



Water Services

Realizing the value of water for communities worldwide.



BLACK & VEATCH

Expertise in all facets of water.

We make the use of water — whether it's raw water, drinking water, wastewater, stormwater, or recycled water — resilient, reliable, safe, and affordable wherever and whenever it's needed.



Working with public providers and private industries, we:

- Help conserve precious water supplies and protect the environment in the face of major demographic, economic and climate changes.
- Balance system and user needs with available capital, promoting financial sustainability.
- Advance understanding about the true value of water in support of social sustainability.



PLAN

- Integrated — all aspects of the water management cycle
- Resilience — holistic, big-picture thinking for strategic, operational and financial resilience.
- Risk-based - understand assets and analyze data to optimize decision making.



SOURCE

- Developing and expanding supply sources less susceptible to climate change.
- Managing stormwater and water resources for community benefit.
- Efficiently and safely returning used water to the environment or beneficially reusing it.



TREAT

- Facility design, process design and advanced treatment technologies.
- Fostering regulatory compliance.
- Biosolids and residuals management.



CONTROL

- Storing and carrying treated water to communities.
- Collect and convey used water and stormwater for treatment, watershed management.
- Driving sustainability and system resilience.



GENERATE

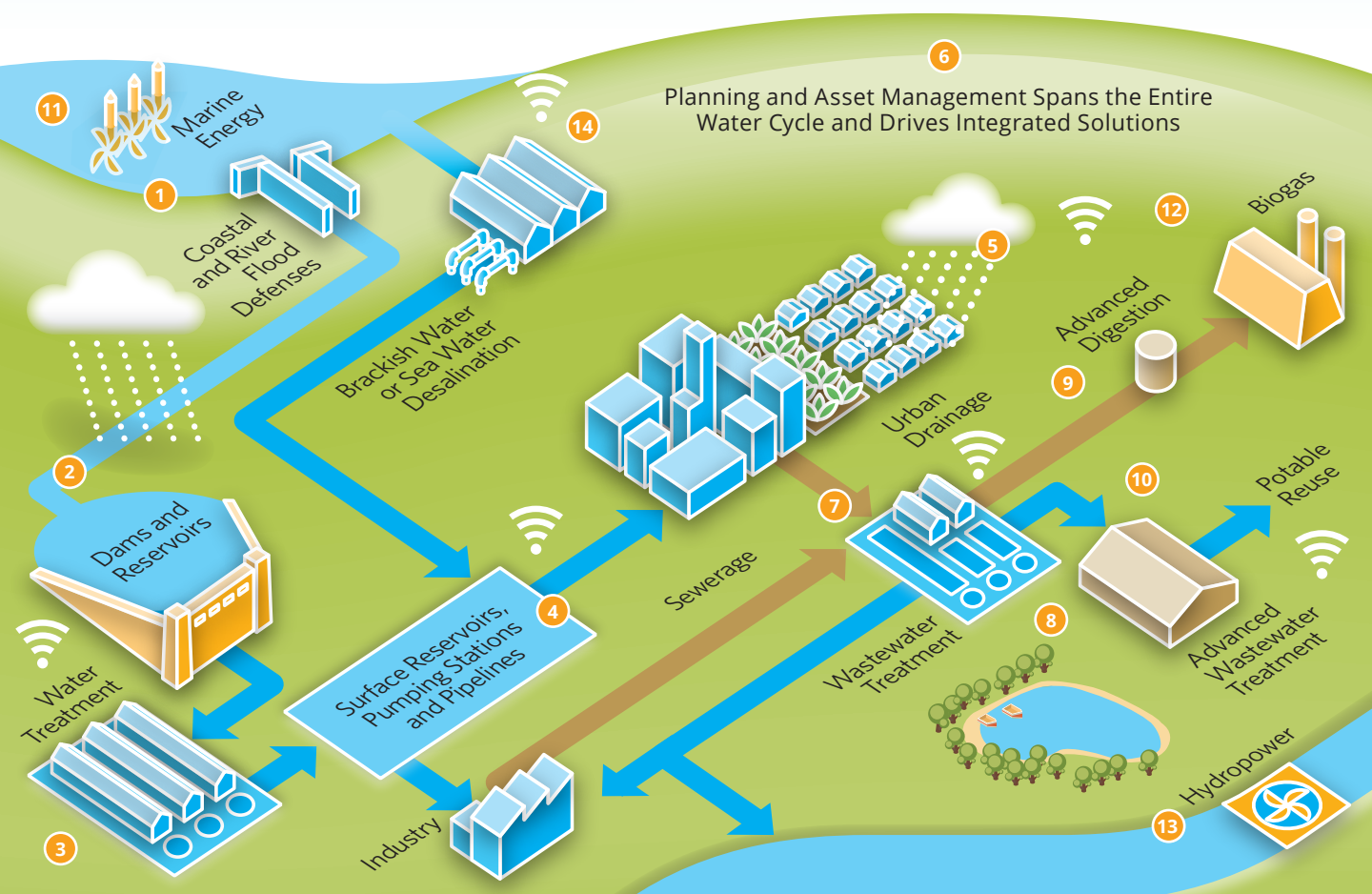
- Closed-loop solutions for energy, nutrient and water recovery.
- Driving renewable power by capturing energy embedded in movement and treatment of water.
- Harnessing nutrients in wastewater and closing the phosphorus gap.



PROTECT

- Sustainable water and watershed management protecting communities from flooding and natural disasters.
- Climate change resilience; coastal and river basin management.
- Safety by Design and regulatory compliance.

Black & Veatch Services Span the Entire Water Cycle



1 CLIMATE CHANGE RESILIENCE

Protecting people and property from impacts of sea level rise, land subsidence, drought and flooding, and helping communities adapt to the effects of climate variability.

2 DAMS & RESERVOIRS

Design and construction of new dams and rehabilitation of existing ones, including safety and risk assessment.

3 DRINKING WATER

Efficiently treating fresh water to drinking water quality standards for domestic/commercial use.

4 CONVEYANCE & STORAGE

Storing and carrying raw and treated water to communities through distribution systems and storing and carrying used water and stormwater from communities through collection systems.

5 STORMWATER & FLOODING

Sustainable urban drainage management and protecting communities from flooding.

6 PLANNING & ASSET MANAGEMENT

Holistic planning to solve persistent challenges associated with aging infrastructure and increasing regulatory requirements, while reducing cost and risk. Managing demand, smart metering and reducing leakage.

7 WASTEWATER

Safely treating wastewater from homes and businesses and reducing infiltration.

8 WATER RESOURCES/ ENVIRONMENTAL

Efficiently making water safe to return to the environment. Includes green infrastructure through ecosystem assessments and community systems.

9 BIOSOLIDS MANAGEMENT

Processing biosolids for reuse as fertilizer, fuel and aggregates.

10 WATER REUSE

Treating wastewater for commercial and domestic reuse.

11 MARINE ENERGY

Transforming the power of waves and tides into sources of electricity.

12 COGENERATION/COMBINED HEAT AND POWER (CHP)

Using biogas from wastewater treatment processes to generate both heat and power and renewable fuel.

13 HYDROPOWER

Harnessing the energy in moving water to generate clean, renewable power.

14 DESALINATION

Treating impaired water, brackish or seawater for potable or fit-for-purpose industry and irrigation uses.

DIGITAL WATER

Leveraging data to enhance utility/industrial facility efficiency, connectivity, asset life, predictability, and investment decision making.

Water

For more information, contact us at
bv.com/water

