

Sustainable Energy Forum for East Africa (SEFEA)

Session II: Creating an energy efficient
lighting and appliances market in the EAC

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COPENHAGEN CENTRE
ON ENERGY EFFICIENCY
SEforALL EE HUB

FOCUS AREAS

Our mission



Knowledge & Learning



Energy Efficiency Implementation



Vocational Training



District Energy Systems (DES)

The Copenhagen Centre on Energy Efficiency (C2E2), is dedicated to accelerating the uptake of energy efficiency policies and programmes at a global scale.



Image: UN City. Source: @UNCityCPH

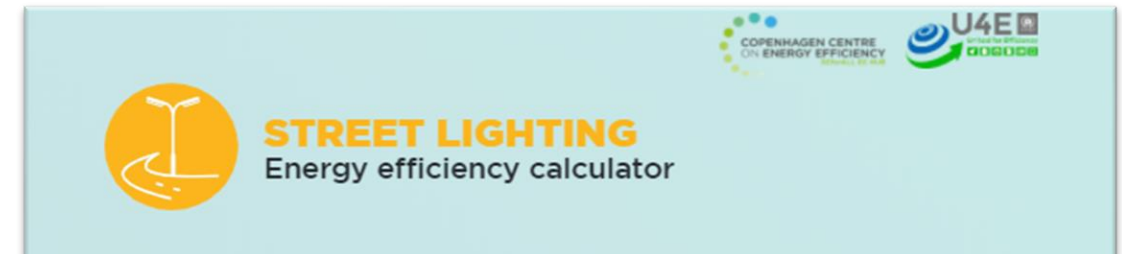
Success cases on Energy Efficiency Lighting

Argentina: An Innovative Business Model and International Assistance to Replicate Success



The LED street lights start to arrive in the nine municipalities that made a bundled purchase through an innovative business model.

Southern African Country: Energy-Efficient Street Lighting Assessment results attracting African Development Bank and World Bank



Annual Savings from Total Conversion to LED Street Lighting

	<i>Without Controls</i>	<i>vs. BAU*</i>	<i>With Controls</i>	<i>vs. BAU*</i>
Electricity savings	17 GWh/yr	31% ↓	29 GWh/yr	52% ↓
Financial savings <small>(Running + Maintenance Costs)</small>	5 million \$/yr	31% ↓	8 million \$/yr	51% ↓
CO ₂ savings	17.3 Mtonne/yr		28.6 Mtonne/yr	

*BAU= Business As Usual

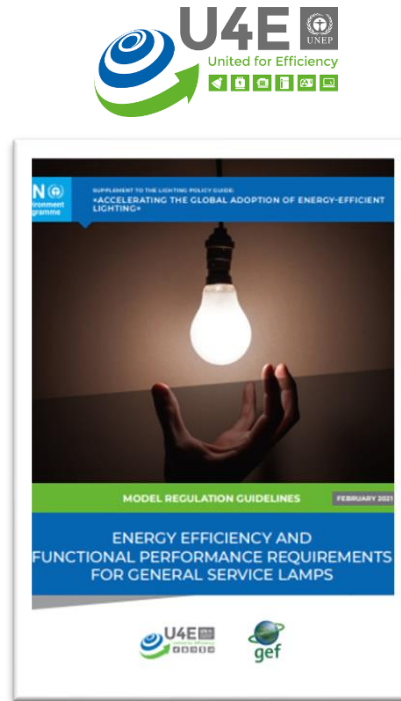
Investment
\$ 9,854,723

Payback period
1 years

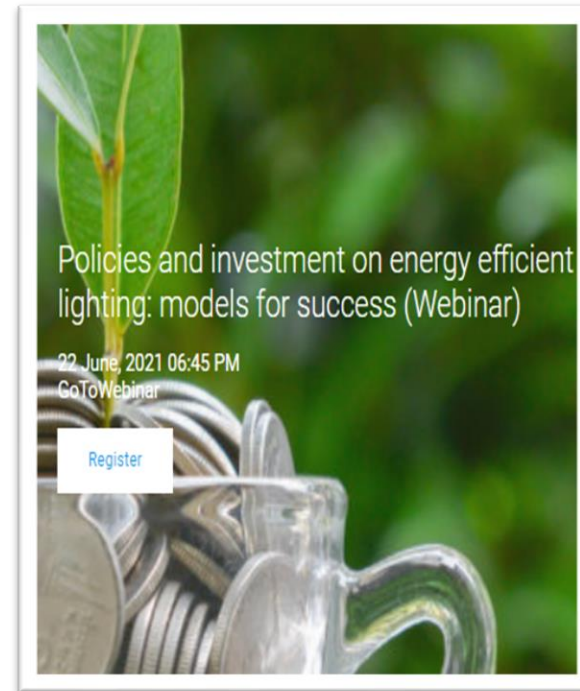
Other streams of work



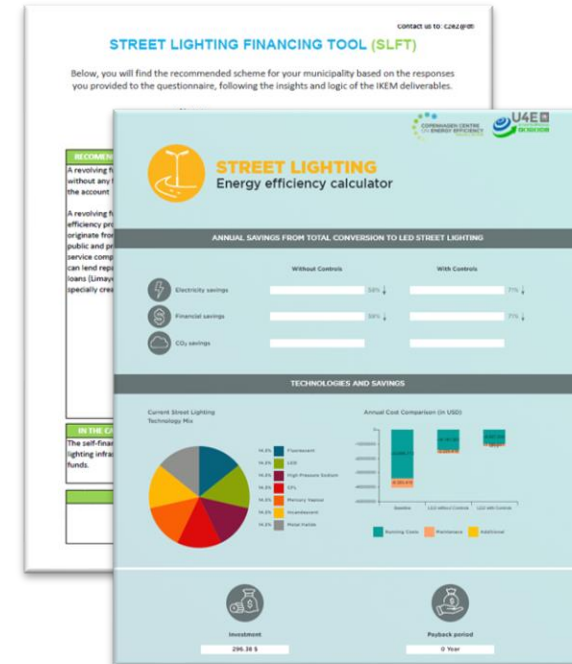
Country and city briefs



Policy advice



Webinars & eTrainings



Online tools



Thank you for your attention

<https://c2e2.unepdtu.org/>

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Links

Argentinian case

- <https://c2e2.unepdtu.org/wp-content/uploads/sites/3/2021/01/argentinian-cities-shift-to-efficient-street-lighting-an-innovative-business-model-and-international-assistance-to-replicate-success.pdf>
- https://c2e2.unepdtu.org/kms_object/argentinian-cities-shift-to-efficient-street-lighting-an-innovative-business-model-and-international-assistance-to-replicate-success/

Tools

- https://c2e2.unepdtu.org/kms_object/street-lighting-financing-tool-slft/
- https://c2e2.unepdtu.org/kms_object/street-lighting-energy-efficiency-calculator

United for Efficiency (U4E)

- <https://united4efficiency.org/resources/publications/>
- https://united4efficiency.org/wp-content/uploads/2021/02/U4E_Model_Regulation_Lighting_Supporting-Doc_Final_210201.pdf