

CRAFT BREW ALLIANCE, INC.
Form 10-K
March 06, 2019
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D. C. 20549
FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934
For the Fiscal Year Ended: December 31, 2018
OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934
Commission File Number: 0-26542

CRAFT BREW ALLIANCE, INC.
(Exact name of registrant as specified in its charter)
Washington 91-1141254
(State or other jurisdiction of incorporation or organization) (I.R.S. Employer Identification No.)
929 North Russell Street
Portland, Oregon 97227-1733
(Address of principal executive offices) (Zip Code)
Registrant's telephone number, including area code: (503) 331-7270
Securities Registered pursuant to Section 12(b) of the Act:
Title of each class Name of each exchange on which registered
Common Stock, \$0.005 par value The NASDAQ Stock Market LLC
Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the Registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.
Yes No

Indicate by check mark if the Registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act.
Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days: Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K, or any amendment to this Form 10-K.

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. (See the definitions of "large accelerated filer," "accelerated filer", "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act).

Check one:

Large Accelerated Filer

Accelerated Filer

Non-accelerated Filer (Do not check if a smaller reporting company)

Smaller Reporting

Company

Emerging Growth

Company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

The aggregate market value of the common equity held by non-affiliates of the registrant as of the last day of the registrant's most recently completed second quarter on June 29, 2018 (based upon the closing price of the registrant's common stock, as reported by the NASDAQ Stock Market, of \$20.65 per share) was \$261,465,571.

The number of shares outstanding of the registrant's common stock as of February 28, 2019 was 19,382,641 shares.

Documents Incorporated by Reference

Portions of the registrant's definitive Proxy Statement for the 2019 Annual Shareholders' Meeting are incorporated by reference into Part III.

CRAFT BREW ALLIANCE, INC.
2018 FORM 10-K ANNUAL REPORT
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INFORMATION REGARDING FORWARD-LOOKING STATEMENTS

This annual report on Form 10-K includes forward-looking statements. Generally, the words “believe,” “expect,” “intend,” “estimate,” “anticipate,” “project,” “will,” “may,” “plan” and similar expressions or their negatives identify forward-looking statements, which generally are not historical in nature. These statements are based upon assumptions and projections that we believe are reasonable, but are by their nature inherently uncertain. Many possible events or factors could affect our future financial results and performance, and could cause actual results or performance to differ materially from those expressed, including those risks and uncertainties described in “Item 1A. - Risk Factors” and those described from time to time in our future reports filed with the Securities and Exchange Commission. Caution should be taken not to place undue reliance on these forward-looking statements, which speak only as of the date of this annual report.

THIRD-PARTY INFORMATION

In this report, we rely on and refer to information regarding industry data obtained from market research, publicly available information, industry publications, U.S. government sources or other third parties. Although we believe that the third-party sources of information we use are materially complete, accurate and reliable, there is no assurance of the accuracy, completeness or reliability of third-party information.

PART I

Item 1. Business

Overview

Craft Brew Alliance, Inc. ("CBA") is the seventh largest craft brewing company in the U.S. and a leader in brewing, branding, and bringing to market world-class American craft beers.

Our distinctive portfolio combines the power of Kona Brewing Co., one of the top craft beer brands in the world, with strong regional breweries and innovative lifestyle brands, including Appalachian Mountain Brewery ("AMB"), Cisco Brewers, Omission Brewing Co., Redhook Brewery, Square Mile Cider Co., Widmer Brothers Brewing, and Wynwood Brewing Co. We nurture the growth and development of our brands in today’s increasingly competitive beer market through our state-of-the-art brewing and distribution capability, integrated sales and marketing infrastructure, and strong focus on innovation, local community and sustainability.

CBA was formed in 2008 through the merger of Redhook Brewery and Widmer Brothers Brewing, the two largest craft brewing pioneers in the Northwest at the time. Following a successful strategic brewing and distribution partnership, Kona Brewing Co. joined CBA in 2010. As part of CBA, Kona has expanded its reach across all 50 U.S. states and approximately 30 countries, while remaining deeply rooted in its home of Hawaii.

As consumers increasingly seek more variety and more local offerings, Craft Brew Alliance has expanded its portfolio and home markets with strong regional craft beer brands in targeted markets. In 2015 and 2016, we formed strategic partnerships with Appalachian Mountain Brewery, based in Boone, North Carolina; Cisco Brewers, based in Nantucket, Massachusetts; and Wynwood Brewing Co., based in the heart of Miami’s vibrant multicultural arts district. Building on the success of these partnerships, we acquired all three brands in the fourth quarter of 2018, fundamentally transforming our footprint and paving the way to increase our investments in their growth and drive shareholder value.

