



**destiny usa**

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**30% Coal Fly Ash Used In Concrete Pile Caps  
Destiny USA Continues To Advance Environmental Initiative**

**Syracuse, New York** –Destiny USA announced today, the utilization of 30% coal fly ash in its second major concrete application on the site. The over 450 pile caps currently being poured as the first step in the foundation slab for the 1.3 million square foot expansion will utilize over 6,750 tons of fly ash. Fly ash, a by-product of coal-fired power plants, is used as a replacement for Portland cement. Substantial replacement of Portland cement with reclaimed fly ash dramatically reduces the greenhouse gases associated with energy intensive cement production. Fly ash is normally disposed of in landfills and annually, more than 71 million tons of coal fly ash is generated; approximately 42 million tons of which is currently directed towards landfills, enough to cover 27,500 acres of land – or an area approximately 11,000 acres larger than the City of Syracuse.

*“Our commitment to continuing the utilization of coal fly ash is a direct outcome of our relationship with the Environmental Protection Agency and our intention to operate free of fossil fuels,” said Robert J. Congel, Destiny USA’s Founder and Chairman. “From our successful use of 100% of biodiesel, to our Idling and Recycling Policies; we are motivated to research various technologies and environmental friendly approaches in the construction and operation of Destiny USA.”*

For every ton of cement manufactured, about 6.4 million BTUs of energy are consumed. Replacing that ton of cement with fly ash saves enough electricity to power an average home for 24 days and reduce carbon dioxide emissions equal to two months of an automobile. By these figures, Destiny USA’s use of fly ash in the pile caps alone will conserve the equivalent emissions of one automobile for ten years and enough electricity to power an average home for over 6 years.

*“Our commitment to the use of fly ash is a direct result of our partnership with the Environmental Protection Agency to find a beneficial use for this by-product of coal fired power plants.” said Melissa Perry, Destiny USA’s Director of Sustainability, “As part of our vision of being a “living laboratory” and demonstration project, we want to drive awareness of easy to replicate green initiatives like this one.*

Additional applications of the fly ash in concrete in the first phase include: footings, slab on grade and flooring. Destiny USA’s use of 30% fly ash exceeds their commitment of 18% made to the Environmental Protection Agency.

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