

# Press Release

Contact: C. G. Steiner  
Phone: 913.897.2727

**For Immediate Release**  
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**Subject: Proposed Development of India's First Zero Greenhouse Gas Emissions (GHG) 1,000 MW Super Critical Coal Fired Power Plant to be located on the East Coast of India.**

*WaterSmart Environmental, Inc.*, provider of waste-to-energy and total recycling technologies and **CMR Power Projects Pvt. Ltd., India**, engaged in the development of Power Plants, announce the proposed development of India's first 1,000 MW Zero Greenhouse Gas Emission (GHG) Coal fired Power Plant.

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## **PROPOSED DEVELOPMENT OF INDIA'S FIRST ZERO GHG EMISSIONS 1,000 MW SUPER CRITICAL COAL FIRED POWER PLANT ON THE EAST COAST OF INDIA.**

*WaterSmart Environmental, Inc.* announces the proposed development of waste-to-energy and recycling technologies that permits conversion of existing fossil fueled power plants to achieve zero greenhouse gas emissions while increasing profits of their operators. The company has been slowly developed waste to energy and total recycling technologies over last 10 years and it is now introducing them to the international market. The technology has the clear potential for making every single city throughout the world **renewable energy, organic foods, biofuels, and water independent** while producing a surplus of both oil (biodiesel) and gas (renewable natural gas). The technology will also permit every single city throughout the world to improve water and waste water treatment infrastructure while creating jobs and investment opportunities. The technology is being marketed on a design, finance, build-own-operate basis thereby eliminating all capital costs to thermal generating power plant owners.

The Proposed technology is intended to increase economic development while creating a zero waste-to-landfill and zero carbon footprint society. Widespread use of the technology carries with it the potential for contributing substantially to the reversing of global warming.

The two principles ideas behind the technology are the elimination of food starvation and the promotion of world peace.

Key features of Waste-To-Energy Technologies:

- The Production and free distribution of potable water,
- The free collection and treatment of sanitary waste water,
- The free collection and management of Municipal Solid Wastes (MSW),

- The generation and distribution of renewable energy electricity at US \$0.045/kWh to citizens and businesses regardless of time of day used or amount consumed, and
- The 50:50 sharing of annual profits with communities served.

The economic development objective is to produce 100% of the local demand for electricity, 100% of the local demand for biodiesel biofuel, 100% of the local demand for natural gas (methane gas is a near equivalent to natural gas) biofuel, and 100% of the local demand for potable water.

CMR has been working with WaterSmart as its Project Developer for India to market Waste-To-Energy Technologies and to develop large scale Renewable Energy Projects as well as to convert existing fossil fueled power plants to Zero GHG Emissions. WaterSmart and CMR have already announced the development of India's first BioWastes-To-Renewable Energy, BioFuels, Organic Foods, and Water Independence (Renewable Energy Industrial Park) Project in the Prakasam District of Andhra Pradesh, India. The proposed technology is to move farming indoors where climate conditions can be totally controlled without dependence on local water or fertilizer resources. Intercropping can be successfully practiced indoors without concern over climate conditions.

Fossil Fueled Power Plants are being criticized for their discharge of greenhouse gases (GHG) due to releases of Carbon Dioxide (CO<sub>2</sub>), Sulphur gases (SO<sub>x</sub>) and Mercury (Hg). The waste-to-energy technology is unique in that it has been designed to prevent all discharge of greenhouse gas (GHG) emissions. This environmental feat is accomplished by using greenhouse gases beneficially in the production of Spirulina microalgae. For the last several years the power plant industry has been investigating the possible sequestering of its CO<sub>2</sub> emissions by beneficially using this gas in the photosynthesis of microalgae. Field efforts to date have been determined as too expensive. The technology used by WaterSmart Environmental includes the use of a super efficient photobioreactor that produces Spirulina microalgae. The company learned that photosynthesis (the production of carbohydrates) can occur simultaneously with respiration (the production of oxygen) thus enabling 24/7 continuous operation making the operation quite economical. The Environmental Benefits of the technology include a minimum of 1,100 pounds of anthropogenic carbon dioxide (CO<sub>2</sub>) reduction per megawatt hour of electricity generated.

While erecting power plant by CMR, WaterSmart will construct the waste to energy facility adjacent to envisaged power plant and both erection of Power Plant and Construction of Waste-to-Energy Facilities will be completed simultaneously. The Waste-To-Energy Facility will capture all types of wastes generated by power plant such as Heat and Carbon Dioxide content of exhaust gas which are escaping out the stack while burning coal and all other associated wastes and convert them as renewable energy products such as biodiesel, methane gas etc. Another valuable co-product consists of precast concrete panels that will be used in construction trades.

The energy produced by the waste-to-energy technology is 100% renewable which allows power plant to dispose off their fly ash and bottom ash as well as their sanitary wastes and coal pile runoff waters thereby achieving total site waste management. This next generation climate change proprietary technology package has taken about 10 years to develop.

WaterSmart believes that waste-to-energy business model can be successfully promoted in the worldwide marketplace. The model identifies the concept of a new or existing fossil fueled

power plants working in a joint venture type relationship that enables the following operating procedures.