Publicly traded on NASDAQ under the ticker symbol BREW, Craft Brew Alliance is headquartered in Portland, Oregon and operates breweries and brewpubs across the U.S. For more information about CBA and its brands, see

“Available Information” on page 14 of this report.

We proudly brew and package our craft beers in three company-owned production breweries located in Portland, Oregon; Portsmouth, New Hampshire; and Kailua-Kona, Hawaii. In 2018, we continued to leverage our contract brewing agreement with A-B Commercial Strategies, LLC (“ABCS”), an affiliate of Anheuser-Busch, LLC (“A-B”), through which we brew select CBA brands in A-B’s Fort Collins, Colorado brewery. Additionally, we own and operate five innovation breweries in Portland, Oregon; Seattle, Washington; Portsmouth, New Hampshire; Boone, North Carolina; and Miami, Florida, which are primarily used for small-batch production and limited-release beers offered primarily in our brewpubs and brands’ home markets.

We distribute our beers to retailers through wholesalers that are aligned with the A-B network. These sales are made pursuant to a Master Distributor Agreement (the “A-B Distributor Agreement”) with A-B, which extends through 2028. As a result of this

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distribution arrangement, we believe that, under alcohol beverage laws in a majority of states, these wholesalers would own the exclusive right to distribute our beers in their respective markets if the A-B Distributor Agreement expires or is terminated. As competition puts increasing pressure on craft brands outside of their home markets, we are continuing our efforts to stabilize and strengthen Widmer Brothers and Redhook in the Pacific Northwest, while expanding distribution of Appalachian Mountain Brewery, Cisco Brewers, and Wynwood Brewing Co. across their respective home markets of North Carolina, New England, and South Miami.

Separate from our A-B wholesalers, we maintain an internal independent sales and marketing organization with resources across the key functions of brand management, field marketing, field sales, and national retail sales.

We operate in two segments: Beer Related operations and Brewpubs operations. Beer Related operations include the brewing, and domestic and international sales, of craft beers and ciders from our breweries. Brewpubs operations primarily include our seven brewpubs, six of which are located adjacent to our Beer Related operations, as well as other merchandise sales, and sales of our beers directly to customers.

Industry Background

We are one of the top seven brewers in the craft brewing segment of the U.S. brewing industry. The domestic beer market includes ales and lagers produced by large domestic brewers, international brewers and craft brewers. As the overall domestic market experienced a decrease in shipments of 1% in 2018, the craft beer segment began to show signs of a slowdown. Shipments of craft beer in the U.S. are estimated by industry sources to have decreased by only 0.6% in 2018 over 2017, compared to a 1.4% increase in 2017 over 2016. Of total beer shipped in the U.S., craft beer shipments were approximately 14.3% in 2018 and 14.2% in 2017. Approximately 29.0 million barrels and 29.2 million barrels, respectively, were shipped in the U.S. by the craft beer segment during 2018 and 2017, while total beer sold in the U.S., including imported beer, was 202.6 million barrels and 204.6 million barrels, respectively. Compared with the other segments of the U.S. brewing industry, craft brewing is a relative newcomer. Twenty years ago, Redhook and Widmer Brothers Brewery were two of the approximately 200 craft breweries in operation. By the end of 2018, the number of craft breweries in operation had grown to more than 7,000. Industry sources estimate that craft beer produced by regional and national craft brewers, similar to us, accounts for approximately two-thirds of total craft beer sales, with one-third of the production brewed by smaller craft breweries.

Our comprehensive portfolio and national scale provide a competitive advantage in today's market environment, which includes craft brewers, domestic specialty beers, and imports. Our distinctive brand portfolio is positioned to address significant changes in consumer trends, including increased demand for innovative flavors and styles, a growing interest in sustainability, and the increasing importance of local relevance. As an example, Kona Brewing is one of the top craft brewers, with a broad portfolio of beers that reflect a uniquely Hawaii-inspired flavor profile, a recognized track record in sustainable business practices, and deep ties to its local community as Hawaii's longest-running craft brewery.

Business Strategy

At Craft Brew Alliance, we believe we have an advantaged strategy to sustain long-term growth in today's increasingly complex beer market.

The central elements of our business strategy include:

- Increased focus on topline growth, driving our Kona Plus portfolio strategy, supporting our strong regional craft brands in their home markets, and unlocking the potential of Kona as a global lifestyle brand.
- Building on healthy business fundamentals, including strong revenue management and improved supply chain execution to expand gross margin.

