

Eilat - Eilat

Renewable Energy Administration
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Update Review No.4

November 3, 2009

It's been a busy summer and start of fall at the Eilat Eilat Renewable Energy Administration!

■ **Mr. Udi Gat:** Chairman of the Hevel Eilat Regional Council, was appointed Chairman of renewable energies of Preserved Open Space at the National Regional Council Association

■ **Noam Ilan:** Technologies and Business Development Manager of the Eilat-Eilat RE administration, was invited to visit Germany in November as part of a delegation of the Ministry of Industry, Trade and Labor. The visit is part of a collaborative effort of the ministry and the German government in the area of Green Technologies.

■ **Dorit Banet:** Strategic and Regional Development Manager of the Eilat-Eilat RE administration, was invited to the Climate Change Convention in Copenhagen in December. She will travel as part of a delegation of the Ministry of Environmental Protection to discuss the issues of climate change and their solutions.

■ The famous Yotvata snack bar/ restaurant installed a 50 KWP PV solar array on a newly constructed parking lot shade covering.



50 KWP installation at the Yotvata Parking Lot

■ The Esco Israel project, started at the regional school a year ago, has proven itself in a short time. The school already reduced its energy consumption by 10% - a savings of tens of thousands of shekalim.

■ As of today the following are confirmed keynote speakers at the RE conference in February:

Ambassador Richard Jones - Deputy Executive Director of the International Energy Agency (IEA)

Mrs. Kateri Callahan – President, Alliance to Save Energy

Mr. Michael Peevey – President, California Public Utility Commission (CPUC)

Dr. Hermann Scheer - General Chairman of the World Council for Renewable Energy

■ A local Eilat company installed a 50 KWP solar PV array on the roof of several warehouses in the Eilat industrial area.



50 KWP installation at the Eilat industrial area

■ The RE administration announced the opening of a new RE Validation Center. The validation center will evaluate new technologies and their feasibility. Its offices will be housed at the RE administration and the test site will be at the Center for Renewable Energy and Energy Conservation (CREEC) at the Arava Institute. William Weisinger has been hired part-time to oversee the new center.

■ In September, Noam traveled to Toronto and NYC. In Toronto, over 150 business representatives participated in two very successful receptions. Israeli companies presented to six investment banks and are currently negotiating joint ventures. The Canadian Stock Exchange agreed to sponsor the February conference.

■ During the Toronto visit, the Verilite Company decided to place their pre-commercial pilot CPV project in the Arava region. Goal of completion is aimed for the end of the year. Verilite's patent pending technology of flat mirror collectors and a passively cooled central linear cell array are expected to deliver an unmatched combination of durability, simplicity and low cost.

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The Verillite Company's innovative CPV technology

■ Also in September, the RE administration hosted an Energy Conservation seminar. Four innovative companies presented their energy saving products to representatives of the 10 regional settlements. As a result, plans are underway for a pilot project of new technologies, to be monitored by research students at the Arava Institute.

In October, the RE administration, in cooperation with the Environmental Unit in Eilat hosted an evening seminar entitled: Installation of PV systems on Roofs. Over 200 residents attended and the evening received rave reviews.



Seminar on installation of PV panels on rooftops in Eilat – over 200 residents attended!

■ Grant proposals submitted recently:

AIES – to the Ministry of Agriculture for funding biomass gasification, converting agricultural waste from date branches into a valuable fuel

RE administration – to the EU for funding affordable energy efficient housing in the region; to the EU for funding alternative energies offering local useful support; to the Ministry for the Protection of the Environment for funding the Energy Conservation track of the upcoming conference

■ Center for Renewable Energy and Energy Conservation (CREEC) – Dr. Tareq AbuHamed and his staff set up dust monitors in Timna Park, Kibbutz Ketura and Kibbutz Yotvata to determine dust effect on the PV performance; installed an I-V current voltage monitor that is able to evaluate the performance of several different types of PV panels simultaneously, allowing for comparison of different technologies; hosted the First National Science Festival in coordination with the Dead Sea and Arava Science Center; and signed an agreement with the B-Solar company to evaluate their Bi-Facial PV panels which produce electricity both from direct radiation and from reflection of the earth's radiation to the back surface of the panels. In September, AIES Director David Lehrer and Dr. Abu Hamed visited many regions in the US for lectures and fundraising.

■ **Educational program:** Stage one, creation of the pilot educational program was completed over the summer. We have entered stage two. The pilot program is now in place in several regional schools and 15 teachers have signed up for the continuing education seminars being offered. Rabbi Michael Cohen of Vermont will present to the steering committee the topic of: The integration of Judaism and Renewable Energy.

■ For more information about the RE administration and our 2010 Renewable Energy Conference and Exhibition, please visit: www.eilatenergy.org

