

# **The Water Efficiency Network Regional Approach to Water Efficiency**

**Glasgow Caledonian University, Scotland  
28<sup>th</sup> April 2015**

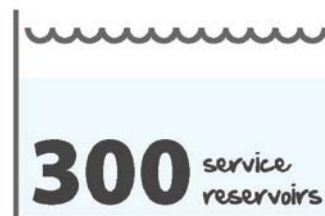
**Northern Irelands Approach to Water Efficiency**

**Alan Crilly  
Clean Water Asset Strategy Manager**

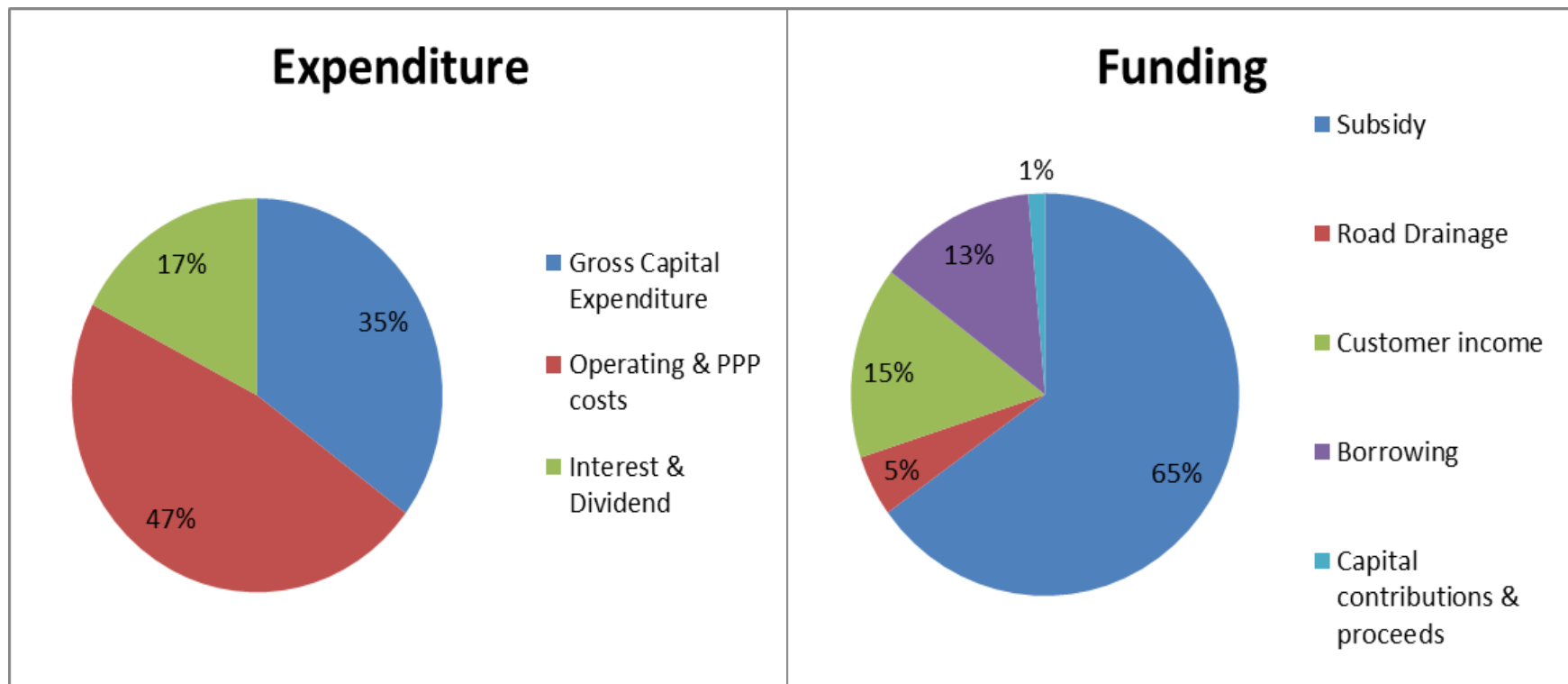
# Presentation Structure

- 1) NI Water, Background**
- 2) Supply, Demand and Water Balance**
- 3) Northern Ireland Approach**
- 4) Conclusions**

