


# WATER RESOURCES PROJECTS WYOMING

Roller compacted concrete (RCC) has been used to construct large dams (dams over 50 feet high) in the United States since the first one was constructed in the early 1980's. Progress in design and construction over the ensuing decades have solidified RCC as an economical and resilient method to build large dams. See below for examples of successful large dam projects that have been completed in the state. Learn more by visiting [PCA's Dams Page](#).

 A red dot indicates RCC Dam project 50' and higher



| Name     | City    | Date | Max Height (ft.) | Length (ft.) | RCC Volume (cy) | Cement (lb/cy) | Flyash (lb/cy) | Upstream Facing                           | Total Project Cost (\$ Millions) (2) | RCC Unit Cost (\$/cy) (2,3) | Owner           | Designer                                       | Contractor                        | River                  |
|----------|---------|------|------------------|--------------|-----------------|----------------|----------------|---|--------------------------------------|-----------------------------|-----------------|--|-----------------------------------|------------------------|
| Tie Hack | Buffalo | 1997 | 154              | 585          | 83,000          | 142            | 101            | Formed Conventional Unreinforced Concrete | 8.7                                  | 29.57                       | City of Buffalo | States West Water & Woodward Clyde Consultants | ASI-RCC Inc. (Moltz Construction) | South Fork Clear Creek |

| Notes: |   |
|--------|---|
| 1.     | The information contained herein was compiled by the Portland Cement Association and published for informational purposes only. The user of this information is responsible for confirming the accuracy or completeness of the information. |
| 2.     | RCC unit costs do not include mobilization costs.   |
| 3.     | Cost information shown is nominal.  |