

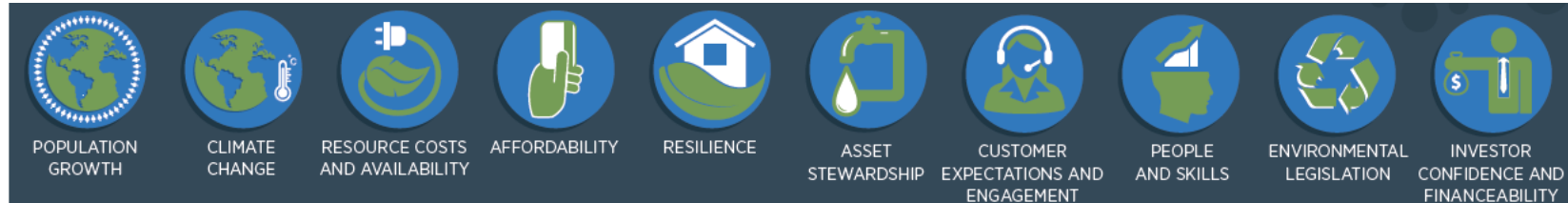


NAVIGATING UNCHARTED WATERS

The Importance of Scenario Planning

Vikki Williams and Laura Frudd
5 April 2017

Future Challenges



Many of the key principles from PR14 may remain...

But a package of reforms will see further changes in six key areas.

Customer Engagement

- CCGs to remain with clearer scopes
- Revealed preference and choice experiment type approaches to drive better customer-based decision making

Totex

- Use of totex maintain including modelled approach to cost assessment

Outcomes

- Continue to encourage longer-term thinking by water companies through the outcomes, PCs and ODI framework

Price Controls and RCV

- 5 year price controls but set within longer-term plans with in-period adjustments
- Extension of protection for historical investments included in RCV up to Mar 2020

Making More Use of Markets

- Separate price controls for water resources and sludge treatment – resulting in 4 core wholesale price controls

Access Pricing

- Establishing 'gate' or 'access' prices to allow efficient market entry

Ensuring Resilience

- Delivering Ofwat's new duty to ensure long-term stability of asset systems, ecosystems and financing to deliver services to consumers

Innovative Financing and Operating Models

- Competitive procurement for discrete large-scale enhancement projects

Sustainable Investment

- Phased movement from RPI to CPI indexation for both prices and RCV with 50% of RCV to be indexed to CPI

Risk-Based Review +

- The narrative /coherence around the 'story' needs to be better with greater collaboration and input from the supply chain

