



CREST GATES

Water Control Gates:

- Hinged Crest Gates
- Tractor Gates
- Jet Flow Gates
- Floating Bulkheads
- Roller Gates
- Tainter Gates
- Miter Gates
- Bonneted Gates
- Slide Gates

Valves:

- Fixed Cone Valves

Gate Operating Systems:

- Hydraulic Systems
- Cable Drum Hoists
- Electric Operators
- Manual Operators

The Massachusetts Resources Authority's Wachusett Reservoir Dam impounds the Nashua River, creating a 65 billion gallon water supply reservoir which serves the Metropolitan Boston area. When the dam was completed in 1905, Wachusett Reservoir was the largest public water supply reservoir in the world.

Steel-Fab designed and manufactured a 98' long crest gate at the Wachusett Reservoir Dam, to ensure safety in terms of reservoir storage capacity for the probable maximum flood.



STEEL-FAB, INC.

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Hinged Crest Gates

Steel-Fab's hinged crest gates are bottom hinged gates used for precise water level control. They are typically hydraulically operated to allow for opening during power outages in flood events. The hydraulic cylinders may be located either below the gate or at each end of the crest gate atop the adjacent piers depending on site conditions. Steel-Fab's crest gates can also be electrically operated.

Our hinged crest gates are available in a range of sizes, and consistently maintain precise flow and water level control for flood dams and hydroelectric plants. Rugged rubber seals are provided at each end and along the bottom of the crest gates to efficiently minimize leakage.

Hinged Crest Gates
Hydraulic Cylinders



Wachusett
Reservoir Dam

Hinged Crest Gates
Top Mounted Cylinders



North Canadian
River Project

Hinged Crest Gates
Electrically Operated



Crest Gates



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Steel-Fab Hinged Crest Gates