Understanding Legacy

Insight to support the water industry's future investment plan

Prepared for Scottish Water and the Customer Forum May 2019



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As part of the SR21 programme, this research will uncover how different generations plan for legacy, what the current service expectations are for the water industry and how domestic and business customers would like to prioritise future investment

The research objectives in detail



The research explored the intergenerational relationship when it comes to legacy and how Scottish Water fits in. The broader subject of 'legacy' was addressed first, before understanding how the water industry plays its part

OVERARCHING OBJECTIVES

DETAIL

Do customers plan for the future?

Consideration of the future: Exploring how customers plan and think about future generations - actual behaviours displayed

What does 'legacy' mean to customers?

Legacy: Understand views and priorities for legacy across generations and different customer types

Historical context

Context: Through considering previous legacies such as Victorian infrastructure and the NHS – how these shape what customers think should be left behind by the current generation

Scottish Water's role in the priorities for legacy

In relation to the water industry: Discover where the water industry, and therefore Scottish Water, fits into the bigger legacy picture

Current service levels

Current foundation: Question whether current service levels are in line with building towards this legacy, exploring both praise and areas to improve

Future₄

What should Scottish Water do in the future? Pinpoint what Scottish Water should focus on in terms of investment, understanding what is achievable, highlighting what customers class as the most important, and how this differs between generations and different customer types

Multiple methodologies were employed





Digital Immersion

40 participants, over 1-week, completing online tasks to give us a porthole into their day-to-day life and thoughts



Semiotic Analysis

Understanding how people's cultural environments shape their beliefs, expectations, attitudes and behaviours at an unconscious level



Business Depths

12 x 15 min telephone interviews to gain industry views and opinions through a business lens



Family Immersions

6 x 2-hour Intergenerational family immersion sessions to understand where consensus and disagreement lies across the topics



Conflict Session

2 x 2-hour sessions with 10 people from a variety of backgrounds brought together to discuss and debate legacy topics



Online Survey

1000 participants, 800 households + 200 businesses. A 15-minute survey with maximum difference analysis

Throughout this document this key will be used to highlight views from different customer groups



Pre-family
/ (future
bill payers)

Family

Post-family

Customers with vulnerabilities

Key insights – what legacy means to customers

Legacy is what people 'leave behind' for their family and wider society. The actions taken today that leave a future legacy are not conscious; it's all part and parcel of everyday life

Planning for the future differs across generations

Younger generations: Securing own future and protecting the environment

Families: Working hard today to set the right foundations for future generations. Those in financial hardship are more likely to worry about the here and now rather than the future **Older generations:** Reflect and reset – what's left to plan?

The most important personal legacies are intangible:

- Family held traditions
- Morals and values be a nice person/work hard
- Making a positive contribution to society helping others/looking after the environment





Key insights – how customers experience water

The water industry and its assets are largely hidden

The water industry works efficiently in the background, largely out of sight, affording customers the luxury of rarely needing to consider it

The legacies that customers would like to be left for Scotland as a whole form the 'Scottish identity'. Water plays a part in all three:

The Scottish landscape – the hills and the lochs enjoyed by customers and attract tourists - made great by the plentiful supply of rain

Art, culture and community – friendly hard working people, quality drinking water, food and drink

Industry and innovation – the water industry has a part to play in carrying on the legacy of Scotland as a place of innovation

Differences between customer types:

Current bill payers, businesses and those with vulnerabilities want the water industry to continue the legacy of working efficiently in the background

Some **future bill payers** are more tuned into the water and innovation agenda – there's a keenness to learn how industry is working to support the environment

How domestic and business customers would like to prioritise future investment

Top five overall priorities (Statistical MaxDiff exercise):

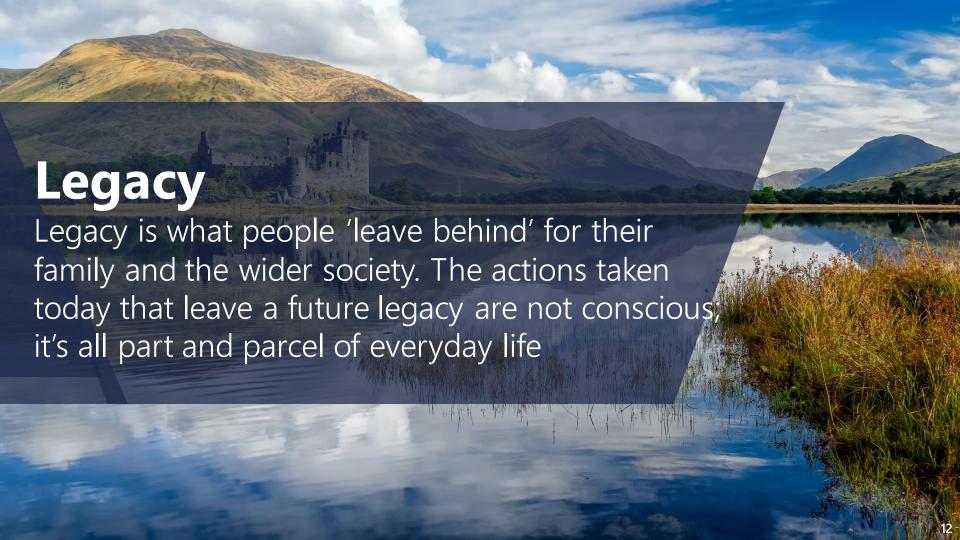
- 1 All of Scotland has high quality drinking water Top priority for current bill payers
- All of Scotland has a consistent supply of water
 A priority area for both current and future bill payers
- Replace ageing assets to maintain services and protect the environment

