



IMPACT SUMMARY 2022 PANAMA



In 2022, **acciona.org, The Energy & Water Foundation**, continued and extended its activity of bringing access to electric energy to very-low-income communities without prospects of having supplied those needs in Panama. Through this work, acciona.org increased its impact on the three dimensions of the development –economic, social and environmental–, **being aligned with the UN’s 2030 Agenda for Sustainable Development and contributing to the achievement of its 17 Goals.**



acciona.org reached **more than 16,548 people benefited with affordable, sustainable, reliable access to the electricity basic service in 2,919 households** through third generation solar home systems with prepayment.



These people, living in poverty and extreme poverty, **saved 69,647 balboas in alternative energy elements and could spend more than 1.19 million additional hours in their daily activities due to having electric lighting, as well as avoiding going to get energy elements.**



More than 6.4 million hours of available electric lighting reduced diseases due to smokes and not-enough lighting brightness from candles, kerosene, firewood, etc. and reduced the risk of fire too.



About **9,000 schoolchildren used 378,055 additional hours to do their homework.** This increases their permanence in primary school and their continuity in secondary school, helping them to reach higher educational levels that favor access to more qualified and better paid jobs. Their poverty situation will improve in the long term.



About **83 women participated in the representative committees promoted in every community** and are part of the 3,690 female users who developed more easily their daily tasks (paid or not), besides almost 1,900 girls who did their homework with adequate lighting. In addition, **1 woman in charge of her shop in a rural and indigenous community offered supplies and services** to the surrounding communities.



6 micro businesses franchised to local small sized entrepreneurs to offer devices and services related to the systems provided, besides the electricity supplied to users with small businesses at their homes, contributed to employment and economic growth in the attended communities.



acciona.org continued the implementation of its **innovative service delivery models**, which are adapted to every operation area. They are based on the installation of solar home systems with prepayment and the promotion of micro businesses to offer related services.



acciona.org **increased the number of rural and indigenous population to which it had brought access to basic services, having reached 83 communities.** It continued thus mitigating inequalities between urban and rural areas, by reducing rural and indigenous underserved population in Panama.



The total of solar home systems in operation **avoided the emission of more than 980.86 t CO₂ and the use and non-controlled disposal of 14.60 t batteries** due to the use of efficient lamps and electric devices connected to those systems.



acciona.org collaborated with the Spanish Cooperation, National Secretariat of Science, Technology and Innovation (Senacyt) of Panama and local, regional, and country authorities in Panama. **It developed its activities with other public and private entities, as well as other organizations with the same aim**, such as those in the Table on Universal Access to Energy, the Latin American Platform of Sustainable Energy and Equity (PLESE) and the Alliance for Rural Electrification (ARE).

