



## PROJECT AT-A-GLANCE

Delivering the transition to energy efficient lighting in Chile

### GEOGRAPHICAL SCOPE

Latin America and the Caribbean

Chile



For more information, please visit:  
[www.united4efficiency.org](http://www.united4efficiency.org)

**TARGETED PRODUCT**



**Lighting**  
**GEF project ID 5150**

STATUS **ACTIVE**

### TEAM LEADERS

**Paul Kellett**  
 (U4E Program Manager)  
 paul.kellett@un.org

**Roberto Borjabad**  
 (U4E LAC)  
 roberto.borjabad@un.org

### PARTNERS

Philips Lighting; National Lighting Test Center, China (NLTC)

STARTING DATE CLOSING DATE  
**MARCH 2016 JUNE 2019**

### OTHER EXECUTING PARTNERS

Fundación Chile, Ministry of Energy

### TOTAL PROJECT COST



**\$ 9.42 million**

GEF grant and co-financing

### DONOR

Global Environment Facility (GEF)

### IMPLEMENTING PARTNER

United Nations Environment Programme



## KEY ACHIEVEMENTS TO DATE

**website**  
 to motivate consumers to switch to LEDs.  
 The website includes LED discount vouchers, energy efficiency tips and savings calculators as part of a consumer awareness raising campaign encouraging a nation-wide switch to climate-friendly and energy-efficient LED lighting.

**More than 11 LED demonstration programmes**  
 developed under the project framework reaching around 1,5 million LED bulbs sold in the market, with a significantly decrease of the LED price in the Chilean market of a 75% between 2016 and 2019.

The first demonstration programme was implemented in 2 communes in Santiago where 40,000 LED bulbs were sold between at a price 60% lower than retail stores. Sales channels included LED truck store, project communication campaign web site and utility e-commerce. More information at: [www.cambiaelfoco.fch.cl](http://www.cambiaelfoco.fch.cl) and [www.tiendaenel.cl](http://www.tiendaenel.cl)



Public schools campaign promoting energy efficient education in the country. Campaign smart energy tips taught to the entire school community reaching 147 schools and 73,910 students, teachers, and other education professionals.



LED lighting could save the country **33%** of its lighting electricity consumption in Chile.



Monetary savings can reach **\$480 million** annually in 2030 and cumulative saving of **\$4.5 billion** from 2020 to 2030.



**1.2 megatonnes** of CO<sub>2</sub> avoided annually



## THE CHALLENGE

The National Efficient Lighting Strategy 2013 – 2017 (ENIE) was developed by the Ministry of Energy with UN Environment U4E-en. lighten support. This GEF project will expand assistance to Chile to support implementation of the National Efficient Lighting Strategy and transform the lighting market to save energy through efficient lamps. The project will help Chile to face barriers and gaps related to a lack of technical knowledge on cost, benefits and environmental aspects of lighting products, regulations regarding sustainable management of lamp residues and consumer awareness of the benefits of LEDs.

Additionally, the project will help the country to achieve the objectives of its National Energy Efficiency Strategy by strengthening the capacity of the Government of Chile, raising awareness among consumers and interest of lighting industry key players about efficient lighting technologies.

## WHAT WE DO

The Centre of Excellence provides recommendations, technical guidance, and efficient lighting expertise to assist countries in the shift to energy efficient lighting and also to support the country in the implementation of an environmentally sound management system for the spent bulbs.

The project aims to promote the rapid uptake of high energy efficient lighting technologies through the transformation of efficient lighting products markets, thereby reducing electrical demand and consumption and the related greenhouse gas (GHG) emissions.

The project seeks to achieve three main outcomes:

- Strength monitoring, verification, and enforcement (MVE) capacities to ensure an effective transition to efficient lighting markets,
- Ensure an environmentally sound management and sustainable transition to efficient lighting
- Accelerate the use of solid state lighting (including light emitting diodes (LEDs) and controls)



## UN ENVIRONMENT'S ROLE



United for Efficiency provides developing and emerging economies through their in-house experts and specialized partners with tailored technical support to transform their markets by accelerating the adoption of energy-efficient lighting, appliances, and equipment. Currently it is present in more than 30 countries worldwide. Based on each country's circumstances, United for Efficiency works with any of the following products: lighting, refrigerators, room air conditioners, motors and transformers - 5 products that together consume over half of the world's electricity.

By following United for Efficiency's Integrated Policy Approach and covering crucial elements from the transformational pathway, such as Standards and Regulations; Labelling and Communication strategies; Financial Mechanisms; Monitoring, Verification and Enforcement; and Environmental Sound Management, countries achieve a lasting market transformation, allowing monetary savings on their utility bills, helping businesses thrive through greater productivity, enabling utilities to meet growing demand for electricity, and assist governments in reaching their economic and environmental ambitions. Such support is available at three levels: Global, Regional and National providing several tools and resources to support committed countries in their efforts, such as Policy Guides, multiple assessments (country level, street lighting, etc), regional policy roadmaps and harmonization process recommendations, development of training for policymakers and practitioners and National Action Plan implementation support.