 A priority area for both current and future bill payers
- 4 Collect, treat and recycle waste water
 Generating income appeals to current customers and protecting the environment appeals to future bill payers
- Provide services at a fair and equitable price

 An average priority for current bill payers







Legacy is not an intuitive topic that customers plan for consciously. However there are differences in how it is viewed across a lifetime





PRE-FAMILY (future customers)

Those starting out into adulthood are in a planning frame of mind. They're thinking about education, housing and work



FAMILY

Customers are busy with work and families and the focus shifts on to the "here and now" and getting through the day-to-day. Planning takes a back seat



POST FAMILY

Have less to plan for longerterm. Planning becomes more reflective: What else is there left to do in my life? For my family? For my community?

Morals, traditions and values are what customers want to leave behind, rather than tangible assets



Planning for a legacy is less about the ability to pass forward material wealth and more about maintaining shared values and beliefs

PRE-FAMILY

Find it hard to articulate what legacy means. They place emphasis on preserving the environment, and combatting climate change

FAMILY

Want to ensure future generations are left with the right mental and financial legacy: education, health, housing, jobs, values and morals

POST FAMILY

Want to leave behind security, values and traditions for their family, the wider community and Scotland as a whole

THOSE WITH VULNERABILITIES

Are more focused on the here and now.

Customers are united by a strong sense of Scottish heritage and identity; these form priority legacies



Individuals, communities, businesses and organisations all have a part to play in securing the aspects of Scottish identity that are most important, and should be left as a legacy for future generations



Scottish Landscape

mad to ruin it



Art, culture & community



Industry and innovation

Whilst all want to secure a future for Scotland, there is a generational divide on how best to achieve this





Want Scotland to thrive through **financial** and economic security, and continue as a skilled, knowledgeable and inquisitive nation

I'm making plans to ensure my will is in order I'd like the see the industry and ingenuity of Scotland make a come back



Are focused on **the environment**. They want to see more businesses and organisations actioning these values

Everyone I know carries a reusable water bottle now

I don't want to be known as the generation that let the planet down

Those with vulnerabilities

or customers with vulnerabilities, the focus is on the aspects of legacy that have the biggest personal impact, i.e. housing, education and skills

Let's hear from some participants on the topic of legacy...





Images and videos from community







Scottish Landscape

Art, culture & community



CAN'T SEE WHY IT COSTS ANYTHING



Future planning for the water industry is an abstract concept for customers, little thought is given to how it should be prioritised





Current bill payers

Little thought is given to how much water charges are and how the money is spent



The water in Scotland is great...but it's not something I have thought about before this research



Accustomed to high levels of water quality and consistent supply. They don't see this changing for any reason



Natural resource

Hard to contemplate Scotland running out of clean water





Hidden infrastructure

Pipes are hidden beneath ground: out of sight, out of mind. Treatment works are also largely out of sight



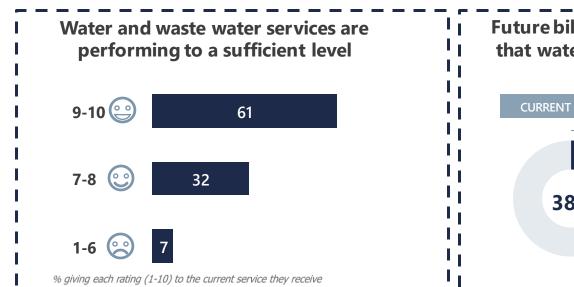
Hotter summers

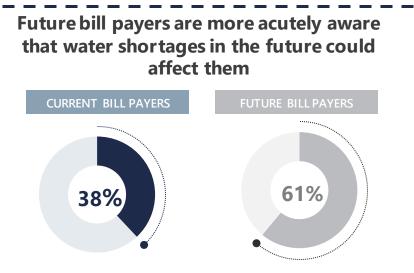
Last year's hot summer was the first time some customers considered that they might need to start being more conservative

Q4a. Which one of the following provides drinking water services to your home? (Base: 803)

The water industry is performing as expected for now, but can't rest on its laurels







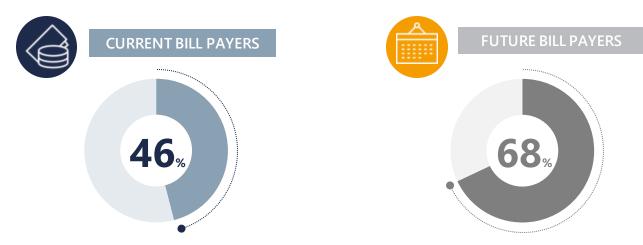
Q4b. Please rate the current service that you receive from your water provider. (Base: Current Bill Payers - 704)

Q3. For each statement below, please select the option that best describes your feelings. (Base: Future Bill Payers – 99; Current Bill Payers – 704; Vulnerable – 206; Non-vulnerable – 597)

Future bill payers are more concerned about the impact of climate change on Scotland's water supply



% agree: I am concerned about the impact of climate change on Scotland's water supply





Those with vulnerabilities are significantly more likely than non-vulnerable customers to agree (**55% vs. 47%**)