# NI Water - At a Glance



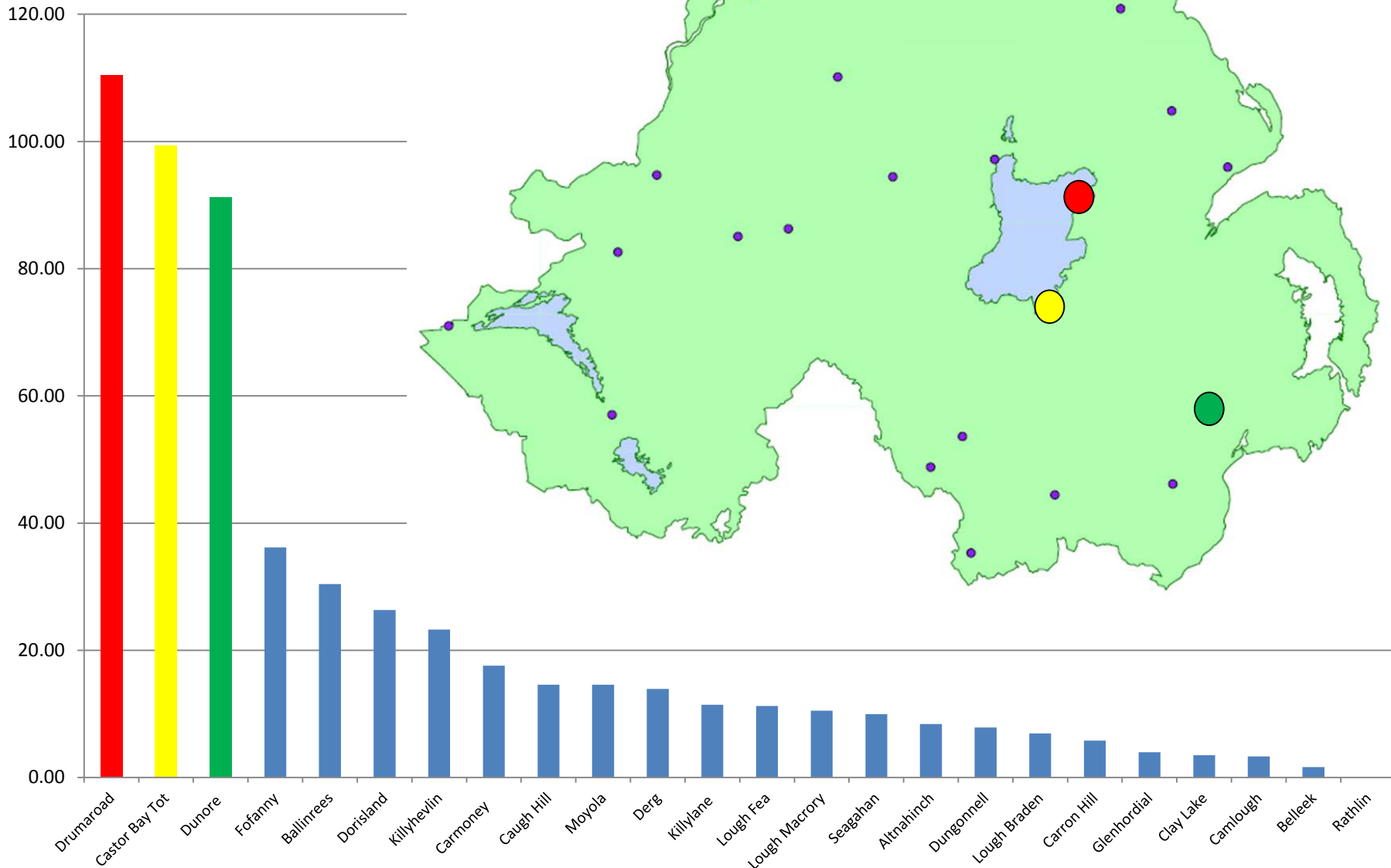
# PC15 Expenditure & Funding



Total cost of delivering this plan calculated as £2.8bn - funded through £2.4bn revenue and £0.4bn borrowing.