“

Let our advance
worrying become
advance thinking
and planning

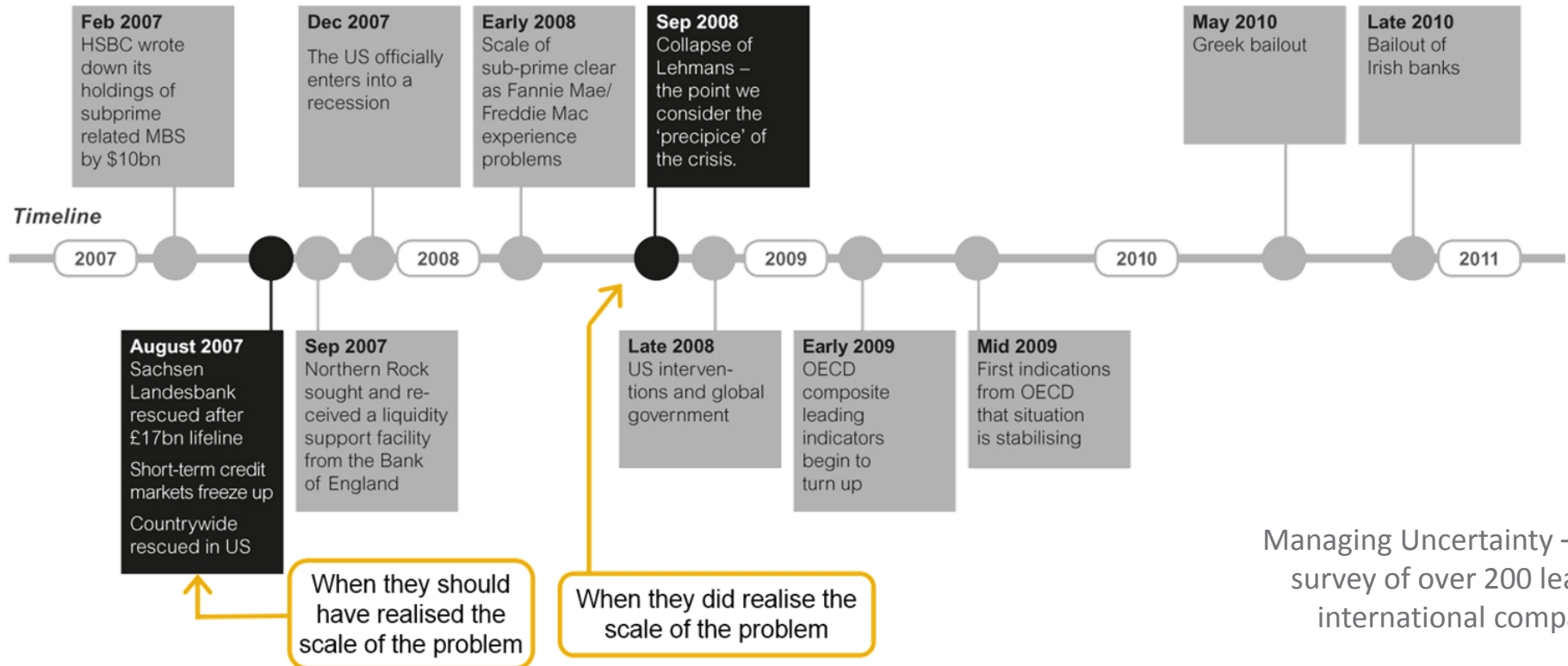
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Winston Churchill



