

WINDPARK VADER PIET

WEB Aruba N.V. is currently executing a project to install wind turbines in a windmill farm at the Vader Piet location.

The project is called Windpark Vader Piet and calls for the installation



Wind Measurement Mast

of a maximum of 10 wind turbines, each with a capacity to generate between 1 to 1.5 megawatts of electrical energy for a total of between 10 and 15 megawatts, which is between 6 to 9 percent of the total electrical power output of WEB Aruba N.V.

The turbines measure approximately 60 meters in height and the rotor diameter is roughly 50 meters.

The project, with principal technical advisor Polytechnisch Ingenieursbureau (PIB) N.V. is the beginning of the expansion into power generation in Aruba using renewable energy sources.

On May 18, 2005 the Minister of Social Affairs and Infrastructure and the general director of WEB Aruba N.V. signed the papers, which passed

over the land for the windmill park to WEB Aruba N.V.

In 2004 Grontmij Nederland b.v. conducted an Environmental Impact Assessment (EIA) and a Social Economic Impact Assessment (SEIA) for this project.

The EIA focused on the impact of the wind park on the surrounding area and adjacent Arikok National Park, bird kills due to collision with turbines, disturbance to resting, breeding and feeding activities of native birdlife, impact on other animals, noise and visual disturbance, and the effect on the landscape and surrounding ecosystems.

The SEIA addressed the issues of the benefit of electrical power generation using the renewable source of wind power versus the traditional combustible fuel powered plant at Balashi, and the benefits for the consumers e.g. in terms of costs (savings).

In addition to the EIA a study was conducted to determine the effect of the wind turbines on native Aruban bat species populations in the Parke Nacional Arikok, at the request of the staff of the Arikok Park management authority and performed under supervision of Jafet Nassar of the Instituto Venezolano de Investigaciones Cientificas.

The Windpark Vader Piet will contribute to reduction of emissions of greenhouse gases in electric power generation, but is not expected to lead to a noticeable reduction in the rates charged to the consumers for electrical energy.

The windmill farm is expected to become fully operational in 2006.

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WEB Aruba N.V. ta actualmente ehecutando un proyecto pa instala turbina di biento den un asina yama windmill farm (parke di turbina di biento) na e sitio di Vader Piet.

E proyecto yama Windpark Vader Piet ta planea e instalacion di un maximo di 10 turbina di biento, cada uno cu un capacidad pa genera entre 1 y 1.5 megawatt di energia pa un total di entre 10 y 15 megawatt, cual ta mas o menos entre 6 y 9 porciento di e output total di energia electrico di WEB Aruba N.V.

Cada turbina ta midi mas o menos 60 meter di altura y e diametro di e rotor ta alrededor di 50 meter.

E proyecto, cu e principal consehero tecnico Polytechnisch Ingenieursbureau (PIB) N.V. ta e inicio di e expansion den e area di generacion di energia electrico usando recurso di energia renovabel na Aruba.

Dia 18 mei 2005 e Ministro di Asuntunan Social y Infraestructura y e director general di WEB Aruba N.V. a firma e documento, cual a oficialisa e traspaso di e tereno pa e proyecto di parke di turbina di biento.

Na 2004 Grontmij Nederland b.v. a conduci un Estudio di Impacto Ambiental (MER) y un Estudio di Impacto Social Economico (SEIA) pa e proyecto aki

E MER a enfoca riba e impacto di e parke di turbine riba e area alrededor y Parke Nacional Arikok cerca di dje, mortandad di parha causa pa colision di parha cu turbina, disturbio causa na actividadnan di descanso, reproduccion y come di e parhanan local, impacto riba otro animal, disturbio di sonido y visual causa pa e turbinanan

y e efecto riba e paisahe y ecosistemanan der cercania.

E SEIA a trata e temanan di e beneficio di generacion di energia electrico, utilizando e energia renovabel di biento versus generacion den e planta na Balashi cu ta usa combustible fosil, y e beneficionan pa consumidor p.e. den reduccion di gasto pa coriente.

Fuera di e MER un estudio a ser haci pa determina e efecto di e turbinanan di biento riba especienan nativo di raton di anochi (vleermuis) den Parke Nacional Arikok, riba peticion di e gerencia di e parke y cual investigacion a ser conduci bao supervision di Jafet Nassar di e Instituto Venezolano de Investigaciones Cientificas.

E Windpark Vader Piet lo contribui na reduccion den generacion di energia electrico di emision di gasnan cu ta produci e efecto invernadero, pero no ta ser calcula cu e lo conduci na un rebaho substancial den e gastonan di generacion di energia electrico y e tarifanan pa consumidor.

E parke di turbina di biento ta ser spera di ta completamente operacional na 2006.



Parke Nacional Arikok staff member handling a bat



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