



**Maine School Administrative District #74  
Anson, Embden, New Portland, North Anson, and Solon, Maine  
Wood Pellet Boilers**



In an effort to reduce operating costs and decrease its environmental impact, Cordjia performed a wood pellet boiler feasibility study at each one of MSAD #74's four schools, Carrabec High School, Carrabec Community School, Garret Schenck Elementary School, and Solon Elementary School.

After evaluating the feasibility study, MSAD #74 determined it would be beneficial to convert the existing boiler systems to wood pellet boilers at each school.

Cordjia provided design oversight for the new boiler systems which include automatic tube cleaning, automatic ash removal, fire suppression, storage, electrical control panel to monitor and control biomass components, and vacuum transport system for delivery of wood pellets to boilers.



Cordjia is providing engineering, inspections, validation, and commissioning services in connection with the work.

Additionally, project management services are being performed for the duration of the project which include contract coordination, schedule management, substitution management, progress reporting, submittal management, change order management, and payment requisition management.



Upon completion of the installation, owner training and operation and maintenance manuals with one year warranties will be delivered to MSAD #74.

FINANCIAL HIGHLIGHTS	
Implementation Cost	\$637,500
Grant	(\$250,000)
Cost to MSAD #74	\$387,500
Reduction in Fuel Costs	70%
Annual Cost Savings	\$124,000
Return on Investment	3.1 years