2017 Performance Improvement Report

STRATEGIC PRIORITY

 5. Promote external relations and funding

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| **Project Name** |
| Reduction of Energy Usage in Corridors and Public Lobbies |
| **Site** | **Department** |
| Jeddah | Engineering Utility &Maintenance |
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| **Project Status** | **Project Start Date** | **Project End Date**  |
| Completed | 02-15-2017 | 07-01-2017 |

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| **Problem:** Why the project was needed?**In 2016 Electricity** Consumption density of KFSH&RC was 468 kWh/m2, which is **~ 84% higher** than international benchmarks; e.g. 254 kWh/m2 for IFMA - Healthcare Facility Management Report 2013.Current annual electrical usage for targeted normal power lighting circuits in hallways and corridors is 725,590 kWh (kilo-Watt-hour), amounting to 232,189 SAR. Giving an annual saving of ~46,000 SAR. | **Aims:** What will the project achieve?1. The target is to reduce energy usage from lighting in Hospital corridors and hallways by 20%, by reducing normal lighting circuits operation from 24 hrs. to 16 hrs. per day by the end of June 30, 2017.
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| **Benefits/Impact:** What is the improvement outcome?*(check all that apply)*[x]  Contained or reduced costs[ ]  Improved productivity[ ]  Improved work process[ ]  Improved cycle time[ ]  Increased customer satisfaction[ ]  Other (please explain) Click or tap here to enter text. | **Quality Domain:** Which of the domains of healthcare quality does this project support?*(Select only one)***Efficient** |

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| **Measures:** Performance metrics to be evaluated | **Targets:** Expected outcomes |
| 1. Annual energy use for Corridors & Hallways lighting in kWhr
 | 1. 20% reduction comparing with 2016.
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| **Interventions:** Overview of key steps/work completedLighting in public corridors and hallways are kept On 24/7, a study was done to identify the possibility of reducing the lighting levels from 10:00 pm to 6:00 am. By switching off normal lighting circuits in corridors, hallways & offices of the Hospital after hours; gave a measured and calculated reduction of >20% in electricity usage for those areas. This task was performed manually at no cost by the Maintenance Service provider staff or the hospital.  |
| **Results:** Insert relevant graphs and charts to illustrate improvement pre and post project*(insert relevant graphs, data, charts, etc.)**

**kWh***: Kilo Watt Hour - unit for measuring the amount of electrical energy*  |

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| **Project Lead** | **Team Members** |
| **Name** *(person accountable for project)* | **Names***(persons involved in project)* |
| Hani Elkhatib | Abdulrahman Al Ghatani |
|  | Amer Kassar |
|  | Saeed Alzahrani |
|  | Alanood Abdulfattah |