Actualizing the future, through leveraging CBA's enhanced partnership agreements with Anheuser-Busch to drive growth, value and cost savings, while continuing to explore potential new opportunities for innovation and to invest in our talent and culture.

Key Differentiators

Following are key differentiators that create competitive advantage for CBA in today's rapidly evolving craft beer segment.

- A distinctive portfolio of authentic craft beer brands anchored by Kona Brewing Co., which combines the power of one of the largest craft beer brands in the U.S with a strong stable of award-winning regional craft brands.

- A transformational strategic relationship with Anheuser-Busch InBev, through which we have been able to gain access to the best route to market in the industry, optimize our brewery footprint, and support Kona's global growth.

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A national brewing footprint that allows us to get our beers to market faster, fresher and more efficiently. We have significant flexibility to fully leverage the specific strengths of our distinct breweries and operations, as well as A-B's Fort Collins, Colorado brewery. Additionally, we guarantee the quality and consistency of all of our products through fine-tuned processes designed to ensure that everything, from brewing to quality-assurance to warehousing and distribution, meets our high standards. We believe that maximizing production under our direct supervision and through accomplished and expert partners is critical to our success. Further, we believe that our ability to engage in ongoing product innovation while controlling product quality provides critical competitive advantages. Each of our breweries is modern, has flexible production capabilities, and is designed to produce beer in smaller batches compared to the national domestic brewers, thereby allowing us to brew a wide variety of brand offerings. We believe that our investment in brewing and logistics technologies enables us to minimize brewery operating costs and consistently produce innovative beer styles.

Nationwide sales activation through robust partnerships with leading retailers. We leverage our national sales and marketing capabilities and complementary brand families to create a unique identity in the distribution channel and with the consumer.

National seamless distribution as an aligned brand within the Anheuser-Busch wholesaler network. This distribution footprint provides efficiencies in logistics and product delivery, state reporting and licensing, billing and collections. We have realized these efficiencies while maintaining full autonomy over the production, sale and marketing of our products as an independent craft beer company.

An experienced leadership team with expertise in the beer and beverage industries. The team has a proven ability to manage brand lifecycles, from development to turnaround, in both large and growth-company settings.

A commitment to innovation. In 2018, we launched the most comprehensive consumer research initiative in our company history, including pH, a quick test-and-learn product experiment, and two consumer-based studies with global consultancy Prophet and the Yale Center for Consumer Insights.

Strategic Partner Acquisitions

On October 10, 2018, we announced the acquisition of our three craft partner brands -- North Carolina-based Appalachian Mountain Brewery, Massachusetts-based Cisco Brewers, and Florida-based Wynwood Brewing Co. -- to begin unlocking the full potential of our expanded portfolio. The acquisitions build on our successful craft partnership strategy, launched in 2015. Over the past several years, the partnerships with AMB, Cisco, and Wynwood have bolstered CBA's portfolio, anchored by Kona Brewing Co., with strong local brands and innovation breweries in key markets. Further, the partnerships helped propel CBA's strategic brewery evolution by leveraging the production capability and location of the Portsmouth, New Hampshire brewery as CBA rebalanced its brewing footprint.

Under the purchase agreement with AMB, CBA acquired the AMB brand, brewery, and pub. The transaction closed November 29, 2018.

Under the agreement between CBA and Cisco, which closed October 10, 2018, CBA acquired the intellectual property assets of Cisco relating to its malt beverage products. Cisco's founders continue to own and operate the Cisco Brewers brewpub properties and retail merchandising, including the original brewery and grounds in Nantucket.

Under CBA's agreement with Wynwood Brewing Co., which also closed October 10, 2018, CBA purchased the remaining 75.5 percent equity interest in the Miami-based brewery, which became a wholly owned subsidiary of CBA. Wynwood's operations will continue under the leadership of Co-founders Luis and his father "Pops" Brignoni.

Collectively, the acquisitions represent a milestone in enabling CBA and its shareholders to fully participate in the value that the partners will bring as wholly owned CBA brands.

Brand Overview

Our portfolio includes national brands Kona Brewing Company and Omission Brewing, as well as regional craft brands Appalachian Mountain Brewery, Cisco Brewers, Redhook Brewery, Square Mile Cider Company, Widmer Brothers Brewing, and Wynwood Brewing Co. with deep community roots.

We produce a variety of specialty craft beers and ciders using traditional brewing methods complemented by American innovation and invention. We brew our beers using high-quality hops, malted barley, wheat, rye and other natural traditional and nontraditional ingredients. To craft our ciders, we use three apple varieties from the Pacific Northwest and then use a lager beer yeast to make a unique and easy-to-drink hard cider.

