



Company Overview

November 8, 2022

Safe Harbor Statement

B&W Enterprises cautions that this presentation contains forward-looking statements within the meaning of federal securities laws. All statements other than statements of historical or current fact included in this presentation are forward-looking statements, including, without limitation, statements relating to the company's business outlook and expected financial performance, including adjusted EBITDA and sales targets, expectations regarding future growth, expansion and profitability, as well as statements about B&W's future pipeline of new projects and business within its Renewable, Environmental and Thermal operating segments and their impact on future shareholder value. These forward-looking statements are based on management's current expectations and involve a number of risks and uncertainties, including, among other things, the impact of COVID-19 or other similar global health crises; the impact of the ongoing conflict in Ukraine; the impact of global macroeconomic conditions, including inflation and volatility in the capital markets; our ability to integrate acquired businesses and the impact of those acquired businesses on our cash flows, results of operations and financial condition, including our acquisitions of Fosler Construction Company Inc., VODA A/S, Fossil Power Systems, Inc., and Optimus Industries, LLC; our recognition of any asset impairments as a result of any decline in the value of our assets or our efforts to dispose of any assets in the future; our ability to obtain and maintain sufficient financing to provide liquidity to meet our business objectives, surety bonds, letters of credit and similar financing; our ability to comply with the requirements of, and to service the indebtedness under, our debt facility agreements; our ability to pay dividends on our 7.75% Series A Cumulative Perpetual Preferred Stock; our ability to make interest payments on our 8.125% senior notes due 2026 and our 6.50% notes due 2026; the highly competitive nature of our businesses and our ability to win work, including identified project opportunities in our pipeline; general economic and business conditions, including changes in interest rates and currency exchange rates; cancellations of and adjustments to backlog and the resulting impact from using backlog as an indicator of future earnings; our ability to perform contracts on time and on budget, in accordance with the schedules and terms established by the applicable contracts with customers; failure by third-party subcontractors, partners or suppliers to perform their obligations on time and as specified; our ability to successfully resolve claims by vendors for goods and services provided and claims by customers for items under warranty; our ability to realize anticipated savings and operational benefits from our restructuring plans, and other cost-savings initiatives; our ability to successfully address productivity and schedule issues in our B&W Renewable, B&W Environmental and B&W Thermal segments; our ability to successfully partner with third parties to win and execute contracts within our B&W Renewable, B&W Environmental and B&W Thermal segments; changes in our effective tax rate and tax positions, including any limitation on our ability to use our net operating loss carryforwards and other tax assets; our ability to successfully manage research and development projects and costs, including our efforts to successfully develop and commercialize new technologies and products; the operating risks normally incident to our lines of business, including professional liability, product liability, warranty and other claims against us; difficulties we may encounter in obtaining regulatory or other necessary permits or approvals; changes in actuarial assumptions and market fluctuations that affect our net pension liabilities and income; our ability to successfully compete with current and future competitors; our ability to negotiate and maintain good relationships with labor unions; changes in pension and medical expenses associated with our retirement benefit programs; social, political, competitive and economic situations in foreign countries where we do business or seek new business; and the other factors specified and set forth under "Risk Factors" in our periodic reports filed with the Securities and Exchange Commission, including, without limitation, the risks described in the Company's Annual Report on Form 10-K for the year ended December 31, 2021 and Quarterly Report on Form 10-Q for the quarter ended September 30, 2022 under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" (as applicable). These factors should be considered carefully, and B&W Enterprises cautions you not to place undue reliance on these forward-looking statements, which speak only as of the date of this presentation, and undertakes no obligation to update or revise any forward-looking statement, except to the extent required by applicable law.

Non-GAAP Financial Measures

This presentation contains information regarding our adjusted EBITDA, which is a non-GAAP financial measure. Adjusted EBITDA on a consolidated basis is defined as the sum of the adjusted EBITDA for each of the segments, further adjusted for corporate allocations and research and development costs. At a segment level, adjusted EBITDA presented is consistent with the way our chief operating decision maker reviews the results of operations and makes strategic decisions about the business and is calculated as earnings before interest expense, tax, depreciation and amortization adjusted for items such as gains or losses arising from the sale of non-income producing assets, net pension benefits, restructuring costs, impairments, gains and losses on debt extinguishment, costs related to financial consulting, research and development costs and other costs that may not be directly controllable by segment management and are not allocated to the segment. We present consolidated Adjusted EBITDA because we believe it is useful to investors to help facilitate comparisons of our ongoing, operating performance before corporate overhead and other expenses not attributable to the operating performance of our revenue generating segments. In this presentation, we also present certain targets for our adjusted EBITDA in the future; these targets are not intended as guidance regarding how we believe the business will perform. We are unable to reconcile these targets to their GAAP counterparts without unreasonable effort and expense due to the aspirational nature of these targets.

B&W FOUNDATION DRIVES GROWTH STRATEGY



Advanced Technologies



Research & Innovation



Global Brand Equity



High-Growth End Markets



Vast Installed Base



Supporting a Circular Economy

For our economy and future generations, we continually develop ecologically sound ways of utilizing and recycling valuable resources like biomass, municipal waste, and solar energy to create clean, renewable baseload power while reducing greenhouse gas emissions.



The Clear Choice for Our Climate

As an industry leader in providing advanced air emissions control, energy recovery, carbon capture and hydrogen production technologies, our engineered solutions are designed to reduce the environmental impact of industrial processes.



Efficient. Safe. Reliable.

