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
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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[x]  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
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| **Interventions:** Overview of key steps/work completedReduced 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 |