







Water Infrastructure & Quality, Patrick Robinson





















































Improve efficiency of bulk and zone metering in all areas;

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- Water supply area divided into pressure (reservoir) zones;
- Bulk meters installed or repaired at reservoirs;
- Reservoir meters connected to telemetry system to record usage;
- Properties linked to reservoir zones on financial data base;
- Manage water balance in smaller areas;
- Pick up leaks or abnormal high usage easier





















Results



- Pipe failures reduced from average 41/month to 25/month
- Water Demand decreased from 9 054 Ml in 2008/09 to 7 219 Ml in 2012/13 (-20.3%)
- Water Losses decreased from 2 467 Ml in 2008/09 to 1 842 Ml in 2012/13 (-25.3%)
- Water Loss % reduced from 28.5% in 2010/11 to 25.5% in 2012/13 (-10.5%)





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Way Forward

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- Additional Pressure Management
- Continuous Pipe Replacement
- Continuous Water Meter Replacement and Indigent Leak Repairs
- Zone Water Balancing
- Monitoring of ILI's per Zone
- Focused Mains Leak Detection and Repairs
- Continuous Co-operation with Finance



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