

Country: China, People's Republic of City: XIAOLAN		Status: COMPLETED Application approved: 05/OCT/2012	Key Sector(s): ENERGY EFFICIENCY
<b>PROPOSERS</b>		<b>Geography and Population</b>	
<p>Ms. He Yiqing Director of Zhongshan City Low-carbon Development Centre</p> <p>Phone: +86 (760) 2211 3823 Email: eva-he@live.cn</p>		<p><b>Area:</b> 75.4 km<sup>2</sup></p> <p><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.</p>	 
<b>Central State Partner</b> Guangdong Provincial Development and Reform Commission	<b>Other Partners</b>		
<b>KEY CITY DEVELOPMENT ISSUES</b>			
<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 county 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>Xiaolan plays a significant role in the economic, population and transportation development, as well as urban construction of Zhongshan.</p>	
<b>DETAILS OF COOPERATION</b>			
<p>CDIA supported activities include:</p> <ul style="list-style-type: none"> <li>- Prepared the Pre-feasibility Study (PFS) with the following components: <ul style="list-style-type: none"> <li>a) 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>b) Technical and financial feasibility of the project, with a phased infrastructure investment plan</li> <li>c) Cost-benefit analysis of the project with emphasis on economic, environmental and social impacts</li> <li>d) Recommendation of a PPP structure and potential market and/or interested private parties</li> </ul> </li> <li>- Capacity-building training related to project planning, financing, construction and operation etc.</li> </ul>		<p><b>Intervention Areas</b></p>  <p>City of Xiaolan</p> 	
<b>EXPECTED DEVELOPMENTAL IMPACTS</b>			
<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	86 mil US\$
<b>CITY CONTRIBUTION</b>	60,000 US\$ (in kind)	Potential sources of financing	
		PPP	