

Increasing the Potential of Small Hydropower Generation Through Responsible Development

Gina S. Warren | Associate Professor of Law

Overview



- What is small hydropower?
- What is the proper framework for responsible development?

Types of Hydro



Туре	Power Output	Applicability
Large	>100MW	Large urban populations
Medium	10-100MW	Medium urban populations
Small	1-10MW	Small communities with possibility to supply electricity to regional grid
Mini	100kW – 1MW	Small factory or isolated communities
Micro	5-100kW	Small isolated communities
Pico	<5kW	1-2 houses

Types of Hydro

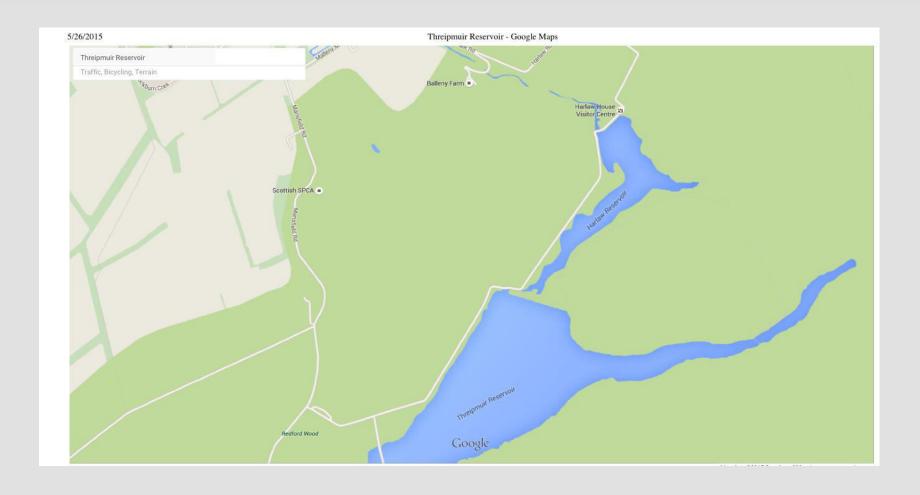


Туре	Power Output	Applicability
Large	>100MW	Large urban populations
Medium	10_100	nonulations
c .all	1-10MW	Small communities with possibility to supply electricity to regional grid
Mini	100kW – 1MW	Small factory or isolated communities
Micro	5-100kW	Small isolated communities
Pico	<5kW	T-5 Honses

3/15/2016 4

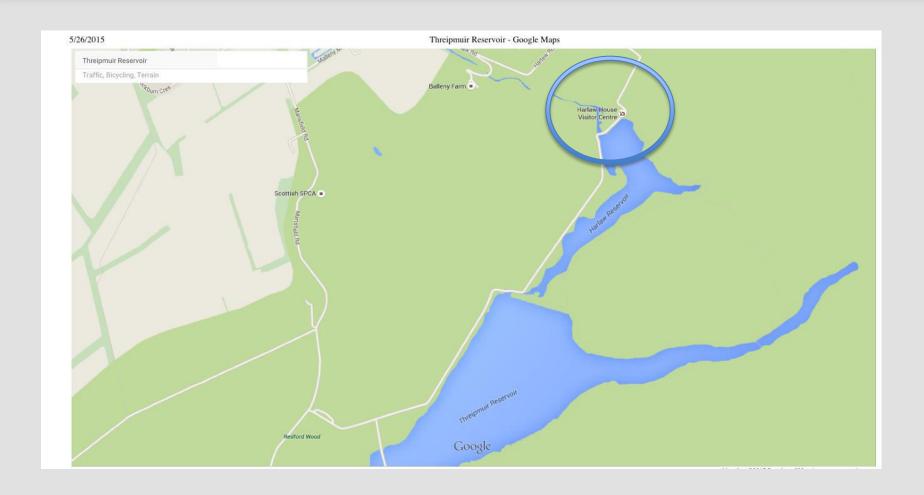


Harlaw Micro Hydro





Harlaw Micro Hydro





Harlaw Micro Hydro





Harlaw Mico Hydro





Harlaw Mico Hydro



Responsible Development



- Requires:
 - -Information
 - -Governance Structure
 - —Financing Incentives





- Feasibility of Location
- Technologies
- Human/Nature Impacts





Governance Structure

- Efficient licensing process
 - Subsidiarity & flexibility
- Interconnection and feed in tariffs



Incentives for Development



- Government
- Community
- Private companies





TEXAS A&M

Action Plan:

- Technical, environmental knowledge
- Streamlined and flexible governance structure
- Incentives to public/private stakeholders



Thank you!