Future bill payers are future-thinking and are less likely to prioritise short-term gains over sustainability



% agree: It is more important to focus on fixing current problems than it is to think about sustainability and renewable energy

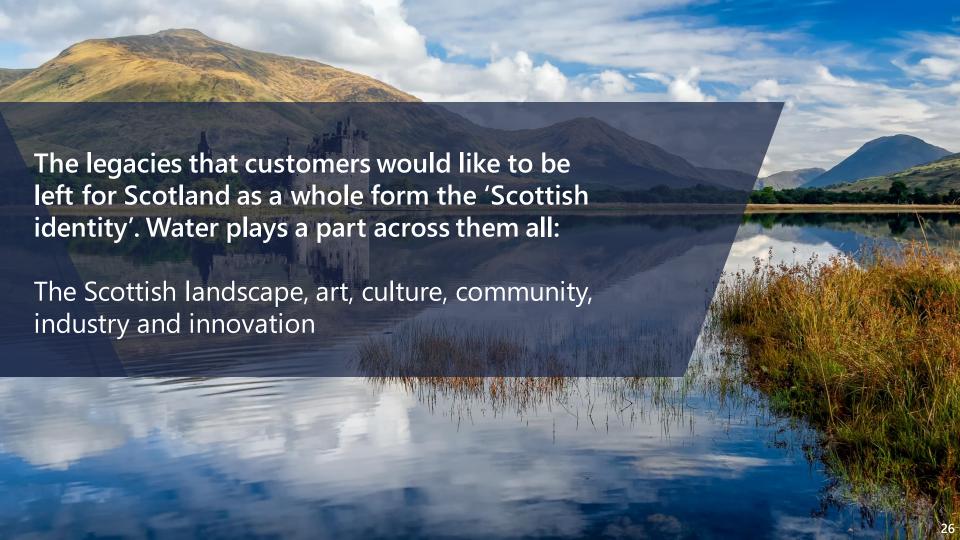


Agree	28%
Disagree	39%
Neutral	31%
Don't know	1%



FUTURE BILL PAYERS

Agree	11%
Disagree	62%
Neutral	24%
Don't know	3%





There are a number of potential changes to the landscape, culture and industry that could influence the water industry





Customers know that the climate lends itself to a beautiful landscape that is enjoyed by all. However:

- Water is becoming less reliable and increasingly unstable
- Population shifting to urban areas may put more pressure on the infrastructure
- There's concerns for climate change



The people and the food and drink industry are core to the Scottish identity. However:

- / Households are getting smaller
- Food and drink trends could Whisky lose popularity?
- Could people move back to drinking bottled water?
- Health focusses change i.e. 2 litres of water a day!



There's great pride in Scotland's industriousness and innovation. However:

- When employment becomes more uncertain, people are less optimistic about innovation
- Technology helps some people to cope and control household resource but also leaves some people behind I.e. metering, apps for utilities



The water industry has permission to go beyond just 'maintaining'. There's a role to play in innovating and influencing



Infrastructure



Image from community

Innovative, forward thinking tech approaches are all welcome to ensure a robust water supply in the future

Circular Economy



Image from community

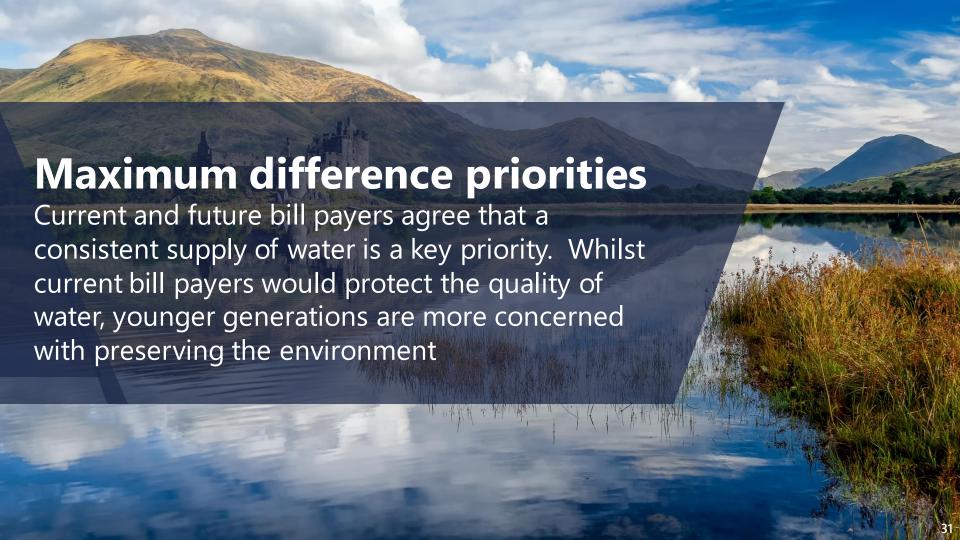
Carbon neutrality is a key focus for many customers.
As more companies take this approach, it is becoming an expectation

