



<ul style="list-style-type: none"> <li>i) <math>CO_2</math> [kg/kWh<sub>electricity</sub>]</li> <li>ii) <math>SO_2</math> [kg/kWh<sub>electricity</sub>]</li> <li>iii) <math>NO_x</math> [kg/kWh<sub>electricity</sub>]</li> <li>iv) <math>PM_{10}</math> [kg/kWh<sub>electricity</sub>]</li> <li>v) <math>NMVOC</math> [kg/kWh<sub>electricity</sub>]</li> <li>vi) <i>Methane</i> [kg/kWh<sub>electricity</sub>]</li> <li>vii) <math>N_2O</math> [kg/kWh<sub>electricity</sub>]</li> <li>viii) <math>C_{14}</math> [kg/kWh<sub>electricity</sub>]</li> <li>ix) <i>Heavy metals [most important ones, g/kWh<sub>electricity</sub>]</i></li> <li>2) Thermal exhaust [TJ/GWh<sub>electricity</sub>]</li> <li style="padding-left: 20px;">i) <i>Into air</i></li> <li style="padding-left: 20px;">ii) <i>Into water source</i></li> <li>3) Liquid waste</li> <li style="padding-left: 20px;">i) <i>Total liquid waste [kg/kWh<sub>electricity</sub>]</i></li> <li style="padding-left: 20px;">ii) <i>Total nitrogen into water source [kg/kWh<sub>electricity</sub>]</i></li> <li style="padding-left: 20px;">iii) <i>Total phosphor into water source [kg/kWh<sub>electricity</sub>]</i></li> <li style="padding-left: 20px;">iv) <i>Total chlorides into water source [kg/kWh<sub>electricity</sub>]</i></li> <li style="padding-left: 20px;">v) <i>Total sulfates into water source [kg/kWh<sub>electricity</sub>]</i></li> <li style="padding-left: 20px;">vi) <i>Others (KMnO<sub>4</sub>, iron, organic materials, solid materials)[<b>Separately</b>]</i></li> <li>4) Solid waste [tons/MWh<sub>electricity</sub>]</li> <li style="padding-left: 20px;">i) <i>Flue dust</i></li> <li style="padding-left: 20px;">ii) <i>Slurry</i></li> <li style="padding-left: 20px;">iii) <i>Hazardous waste</i></li> <li style="padding-left: 20px;">iv) <i>Radioactive waste</i></li> <li style="padding-left: 20px;">v) <i>Other solid waste</i></li> <li>5) Safety and health impacts</li> <li style="padding-left: 20px;">i) <i>Population affected by worst perceived accident during operation [nr of persons]</i></li> <li style="padding-left: 20px;">ii) <i>Number of deaths over the fuel cycle [persons/MWh<sub>electricity</sub>]</i></li> </ul>	Total:	Total:	Total:
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<p><i>iii) Other effects</i></p> <p>6) Visual impact and noise</p> <p>7) Footprint and use of resources</p> <p><i>i) Primary material moved for construction [kg/kW<sub>p</sub> of nominal power]</i></p> <p><i>ii) Secondary material moved for construction [kg/kW<sub>p</sub> of nominal power]</i></p> <p><i>iii) Main materials uses for construction (five) [kg/kW<sub>p</sub> of nominal power] Total weight – main materials are steel (app. 85%) and glass fiber (app. 15%)</i></p> <p><i>iv) Primarily material moved for usage e.g. fuel [tons/MWh<sub>electricity</sub>]</i></p> <p><i>v) Secondary material moved for usage e.g. fuel [tons/MWh<sub>electricity</sub>]</i></p> <p><i>vi) Critical materials in construction and usage (materials that may become a limiting factor for the technology) [kg/kW<sub>p</sub> of nominal power]</i></p> <p><b>Total ecological score</b></p>	<p>??</p> <p>1. 100-150 kg/kW</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p>	<p>1</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p>
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- Economy (without subsidies, price level for 2003):

<p>1) Investment cost [euro/MW]</p> <p>2) Availability [hours per year]</p> <p>3) Operational time [hours of nominal power/year]</p> <p>4) Reliability [%]</p> <p>5) Technical life span [years]</p> <p>6) Construction time [years]</p> <p>7) Fuel cost [euro/MJ]</p>	<p>800-1000</p> <p>2000-2500 hours</p> <p>97-98%</p> <p>20</p> <p>0,5</p> <p>0</p>		
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8) Operation and Maintenance (O&M) cost [euro/MWh <sub>electricity</sub> ]	1-1.5 c€/kWh		
9) Waste handling and dismantling [euro/ MWh <sub>electricity</sub> ]			
<b>Total economic score</b>			