

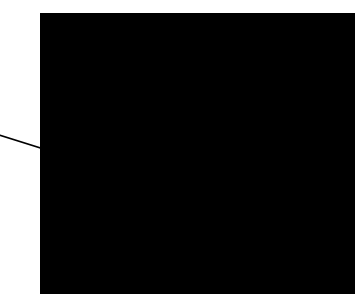
# IPRO 347: WASTE HEAT AND CARBON DIOXIDE UTILIZATION

## ROBBINS COMMUNITY POWER PLANT

EXISTING



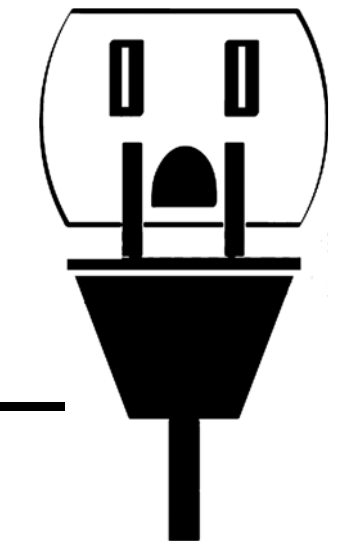
WOOD WASTE



1-3" CHIPS

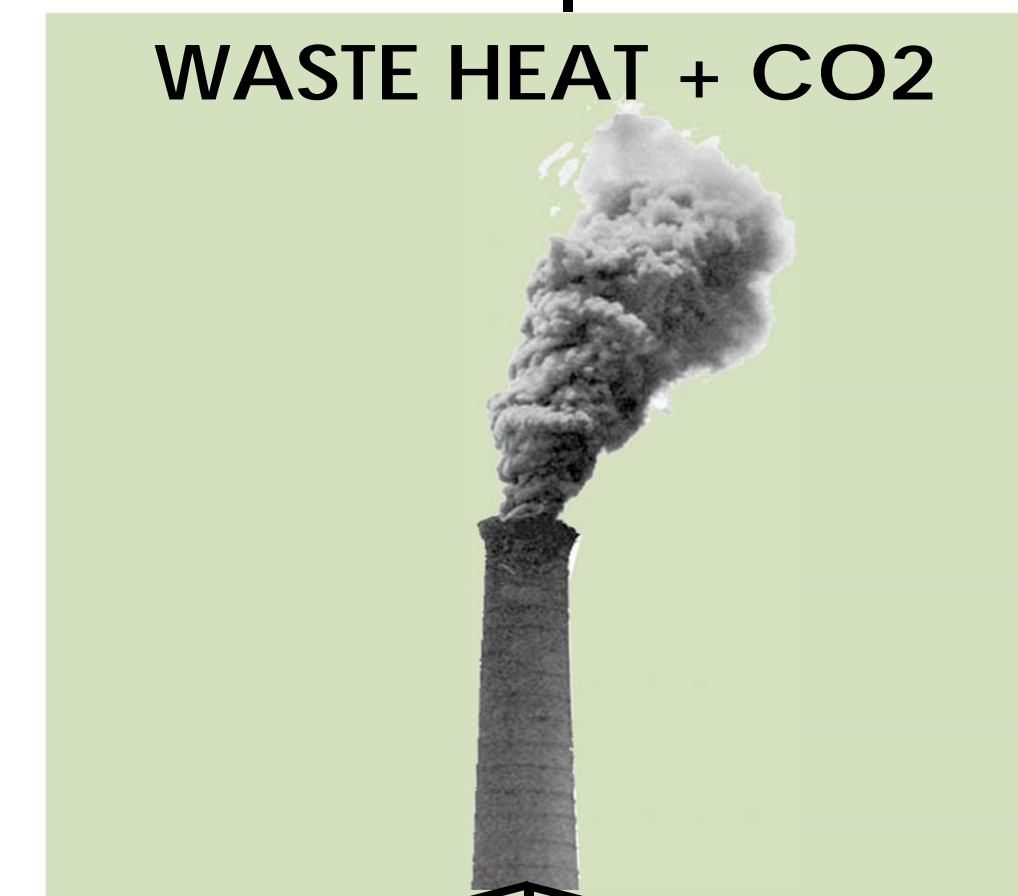
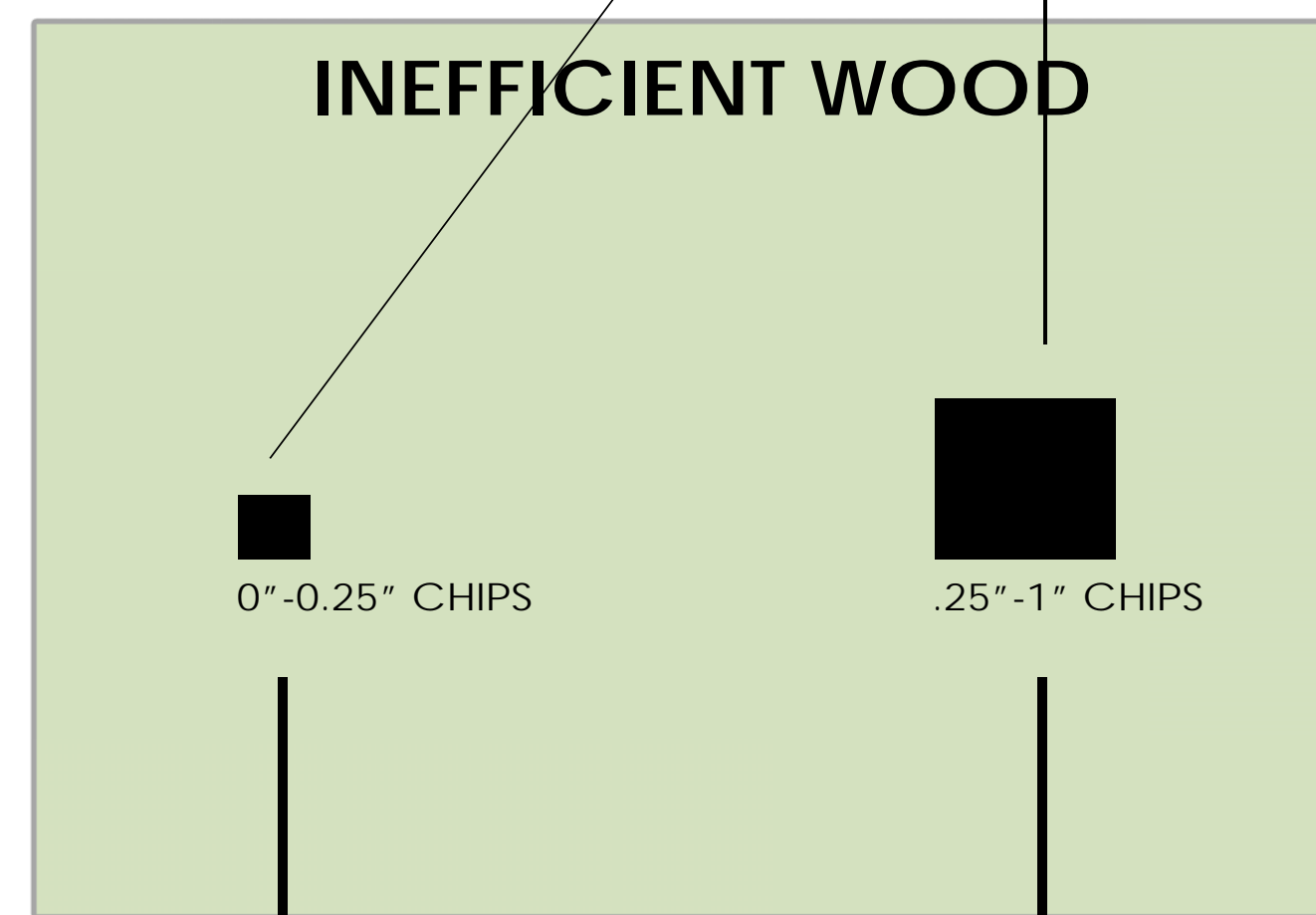


BOILER



POWER

PROBLEM



SOLUTION

PELLETIZER

PYROLYZER

HEAT EXCHANGER

ALGAE FARM

GREENHOUSE

PRODUCTS

WOOD PELLETS

BIO OIL

BIO CHAR

STEAM

BIO OIL

CROPS

TREES



FUEL



BIODIESEL



SOIL AMMENDMENT



HEATING



BIODIESEL



FOOD



TREE REPLACEMENT