

**FY 2019-2020 Virginia Beach Budget
Response to Council Questions**

Question Number: FY 20 25

Question: What is the most effective plan and what do engineering studies suggest about the use of LED lights in a pool environment?

Date Requested: March 5, 2019

Requested By: Councilman Moss

Department: Parks and Recreation

Response: The current plan is to replace all ceiling lighting fixtures to LED in the pool areas at Bayside, Great Neck and Princess Anne Recreation Centers. There are a couple of benefits for using LED's especially in an indoor pool environment. Less heat will be emitted from the LED fixtures as well as the ability to emit more light with less fixtures over the water ultimately reducing the number of fixtures needing maintenance.

While the existing lights are being replaced, the ceiling in the pool area will be recoated, extending the life of the metal panels which are contained in a corrosive environment. No significant corrosion damage has been noticed and this is just a preventative measure mostly to keep paint chips and peelings from falling into the water. As further development of the recreation center's modernization strategy develops this year, special attention to the effects of a pool environment will be examined. When major center renovations take place sometime in the future new products and technologies that can more effectively handle corrosive environments will be used.