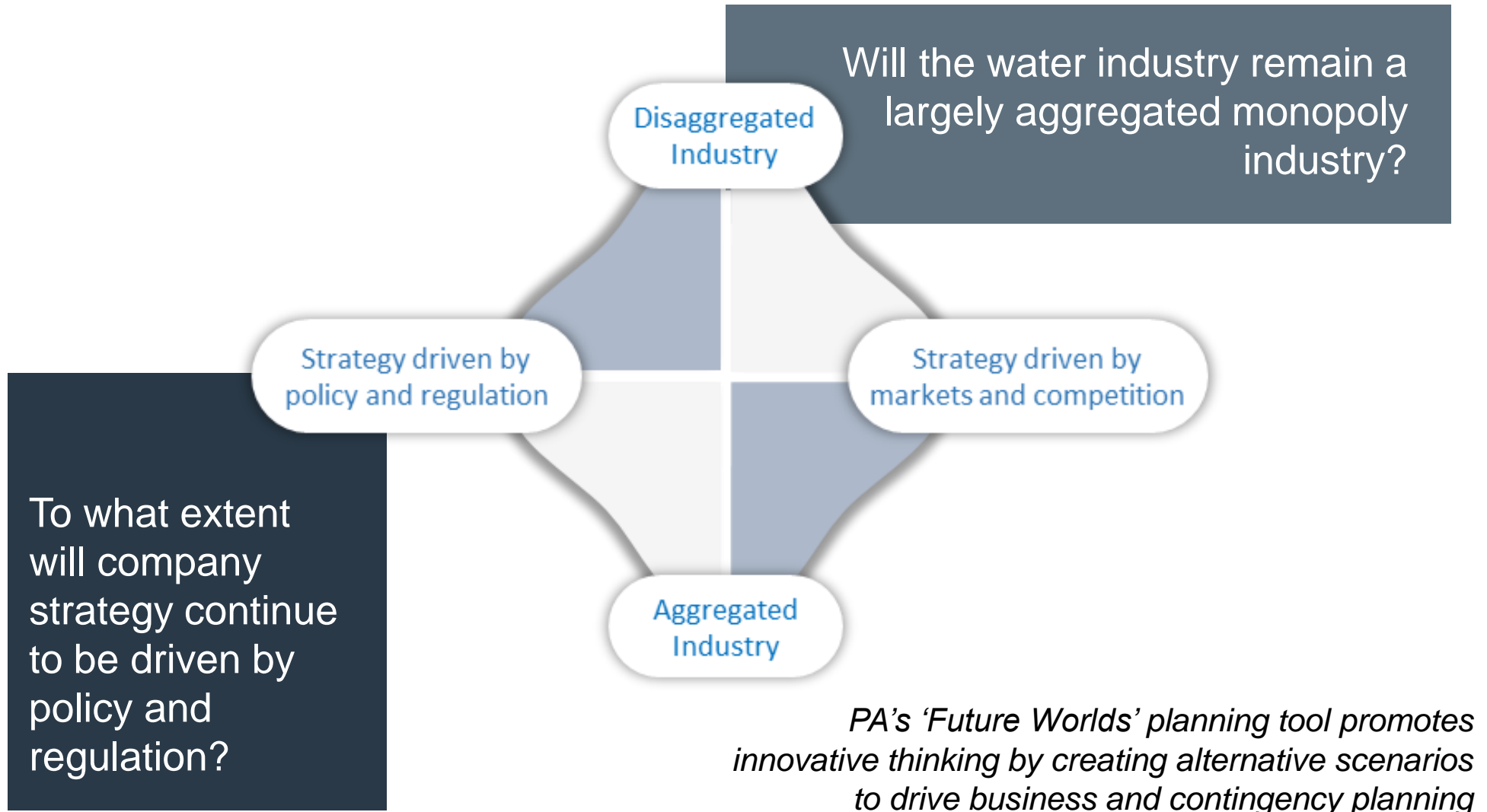
“What we know about the global financial crisis is that we don’t know very much”

Paul A Samuelson, Nobel laureate and eminent US economist



Companies which adopted the strategic mindset experienced 10% higher shareholder return than those which adopted the tactical mindset.