From the initial patent for the water-tube safety boiler to the world's first supercritical boiler to technologies using the latest advanced steam cycles, our robust thermal energy designs deliver availability and long-term operation.

The next generation Babcock & Wilcox is providing innovative environmental, renewable and energy transition solutions, generating recurring revenues from a broad thermal installed base and expanding globally



RENEWABLE

Technologies for Renewable Power & Resource Recovery

Waste-to-energy and biomass-to-energy baseload power, chemical recovery boilers for pulp & paper, long duration energy storage, solar power installation & services



ENVIRONMENTAL

Technologies for a Clean Environment

Emissions control, ash handling systems for bottom and fly ash, wet/dry/hybrid cooling systems, energy recovery, ClimateBright™ hydrogen production and decarbonization technologies




THERMAL

Technologies for Efficient Steam Generation

Boilers, ancillary equipment and global aftermarket parts, service and upgrade offerings to effectively utilize a wide range of fuels for power or industrial applications

Delivering value to our customers through technology-driven products and services, with 600 active patents worldwide; continual product improvement and research and development to support future energy needs, including carbon capture

Key Market Drivers & Opportunities

The background of the slide is an aerial photograph of a dense, lush green forest. In the center of the image, a realistic, glowing blue and white Earth is visible, appearing to rise from or be surrounded by the trees.

Increasing global investment in clean energy infrastructure, including solar, energy storage, and the hydrogen economy

U.S. Inflation Reduction Act increases the investment into emerging technologies for low carbon intensity solutions

Increasing global regulatory restrictions on landfilling and methane benefit waste-to-energy

A strong utility boiler installed base drives stable aftermarket in the U.S. while growth in international power generation continues

Global drive toward renewable and reusable energy sources to limit carbon and methane emissions

Water scarcity and regulations drive need for custom cooling solutions

B&W is positioned to capitalize on global trends driving the need for environmental and renewable solutions

Key Growth Strategies

Accelerate growth by **expanding sales, service and business development teams** in key international regions to serve the broad renewable, environmental and thermal markets

Meet the global need for carbon reduction with patented **renewable waste-to-energy, biomass, hydrogen production, solar** and **carbon-capture solutions**

Leverage a vast installed base and stable U.S. market to drive aftermarket parts and service sales and generate **strong cash flow**

Provide best-in-class **environmental technologies** to customers across a broad array of markets to meet growing environmental regulations

Core growth strategies focused on driving innovative environmental, renewable and energy transition technologies, growing aftermarket sales by leveraging the installed base, and expanding internationally in key regions

Installed & Proven Technologies



More than 500 waste-to-energy and biomass-to-energy units at more than 300 facilities in more than 30 countries, serving a wide range of utility, waste management, municipality and investment firm customers

More than 100 MW of clean solar power production installed



Large worldwide installed base of wet and dry scrubbers, particulate control equipment, NOx reduction technologies, and mercury control systems to meet environmental regulations at a wide range of utility and industrial installations

Nearly 2,000 wet, dry and hybrid cooling system units (10,000+ cells) installed across the globe



More than 5,000 industrial water-tube package boilers and other waste heat recovery products installed in a variety of facilities, including refining, petrochemical, food processing, metals and mining, carbon black and wood products

More than 300 operating baseload power generation boilers in the U.S. and nearly 200 operating utility and industrial boiler units across 38 countries outside of North America (excluding waste-to-energy and biomass)



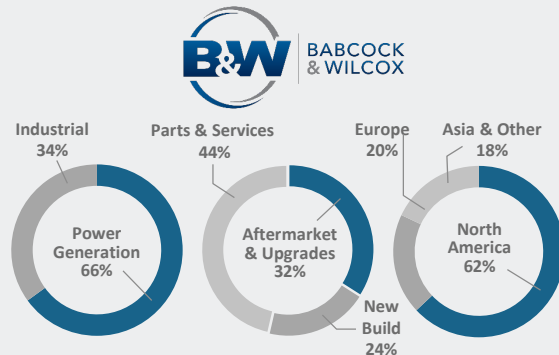
A vast global installation of B&W's core technologies at utility and industrial plants, renewable plants and pulp & paper facilities create a large growth opportunity for parts, services and retrofits



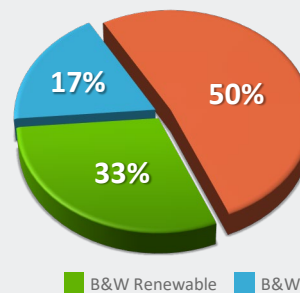
Corporate Snapshot

Headquarters:	Akron OH, USA
Founded:	1867
Ownership:	Public (NYSE:BW)
Employees:	~2150
LTM Revenue September 2022:	~\$832M
2023 EBITDA Target:	\$100M to \$120M

