

# Arch Environmental capturing energy from falling raw materials

News nuggets and coffee-shop chatter from Paducah and the area:

**Arch Environmental Equipment Inc.** in Paducah is manufacturing a system that harvests energy from falling rock, sand, coal and other raw materials.

The company reached an agreement with **Dean Rosendall**, a Michigan-based inventor, to manufacture and distribute Rosendall's **Dean Energy Harvester (DEH)**. The DEH attaches to a conveyor belt system (commonly used to transport raw materials such as rock, sand or coal) that recycles energy as it transports the materials.

Part of the DEH attaches to the end of a conveyor belt over the point at which raw materials are dropped. The rock or coal falls, forces a turbine to spin and then powers a connected generator. The generator redistributes energy to other equipment, and stores some for future use.

Arch Environmental manufactures and sells mechanical and electrical products designed to improve the efficiency and safety of conveyor belt systems.



## Biz Buzz

Rosendall is a partner with **First Companies** in Grand Rapids, Mich., which designs products for sustainable construction.

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**Triangle Enterprises Inc.** in Paducah landed the 2010 **Thomas J. Reynolds Award** for construction safety and health from **The Association of Union Constructors**.

The national safety award recognizes outstanding achievements to minimize the number of work site accidents, injuries and illnesses. **Triangle Enterprises** is an insulation, HVAC, sheet metal and scaffold contractor.

Company representative will

receive the award at a ceremony on May 11 in **White Sulphur Springs, W.Va.**

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**David Matsuda**, maritime administrator appointed by President **Barack Obama**, will be the keynote speaker at the **Paducah Area Chamber of Commerce's Transportation Summit** on May 11-12.

Matsuda has served as the **U.S. Department of Transportation's** assistant secretary for transportation policy and spent seven years as senior counsel and primary transportation adviser to **New Jersey Sen. Frank Lautenberg**. The **Apple Valley, Calif.**, resident was once a **Georgetown University Government Affairs Institute Fellow** serving on the staff of the **Senate Committee on Commerce, Science and Transportation**. From 1998 to 2002, Matsuda worked as an attorney with the safety law division of the **U.S. DOT's Federal Railroad Administration**.

The local summit will feature transportation executives as speakers and panel members to discuss the economic development oppor-



JOHN WRIGHT | The Sun

**A crew from Arch Environmental Equipment Inc.** works on a conveyor machine at **Federal Materials Inc.** in Paducah on Thursday. The company is manufacturing a system that harvests energy from falling raw materials such as rock, sand and coal.

tunities possibly stemming from the widening of the **Panama Canal**, which is on track for completion in 2014.

The local river industry, as well as truck, rail and air industries, are considering how to accommodate more container-on-barge cargo

floating on inland waterways after the **Panama Canal expansion**.

Got a tip for **Biz Buzz**? Contact **Sun Business Editor Adam Shull** at 270-575-8650, send a fax to 270-442-7859 or e-mail [business@paducahsun.com](mailto:business@paducahsun.com).