Influence and policy

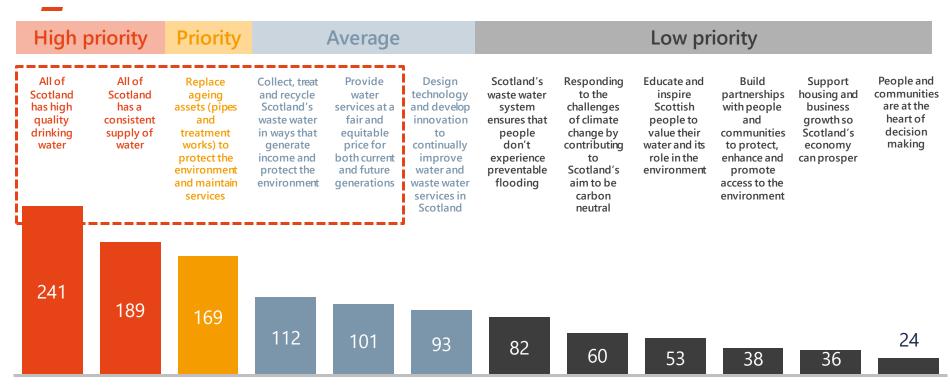


Image from community

The water industry has permission to influence and push for legislation and business best practice to secure the future of water in Scotland



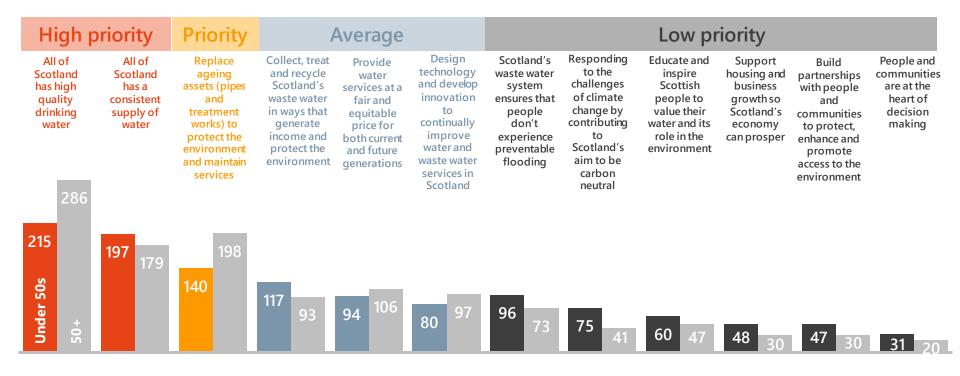
Overall, customers consider high quality and consistent water supply to be the greatest priority



Importance (100 = average importance)

Within current bill payers, priorities do not differ significantly between under 50s and those aged 50+

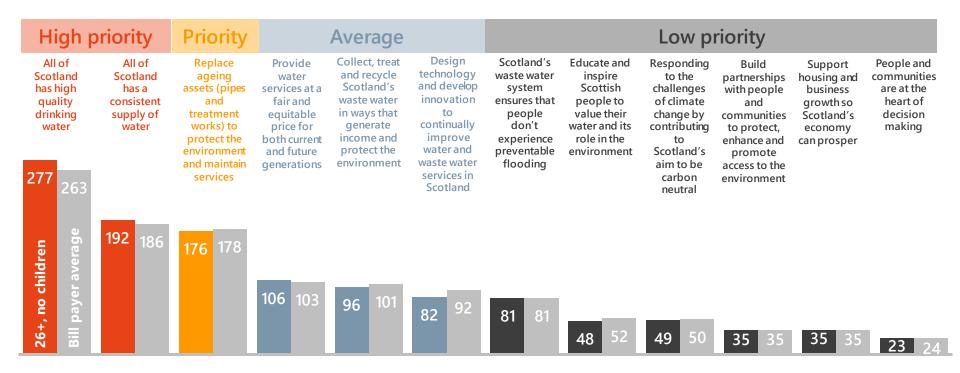




Importance (100 = average importance)

The priorities of bill payers aged 26+ without children are not significantly different to the average bill payer





Importance (100 = average importance)

Q6. On each screen, please tell us which you think is the most important, and which you think is the least important. (Base: Current bill payers – 704; Those aged 26+ without children – 222)

Priorities change across generations.

Let's hear from some customers...

Current bill payers:

- Want to protect the quality of the drinking water above anything else
- Are accustomed to the water and waste supply as it is, and are rooted in the status quo – they are resistant to change
- Find it hard to imagine that the water industry will ever be unable to maintain supply and waste services

Top 3 priorities for current bill payers

Quality drinking water	Consistent supply of water	Replace ageing assets
263	186	178

Future bill payers:

- Are more willing to compromise on water quality to ensure a consistent supply for generations to come
- Are tuned in to the messages they hear through the media and friends about Scotland becoming carbon neutral
- Place the environment above all else

Top 3 priorities for future bill payers

Recycle waste water	Being carbon neutral	Consistent supply of water
201	199	184

Importance (100 = average importance)

There's an understanding that bill payers may need to contribute to protect current levels of service



Replace ageing assets (pipes and treatment works) to protect the environment and maintain services		72%		2	22%	6%
All of Scotland has high quality drinking water		60%		33%		7%
All of Scotland has a consistent supply of water		58% 35%		35%		6%
Design technology and develop innovation to continually improve water and waste water services in Scotland		56% 35%		35%	9	%
Scotland's waste water system ensures that people don't experience preventable flooding		50% 39%		39%	129	%
Collect, treat and recycle Scotland's wastewater in ways that generate income and protect the environment		48%		42%	9	% - 2
Provide water services at a fair and equitable price for both current and future generations		43% 479		47%	10	%
Respond to the challenges of climate change by contributing to Scotland's aim to be carbon neutral	4	40%		49%	10	%
Support housing and business growth so Scotland's economy can prosper	21%		67%		129	% 2
Educate and inspire Scottish people to value their water and its role in the environment	20%		72%		8	8%
Build partnerships with people and communities to protect, enhance and promote access to the environment	18%	73%			% 2	
People and communities are at the heart of decision making	11%		78%		11	%
Post-family customers are		■ This would ju	ustify a slight increa	se in water and waste	water charges	
significantly less willing to pay for these than other customer types		■ This would n	ot justify a slight in	crease in water and wa	aste water char	ges

