U.S. POWER PLANT

Average Annual U.S. generation: 361,800,000 KWh
Design Head: 136 feet (41.6 m)
Max. Net Generating Head: 234 feet (71.4 m)
Min. Net Operating Head: 75 feet (22.9 m)

DAM

Location: on the Rio Grande (12 river miles (19 km) north of Del Rio, Texas; 744 river miles (1,200 km) from the mouth of the Rio Grande, and 1 mi. (1.6 km) below confluence of the Devils River.

Purpose: flood control, water conservation, hydro-electric power, and recreation.


U.S. Power Plant
Capacity: Generator Speed 200 r.p.m.

Reservoir

Capacity: 2,300,000 cu. ft. (65,270 m³)
Volume: 1,507,000 cu. yds. (1,140,425 m³)
Reservoir storage: 5,535,000 cu. yds. (4,340,000 m³)

Water Temperature: Top of normal spillway: 930.0 ft. (283.6 m) above sea level.

Flood Control

Total discharge capacity: 3,700 cfs (103.1 m³/s)

Silt: Capacity 12,000,000 lbs. (5,443,000 kg)

Future Reservoir Utilization: Maximum operating head: 234 feet (71.4 m) as administered by the National Park Service, except for the recreational areas under the jurisdiction of the National Park Service, all recreation.

U.S. POWER PLANT

DAM LOCATION

General Animation:

- U.S. Power Plant
- Reservoir
- Dam
- Spillway
- Powerhouse

Reservoir

- Normal capacity: 2,300,000 cu. ft. (65,270 m³)
- Full capacity: 5,535,000 cu. yds. (4,340,000 m³)

Hydroelectric Power

- Generator Speed: 200 r.p.m.
- Capacity: 2,300,000 kw (3,100,000 hp)
- Efficiency: 114.0 ft. (34.9 m)
- Elevation: 930.0 ft. (283.6 m) above sea level.

Flood Control

- Maximum discharge: 3,700 cfs (103.1 m³/s)
- Design flood: 3,700 cfs (103.1 m³/s)

Silt

- Capacity: 12,000,000 lbs. (5,443,000 kg)

Future Reservoir Utilization

- Maximum operating head: 234 feet (71.4 m)
- Normal storage: 1,507,000 cu. yds. (1,140,425 m³)
- Full storage: 5,535,000 cu. yds. (4,340,000 m³)

Location:

- On the Rio Grande (12 river miles (19 km) north of Del Rio, Texas; 744 river miles (1,200 km) from the mouth of the Rio Grande, and 1 mi. (1.6 km) below confluence of the Devils River.

Purpose:

- Flood control, water conservation, hydro-electric power, and recreation.

Construction:


U.S. Power Plant:

- Generator Speed: 200 r.p.m.
- Capacity: 2,300,000 kw (3,100,000 hp)
- Efficiency: 114.0 ft. (34.9 m)
- Elevation: 930.0 ft. (283.6 m) above sea level.

Reservoir:

- Normal capacity: 2,300,000 cu. ft. (65,270 m³)
- Full capacity: 5,535,000 cu. yds. (4,340,000 m³)
- Design discharge: 3,700 cfs (103.1 m³/s)

Silt:

- Capacity: 12,000,000 lbs. (5,443,000 kg)

Future Reservoir Utilization:

- Maximum operating head: 234 feet (71.4 m)
- Normal storage: 1,507,000 cu. yds. (1,140,425 m³)
- Full storage: 5,535,000 cu. yds. (4,340,000 m³)

Location:

- On the Rio Grande (12 river miles (19 km) north of Del Rio, Texas; 744 river miles (1,200 km) from the mouth of the Rio Grande, and 1 mi. (1.6 km) below confluence of the Devils River.

Purpose:

- Flood control, water conservation, hydro-electric power, and recreation.

Construction:


U.S. Power Plant:

- Generator Speed: 200 r.p.m.
- Capacity: 2,300,000 kw (3,100,000 hp)
- Efficiency: 114.0 ft. (34.9 m)
- Elevation: 930.0 ft. (283.6 m) above sea level.

Reservoir:

- Normal capacity: 2,300,000 cu. ft. (65,270 m³)
- Full capacity: 5,535,000 cu. yds. (4,340,000 m³)
- Design discharge: 3,700 cfs (103.1 m³/s)

Silt:

- Capacity: 12,000,000 lbs. (5,443,000 kg)

Future Reservoir Utilization:

- Maximum operating head: 234 feet (71.4 m)
- Normal storage: 1,507,000 cu. yds. (1,140,425 m³)
- Full storage: 5,535,000 cu. yds. (4,340,000 m³)