

# ENERGY HYDROPOWER

## Madison Paper Inflatable Rubber Dam Bladder Replacement

**CLIENT REFERENCE:** Provided Upon Request

### SOLUTION:

**CCB** provided access to the remote facility, completed the dewatering process and removed all clamping plates to remove the old bladder. We replaced damaged anchor bolts, repaired all concrete as required prior to installing the new rubber bladder.

To complete the project and lift the 52 ft. by 30 ft. bladder weighing 17,000 lbs to its final location 150 ft from the river bank, **CCB** utilized a "Twin-Crane lift." This allowed us to compact the schedule and deliver savings to the customer by not having to bring in a larger single crane. Spillway repairs and bladder prep took just over two weeks and bladder placement took 1 day. Final installation and testing took an additional week.

### CHALLENGE:

**CCB** was selected to complete this project. Worldwide less than 10 inflatable Dams are replaced each year. These projects offer unique challenges, including dewatering of project location, remote access, moving and locating heavy materials with cranes over a long reach.

