Poplar

A – Feedstock handling

B – Pretreatment

Z. mobilis Enzyme

Diammonium phosphate

Corn steep liquor

C – Saccharification/fermentation

D – Product recovery

Ethanol

Evaporator syrup

Solid cake

Evaporator condensate

F – Storage

G – Combustion/turbogenerator

Biogas

Sludge

H – Utilities

G – Combustion/turbogenerator

Electricity

Treated water

E – Wastewater treatment

Air