Q7. For each of the statements that you have just seen, please select the option that best represents your feelings. (Base: 803)

Future bill payers are more open to price increases on a number of key priorities



% who feel a slight increase in water charges is justified	Domestic - Overall	Current bill payers	Future bill payers
Replace ageing assets (pipes and treatment works) to protect the environment and maintain services	72 %	72%	75%
All of Scotland has high quality drinking water	60%	59%	71%
All of Scotland has a consistent supply of water	58%	56%	75%
Design technology and develop innovation to continually improve water and waste water services in Scotland	56%	54%	72%
Scotland's waste water system ensures that people don't experience preventable flooding	50%	48%	60%
Collect, treat and recycle Scotland's waste water in ways that generate income and protect the environment	48%	44%	77%
Provide water services at a fair and equitable price for both current and future generations	43%	41%	59%
Respond to the challenges of climate change by contributing to Scotland's aim to be carbon neutral	40%	36%	69%

Those with vulnerabilities

Are more willing to pay more for...
Respond to the challenges of climate change by contributing to Scotland's aim to be carbon neutral

(46% vs 38%)

Educating and inspiring Scottish people to value their water and its role in the environment (28% vs. 17%)

I would be willing to pay to protect the environment

I would like to see metering so that those who are using the water most are paying more for it

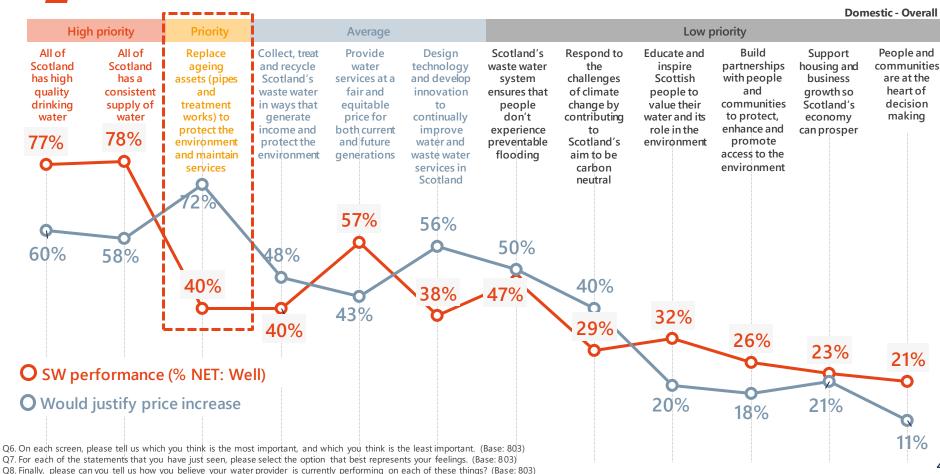
Current bill payers aged 26+ with no children do not differ in their willingness to pay more for key priorities



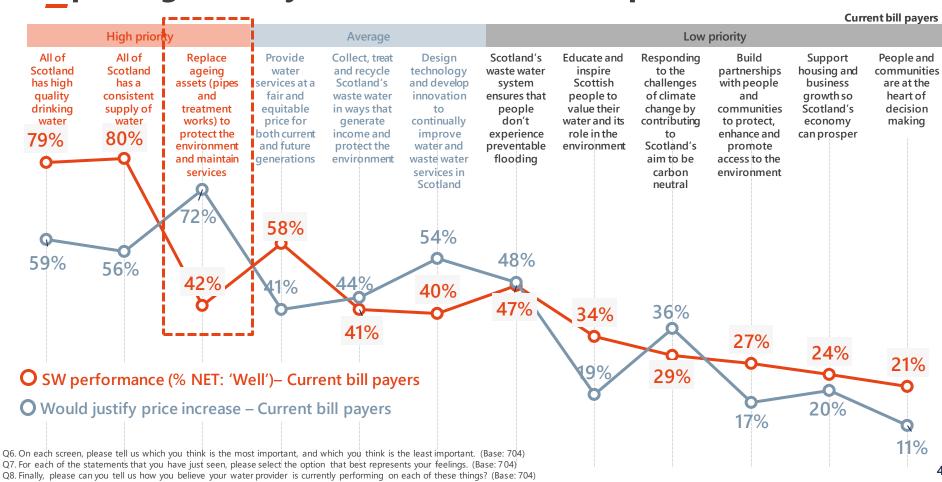
% who feel a slight increase in water charges is justified	Current bill Payers - Average	Current bill Payers – 26+, no children
Replace ageing assets (pipes and treatment works) to protect the environment and maintain services	72 %	70%
All of Scotland has high quality drinking water	59%	63%
All of Scotland has a consistent supply of water	56%	60%
Design technology and develop innovation to continually improve water and waste water services in Scotland	54%	50%
Scotland's waste water system ensures that people don't experience preventable flooding	48%	50%
Collect, treat and recycle Scotland's waste water in ways that generate income and protect the environment	44%	48%
Provide water services at a fair and equitable price for both current and future generations	41%	38%
Respond to the challenges of climate change by contributing to Scotland's aim to be carbon neutral	36%	36%

