Sustainability

Benefits from Incorporating a Green Approach at Two CSX Intermodal Terminals

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CSX Intermodal Terminals, Inc. (CSX) is committed to environmental stewardship and incorporates innovative green design into the development of new intermodal terminals. Intermodal transportation is the future of moving freight and the development of new intermodal terminals in key locations expand market reach and lower logistics costs for businesses and ports. In the past five years, CSX has opened two state-of-the-art intermodal terminals in key locations. These two terminals are equipped with sustainable technology and incorporate efficient and innovative water quality management techniques. The Northwest Ohio Trans-Shipment Terminal (NWOH Terminal) located in North Baltimore, OH, began operations in 2011. The NWOH Terminal links East Coast seaports with vital points in the Midwest and has created new routing possibilities and growth opportunities for inland locations. It also provides faster, more reliable transit from the West Coast, allowing shippers to bypass congested areas like Chicago. Its highly efficient operations use various cutting edge technologies of green design. These include five ultra-efficient, zero emission wide-span electric cranes (WSEC) and optical scanners that reduce truck idling times. The LEED certified crew building at the terminal was constructed of recycled content and regionally-sourced materials, and reduces water use by 35% on an annual basis. Hydrogen powered fuel cells are also used at the terminal to provide backup power for critical signaling systems. The use of these fuel cells yield zero emissions.

The Central Florida Intermodal Logistics Center in Winter Haven, FL opened in 2014 and was modeled after the NWOH Terminal, but incorporates even more environmentally friendly technology. It has solar panels on the roof of each administrative building that provide renewable energy and three WSECs that regenerate power to the local grid. LED lighting is incorporated throughout the facility and all administrative buildings received Silver LEED certification. All process tracks are constructed with steel ties, which are 100% recyclable, have no environmental impact, and lower lifecycle costs. Employee parking areas are made of pervious pavers that allow storm water to percolate to the subsurface without the need to be treated through the storm water system. The Central Florida Intermodal Logistics Center is the next generation of intermodal terminals. It incorporates multiple innovative systems that enhance and improve service performance and operational reliability, while keeping safety a top priority.

This presentation describes the environmental and economic benefits of utilizing green technology as compared to a more "traditional" approach.