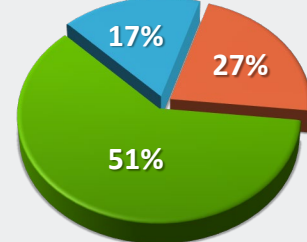
Consolidated



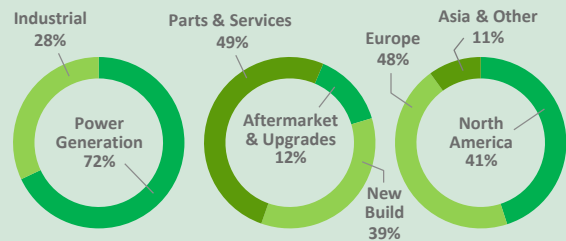
LTM Revenue



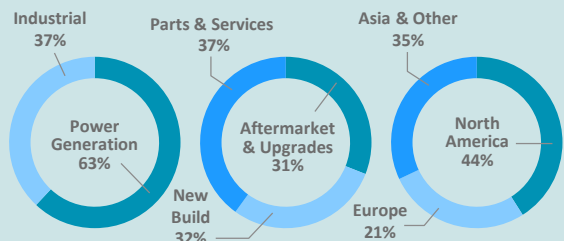
Backlog¹ as of September 30, 2022



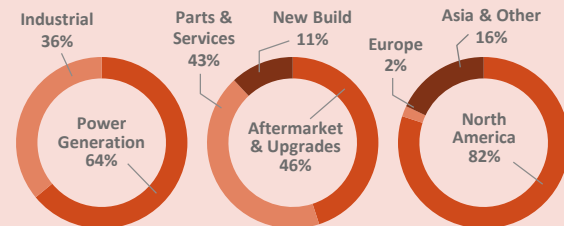
B&W Renewable



B&W Environmental



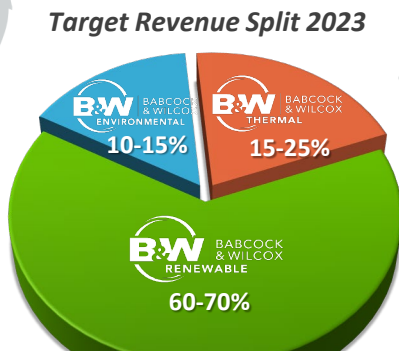
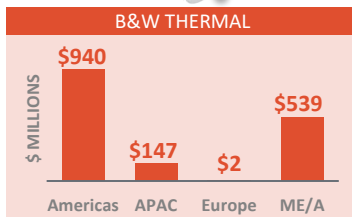
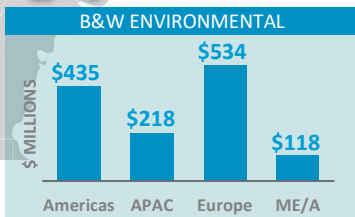
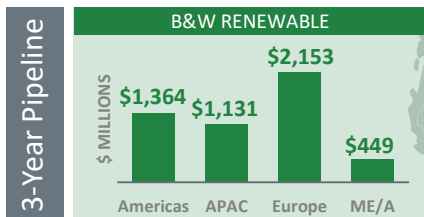
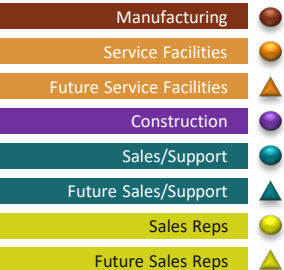
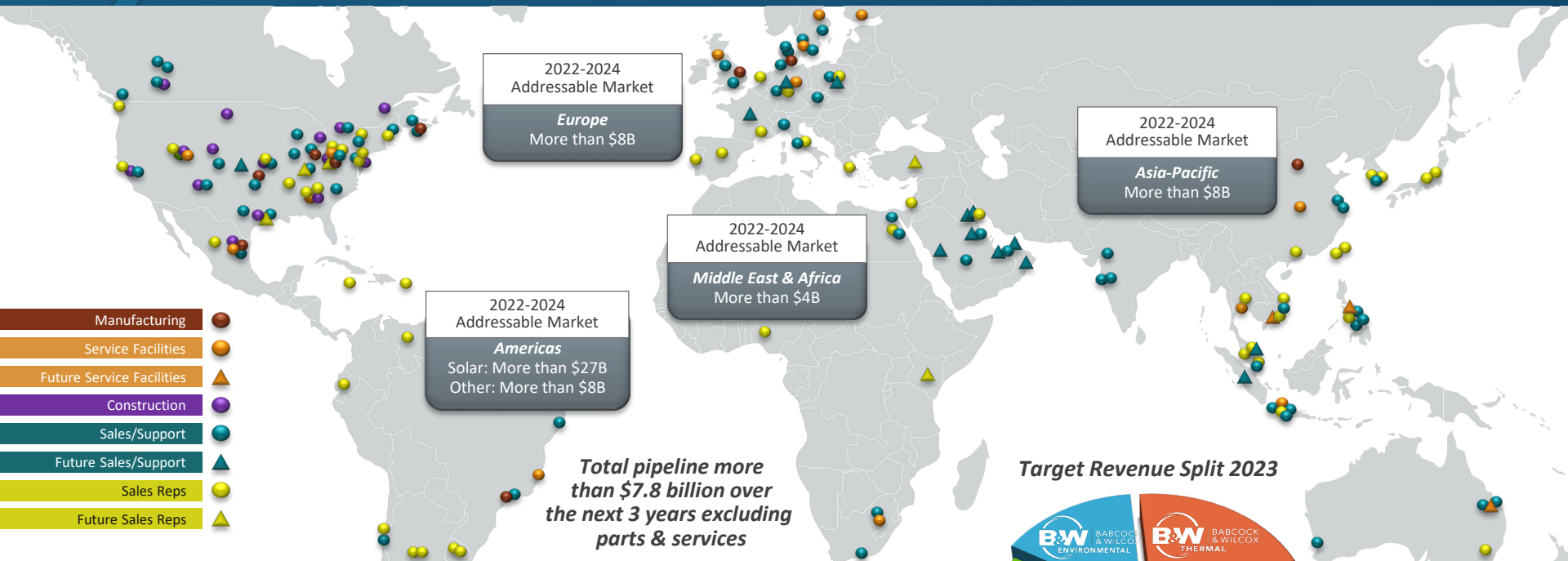
B&W Thermal



Notes:

All charts based on LTM September 30, 2022 revenues, unless otherwise noted.