Q7. For each of the statements that you have just seen, please select the option that best represents your feelings. (Base: Current bill payers – 704; Those aged 26+ without children – 222)

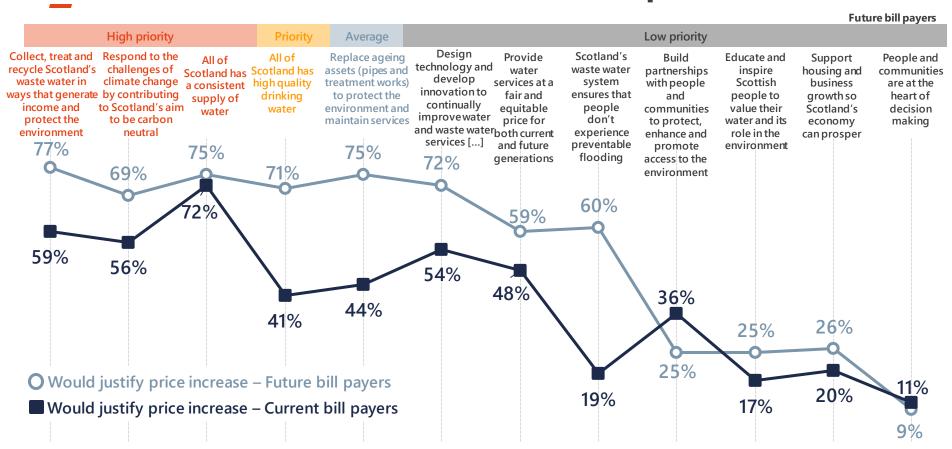
Replacing assets justifies increases, but performance is low



Replacing assets justifies increases, but performance is low



Future customers are more amenable to price increases



Many customers do not feel sufficiently well-informed to rate Scottish Water on many of the priorities Current bill pavers

								
	Priority rank	NET: 'Well'	NET: 'Poorly'	NET: 'DK'		Priority rank	NET: 'Well'	N 'Po
All of Scotland has high quality drinking water	1	79 %	2%	7%	Scotland's waste water system ensures that people don't experience preventable flooding	7	47%	7
All of Scotland has a consistent supply of water	2	80%	2%	9%	Educate and inspire Scottish people to value their water and its role in the environment	8	34%	15
Replace ageing assets (pipes and treatment works) to protect the environment and maintain services	3	42%	13%	21%	Respond to the challenges of climate change by contributing to Scotland's aim to be carbon neutral	9	29%	5
Provide water services at a fair and equitable price for both current and future generations	4	58%	7%	13%	Build partnerships with people and communities to protect, enhance and promote access to the environment	10	27%	8
Collect, treat and recycle Scotland's waste water in ways that generate acome and protect the environment	5	41%	6%	29%	Support housing and business growth so Scotland's economy can prosper	11	24%	69
Design technology and develop innovation to continually improve water and waste water services in Scotland	6	40%	4%	29%	People and communities are at the heart of decision making	12	21%	14

Some future customers feel Scottish Water is performing poorly on environmental priorities

	Priority rank	NET: 'Well'	NET: 'Poorly'	NET: 'DK'	Prior ran	•	NET: 'Poorly'	NET: 'DK'
Collect, treat and recycle Scotland's waste water in ways that generate income and protect the environment	1	35%	5%	44%	Provide water services at a fair and equitable price for both current and future generations	47%	4%	32%
Respond to the challenges of climate change by contributing to Scotland's aim to be carbon neutral	2	26%	9%	43%	Scotland's waste water system ensures that people don't experience preventable flooding	42%	6%	38%
All of Scotland has a consistent supply of water	3	66%	-	24%	Build partnerships with people and communities to protect, enhance and promote access to the environment	17%	23%	37%
All of Scotland has high quality drinking water	4	65%	5%	24%	Educate and inspire Scottish people to value their water and its role in the environment	18%	34%	27%
Replace ageing assets (pipes and treatment works) to protect the environment and maintain services	5	28%	11%	41%	Support housing and business growth so Scotland's economy can prosper	1 18%	9%	54%
Design technology and develop innovation to continually improve water and waste water services in Scotland	6	23%	4%	53%	People and communities are at the heart of decision making	2 17%	28%	37%

Bill payers aged 26+ without children do not rate Scottish Water significantly differently than average

	Priority rank (average)	NET: 'Well' – Current Bill Payers (average	NET: 'Well' – Current Bill Payers (26+, no children)		Priority rank average)	NET: 'Well' – Current Bill Payers (average)	NET: 'Well' - Current Bill Payers (26+, no children)
All of Scotland has high quality drinking water		79%	76%	Scotland's waste water system ensures that people don't experience preventable flooding	7	47%	45%
All of Scotland has a consistent supply of water		80%	75%	Educate and inspire Scottish people to value their water and its role in the environment	8	34%	28%
Replace ageing assets (pipes and treatment works) to protect the environment and maintain services	3	42%	40%	Respond to the challenges of climate change by contributing to Scotland's aim to be carbon neutral	9	29%	25%
Provide water services at a fair and equitable price for both current and future generations	4	58%	57%	Build partnerships with people and communities to protect, enhance and promote access to the environment	10	27%	24%
Collect, treat and recycle Scotland's waste water in ways that generate income and protect the environment	5	41%	37%	Support housing and business growth so Scotland's economy can prosper	11	24%	22%
Design technology and develop innovation to continually improve water and waste water services in Scotland	6	40%	35%	People and communities are at the heart of decision making	12	21%	22%