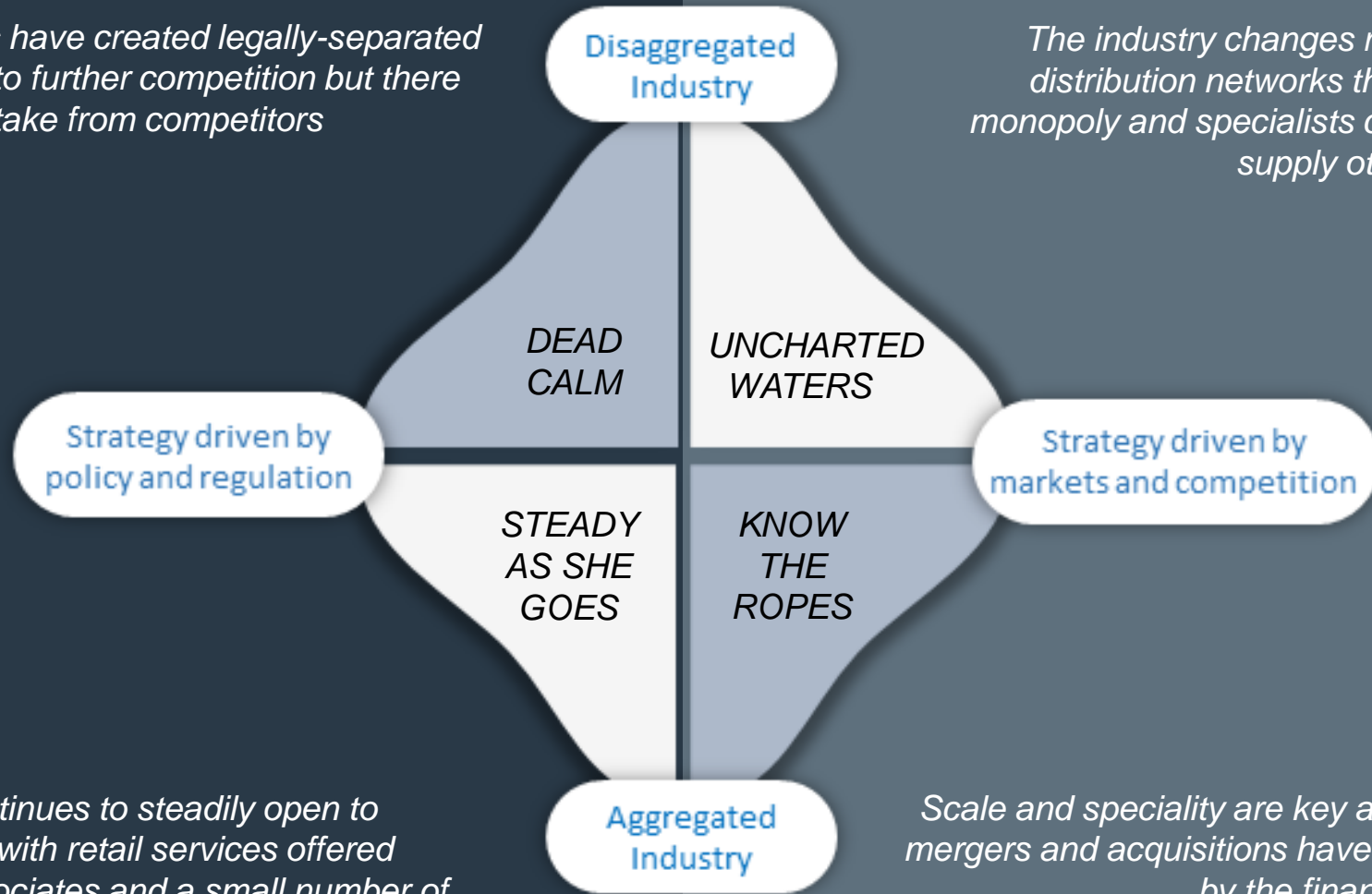
Developing Future Scenarios for 2022



FUTURE WORLDS WATER SCENARIOS

Wholesalers have created legally-separated businesses to further competition but there is limited uptake from competitors

The industry changes radically with distribution networks the remaining monopoly and specialists competing to supply other services



Industry continues to steadily open to competition with retail services offered through associates and a small number of new entrants

Scale and speciality are key as a series of mergers and acquisitions have been driven by the financial markets

3

DEAD CALM

4

UNCHARTERED WATERS

1

STEADY AS SHE GOES

CUSTOMER SUPPLY



ABSTRACTION



STORAGE & TREATMENT



DISTRIBUTION



COLLECTION & TRANSPORT



TREATMENT



DISPOSAL

THE ROPES

Strategy driven by changing policy & regulation

Strategy driven by markets and competition

- Associate Retailers dominate market
- 6 Price Controls for Wholesale
- Some limited market consolidation and re-aggregation

3

DEAD CALM

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UNCHARTERED WATERS

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Strategy driven by markets and competition

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STEADY AS

CUSTOMER SUPPLY



- Associate Retailers dominate market
- 6 Price Controls for Wholesale

2

KNOW THE ROPES

CUSTOMER SUPPLY



- Lessening regulatory pressure
- Series of mergers and acquisitions
- Key factors are scale and speciality
- 6 Price Controls for Wholesale