1. Backlog does not include shorter lead-time parts and services



FEEDSTOCK

BIOMASS
BIOGAS
NATURAL GAS
COAL
PETROLEUM COKE



BrightLoop™
Technology

CO₂
for Storage
or Beneficial Use

OUTPUT


STEAM


POWER


HYDROGEN


SYNGAS

- ▶ **Solid Fuels** can be used as the feedstock
- ▶ **Low Carbon Intensity** from >95+% pure CO₂ stream
- ▶ **Low-Cost Hydrogen** production due to efficient process

BrightLoop Evolution

COMPLETED



Laboratory Scale

RESEARCH STAGE

1994 - 2004



Sub-Pilot with
The Ohio State
University and B&W
25 Kilowatts Thermal

SUB-PILOT SCALE

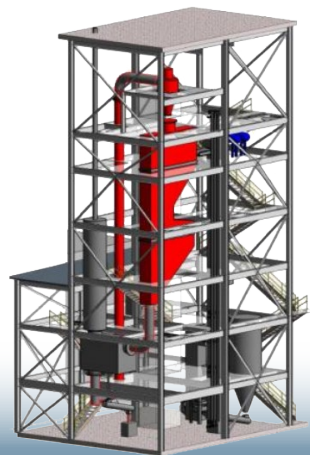
2008



Steam & Hydrogen
250 Kilowatts Thermal
(National Carbon Capture
Center in Alabama)

PILOT SCALE

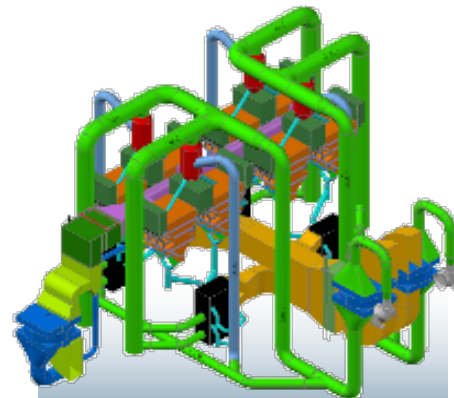
2014



Industrial Commercial

2.5 to 25 Megawatts Thermal
1.5 to 15 Tons Per Day
Hydrogen Output

2023



Utility Commercial

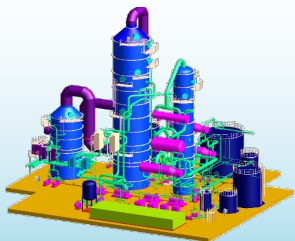
100 – 550 Megawatts Thermal
60 – 320 Tons Per Day
Hydrogen Output

2024

ClimateBright™

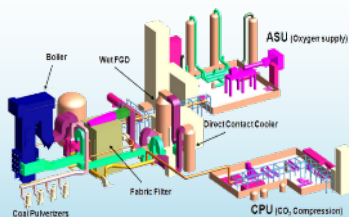
SolveBright™

POST-COMBUSTION CARBON CAPTURE



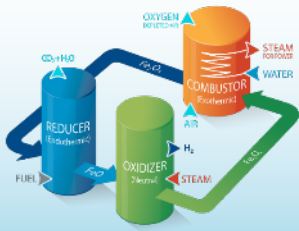
OxyBright™

OXYGEN-FUEL COMBUSTION



BrightLoop™

HYDROGEN PRODUCTION



BrightGen™

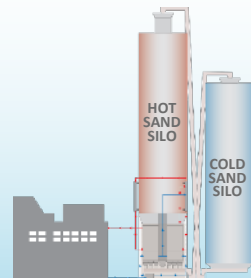
HYDROGEN COMBUSTION



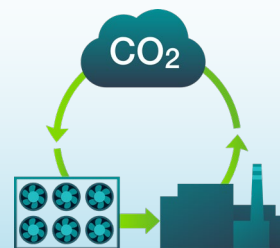
Long Duration Energy Storage



Green Steam



Direct Air Capture



EMERGING TECHNOLOGIES

- › B&W is at the forefront of developing CO₂ capturing technologies
- › Multiple technologies ready for commercial demonstration
- › 93 active patents related to carbon capture technology
- › Positioned to provide critical solutions to meet global climate goals

B&W's portfolio of clean power production solutions continues to evolve to reach customers at all stages of their energy transition.

