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. |
| **Benefits/Impact:** What is the improvement outcome?  *(check all that apply)*  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. | |
| **Interventions:** Overview of key steps/work completed  Lighting 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 |