## Riyadh Performance Contract 2008 – 2014 (6 years)



## Large array of innovative delivery models

Options $\rightarrow$ Considerations $\downarrow$	PPS	Alliance	Delegated Management	0&M	DBO	Concession
Ease of Procurement	•••	•••	•••	••		
Savings and Efficiencies Achieved	•••	•••	•••	•••	••	••
Agreeable to Employees	•••	•••	•••	•	• 11	•
Ease of Cancellation	•••	•••		••	••	
Rate Mitigation Potential				••	••	•
Speed of Implementation	••	•••			•••	•••
Allocation of Risk to the Private Sector	•	••	••	••	•••	•••
Injection of Cash Available to City	••	•	• There	•	•	•••

## **RCBU** at a glance

- Type of contract: Performance contract based on KPI
- Duration: 6 years from July 2008
- O&M company: Veolia
- Activity: Water & wastewater services
- Water services: 5.2 million people served, 1,900 water pipes laid, 25% increase of production, 530,000 new water connections, customer satisfaction of 91%

#### Wastewater services:

3 million people served, >230,000 subscribers

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## Key steps of the contract



**Step 1 -** Veolia has conducted together with NWC a detailed operations efficiency evaluation, examining every aspect of the water supply and treatment systems (including plants, underground piping, operational processes, management and staffing) to identify savings and improvement opportunities.

**Step 2 -** In partnership with the NWC, our team of experts developed a comprehensive plan and approach that can be implemented to achieve long-term savings and improvements for the day-to-day operations.

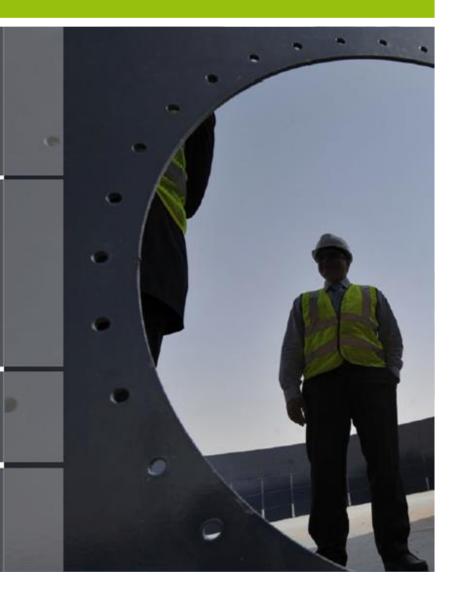
Our efforts have been centered around key areas, like the development of metrics-based performance culture.



**Step 3 -** By working hand in hand with NWC to meet the plans for progress across the utility, sustainable solutions have been deployed.



**Step 4 -** Achievement of targets based on key performance indicators (KPI) to boost productivity, identify efficiencies and reach NWC strategic goals accordingly to specific timelines.



## **Operations: Scope of Contract**

#### > Supporting & reinforcing NWC

> Delivering measurable benefits

 > Innovative model that works under paid-for-performance contract

#### Water

- > 11 treatment plants
- > 28 boosters stations
- > 260 wells
- > 9,000 assets
- > 2,500 work orders per month

#### Wastewater

- > 6 treatment plants
- > Treatment capacity: 900,000m3
- per day
- > 5,000km network
- > 270,000 connections
- > 9 pumping stations
- > 3,365 assets
- > 3,200 work orders per month

## **Drinking Water Production & Operations**



# Wastewater Collection Treatment & Distribution

- **25,000 new connections** are made each year to the wastewater network in Riyadh.
- Safe, sustainable and controllable systems to recover and treat wastewater.
- **Reuse** of the water and the residuals are also amongst priorities to maximize the use of water resources.

## Wastewater network improvements thanks to the implementation of news tools and initiatives

- New activities: House -Connections and trunk line cleaning
- CCTV inspections
- Survey of 9,000 clients for industrial discharges

#### 2 Wastewater treatment plants operations progresses

- Organizational change program
- Improved team communication and planning
- Improved effluent quality
- New treatment works
- Sludge processing
- British Safety Council International Safety award
   received thanks to the safety culture change

## **Customer Service**

 In a horizontally built city, > 420,000 customers, a significant population growth and limited water resources, Riyadh City presents specific challenges!

Send pro-actively free tanker to customers
 identified as not receiving supply from the network
 in order to avoid water shortage, and improve
 customer satisfaction experience

- Increasing water conservation through the detection of violations
- 3 Meter surveys have enabled 80,000 properties to be inspected and repaired when necessary. It represents a volume of 15 millions m<sup>3</sup> saved after 14 months

- 4 New Customer Services Headquarter
- 5 Six customer service centers with renewed corporate identity to serve better the subscribers in Riyadh
- 6 Set up of a single call center to increase customer contact performance
- Implementation of the new Customer Service Software, as part of the strategic projects launched by NWC.

## **Human Resources**

- Supporting the growth of employees through Identification and delivery of tailor-made training across various disciplines
- 2 Development of a performance management system to increase staff productivity and efficiency
- 3 Assessment of all Riyadh employees (4,300 people) according to Foederis method designed by Veolia' Human Resources department. This ambitious program is the basis of the reorganization and transfer plan of the RCBU personnel
- Development of a strong Health & Safety culture through continuous safety improvements (training, PPE, chlorine/ chemicals use, etc.)
- 5 Establishment of a training center with totally new training procedures.



> More than 265,000
training hours to 16,000 people
> 78% of the training are
conducted
internally
> Significant improvement in
absenteeism thanks to
department
training coordinators
> 74 courses developed and
brought
by Campus Veolia are available
in the training catalogue

## **Latest Developments**

#### Pressure management

As a part of the action plan to improve the efficiency of the network and improve the continuity of water supply in Riyadh, the decision had been taken to implement a pressure modulation system in the areas of AlMourouj and Nasseem Zone, representing around 40,000 house connections.

#### AMR – Smart metering

Smart metering has been implemented in the Al Mourouj area, where all the customers' meters have been replaced for AMR (Automatic meter Reading) meters.



#### The results:

 > Detailed knowledge of the customer consumption and evolution
 > Non Revenue Water follow-up, as both the volumes consumed and distributed are available

#### The advantages of modulated supply are:

- > Network protection and reduction of the number of bursts
- > Oriented leak detection and leakage reduction by monitoring the night flow
- Increase the continuity of supply and reduction of the shortages complaints while controlling the quantity of water needed