B&W's Waste-to-Energy Technology Reduces Methane Emissions

- ▶ Methane has **84 times** the Global Warming Potential (GWP) of CO₂ⁱ
- ▶ **Annual additions to landfills** in the U.S.ⁱⁱ produce emissions equivalent to **10 million cars**
- ▶ **Landfills in the U.S.**ⁱⁱⁱ emit more than 330 million tons of 20-year basis GWP each year, roughly equal to **70 million cars**^{iv}
- ▶ Waste-to-Energy (WTE) avoids landfilling while producing **baseload clean energy**

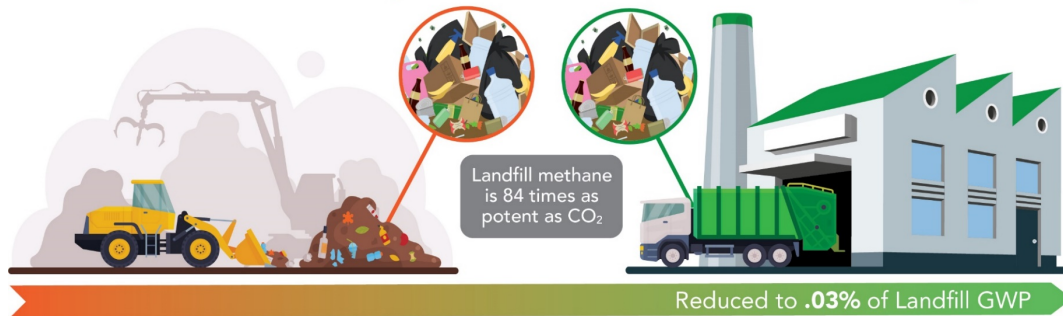
- ▶ **B&W's state-of-the-art technology** has been installed in more than 500 units in more than 30 countries, including:
 - The most recent WTE facility in the U.S. (Palm Beach Renewable Energy Facility, Florida)
 - One of the world's largest waste treatment facilities in the world (Shenzhen East, China)

One Ton of Waste in a **LANDFILL**
Emits **3.42** Metric Tons of Global Warming Potential

One Ton of Waste in a **WASTE-TO-ENERGY FACILITY**
Emits **.001** Metric Tons of Global Warming Potential

WTE Technologies

- ▶ Boiler/steam generation island
- ▶ DynaGrate® combustion grate
- ▶ Fuel handling systems
- ▶ Emissions control equipment



B&W is actively deploying technology that curbs the global warming impact of methane

ⁱ Anthropogenic and Natural Radiative Forcing. In: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA. https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter08_FINAL.pdf; 20-year basis

ⁱⁱ EIA Biomass Explained: Waste-to-energy (Municipal Solid Waste), November 29, 2020 <https://www.eia.gov/energyexplained/biomass/waste-to-energy.php>

ⁱⁱⁱ EPA Landfill Methane Outreach Program: Project and Landfill Data by State; <https://www.epa.gov/lmop/project-and-landfill-data-state#:~:text=The%20LMOP%20Landfill%20and%20Landfill,more%20than%202%2C600%20MSW%20landfills> and EPA U.S. Greenhouse Gas Inventory 2020, Chapter 7: Waste, Section 7.1 Landfills (CRF Source Category 5A1)

^{iv} Equivalent car emissions calculated using EPA metric of 4.6 metric tons of CO₂ per year per passenger car



Financial Information

Consolidated Financial Summary

(\$ in Millions)	Twelve Months Ended <u>September 30, 2022</u>	Twelve Months Ended <u>December 31, 2021</u>	Twelve Months Ended <u>December 31, 2020</u>	
			Reported	Pro Forma Exc. Non-Recurring Insurance
Revenue	\$ 832.2	\$ 723.4	\$ 566.3	\$ 566.3
Operating Income (Loss)	\$ (3.7)	\$ 20.8	\$ (1.7)	\$ (27.7)
Net Income (loss)	\$ (2.0)	\$ 31.5	\$ (10.3)	\$ (36.3)
Net income (loss) attributable to stockholders of common stock	\$ (2.7)	\$ 21.8	\$ (10.3)	\$ (36.3)
Adjusted EBITDA	\$ 73.6	\$ 70.6	\$ 45.7	\$ 19.7
Adjusted EBITDA Margin %	8.8%	9.8%	8.1%	3.5%

Note: 2020 Reported results include the recognition in Q3 2020 of a \$26.0 million non-recurring loss recovery settlement related to certain historical EPC loss contracts; 2020 Pro Forma results exclude the non-recurring \$26.0 million loss recovery settlement; figures may not be clerically accurate due to rounding; see SEC financial filings and/or slides in Appendix for reconciliation of non-GAAP measures; COVID-19 adversely impacted all segments in 2020 and 2021.

Positioning for improved performance and growth in 2023

<i>(\$ in Millions)</i>	As of September 30, 2022
Capitalization:	
Total Debt	\$336.3
Cash, cash equivalents and restricted cash	69.5
Net Debt	\$266.8
Total Debt Leverage:	
LTM 9/30/2022 Adjusted EBITDA ⁽¹⁾	73.6
Net Leverage ⁽²⁾	3.62x

Note: Figures may not be clerically accurate due to rounding.

(1) See SEC financial filings and/or slides in Appendix for reconciliation of non-GAAP measures.

(2) Net Debt compared to LTM 9/30/2022 Adjusted EBITDA



Appendix



Leadership Team



Chairman and
Chief Executive Officer

Kenny Young



Chief Financial Officer

Lou Salamone



Chief Operating Officer

Jimmy Morgan



General Counsel

John Dziewisz



Chief Strategy and
Technology Officer

Brandy Johnson



VP, Corporate
Operations

Gillianne Hetrick



Clean Energy, SVP

Joe Buckler



Thermal, SVP

Chris Riker



VP, Corporate
Development

Sarah Serafin



Board of Directors



Chairman and
Chief Executive Officer

Kenny Young



Henry Bartoli



Joseph Tato



Rebecca Stahl



Alan Howe



Philip Moeller

Advisory Board



Homaira Akbari



Peter O'Keefe



Eric Powell



Rod O'Connor



Phillip Piddington

Adjusted EBITDA Reconciliation⁽¹⁾

\$ in Millions

Twelve Months Ended

Twelve Months ended

Sep 30, 2022⁽⁴⁾

Dec 31, 2021

Dec 31, 2020⁽³⁾

1) Figures may not be clerically accurate due to rounding

Net income (loss)