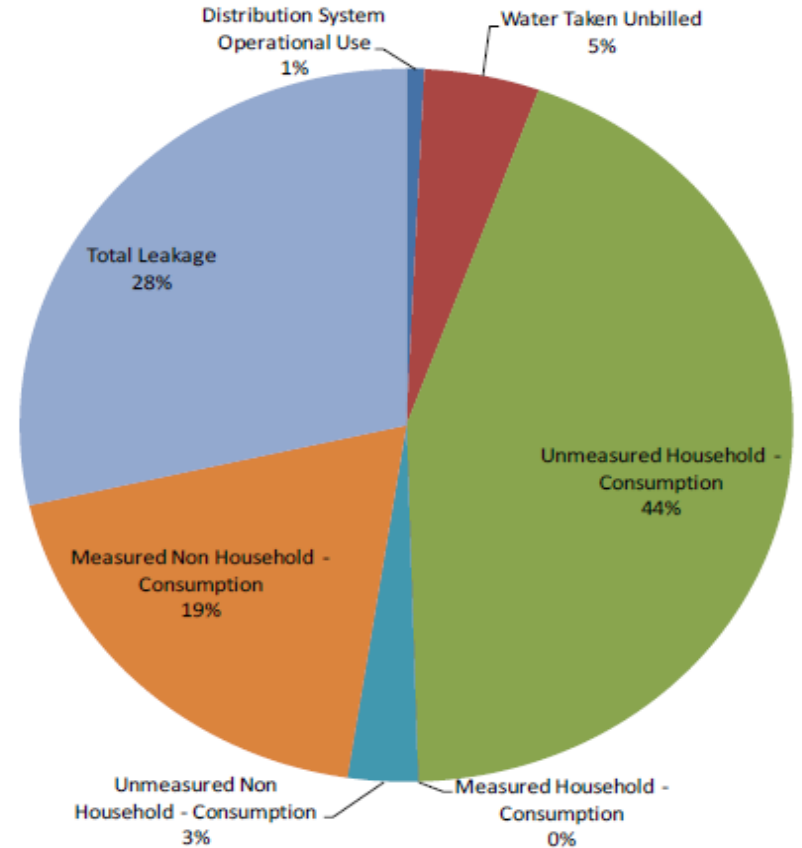
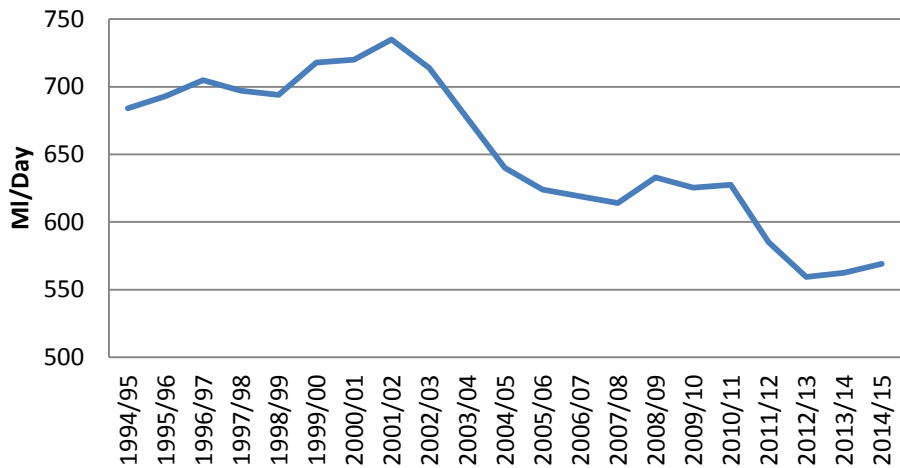
# Water Resources

