

USAID MUNICIPAL CLIMATE CHANGE STRATEGIES PROJECT

TEARCE

REPLACEMENT OF
TRADITIONAL STREET LIGHTS
WITH ENERGY-EFFICIENT
IN THE PUBLIC LIGHTING
SYSTEM IN TEARCE



PRIMARY OBJECTIVE: Municipal stakeholders better prepared to cope with local climate change challenges

PERIOD OF PROJECT IMPLEMENTATION: September 2012 - February 2017

FUNDER: U.S. Agency for International Development (USAID)

IMPLEMENTER: Association for Sustainable Development Milieukontakt Macedonia

TOTAL PROJECT BUDGET: 2.800.000 US Dollars

The USAID Municipal Climate Change Strategies Project implemented by the Association for Sustainable Development - Milieukontakt Macedonia, aims to strengthen civil society, raise awareness, boost citizen activism and increase resistance to climate change on local level.

Using the unique methodology - Green Agenda, this project unites civil society organizations, citizens, the private sector, and municipal authorities, to develop a consensus based strategy and action plan for coping with climate change.

USAID and Milieukontakt Macedonia support municipalities to adapt to and mitigate the effects of climate change. By implementing pilot projects and urgent actions in partner municipalities the project improves local resilience to Climate Change.

PROJECT FACTS

URGENT ACTION IN TEARCE

Replacement of
traditional street lights
with energy-efficient
in the public lighting system
in Tearce



PROJECT COMPONENT: **Pilot Projects and Urgent Actions**
OF THE URGENT ACTION: **Energy efficient street lighting to reduce
electricity consumption and reduce GHG
emissions - Measure for mitigation of Climate
change**

Target settlement: **Tearce**
Total Population: **22.767**

LOCAL PARTNERS: **Municipality of Tearce and Center for Education
and Development - Tearce**

USAID contribution: **841.710 Denars**

MUNICIPALITY contribution: **In kind: Staff replaced the old with new light
bulbs and provided transport of the crew to all 13
settlements in the Municipality of Tearce**

YEAR OF IMPLEMENTATION: **2013**

ACTIVITIES:

- Procurement of new energy efficient light bulbs
- 1.116 mercury light bulbs removed and replaced with energy-efficient bulbs
- Effective Timeline street light timers

EFFECTS:

- CO2 emissions reduced by 25%
- Return of investment in 4 to 5 months
- Annual savings of 287 937 kw/h
- Annual financial savings 57.34 %