\$ (2.1)

\$31.5

\$ (10.3)

Interest expense

46.8

41.4

60.7

2) Cost associated with development of commercially viable products that are ready to go to market

Income tax (benefit) expense

(4.1)

(2.2)

8.2

Depreciation & amortization

22.4

18.3

16.8

EBITDA

63.0

89.0

75.4

Goodwill impairment

7.2

—

—

Benefit plans, net

(45.5)

(48.1)

(5.6)

3) Adjusted EBITDA for the twelve months ended December 31, 2020, include the recognition of a \$26.0 million loss recovery settlement related to certain historical EPC loss contracts in the third quarter, as previously disclosed.

Gain on sales, net

(0.6)

(14.0)

(3.2)

(Gain) loss on debt extinguishment

—

(6.5)

6.2

Stock compensation

7.7

10.5

4.6

Restructuring activities and business services transition costs

8.9

10.7

11.8

Advisory fees for settlement costs and liquidity planning

2.4

5.5

6.4

Litigation legal costs

10.0

4.9

2.1

Acquisition pursuit and related costs

5.6

4.8

—

Product development⁽²⁾

4.6

4.7

—

Foreign exchange

6.5

4.3

(58.8)

4) Adjusted EBITDA for the twelve months ended September 30, 2022 include a \$7.0 million non-recurring gain on sale related to development rights of a future solar project that was sold.

Financial advisory services

1.3

2.7

4.4

Contract step-up purchase price adjustment

1.7

—

—

Loss from business held for sale

—

0.5

0.5

Other – net

0.8

1.6

3.7

Income from discontinued operations

—

—

(1.8)

Adjusted EBITDA

\$73.6

\$70.6

\$45.7



Key Technologies

Key Technologies: Steam Generation



Utility Boilers

High pressure, high efficiency, high capacity, low emissions

Fuel: Coal, oil, natural gas, multi-fuel



Waste-to-Energy Boilers

Reduces dependency on landfills and reduces methane gas emissions

Fuels: MSW, RDF



Natural Gas-Fired and Other Industrial Water-Tube and Fire-Tube Boilers

Bottom- or top-supported, shop- or field-assembled

Fuel: Natural gas, oil, CO, waste heat and gases



Biomass-Fired Boilers

Carbon-neutral technology

Fuels: Wood, wood waste, straw, sludge



Heat Recovery Steam Generator Components

Pressure parts, casing, ducting, drums, housing and frames

Fuel: Waste heat and gases



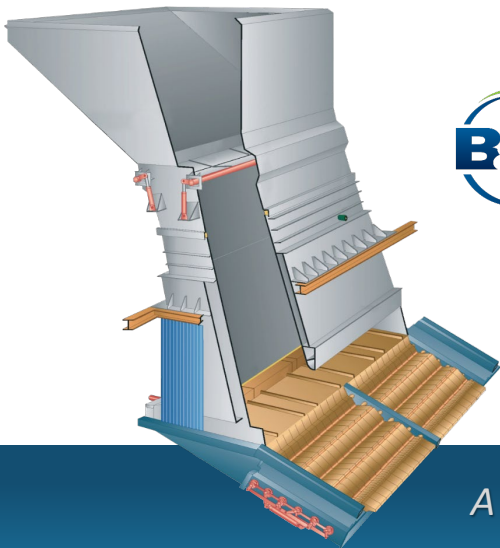
Process Recovery Boilers

Single-drum, industry-standard unit for improved mill operation

Fuels: Black liquor

DynaGrate® Pivoting Combustion Grate

- › Large installed base with diverse set of customers
- › Grate design allows for high availability and long operational time, leading to reduced O&M cost
- › High thermal efficiency and low emissions
- › Fuel flexibility
- › Factory assembled modules reduce field construction



A Market Leader with Differentiating Technology in Waste-to-Energy Solutions

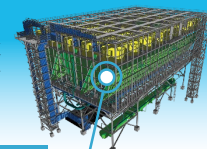
Key Technologies: Emissions Controls



Emission	Technology Solution
Particulate Control	<ul style="list-style-type: none"> ▶ Pulse Jet Fabric Filters (PJFF) / Baghouses ▶ Wet and Dry Electrostatic Precipitators (ESPs) ▶ Wet Particulate Scrubbers ▶ Multiclone® Dust Collectors
NO _x Control	<ul style="list-style-type: none"> ▶ Selective Catalytic and Non-catalytic Reduction (SCR/SNCR) ▶ Low NO_x Burners and Combustion Systems
SO ₂ / Acid Gas Control	<ul style="list-style-type: none"> ▶ Wet or Seawater Flue Gas Desulfurization (FGD) Systems ▶ Semi-dry FGDs (Spray Dry Absorbers, Circulating Dry Scrubbers) ▶ Wet ESPs ▶ Dry Sorbent Injection (DSI)
SO ₃ / Acid Mist Control	<ul style="list-style-type: none"> ▶ Wet ESPs ▶ Dry Sorbent Injection (DSI)
Mercury, Dioxins, Furans	<ul style="list-style-type: none"> ▶ Powdered Activated Carbon Injection ▶ Absorption Plus™, MercPlus™, Mitagent™ Additives ▶ GMAB™ ADIOX® and MERCOX® technologies
Wastewater Elimination	<ul style="list-style-type: none"> ▶ Wastewater Evaporation System (WES) via Spray Drying ▶ Air-Cooled Condensers



