTION OF SOLAR PANEL AND LAMPS



SCHOOL KITCHEN WITH SOLAR PANEL



STUDYING AND READING WITH SOLAR ENERGY



PANELES Y LAMPARAS SOLARES







SUMMARY

- In general all the families who received a solar panel or a solar lamp have reported that their children are able to do their homework at night time and are better prepared for school. They no longer spend their money on buying kerosene, batteries or candles which enables them to purchase more household goods, school supplies and other necessities.
- Even though it is too early to tell there will be changes in their health situation since they will have less respiratory problems from not breathing kerosene or smoke from fires which they used as light and the children will suffer less eye straining and irritation.
- The families also have a sense of security after sunset, not only regarding to snakes and other animals but also with regard to thieves.

SUMMARY

- Solar panels/lamps are safe, clean and economical. The outcome of the use of solar light can be demonstrated in the wellbeing of the families, health, social interaction, education, finances and the feeling of security it provides during night time.
- Solar panels/lamps also improve the environment since the families no longer utilize kerosene or use wood fire in order to have light within the home.
- Solar panels/ lamps also decrease the incidence of fires which are caused by leaving a candle lit at night time.