Deployable Output (2014/15) = 774 MI/Day  
 Distribution Input (2014/15) = 562 MI/Day



# Water Demand

**NI Water Distribution Input**



Distribution Input	Operational Use	Distribution Losses	Water Delivered	Supply Pipe Leakage	Water Used	Wastewater Returned
584	3	122	459	46	413	319

# NI Executives - Long Term Water Strategy



Department for  
**Regional  
Development**  
[www.drdni.gov.uk](http://www.drdni.gov.uk)

SUST  
WAT

A long  
for Nor

Social and  
Environmental  
Guidance for Water  
& Sewerage Services  
(2015-21)



October 2014

## Priorities

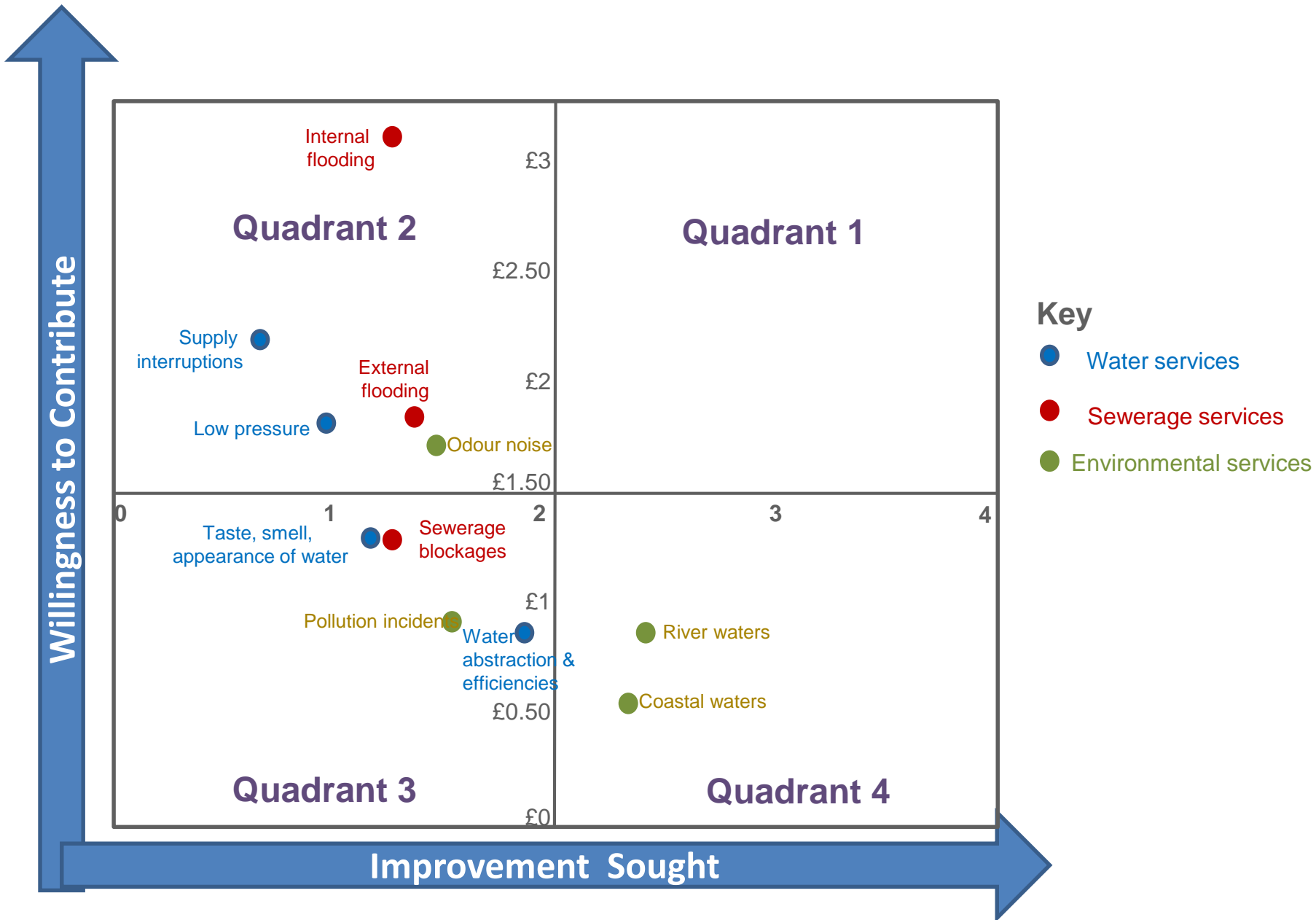