Key Technologies: Comprehensive Waste-to-Energy Solutions



On-line boiler washing system

DynaFeeder® waste fuel feeder system

VoluMix® system for improved combustion

DynaGrate® combustion grate
DynaDischarger® ash removal

Energy storage systems

Dry cooling systems

Selective non-catalytic reduction (SNCR) NO_x control

Fabric filter baghouse

Wet scrubber with ADIOX® including energy recovery

Carbon capture solutions

Water-cooled wear zones and Inconel® corrosion protection



Field Services



Component &
System Upgrades



Control Systems



Replacement &
Spare Parts

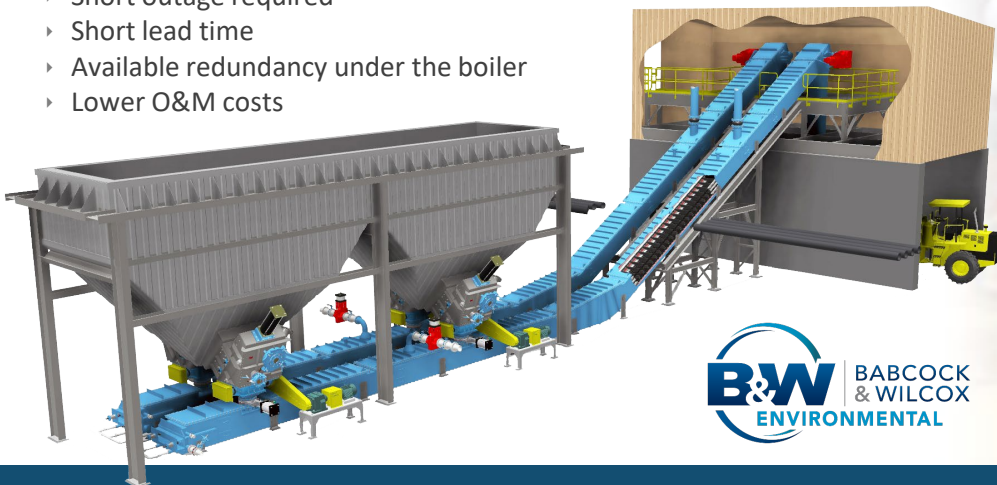


Operation &
Maintenance

Key Technologies: Submerged Grind Conveyor Ash Handling

Designed to meet current and future U.S. regulatory requirements for ash handling with:

- Lower equipment cost
- Lower installation cost
 - Utilize existing hoppers and gate valves
 - No modification to hopper
- Short outage required
- Short lead time
- Available redundancy under the boiler
- Lower O&M costs

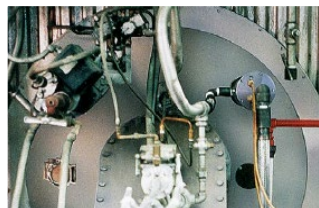
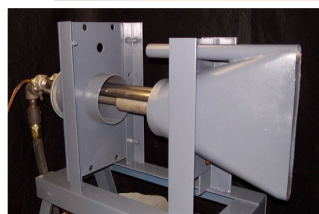


An innovative solution to eliminate ash ponds

Key Technologies: Ignitors, Flame Scanners and Controls

Designed for safety, reliability and fuel flexibility

- › Natural gas conversions from oil or coal-firing
- › Alternative energy fuels such as hydrogen, bio-diesel, methanol and bio-gas
- › Burner management and controls for complete turnkey system capability
- › Flame scanning capability can be effectively implemented on any industrial application
- › New construction or retrofit projects
- › Safety standards conforming to National Fire Protection Association (NFPA) classes



Proven technologies with installations in more than 70 countries, including more than 11,000 ignitors

Engineered products and solutions, quality manufacturing

- ▶ Comprehensive mechanical and process design upgrades
- ▶ Chanute, Kansas, manufacturing facility has produced more HRSG components than any other facility in North America
 - Pressure part modules and coils, superheaters, economizers
 - Finned tubing
 - Casing
 - Ducting
 - Steam drums
 - Housing and frames
- ▶ Firetube and watertube package boilers
- ▶ Sulfuric acid plant capabilities



Proven experience in heat transfer and steam generating equipment for use in a wide range of applications.

Key Technologies: Solar Installation

► Engineering & Procurement

- Project Cost Analysis
- Grid Integration and Interconnection
- Technical Evaluation
- AC and DC Engineering
- Permitting and AHJ Permissions
- Logistics
- Strategic Procurement of Structural Components and Electrical BOE

► Construction

- Subcontractor Management
- On-Site Construction Management
- Coordination and Supervision of Projects
- Utility Interconnections
- Quality and Commissioning Control
- Electrical and Structural QA/QC

Benefits of a solar addition:

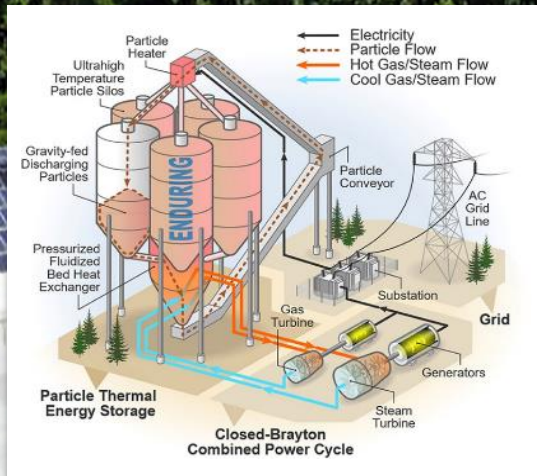
1. Powering up/down operations
2. Supplemental/plant energy source
3. Additional MW/GW output

Industry-leading EPC Services

*High efficiency. Low emissions.
Integrated solutions for clean power production.*

Key Technologies: Long Duration Energy Storage

B&W offers Pressurized or Atmospheric Fluidized Bed technology for long duration energy storage



NREL Enduring: (8-100 hours storage)

- Electric heater (stores heat in sand)
- Air Brayton Combined Cycle

B&W also has an exclusive option to license NREL's Enduring long duration energy storage technology

Long duration energy storage smooths renewable energy peaks and bridges weather events

Key Technologies: Cooling Systems

WET



Natural Draft/Hyperbolic

Fanless design provides low power, noise and maintenance, as well as long operating lifecycle



Mechanical Draft

Counterflow for cost-effective thermal performance; crossflow for low energy consumption and operating costs

MATERIAL OPTIONS:

WOOD | CONCRETE | FIBER-REINFORCED POLYMER (FRP)

DRY



Air-Cooled Condensers

Water preservation technology customized for high-performance, long-life, low noise, corrosion-resistant applications



Air Fin Coolers

Cost-effective designs using embedded or wrapped tubes to meet required thermal, mechanical, noise and space requirements



Optimization Services

Specialized services to maximize plant performance and minimize costs and maintenance

Key Technologies: Global Parts & Service

Upgrades & Retrofits

Maintaining/improving plant operation:

Projects for extending the life of power, process and environmental equipment

Replacement Parts

Supplying components for system reliability:

High-quality standard or custom-engineered pressure and non-pressure parts

Optimization Systems

Enhancing efficiency with proven technology:

Diagnostic, monitoring, tuning and control systems for combustion, cleaning and cooling equipment

Engineering Services

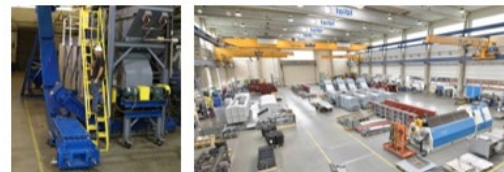
Evaluating options for improved performance:

Expert people, tools and processes to measure, model, design, deliver, train and project manage

Construction

Adding value through constructability:

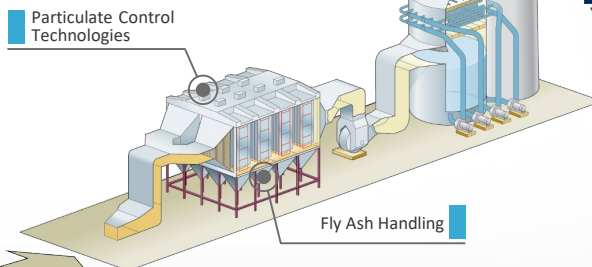
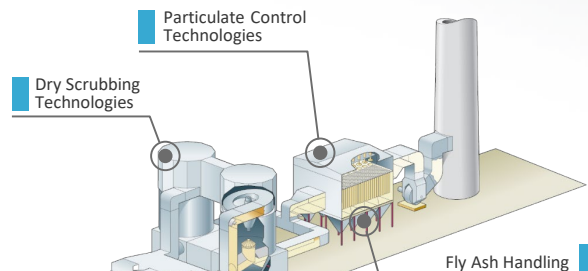
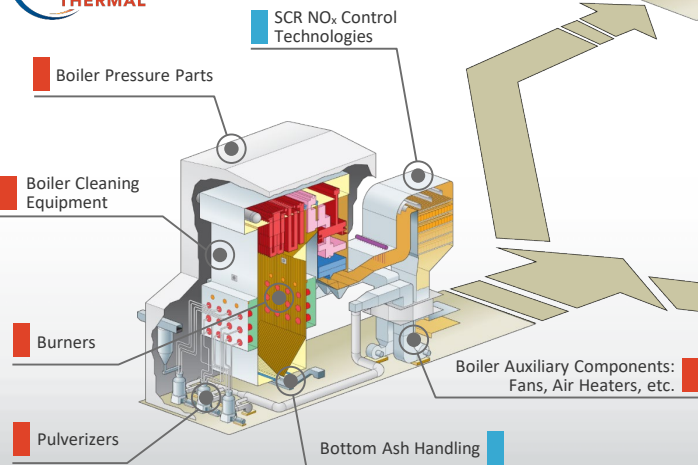
Safe execution of new installation, retrofits, system maintenance/repair, plant modifications



Key Technologies: Steam Generation & Environmental Solutions Across a Utility Plant

Steam Generator Technology

- › Pulverizers
- › Furnace
- › Burners and ignitors
- › Sootblowers
- › Pressure parts
- › Air heaters and air heating cleaning systems
- › Bottom ash handling systems



Environmental Solutions

- › Particulate control
- › Nitrogen oxides (NO_x) removal
- › Sulfur removal
- › Mercury, dioxin and furan removal
- › Fly ash handling systems
- › Wastewater elimination



B&W provides a comprehensive array of proprietary technology and experience to utility power generation customers

