



# The FDS Co-Generation Facility

The FDS Co-Generation Facility is a 135 megawatt (MW) power plant that uses steam produced by waste heat from the adjacent non-recovery FDS Coke Plant to generate electricity. The co-generation facility will occupy 5 acres of land within the 51 acre coke plant project site that has been leased by FDS from the Toledo-Lucas County Port Authority. The annual electricity produced will be approximately 1 million MW-hours or enough to power approximately 100,000 homes. This electricity is produced by the FDS Project with no additional air pollutant emissions.

## Facility Overview

The co-generation facility's design features include a single steam turbine building, a maintenance and water treatment building, exterior tankage, cooling towers, a 138kV substation, and general roadway access to the major equipment. Non-sanitary wastewater and storm water will be routed to the FDS Coke Plant for reuse. Electrical power generated by the facility will be transmitted to an onsite substation and then to the Ironville Substation that is located off Millard Avenue between Tiffin Avenue and Otter Creek Road.

## Environmental Impacts

Environmental impacts from construction of the co-generation facility are minimal. No threatened or endangered species have been identified on either site location and no wetland areas will be cleared, filled or impacted during the construction of the co-generation facility. Most of the vegetation within the 51 acre parcel will be cleared for the construction of the FDS Coke Plant Project Site. Minimal clearing will take place along Duck Creek for the installation of the above ground steam pipe from the FDS coke plant to the FDS Co-Generation Facility. Duck Creek stream scored 27 out of 100 on the Qualitative Habitat Evaluation Index indicating that it is a low quality stream.



## Historical/Cultural Impacts

Historical and cultural impacts from construction and operation of the co-generation facility are not expected to occur. The co-generation facility will be located in an area with current heavy industrial and commercial uses. There are no residences in immediate proximity to the proposed co-generation facility. The closest residential areas in the City of Toledo are approximately 1 mile southwest, and in the Village of Harbor View more than 1 mile to the northwest. The aesthetic impacts of the co-generation facility are expected to be minimal due to the industrial character of the surrounding area. In addition, the site will include a landscaped earthen berm which would further aid in reducing aesthetic impacts. No farm land, structures, or inhabited dwellings will be impacted or removed as part of this project.

According to a cursory review and evaluation of previous archeological surveys conducted in the area there are no archaeological or culturally significant sites identified at the location. In addition, construction and operation of the co-generation facility is not expected to impact surrounding historical or recreational sites. Two historic sites were identified within one mile of the co-generation site, a lighthouse and the Toledo Yacht Club. Recreationally, there is a municipal park, a golf course and a marina associated with the Maumee River within one mile of the facility. There are no churches, schools, or cemeteries within 1 mile of the proposed project site.



Conceptual Drawing - FDS Co-Generation Facility



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