RED ROCK HYDROELECTRIC PROJECT

POWERHOUSE IS

185 FEET LONG

127 FEET WIDE

130 FEET TALL

1 TURBINE RUNNER, 16 FEET IN DIAMETER, WEIGHS AS MUCH AS **16** CHEVY SUBURBANS

A **PENSTOCK** is a large tube that carries water from the intake to the powerhouse.

TOTAL VOLUME OF WATER IN 2 PENSTOCKS EQUAL TO **two** OLYMPIC-SIZED SWIMMING POOLS or

1,192,237 GALLONS OF WATER

1 generator rotor weighs as much as 51 Chevy Suburbans

An intake is a large concrete structure with an OPENING that takes water from the reservoir and passes it through the trash racks to the penstocks

OPENING—ABOUT THE SIZE OF AN **NBA BASKETBALL COURT**

EXCAVATION

320,450 CUBIC YARDS OF DIRT & ROCK WILL BE REMOVED, ENOUGH TO COVER A FOOTBALL FIELD (INCLUDING END ZONES) WITH 150 FEET OF DIRT/ROCK

87,950 cubic yards of CONCRETE USED, or enough to cover one lane of interstate highway 12 feet wide, 11 inches thick, 41 miles long

8.5 seconds

the rate at which the project could fill an Olympic-sized pool. MAX FLOW is 10,234 cubic feet per second

ANNUAL ENERGY

the average annual energy produced by the project will provide power for 18,000 HOMES, or 178.76 gigawatt-hours

All project quantities, weights, and dimensions listed are approximate and preliminary, and are subject to change. All comparison values are approximate. For more information about the Red Rock Hydroelectric Project, go to redrockhydroproject.com, or contact Bill Radio, MRES Director of Member and Public Relations, 800-678-4042, or email him at bradio@mrenergy.com.

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