

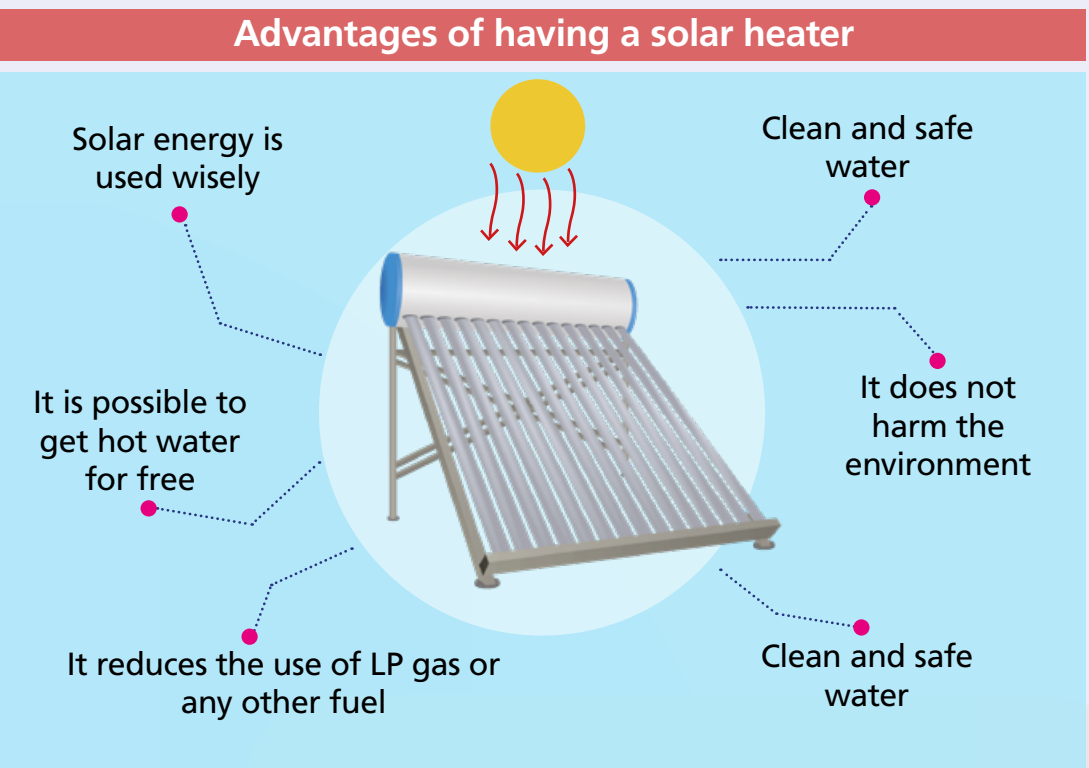
## CMT encourages the use of ecotechnologies to help the most vulnerable people and to protect the environment

The use of ecotechnology like solar heaters, means a positive impact on the environment. They are also beneficial to the health of many families living in vulnerable conditions, as they allow families to have hot water through safe, free of charge, and clean procedures.

The use of ecotechnology means a big opportunity for the environment and the life of human beings as it has a positive impact on the planet. It is important to mention that by using and managing natural resources wisely, we can benefit from their positive effects.

Ecotechnology is a set of techniques that guarantee the use of natural resources with clean procedures. Some of the natural resources that we can take advantage of are: water, electricity, gas, wind, and temperature.

Water is a vital liquid, which is also indispensable for human living and for basic household activities like bathing; flushing the toilet; washing clothes, dishes and meals; and also, to perform other activities that must be done inside and outside the house.



Based on statistics, in Mexico we find 185 thousand 243 rural communities and 4 thousand 189 urban communities, according to information in the Population and Housing Census 2020. Most of the people in rural communities face social shortening due to their geographical location. In addition to that, many of them do not have access to basic services.

In areas where LP gas cannot be delivered, they are only able to use stoves or fire to get hot water and to cook their meals. Then, this option becomes an opportunity for families to get benefits from natural resources like solar energy. By using solar heaters, they also get protection against pollution because fire causes damage to their health.

### The price of LP gas is a knock out for the Mexican economy

Families who are able to have LP gas at home, and it is their only way to have hot water at home, are being economically affected because a 30 kilograms gas cylinder is not enough for a month for families with 3 or 4 members. The average price is \$658 pesos, but it may vary for some pesos in different areas in the country; as mentioned by the Energy Regulatory Commission (CRE).

Mexican families in the South of the country, where poverty and social shortening may be found easily, have a monthly income of about 11 thousand pesos. That amount is not only for buying LP gas, but also for health expenses and to buy a basic food basket; as revealed by the National Survey on Incomes and Expenses in Household (ENIGH), which makes economic welfare of families even more difficult to get.

### Solar heaters

Solar heaters are devices that turn solar energy into heat. That is to say, solar energy is transformed into heat, and it is used to heat water through a clean and efficient procedure.



#### SUMARY

Congregación Mariana Trinitaria (CMT) has benefited thousands of families through its Network of Environment for almost 25 years. In addition, it has contributed to the preservation of the planet as well as the health and the economy of vulnerable people. This way, it was possible to use technology and natural resources in prosperous ways.

Having ecotechnology at home is an option for rural communities that are not able to have gas delivered there. By using a solar heater, they can use free energy, and in addition to that, they do not harm the environment in the way stoves or fire do. Another advantage of solar heaters is that families can use hot water all day long because the technology in the heaters is able to keep solar energy, and approximately 80 percent of it may be transformed into thermal energy.

### CMT encourages ecotechnology

Congregación Mariana Trinitaria (CMT) developed a Welfare Model with 11 Networks including the Network of Environment, as we are aware that pollution in the planet affects the environment and the health of human beings.

The simple fact of a family living in vulnerable conditions trying to get wood every single day becomes a tedious and difficult process. Besides, it may have negative consequences on the health of the people in charge of doing those kinds of activities.

Thanks to the social programs promoted by CMT to combat the environmental problems, which are a result of the severe degradation and the climate change in the planet, thousands of families were able to get a solar heater through subsidies. This way, vulnerable families find positive solutions to their living conditions and on the way, they also protect their health and their families, just by leaving fire behind and replacing it with ecotechnology.



Thanks to the social programs promoted by CMT to protect their health and their families, just by leaving fire behind and replacing it with ecotechnology.

