

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

Question Number: FY 20 65

Question: What is the estimated budgetary impact of lights illuminating sports fields for hours long after games are played or are called off by weather?

Date Requested: 4/8/2019

Requested By: Councilmember Abbott

Department: Budget and Management Services

Response: The Parks and Recreation Department programs all athletic field lights at elementary schools, the majority of parks, and shares programming of Great Neck Middle School with the Student Activity Coordinator. Unlike years ago, the user groups do not have access to turn lights on or off at the sites. It is now controlled by an automated system.

When a user group is assigned a field, they also turn in a lighting schedule. The request is entered into an automated system to turn on and off at specific times. For safety reasons, the lights are programmed to stay on fifteen minutes past the field use end time. This allows the group to gather equipment and safely reach their vehicles. This system eliminates situations in which lights are left on long after games are played.

Due to the number of fields assigned, it is up to the user to notify Parks and Recreation if the lights should be cancelled for weather or other reasons. Users are provided a daytime, business hours phone number, and an after-hours phone number to request schedule changes and cancellations. There is no way to quantify the hours lights might remain on due to weather or other cancellations attributed to users failing to notify Parks and Recreation.

Princess Anne Athletic Complex and City View host many tournament throughout the year. It is possible that some may see the lights on at these two facilities when games are not taking place. This is due to field crews coming in either after league games or before a tournament is scheduled to begin to prep the fields.

The lighting bills are paid by Public Works Building Maintenance. On average, the cost per kWh of electric power is \$.09/kWh. Attached is a detailed listing of what Building Maintenance has been paying per kWh for each ballfield.

Rank	Place	Usage	Total Cost	Cost /Unit
1	9069 : Ballfields - Betty F. Williams Elementary	0	\$79.08	/KWH
2	9029 : Ballfields - Blackwater Park	16,452	\$1,331.10	\$0.081/KWH
3	9032 : Ballfields - Alanton Elementary	15,040	\$1,223.64	\$0.081/KWH
4	7043 : Ballfields - Lynnhaven Elementary School	13,600	\$1,112.67	\$0.082/KWH
5	9036 : Ballfields - Newlight Park	12,000	\$991.31	\$0.083/KWH
6	7045 : Ballfields - Great Neck Middle School Track	11,260	\$936.02	\$0.083/KWH
7	9067 : Ballfields - Kempsville Elementary	10,963	\$913.24	\$0.083/KWH
8	9058 : Ballfields - Rosemont Forest Park - Field #2	9,055	\$768.03	\$0.085/KWH
9	1649 : Ballfields - Campbells Landings Park	8,166	\$700.52	\$0.086/KWH
10	9025 : Ballfields - Princess Anne Elementary	8,000	\$687.96	\$0.086/KWH
11	9030 : Ballfields - Rosemont Forest Park Field #1	7,570	\$655.08	\$0.087/KWH
12	9052 : Ballfields - Oceana Athletic Park	4,927	\$454.45	\$0.092/KWH
13	9015 : Ballfields - Seatack Elementary	3,920	\$377.29	\$0.096/KWH
14	9678 : Ballfields - Pembroke Elementary	3,280	\$328.55	\$0.100/KWH
15	9044 : Ballfields - Courthouse Field (Pendleton)	12,360	\$1,312.82	\$0.106/KWH
16	9035 : Ballfields - Woodstock Elementary School	13,200	\$1,403.34	\$0.106/KWH
17	9092 : Ballfields - Diamond Springs Elementary	2,440	\$264.58	\$0.108/KWH
18	9041 : Ballfields - Point O View Elementary School	5,640	\$645.07	\$0.114/KWH
19	1200 : Ballfields - Green Run Elementary	2,000	\$231.22	\$0.116/KWH
20	9070 : Ballfields - Betty F. Williams Elementary	177	\$92.49	\$0.523/KWH
Grand Totals:		160,050	\$14,508.46	\$0.091

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Requested by: MPodolin

Client Version:

Report version: 5

Filters: Billing Period Between Jul 2017 and Jun 2018; Building Group Equals Ballfields; ; Commodity Equals Electric; Bill is Void Equals 0; Account is Active Equals 1; Bill is from External Vendor Equals 1; ;

Record count: 20