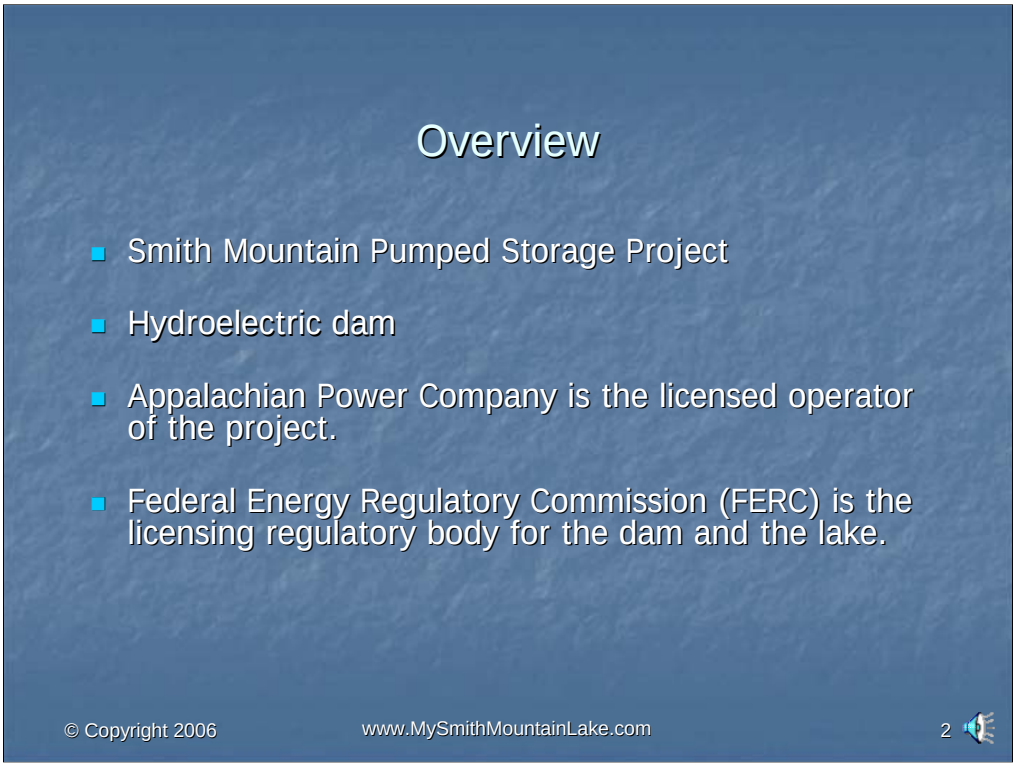
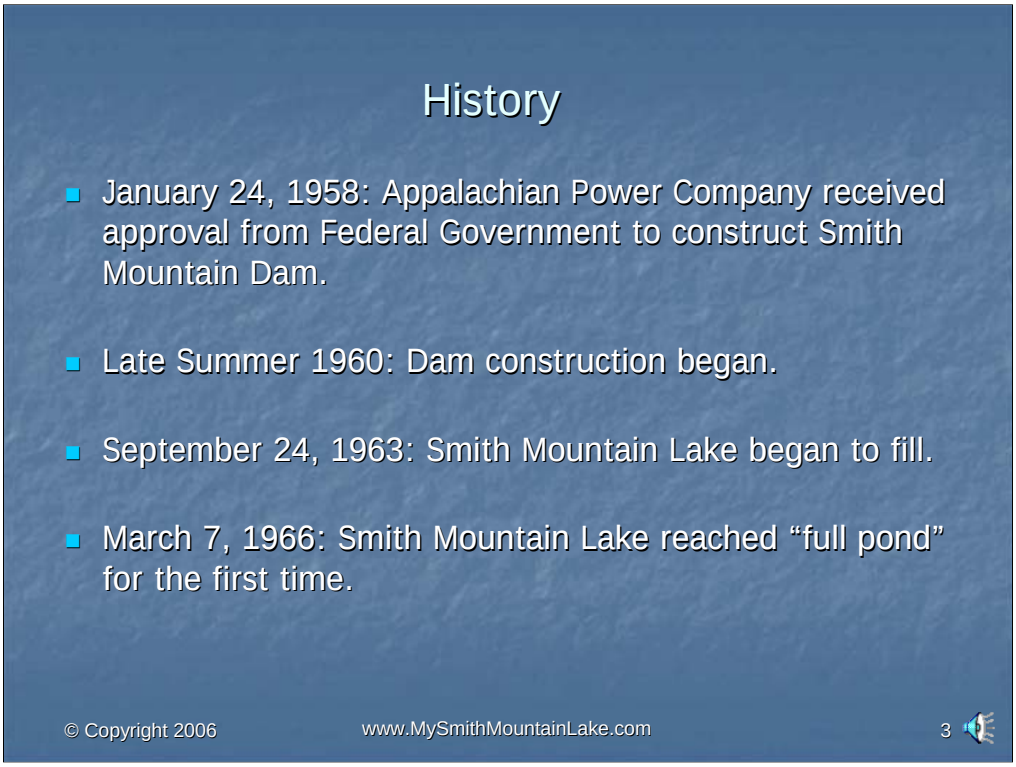
This presentation provides an introduction to Smith Mountain Lake. Specifically, we'll provide an overview and brief history of Smith Mountain Lake. Then, more detailed information will be presented on the Smith Mountain Dam and Smith Mountain Lake itself.



