

7.23 FBC Demonstration Program, Summerside, Prince Edward Island

Principal Investigator's Name:

F.D. Friedrich

Agency and Department:

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Cooperative agencies and investigators: (if applicable)

Department of National Defence
Dominion Bridge
Foster Wheeler

Duration:

Start 1976 - Completion 1984 Total Cost \$13M.

Approximate Cost: (indicate applicable yearly period)

1982 \$8M in contracts

Objectives:

To design and demonstrate the feasibility of FBC technology for steam raising using Maritime coals and wood at CFB Summerside.

Method:

- a) Completion and commissioning of first boiler. (September 1982)
- b) Demonstration trials completed. (April 1984)
- c) Second boiler specification and installation. (February 1983)

Anticipated Results:

A fluidized-bed unit capable of burning high sulfur coal with limestone addition to produce low NO_x and SO_x emissions.