Q8. Finally, please can you tell us how you believe yourwater provider is currently performing on each of these things? (Base: Current bill payers – 704; Those aged 26+ without children – 222)

Replacing ageing assets and recycling waste water are priorities that have not yet been fulfilled and would justify an increase in charges



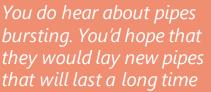
Replacing ageing assets

Priority No 3 40% believe SW perform well

Recycling waste water

Priority No 4 40% believe SW perform well

You do hear about pipes bursting. You'd hope that they would lay new pipes that will last a long time



Replacing assets

- Not already covered within water charges
- Justifies a charge increase
- Helps to protect the supply, quality and environment

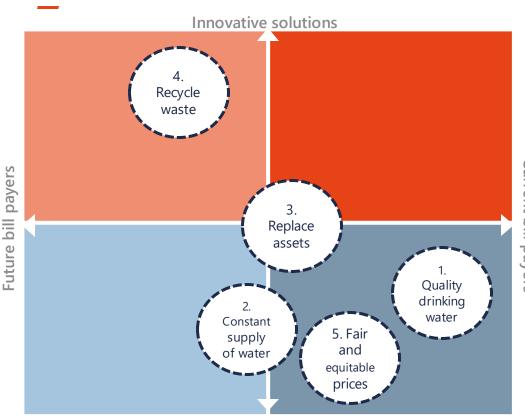


Recycling waste water

- Circular economy is a popular concept
- Appeals to current bill payers - generating income
- Appeals to future bill payers protects environment

Replacing ageing assets is a 'sweet spot' priority area that meets the needs of current and future bill payers





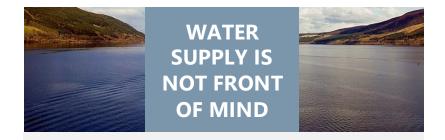
Maintain assets and services

- Current bill payers will always expect quality drinking water to be maintained
- Future bill payers are open to messages about innovative solutions to protect the environment
- Replacing ageing assets is a priority area that ticks a number of boxes for both current and future bill payers:
 - Helps ensure consistent supply and waste services
 - Protects the environment by minimising leakages/flooding
 - There's an understanding that charges may need to increase to cover replacement – if it's more than just maintenance



Businesses consider water a plentiful resource and an important social and economic asset for Scotland





There is little concern that water will run out or need managing in the future

Loch Ness is deep enough to supply the world with water. We never face the same issues that England has with water and hosepipe bans etc.



However a continual supply of clean, good quality water, and waste water management is expected

Businesses rely on water at many levels to keep things ticking over – Scotland needs a continued supply

Business customers can struggle to foresee how their relationship with water might change in the future





Small businesses worry about balancing service and business costs, with urbanisation, a decline in the high street and reduced footfall

We have a little café reliant on water. I worry that people won't be visiting as much in 15 years time—
it's a balance of running costs vs. not ripping
customers off

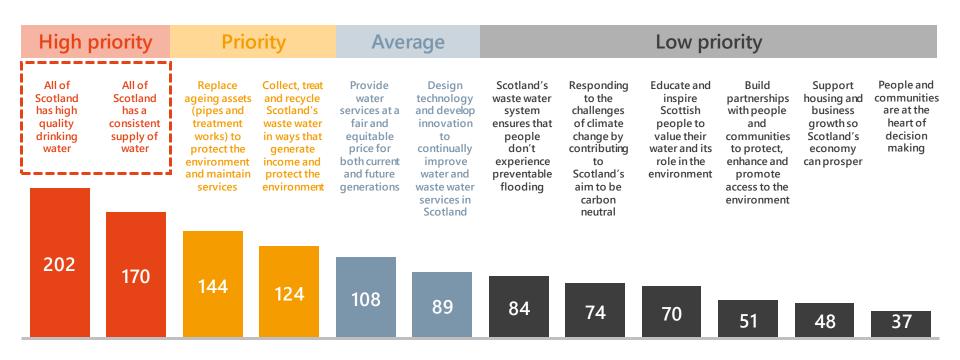


Larger organisations that rely heavily on water expect growth, and have concerns about the rising costs of utilities, including water

My hope is that we've opened other warehouses, and the business has grown, this will of course increase our use of water so we would need a reliable supply

Businesses deem a high quality and consistent water supply the greatest priority for the future





There is appetite from larger businesses to be included in future conversations for investment planning



As businesses grow, efficiency, planning and future investment become more front of mind

SMALLER BUSINESS

Smaller businesses have a more inward view and are focused on the day to day, they are pulled in multiple directions and are often 'fire-fighting'