### Priority WS 8

Prepare and implement a Water Demand Management Strategy (WDMS) focussed on moving towards the proposed water strategy's long-term target of 130 l/h/day.

### Priority WS 9

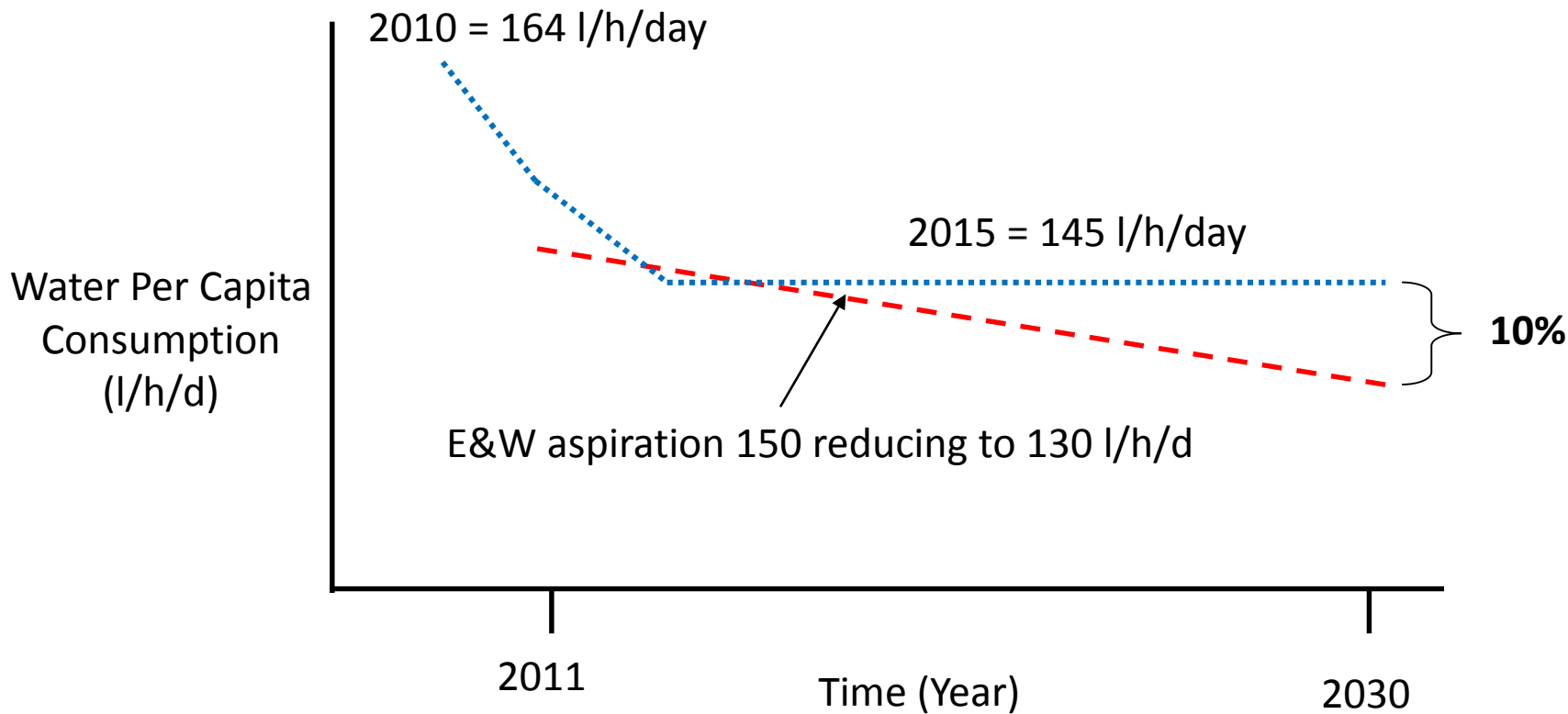
Work with DRD and other stakeholders to develop policies in respect of water efficiency measures in homes and businesses. This includes investigating opportunities to work with other government departments, utility providers or NGOs to find mutually beneficial projects in which water efficiency can be highlighted or implemented (e.g. water efficiency and lower energy bills)

