2017 Performance Improvement Report

STRATEGIC PRIORITY

5. Promote external relations and funding

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| **Project Name** | | | |
| Reduction of Water Consumption in Hospital Toilets | | | |
| **Site** | | **Department** | |
| Jeddah | | Engineering Utility &Maintenance | |
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| **Project Status** | **Project Start Date** | | **Project End Date** |
| Completed | 02-01-2017 | | 04-30-2018 |

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| **Problem:** Why the project was needed?  Water consumption in KFSH&RC- J is 650 m3/day which is 35% above international benchmarks for healthcare facilities - (IFMA 2013); namely, 424 m3/day for our hospital area. About 40% of which is attributed to sanitary usage. This project targets reducing one factor; namely, flush water in hospital toilets. | **Aims:** What will the project achieve?   1. Reducing flush valve water flow from 3.5 L to 2.5 L per flush by May 1st 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)  Improve water availability | **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. Water consumptions in public toilets | 1. from 3.5 L to 2.5 L per flush | |
| **Interventions:** Overview of key steps/work completed  Reduced water flow per flush in toilets by 1 liter, leading to >20% reduction in water usage in toilets. There are 20 public toilets & 121 patient room toilets in the hospital; assumptions of consumption were estimated as per the below table; noting that actual water consumption measurements are recorded daily using installed flow meters installed for 3 public toilets as a baseline reference.  Achieve >20% reduction in water flush usage in toilets; which when applied to all 141 hospital toilets with automatic flush units amounts to ~ 29,000 SAR in annual savings. |
| **Results:** Insert relevant graphs and charts to illustrate improvement pre and post project  *(insert relevant graphs, data, charts, etc.)* |

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| **Project Lead** | **Team Members** |
| **Name**  *(person accountable for project)* | **Names**  *(persons involved in project)* |
| Hani Elkhatib | Marwan al Jefri |
|  | Abdulrhaman Al Ghahtani |
|  | Mukarram Ali |
|  | Alanood Abdulfattah |