

US EPA ARCHIVE DOCUMENT

CENTRAL CALIFORNIA TRACTION COMPANY AND THE BROOKVILLE GENSET LOCOMOTIVE

The U.S. EPA provided grant funds to the California Air Resources Board for the Brookville genset locomotive at the Central California Traction Company (CCT) rail yard in Stockton. This 2010 grant is through the Diesel Emission Reduction Act.

CCT is a short line Class III railroad established in 1905 that operates on two segments of tracks in the San Joaquin Valley: the Central Valley Branch between Stockton and Lodi, and a segment from Guild, CA to a one mile industrial lead into Lodi, CA.

Central California Traction provides switching service to the Port of Stockton, handling over 45,000 car loads a year and seven customers on the Lodi Line: Penny Newman Grain, Dura flame, Pacific Coast Producers, ADM Sweetener Products, CertainTeed, Shaffer Manufacturing and transload yard in Stockton. CCT has twenty-nine employees, seven locomotives including one genset, four SW1500's, one GP18, and one GP7.

CCT has interchanges with Union Pacific (UPRR) and Burlington Northern Santa Fe (BNSF) railroads, and Stockton Terminal and Eastern Railroad in Stockton. BNSF and UPRR provide interchange to CCT at the Port of Stockton and in Stockton for traffic to and from Lodi, CA.

The New Brookville Genset Engine CCT 2101, a Tier 3 locomotive, has three QSK 19 Cummins engines which are operated based on demand. The locomotive operates between Stockton and Lodi California serving seven industries in the agriculture, canning and manufacturing.

The CCT train operates daily Monday to Friday. Handling over 5,000 rail car loads a year and eliminating over 20,000 truck trips a year. The 2101 locomotive will reduce fuel consumption by 51%, NO_x by 92% and particulate matter 90% from the current CCT locomotives. This locomotive also has a regenerative braking component (like an electric hybrid car), which provides additional fuel savings by automatically shutting off the engine whenever the electric brake is used. Brookville's CoGeneration™ platform utilizes variable speed engines and alternators – therefore power can be produced at any speed. Unlike other genset locomotives, the diesel engines in the Brookville's CoGeneration™ Locomotives are started by the alternator and are programmed in a way that the engine cranks at idle speed before fuel is introduced, thus eliminating smoke and emissions.

The CCT and its team of employees are dedicated to providing the safest world class rail service to all its customers and the Port of Stockton. All team members understand that CCT is a key component providing the most environmentally friendly mode of transportation available.