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Below is an overview of our eight owned brands:

Kona Brewing Company

Kona Brewing Company was started in Kailua-Kona on the Island of Hawaii in the spring of 1994 by father and son team Cameron Healy and Spoon Khalsa, who had a dream to create fresh, local island brews made with spirit, passion and quality.

Today, Kona is Hawaii's largest and favorite craft brewery, known for top-selling flagship beers Big Wave Golden Ale and Longboard Island Lager and award-winning innovative small-batch beers available across the islands. The Hawaii born and Hawaii-based craft brewery prides itself on brewing the freshest beer of exceptional quality closest to market. This helps to minimize its carbon footprint by reducing shipping of raw materials, finished beer and packaging materials. In 2019, Kona will open a new 100,000-barrel solar and battery-powered brewery in Kailua-Kona, which will allow Kona to brew more beer on the islands and meet increasing demand in its home state, while saving precious natural resources.

Kona Brewing Company has become one of the top craft beer brands in the world, while remaining steadfastly committed to its home market through a strong focus on innovation, sustainability and community outreach.

Omission Beer

Founded in 2012, Omission Brewing Co. is the first craft beer brand in the U.S. focused exclusively on brewing great-tasting beers with traditional beer ingredients, including malted barley, that are specially crafted to remove gluten. Each batch of Omission Beer is tested independently using the R5 competitive ELISA test to ensure that it contains gluten levels below the U.S. Food and Drug Administration ("FDA") gluten-free standard of 20ppm or less. Omission's line up of beers is the most awarded within the gluten reduced segment, and includes Omission Lager, Omission Pale Ale, Omission IPA, and Omission Ultimate Light Golden Ale, a full-flavored gluten-reduced ale with only 99 calories and 5 carbs, released in 2017.

Appalachian Mountain Brewery

Nestled in the High Country of North Carolina, Appalachian Mountain Brewery is Boone, NC's beer pioneer. The brewery is dedicated to making seriously delicious craft beer while focusing its business model on community, sustainability and philanthropy. Through its beers, AMB supports a variety of non-profits that are dedicated to enriching the land, water, air and people of the High Country. Appalachian Mountain Brewery has earned numerous awards for its innovative craft beers and ciders, including Boone Creek Blonde Ale, which won a Gold Medal at the 2015 U.S. Open Beer Championships and a Gold Medal at the 2017 Great American Beer Festival Competition, as well as Not a Double IPA, which won a Silver Medal at the 2018 Great American Beer Festival. The brewery's core portfolio also includes Long Leaf IPA, Spooty Oaty Pale Ale, and Porter, which was a gold medal winner at the 2015 Great International Beer and Cider Competition.

Cisco Brewers

Located near Cisco Beach on the island of Nantucket, Cisco Brewers is Nantucket's first craft brewery. Founded by hard-working, entrepreneurial islanders who began selling beer from their outdoor brewery in 1995, Cisco has carved out its own special place on Nantucket where they tough out the winters to celebrate the summers. Over the years they've attracted a cult following with visitors to the island and open the door to anyone willing to make the trek. Named a top travel destination by Time Magazine, Huffington Post, Travel & Leisure and Men's Journal, Cisco's brewery is a common ground where people from all walks of life connect over classic and approachable craft beers like Whale's Tale Pale Ale, Grey Lady Ale, Sankaty Light Lager, and most recently, Gripah IPA. In addition to its Nantucket location, Cisco operates a brewpub in Portsmouth, New Hampshire and opens seasonal pop-up pubs in New England.

Redhook Brewery

Redhook was born out of the entrepreneurial spirit of the early 1980s in the heart of Seattle. While the term didn't exist at the time, Redhook became one of America's first craft breweries with its focus on creating a better beer. From a modest start in a former transmission shop in the Seattle neighborhood of Ballard, to a Fremont trolley barn that housed The Trolleyman brewpub, to its current brewery in Seattle, Washington, Redhook continues its passion for brewing innovative beers that stand apart in today's crowded craft beer marketplace.

Redhook opened Brewlab, an experimental 10-barrel brewery and pub, in the Capitol Hill neighborhood of Seattle in 2017.

Redhook's beer lineup includes Big Ballard IPA, Bicoastal IPA, ESB, Long Hammer IPA and a variety of seasonal beers, including My Oh My Caramel Macchiato Milk Stout, Tangelic Halo Tangerine IPA, Winterhook, and more.