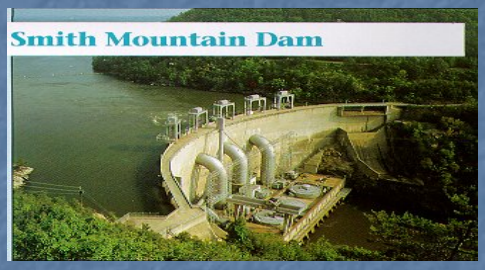
Smith Mountain Dam and Smith Mountain Lake are part of the “Smith Mountain Pumped Storage Project.” Smith Mountain Dam is hydroelectric and the water flow from Smith Mountain Lake is used to generate electricity. The dam and the lake are operated by Appalachian Power Company under a license from the Federal Energy Regulatory Commission, which is commonly called FERC.



Appalachian Power Company received permission in 1958 from the Federal Government to construct the Smith Mountain Pumped Storage Project. Actual construction on the Smith Mountain Dam began in the summer of 1960. The dam was largely completed by late 1963 and the lake began to fill. Two and half years later on March 7, 1966, Smith Mountain Lake reached its operating water level of 795 feet for the first time. When the water level at Smith Mountain Lake is at 795 feet, the lake is said to be at “full pond.”

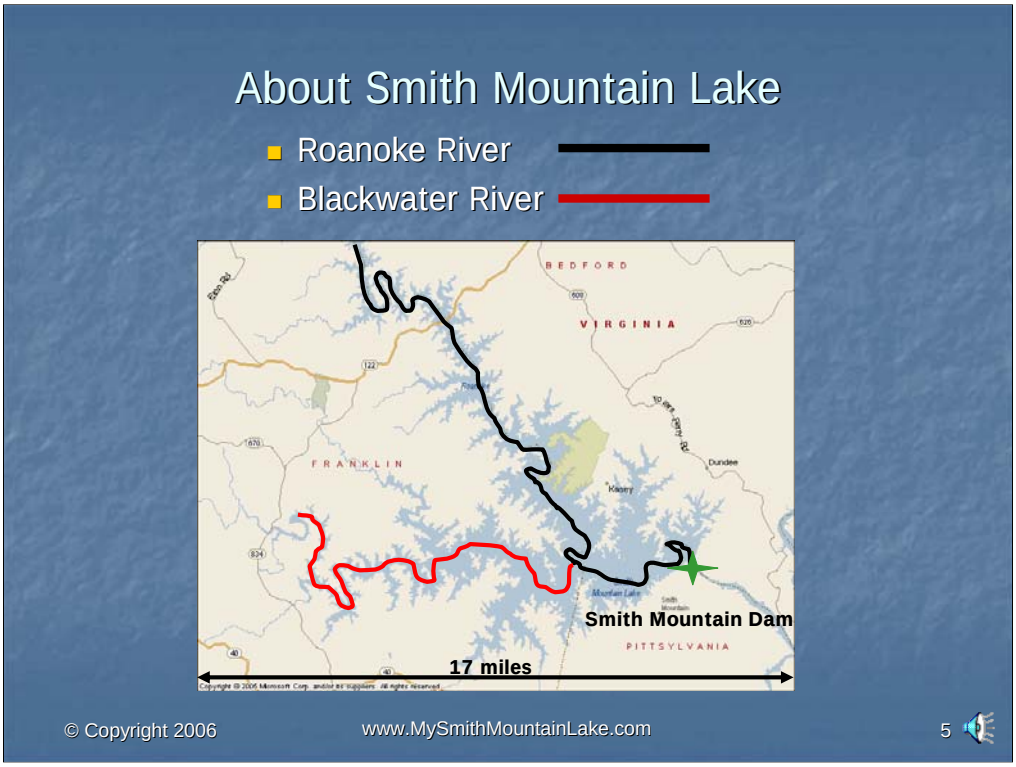
About Smith Mountain Dam

- Smith Mountain Pumped Storage Project
- 5 turbine generating units
- 560 mega Watts capacity (combined maximum)
- 235 feet high
- 816 feet long
- 30 feet thick at base
- Electricity is produced when demand is highest



Source: www.smithmtn.com

Here is a picture of the Smith Mountain Dam. The dam has a total of 5 turbine generating units with a combined electrical generating capacity of 560 mega Watts. The dam is 235 feet high, 816 feet long, and 30 feet thick at its base. Typically, electricity is generated during peak demand periods.



The location of the Smith Mountain Dam is shown by the green star. The dam backs up water from two rivers that flow into Smith Mountain Lake. The black line shows the Roanoke River. The red line shows the Blackwater River. In addition, there are several creeks that flow into Smith Mountain Lake.

Smith Mountain Lake is 20,600 acres, which is over 32 square miles and has over 500 miles of shoreline. The water level of 795 feet is the “full pond” level and the lake typically fluctuates between 793 and 795 feet under normal conditions. During periods of low rainfall, the water level drops below 793 feet. Likewise, during periods of heavy rainfall, the water level rises above the 795 foot mark.

Smith Mountain is shown in the picture at the top of this slide. The dam is located in the “V” of the mountain on the left side of the picture.

If you have any questions regarding Smith Mountain Lake, contact David Simon or Steve Cuppy at the numbers provided. In addition, please view our other narrated slide show presentations.