

Augusta Canal National Heritage Area
High School Hydro Power Lesson
Post Visit Questions

After your visit to the Augusta Canal National Heritage Area hydro-electric power plant, explain how each concept is relevant to the Augusta Canal System.

Gravity/Displacement

Magnetism

Flow

Velocity

Simple Machines

Solve:

How much coal would need to be burned yearly to make the same amount of power generated yearly by the Augusta Canal at Enterprise and Sibley Mills?

About 1 kilogram of burned coal = 2.0 KWh electricity

Enterprise Mill Power Plant produces 7,600,000 KWh a year

Sibley Mill Power Plant produces 14,400,000 KWh a year