

Plum Point 1

The Plum Point 1 project consists of a 665 MW (net) coal-fired generating facility being built at a site that is a few miles south of the City of Osceola, Arkansas. This facility will provide approximately 40% of North Little Rock's needs when placed into operation. The unit will be a pulverized coal-fired boiler and steam turbine, both of which are of conventional sub-critical design. The boiler is designed to utilize primarily low-sulfur sub-bituminous Powder River Basin coal, with the flexibility to blend in alternate coals. The air permit obtained from the Arkansas Department of Environmental Quality requires that the best available control technology be utilized to keep emissions of

nitrogen oxides, sulfur dioxide, mercury, and particulate matter within the limits defined in the permit. The unit will include low NOx burners, overfire air, a selective catalytic reduction system to manage NOx emissions, and fabric filters to manage particulates emissions. A powdered activated carbon system will remove mercury from the boiler flue gas. Emission controls for SO2 will include a flue gas desulfurization system that is designed to utilize a lime slurry solution to remove SO2 and particulates from the flue gas. The project has an agreement with BNSF Railway to provide coal transportation to the site for a period of up to 20 years. The site also has an Interconnection and Operating Agreement with [Entergy](#) for the interconnection of the unit with the Entergy 500 kV transmission system through a new Entergy substation that is about one mile from the site.

