



News Release

For Immediate Release

HTC Pureenergy Inc. Announces Contract from Italy's ENEL for World Leading CO₂ Capture Project at Porto Tolle, Italy

- **Project to utilize carbon capture technology through 250 MWe slipstream on 660 MW coal-fired power station in Porto Tolle, Italy**
- **1,000,000 tons of CO₂ to be captured each day for sequestration in saline aquifer**

Regina, Saskatchewan – HTC Pureenergy Inc. (“HTC”) jointly with Doosan Power Systems has signed a contract with Enel to provide HTC’s carbon capture technology for the Porto Tolle thermal generating station. The current contract is to conduct a FEED (“Front End Engineering and Design”) study for Italy-based Enel’s Porto Tolle Carbon Dioxide (“CO₂”) Capture Unit Project.

HTC and Doosan Power Systems will produce a comprehensive solution for Enel that includes capital investment (“CAPEX”) and operating costs (“OPEX”), along with other required engineering work that supports the realization of CO₂ capture at Porto Tolle. With a completion date for the FEED established in Q1 of 2011, HTC and Doosan Power Systems commenced this FEED in August of 2010.

HTC’s CEO Lionel Kambeitz says “HTC has worked directly with Enel in the past and we are pleased to have been awarded this contract with our licensing partner Doosan Power Systems. Enel, is an innovative and progressive company and like many other major energy producers, understands the low-risk approach in HTC’s technology along with the economic and environmental benefits it delivers.”

The Porto Tolle CO₂ Capture Unit Project has been selected by the European Commission as one of the projects to be financed under the European Economic Plan for Recovery. The extracted CO₂ (about 1 Mt/y) will be compressed, transported via pipeline and stored in a saline aquifer beneath the Adriatic Sea. The CO₂ capture unit shall be in operation for an extended period of time in order to fully demonstrate HTC’s technology on an industrial scale and provide a commercial solution for new installations after 2020.

HTC Pureenergy, in partnership with leading research institutions, has developed commercially available solutions for CO₂ capture using amine-based solvents and advanced process design. Doosan Power Systems recently commissioned its Emission Reduction Test Facility (“ERTF”) in Renfrew, Scotland and is constructing its second demonstration plant, the 100 tonne per day SSE Ferrybridge project, online in Q1 of 2011. Both plants feature the most advanced commercially available solvents and process design by HTC.

About the project

The Porto Tolle site is located on the Adriatic coast South of Venice, Italy at the delta of the river Po. The present Porto Tolle facility comprises four oil fired power generation units (Units 1 to 4) each of a nominal capacity of 660 MW. These will be refurbished to three bituminous coal fired units (Units 1 to 3) each of a nominal capacity of 660 MW. It is planned that the existing oil fired Units 1 to 3 will be partially demolished and refitted with new boilers, steam turbines and associated flue gas treatment systems. Furthermore, Unit 4 will be partially dismantled to provide space for a CO₂ Capture Unit to be associated with Unit 3. It is currently intended that the CCU will treat a flue gas flow rate of 0.8 MNm³/h, corresponding to an equivalent of 250 MWe electrical output.

About Delta CleanTech

Delta CleanTech has over 16-years of experience in the Clean Tech Energy Sector and is considered a technology industry leader in CO₂ Capture; Solvent, Ethanol & Glycol Reclamation and Hydrogen Fueling Infrastructure.

Delta was one of the world's first energy technology companies to pioneer ESG solutions for corporate and government responsibility of Identity Preserved Waste™ ("IPWTM").

Delta's patented CO₂ Capture LDesign™ and PDO Engine™ along with the Delta Reclaimer® technology provides customers with IPW solutions by providing low cost methods of capturing and utilizing CO₂ emissions that not only can they reduce the carbon footprint, but also maximize carbon utilization revenue potential, while at the same time qualifying for carbon credits recognized by Government taxing organizations.

Delta has developed intellectual property in reforming methane to hydrogen and the related production of Blue Hydrogen through the capture of CO₂ from the reforming process.

For more information contact:

Jeff Allison, Senior VP, Delta CleanTech

Telephone: (306) 352-6132

Cell: (306) 530-6025

E-mail: jallison@deltacleantech.ca