

ENERGY EFFICIENCY PROJECT		
Country: China, People's Republic of City: XIAOLAN	Status: COMPLETED Application approved: 05 OCT 2012	Key Sector(s): ENERGY EFFICIENCY
PROONENTS		Geography and Population
Ms. He Yiqing Director of Zhongshan City Low-carbon Development Centre  Phone: +86 (760) 2211 3823 Email: eva-he@live.cn		<p><b>Area:</b> 75.4 km<sup>2</sup> <b>Population:</b> 161,000</p> <p>Xiaolan is a state-level key town situated in Zhongshan City in the central of Pearl River Delta, and is also a central town (county-level town) in Guangdong Province. It has the highest annual income per capital among all towns in Zhongshan City. Xiaolan plays a significant role in the economic, population and transportation development, as well as urban construction of Zhongshan.</p>
<b>Central State Partner</b> Guangdong Provincial Development and Reform Commission	<b>Other Partners</b>	 <p>Source of Maps: Wikipedia.org</p>
KEY CITY DEVELOPMENT ISSUES		
<p>The overall city's development plans focus on the following areas: The NDRC launched a national low-carbon pilot programme in five provinces and eight cities, which includes Xiaolan country in Guangdong province. The 12th five-year plan of Guangdong province includes the target of reducing the energy used per unit of GDP by 18%; reducing carbon dioxide emission intensity by 19.5% from 2010's level by 2015; and reducing carbon emissions per unit of GDP by 45% from 2005 levels by 2020. Xiaolan county government created a greenhouse gas emission inventory report in 2012 (first in the entire nation) and prepared a low-carbon economic development plan to meet the set objectives.</p>		<p><b>Intervention Areas</b></p>  <p>City of Xiaolan</p> 
DETAILS OF COOPERATION		
<p>CDIA supported activities include:</p> <ul style="list-style-type: none"> <li>- Prepared the Pre-feasibility Study (PFS) with the following components:             <ol style="list-style-type: none"> <li>Review of previous studies conducted and key documents on cooling/heating district co-generation project as well as analysis geographical conditions and urban structures of Xiaolan</li> <li>Technical and financial feasibility of the project, with a phased infrastructure investment plan</li> <li>Cost-benefit analysis of the project with emphasis on economic, environmental and social impacts</li> <li>Recommendation of a PPP structure and potential market and/or interested private parties</li> </ol> </li> <li>- Capacity-building training related to project planning, financing, construction and operation etc.</li> </ul>		
EXPECTED DEVELOPMENTAL IMPACTS		
<ul style="list-style-type: none"> <li>- Decrease the use of natural gas for cooling/heating while significantly increase the energy efficiency of Xiaolan and achieve the energy conservation goals;</li> <li>- Higher energy efficiency in cooling, heating, power generation and steam supply</li> <li>- Increase local power generation which will decrease coal-generated power from other places;</li> <li>- Low-carbon pilot scheme in Zhongshan city to be promoted</li> </ul>		
<b>PROJECT PERIOD</b>	JUL 2013 – FEB 2014	<b>EXPECTED INVESTMENT FOLLOW UP</b>
<b>CDIA SUPPORT</b>	252,483 US\$	Est. infrastructure investment value
<b>CITY CONTRIBUTION</b>	60,000 US\$ (in kind)	Potential sources of financing
		PPP