**LED Street Lighting**

**Expected project CAPEX:** 65'000 €

**Mandating Authority:** Donegal County Council

**Summary**
Replacement of existing high energy use street lights with modern low energy LED lights. The project includes 200 lights to be replaced in each of the five Municipal District areas.

**Location and population**
Various Towns throughout Donegal, Ireland

**Social and environmental impact**
This project will result in reduced energy use and better quality public lighting for general public.

**Main stakeholders**
Donegal County Council - Local authority with responsibility for a range of services in County Donegal, Ireland.

**Mandate Letter**
Donegal County Council, County Donegal, Ireland is committed to taking concrete action and to be an active partner in working to deliver the climate objectives committed to by the 175 signatory nations of the Paris Agreement. Low carbon, climate resilient and sustainable development is amongst the very highest of our priorities. For these reasons, we hereby adhere to the R20 Charter supported by the Assembly of European Regions and we confirm that we share the values and objectives that this document describes.

We welcome R20’s initiative to work alongside government, industry and investors in accelerating the emergence of low carbon climate resilient infrastructure projects. We hereby mandate R20 in cooperation with the Assembly of European Regions of which we are a member, to explore opportunities for the development of such projects within our city/region, specifically and not confined to the following:

- **Project 1:** Hydro - Tidal Renewable Energies
- **Project 2:** LED Street Lighting

We confirm that these projects and any projects that may subsequently identify in reference to this mandate, are part of our sustainability strategy and contribute to our intended nationally determined contribution (INDC). In support of the mandate conferred by this letter, we hereby commit to work as an active partner alongside R20, the Assembly of European Regions and its partners in the design, financing and implementation of these projects.

Yours sincerely,

[Signature]

Director of Community, Enterprise & Planning Services
County House
Lifford
County Donegal

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100 Climate Solutions Project Campaign ~ 2016
Project maturity (IFC / World Bank Categories)

STAGE 1: Concept Development, Site identification
Number of Lighting points: 1000
Mapping of the street lighting system: YES
Current installation
Expected energy / expenses savings
Anticipate 5 year payback

STAGE 2: Pre-Feasibility Studies
Pre-feasibility study
no

STAGE 3: Feasibility Studies
Feasibility study
no

STAGE 4: Permitting / Financing / Contracts
Contract with municipality
yes
Building permits signed
no
Environmental impact study
no
Identified sources of fundings

STAGE 5: Engineering/Construction/Commercial Operation
Engineering, Procurement and Construction Contractor
Operation and Maintenance Contractor
Airtricity Utility Solutions (SSE)
Comments
This project led by Donegal County Council can generate energy savings while also improving public lighting for the general public.