CMR and their JV Partners will erect the envisaged power plant with all associated infrastructure costs and have ownership of the Power Generation Plant.

WaterSmart will construct waste to energy facility while erecting the envisaged power plant with all associated infrastructure costs and have ownership of the waste to energy facility.

WaterSmart will manage the following waste discharges of power plant with all associated infrastructure costs.

1. Waste Combustion Gas
2. Sanitary Waste Water
3. Municipal other solid wastes
4. Fly ash and Fly Ash Pond Water
5. Storm Water
6. Bottom ash and Bottom Ash Pond Water
7. Sulphur and its by products
8. Slag Wastes
9. Boiler water treatment chemical wastes
10. Radio actives wastes
11. Mercury (hg) wastes
12. Particulate emissions
13. All other associated wastes

#### HIGHLIGHTS OF THE ENVISAGED PROJECT:

1. The retail sales of electricity will be US \$ 0.45/kWh flat rate regardless of time of day, number of kWhs sold or by whom purchased. To make this market place result economically feasible, WaterSmart will fully subsidize the power plant's cost of power production. In case the production cost increases, WaterSmart also will increase the subsidy accordingly. The idea is to balance future increases of production costs on a fully sustainable basis.
2. The Power Plant is claim full marketplace credit for finding and implementing technology that enables it to sell power to the public at US \$0.045/kWh. Electricity sold from non-polluting power plants may be called **GREEN ELECTRICITY**.
3. WaterSmart will add its renewable energy electricity output to power distribution lines of the power plant in a fully coordinated manner to enable full and continuing satisfaction of marketplace demand. The marketplace doesn't care whether the electricity purchased is green or renewable so long as it remains inexpensive. Inexpensive electricity is always a key marketplace factor that supports massive economic development.
4. The WaterSmart waste-to-energy facility will also enjoy massive economic development in the form of biofuels consisting of renewable natural gas and biodiesel. These biofuels will be made available to the local marketplace at a 20% discount from existing retail prices. In so doing the marketplace will further benefit by being able to purchase these commodities at favorable prices. In the instance of gas or oil power plants, they too

could switch to the WaterSmart source of renewable biofuel and thus further improve their operating margins of power production.

In converting fossil fueled power plants to zero greenhouse gas emissions each participating country can increase its per capita availability of oil (biodiesel) thus greatly exceeding the current United States per capita availability of petroleum based oil currently at 3.0 gallons/Day.

In converting fossil fueled power plants to zero greenhouse gas emissions each participating country can increase its per capita availability of natural gas (renewable methane gas) thus greatly exceeding the current United States per capita availability currently at 194 cubic feet/Day.

CMR is assisting WaterSmart to develop a maximum number of Renewable Energy Industrial Parks in India and as well as to convert all existing and new fossil fueled power plants into zero GHG Emission Projects with an objective of contributing to social welfare, community growth & nation building.

WaterSmart Environmental is marketing its Kyoto Protocol compliant wastes-to-energy technology on an economic development platform to concentrated animal feeding operators and to municipalities. Animal farmers benefit by purchasing biodiesel, electricity, and natural gas (methane) at a 20% discount from retail. Municipalities also benefit by making biodiesel, electricity, natural gas, and potable water available to its citizens and businesses at a 20% discount from existing prices. The technology is marketed on a build-own-operate basis thereby eliminating the necessity for local sales and property tax increases since project financing is entirely secured from the financial marketplace.

Municipalities that embrace the waste-to-energy technology automatically become zero waste-to-landfill communities. The waste-to-renewable energy technology has been slowly developed over the last 10 years. It is just now being introduced to the international marketplace. The technology has the clear potential for making every single city throughout the world energy and fuels independent while reducing oil and natural gas imports.

The technology will also permit every single city throughout the world to improve water and wastewater treatment infrastructure while creating jobs and investment opportunities. The waste-to-energy technology can also be applied to Sugar Cane Mills as well as Pulp & Paper Mills with equal success. Both types of mills become energy, food, fuels, and water independent while significantly increasing profits from routine operations. In the case of Sugar Cane Mills temporary and seasonal jobs turn into full time better paying jobs. **Widespread use of the technology carries with it the potential for contributing substantially to the reversing of global warming.**

**WaterSmart Environmental, Inc.** is a provider of waste-to-energy, food independence, water independence, and energy independence technologies and a manufacturer of highly engineered water purification components and systems. The company designs and builds a wide variety of water treatment equipment including packaged water and wastewater treatment plants, UltraPac™ aerobic package plants, OAT™ Process anaerobic digesters with associated energy production, aerators, filters, PuriSep™ and SmartWater™ oil/water and solids/liquids separators, RainDrain™ perimeter trench sand filters for stormwater runoff, dissolved air flotation separators, air strippers, complete skid assembled aqueous waste treatment plants, FilterFresh™ skid mounted potable water production plants, skid mounted wastewater treatment systems for laundromats, commercial laundries, and car/truck wash facilities

with water reclamation and reuse, softeners, demineralizers, activated carbon treatment equipment, and water purifiers for domestic and international markets.

*Worldwide Promoters of Renewable Energy, Organic Foods, Biofuels,  
& Water Independence Technologies by and for the Common Man*