# Customer Views - Domestic Willingness to Contribute

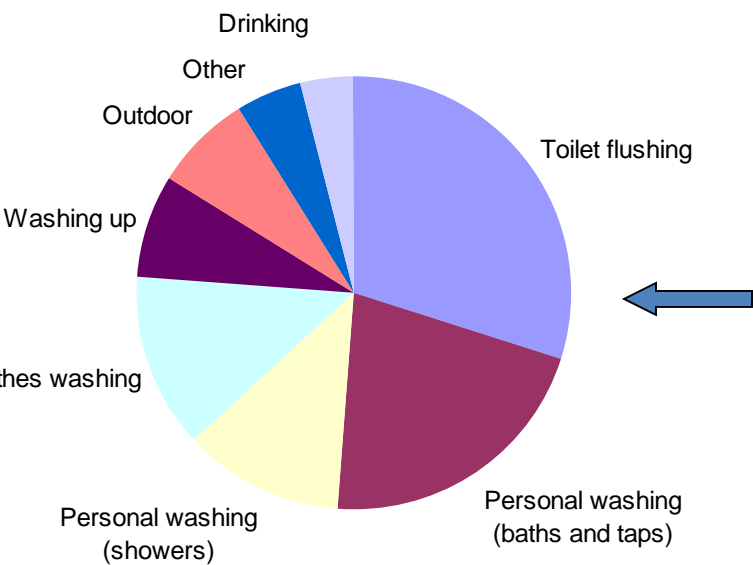




# (PCC) Per Capita Consumption



# Household water use



Typical water use per household (supply pipe leakage excluded)  
386 L/prop/day

Water requiring heating  
178 L/prop/day



# What are we doing?

## Education – Domestic

NI Water's Water Education Team consists of two personnel serving schools, community and specialist groups, stakeholders and partners. Sixty percent of their time is spent promoting water efficiency.

## Northern Ireland Sustainable Energy Programme,

- Shower regulators & Water saving information
- 10,000 members of the public at shopping centres around Northern Ireland



# What are we doing?

## Education – Non-Domestic

- Water Efficiency Day at Fofanny Water Treatment over 30 businesses attended.
- Presentation to Northern Ireland's Council Energy Managers at their December meeting.
- Larger user discount scheme, dependent on the commitment of the customer to water efficiency.
- Updated website;
- Dedicated section to commercial water efficiency:
  - Why Save Water?
  - What is Normal Water Use?
  - What is a Water Balance?
  - Water Efficient Plumbing Appliances?



# What are we doing?

## Products

- 1) Cistern Displacement
- 2) Water Butts
- 3) Shower Timers
- 4) Gel Bags
- 5) Trigger Guns
- 6) Shower Heads
- 7) PR Items





## Conclusions

- NI Water reasonably placed with current PCC and Supply Vs Demand
- Customers & Regulators want water efficiency, but some reluctance to finance it
- Education is NI Water's current primary approach
- Current approach okay for now, may need expanded if further drivers warrant.

**Thanks for Listening.**

**Any Questions?**