



Urban-LEDS project

City Developments and Experiences – Market Place Poster

Low-carbon development: planning & actions implemented

LEDS INITIATIVES AND ACTIONS	IMPACTS / RESULTS
<p>Development and Land Use Planning</p>	<p>Spatial Development Framework promotes logical expansion of future development nodes to prevent isolated pockets of development, that ultimately require longer transport/travelling routes and installation of bulk infrastructure. Beneficial from protecting natural resources/ low carbon footprint and financial perspectives</p> <p>Environmental Management Framework (EMF) upholds conservation status of various biodiversity hotspots that must be conserved. These are essentially indigenous forest reserves etc that perform important ecosystems services. Result is that these sensitive areas are protected from development/ habitat destruction.</p> <p>Use of air quality buffers within the land use management system (LUMS) to define town planning controls and zoning, where certain emissions resulting from proposed developments are prohibited from certain zones that are saturated with such emissions (SO₂, PM 10 etc.) This has not only resulted in fewer emissions industries located within the pollution hotspots, but repelled polluting industries and noxious land uses within the City</p>



<p>Waste Management</p>	<p>Recycling and other waste management initiatives reduce volumes of waste disposed at the landfill. Since general / municipal solid waste is responsible for 15 % of GHG emissions,</p>
<p>Air Quality Management</p>	<p>Development of an emissions / greenhouse gas inventory</p> <p>Proposed: Implementation of an Air quality strategy and bylaws (initiative underway), which ultimately must relate to the District's Air Quality Management Plan and the LEADS strategy</p>
<p>Energy Management</p>	<p>Energy Management Goals</p> <ul style="list-style-type: none"> • Improve Internal Organization • Training and Capacity Building • Education , Information and Awareness • Develop Finance Instruments • Develop Segment –Related Programmes • Alternative Energy <p>Renewable Energy</p> <p>Numerous initiatives are underway in respect of renewable energies Request for the expression of interest to explore the potential of renewable energy in the City of uMhlathuze</p> <p>The project will attract Independent Power Producers that have a sound knowledge of the different fields of renewable energy to identify the potential to produce renewable energy with the available resources in the City of uMhlathuze. The required outputs will determine which of the different renewable energy types will be a viable option while at the same time present a business plan that supports the suggestion. Independent Power Producers must consider each of the types as listed below and thereafter submit a high level proposal on the option or options that prove viable</p>

Challenges and solutions: how we addressed these ...

Challenges

1. Against the backdrop of service delivery, Institutional arrangements and buy in within the structures of the municipality is often a challenge when it comes to LEDES. Municipal Resources are hence channelled accordingly, where negligible resources are allocated towards green development and/ or environmental protection.
2. Spatial and economic development imperatives of the region are often driven from a national level (Port Development / IDZ etc).
3. Apathy, Lack of Awareness and capacity of civil society with regard to Environmental / LEDES matters
4. Lack of enforcement to exercise controls/ policy/ bylaws that are in place

Solutions

1. Develop proposals and business plans to tap into external funding streams. Foster and environment where office bearers/ principals/professionals/stakeholders and civil society are actively engaged or interested in LEDES and related initiatives by providing tangible incentives etc
2. Integrity of EIA's and PDA/ Town planning processes must be upheld and must serve efficiently in mitigating against proposed development impacts.
3. Ensure that public participation methodology is appropriate to the local context, utilizing appropriate medium of communication. Provide incentives, where appropriate
4. There is always room for improvement when it comes to enforcement agencies and mandated authorities addressing environmental contraventions. Collaboration between tiers of government/ enforcement agencies, with clear roles and responsibilities is key to dealing with perpetrators.

Lessons learned: we recommend to others

- Collaborating with academic and research institutions, business and industry on initiatives yields better results than steering isolated initiatives
- LEDES strategies must be "a working document" that has a clear implementation plan. Individuals must be held accountable for the implementation of such plans, and be reported on in terms of project objectives, timeframes, responsibility and funding requirements, progress etc.
- The nature of LEDES is that it straddles various departments and operations across the municipality. It is therefore imperative to form a working group with respective role players and meet at regular intervals to discuss matters arising out the LEDES. Obtain Council resolutions that bind parties to honouring the LEDES initiatives