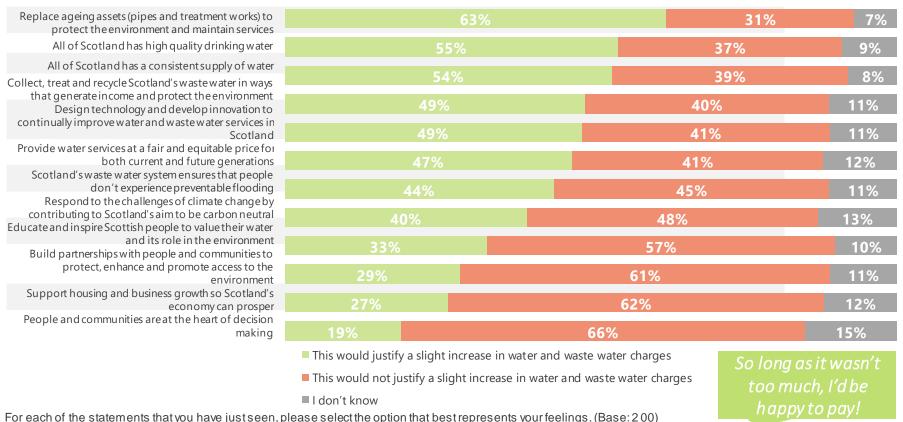
I expect that the people in charge of water, have plans in place to keep things ticking over

LARGER BUSINESS

As businesses grow, they start to look beyond this. The plans they make become longer term

I would be interested in working with the board to understand how we can be more efficient as a business

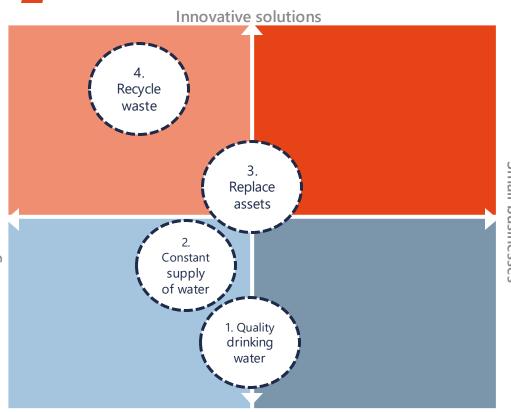
Although not as high as domestic customers there is still an acceptance that charges may increase to meet priorities



businesses

Maintaining current supply, and replacing ageing assets is important for business customers





Maintain assets and services

- Business expect quality drinking water and water supply to be maintained so that day-today running of the business can continue
- Replacing ageing assets is also a priority area for businesses:
 - ✓ Helps ensure business can function as usual
 - Protects the environment and minimises waste, meaning Scotland is an attractive place to visit and spend money
 - There's an understanding that charges may need to increase to cover replacement if it's more than just maintenance

CALL OUT

There is some fear from business that future investment costs will be pushed on to them



To recap, how domestic and business customers would like to prioritise future investment

Top five overall priorities (Statistical MaxDiff exercise):

- All of Scotland has high quality drinking water
 Top priority for current bill payers
- All of Scotland has a consistent supply of water
 A priority area for both current and future bill payers
- Replace ageing assets to maintain services and protect the environment

 A priority area for both current and future bill payers
- Collect, treat and recycle waste water

 Generating income appeals to current customers and protecting the environment appeals to future bill payers
- Provide services at a fair and equitable price

 An average priority for current bill payers

The Water Industry is trusted to make the right investment decisions to maintain the status quo and also has permission to innovate solutions that will benefit future generations



Getting the language, tone of voice and emphasis right when planning for the future investment strategy



Maintain and innovate

For current customers, ensure quality and supply service levels are maintained. Future customers are in a planning frame of mind; talk to them about plans to innovative that will protect supply and contribute to the aim for a circular economy



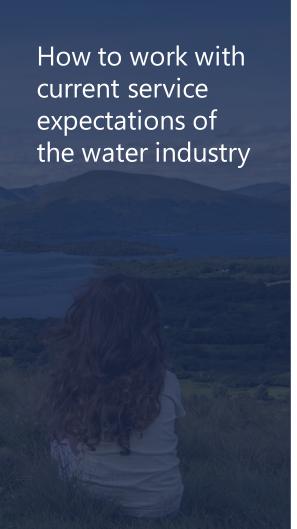
Use language that communicates the right values

Talk about the legacy that the water industry plans to 'leave behind' for future generations. Place emphasis on aspects of the legacies that will work to support customer's hopes and resonates with three pillars that makes up Scotland's identity the landscape, arts, culture & people and industry and innovation



Link to Scottish heritage and identity

Demonstrate how future investment plans feed into the important elements of what it means to be Scottish: the landscape, community, the food and drink industry and innovation





Maintain the status quo

Use current charge levels to maintain the quality of the core service – good water and waste water services for all



Work with the messages that people already hear

Open up conversations with future generations by talking to them about the things that water industry does to support the country's work on becoming carbon neutral



Make it easy for current customers

Those with families, those with vulnerabilities and small businesses are less keen to get involved in conversations about future investment; reassure them that they can trust the water industry to make the right decisions on their behalf

How to concentrate effort on the priorities that meet the needs current customers, future bill payers and businesses



Quality and supply

Work on initiatives that protect the quality of the water for current customers and consistent supply for future bill payers i.e. replacing ageing assets



\ Innovate for the future

Customers and future bill payers are open to the message that they will need to contribute to update the ageing pipework system.

Communicate to current customers how this will secure the service they are used to and communicate to future bill payers how this will protect the environment. In the longer term, push forward on innovations for renewable energies



Businesses

Invite larger businesses to be involved in future investment planning and communicate to them how they can work to support priorities

Get in touch

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