

**WEACAU-III: International Workshop on
Environmental Aspects of Coal Ash Utilization**

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A proposed revision of the master plan for coal ash uses in Israel

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Abstract

The energy sources basket for the electric sector in Israel is experienced nowadays a significant change from coal to natural gas. Building of new coal fired power plants, which was intended according to old master plan, has been delayed. Subsequently forecast of coal ash production has been dropped on the one hand but on the other hand uncertainty level, due to probable failures in natural gas supply system, introduces inevitable required flexibility to the planned market, in terms of uses alternatives and users. The lecture will present the following issues:

- Description of the current local situation of production and use of Coal ash. Due to the shortage of LPG today, Coal ash production pace in 2012 reached a peak of about 1,500,000 Tons (comparing to – approx. 1,270K Tons in 2011), Almost 100% of this amount is beneficially used – mostly in the Portland cement and the Delivered Concrete industries.
- Short description of Bottom ash and Fly ash uses segmentation in Israel. In 2011 approx. 53% of the total Coal ash productions were used in the Portland cement industry and approx. 38% - in the Delivered concrete industries.
- The difficulties in trying to make an educated forecast of future Coal ash production.
- Master plan team vision of the future production and the potential marketing outlets/uses of Coal ash. Briefly - our goal is to diversify the Coal ash users, while keeping, among others, the principals of consecutive demand and maximizing the benefits to the national economy, subject to environmental limitations..
- Short description of suggested intermediate storage locations.