3

DEAD CALM

CUSTOMER SUPPLY



ABSTRACTION

STORAGE & TREATMENT

DISTRIBUTION

COLLECTION & TRANSPORT

TREATMENT

DISPOSAL

ORDERED WATERS

Strategy driven by changing policy & regulation

- Water trading and sludge treatment and disposal legally-separated
- Continued strong policy and regulation
- Lack of incentive for competition
- Retail market stabilises around most efficient providers

Strategy driven by markets and competition

THE ROPES

CUSTOMER SUPPLY



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Disaggregated industry

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DEAD C

CUSTOM SUPPL



- Water trading and sludge treatment and disposal legally separated
- Continued strong policy and regulation

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UNCHARTERED WATERS

CUSTOMER SUPPLY



- Highly competitive market
- Distribution remaining monopoly
- Services sourced from range of specialist suppliers
- Even greater disaggregation driven through innovation and efficiencies

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Strategy driven by changing policy & regulation

Strategy driven by markets and competition

Aggregated industry



1. Identifying the questions or uncertainties they want to test (levers);
2. Considering the scenarios resulting from addressing those levers;
3. Determining the investment implications of each scenario;
4. Creating an action plan with immediate and contingent actions;
5. Implementing the immediate actions and setting up monitoring of key indicators to determine when to trigger contingent actions.

“

In preparing for battle I have always found plans are useless, but planning is indispensable

Dwight D Eisenhower,
US President 1953-
1961

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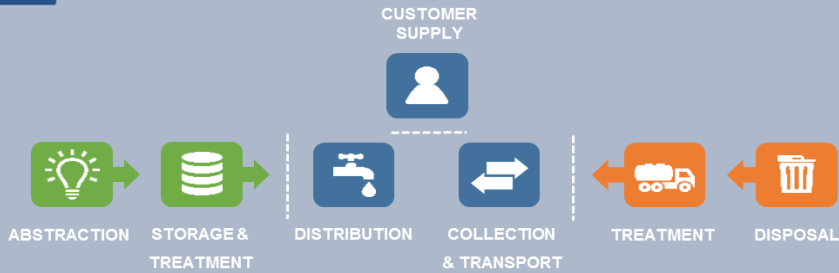
Vikki Williams and Laura Frudd

vikki.williams@paconsulting.com

laura.frudd@paconsulting.com

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DEAD CALM



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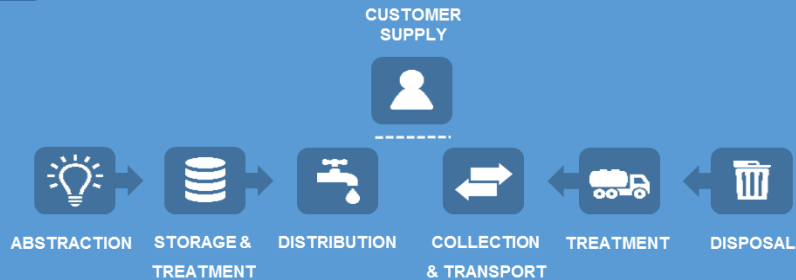
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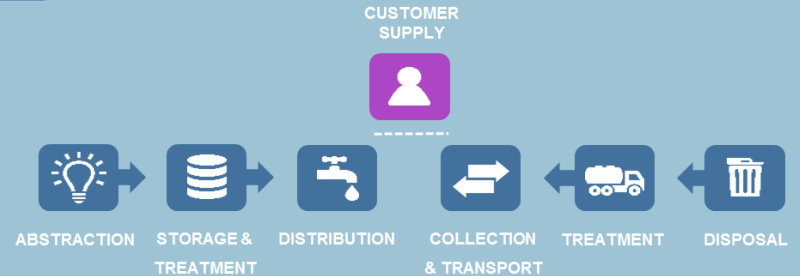
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Strategy driven by changing policy & regulation

Strategy driven by markets and competition