Square Mile Cider Company

Launched in 2013, Square Mile Cider is the hard cider for the modern-day pioneers celebrating the spirit of the Pacific Northwest. We set out to reinvigorate an enduringly classic American beverage with a blend of hand-selected apples combined with unique

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Northwest ingredients. Square Mile Cider produces three varieties of hard cider: Original Apple Cider, Hopped Apple Cider, and Rosé Apple Cider, which debuted in 2017 as one of the first rosé ciders in the market.

Widmer Brothers Brewing

Widmer Brothers Brewing was founded in 1984 in Portland, Oregon. Brothers Kurt and Rob Widmer, with help from their father, Ray, helped lead the Pacific Northwest craft beer movement when they began brewing unique interpretations of traditional German beer styles. In 1986, Widmer Brothers Brewing introduced the original American-style Hefeweizen, which elevated the brewery to national acclaim. Since then, Hefe has grown to become Oregon's favorite craft beer and the brewery has continued to push the boundaries, developing beers with an unapologetic, uncompromised commitment to innovation.

Widmer Brothers currently brews a variety of award-winning beers. Its flagship Hefe, has won more than 30 medals, including nine from the Great American Beer Festival. The brewery's other beers include Upheaval IPA, Drop Top Amber Ale, and a full seasonal lineup.

Wynwood Brewing Company

Wynwood Brewing Company is Miami's first craft production brewery. Founded by Luis Brignoni and his father Luis "Pops" Brignoni Sr., Wynwood is deeply rooted in its founders' Puerto Rican heritage and the brewery's namesake neighborhood, the vibrant Wynwood Arts District. Wynwood Brewing Co. operates a 15-barrel brewhouse and taproom in the heart of the Wynwood Art District and distributes a variety of year-round, seasonal and limited beer offerings throughout South Florida, including flagship La Rubia Blonde Ale, Laces IPA, and Pop's Porter, which earned a Gold Medal at the 2014 Great American Beer Festival.

Developments in Brands and Packaging

Our recent brand and packaging developments include:

Kona Brewing

In 2018, Kona Brewing Co. expanded its portfolio with two new national brands, Kanaha Blonde Ale, a refreshing ale made with real mango fruit, and Gold Cliff IPA, a bold, hoppy IPA with tropical pineapple. Building on increasing consumer trends around living an active lifestyle, Kanaha Blonde Ale is only 99 calories, 4 carbs, and 4.2% ABV.

As with all of Kona's beers, Kanaha Blonde Ale and Gold Cliff IPA were named for real locations and experiences in Hawaii. The low-calorie and refreshing Kanaha was named for the popular kite-surfing beaches of Kanaha on the North Shore of Maui. And the bold, juicy 7.2% ABV Gold Cliff IPA pays homage to the southern tip of Lanai, where the island's first pineapple field sits atop cliffs that overlook cobalt blue waters. 2018 represented another year of robust growth for Kona, which grew volumes by 7%, exceeding the growth rate for the overall craft category. Kona's growth was primarily led by flagship Big Wave, which grew depletions by 8% over 2017, and Longboard Lager, with distribution across all 50 states and approximately 30 international markets. In response to continued demand for its flagships in its home market, Kona also released Big Wave Golden Ale and Longboard Lager in new 18-packs of 12oz cans in Hawaii.

Omission Brewing Co.

Omission Brewing Co. remains the market leader in the gluten-removed beer category. In 2018, Omission expanded distribution of its newest national brand, Omission Ultimate Light, a refreshing 5-carb, 99-calorie gluten removed golden ale. Ultimate Light joins Omission's national portfolio which includes Omission IPA, Omission Lager, and Omission Pale Ale - which earned a Silver Medal at the 2018 Great American Beer Festival. In 2018, Omission continued to expand distribution of Ultimate Light in 12oz cans in four U.S markets, Austin, Boston, Denver, and Phoenix.

Widmer Brothers Brewing

In 2018, Widmer Brothers continued to focus on the brewery's flagship Hefe, which is the best-selling craft beer in Oregon. The brewery celebrated Hefe Day in May 2018 with a celebration at the taproom and adjacent beer garden featuring \$0.86 Hefe specials. In December 2018, Widmer Brothers launched co-branded Portland Trail Blazers 16oz. Hefe cans, building on the longest-running craft beer partnership in the NBA and further supporting their award-winning flagship, which picked up its ninth medal from the Great American Beer Festival Competition in 2018.

Widmer Brothers added fan favorites Deadlift Imperial IPA and Green & Gold Kolsch to their 2018 seasonal lineup. Deadlift Imperial IPA, a bold double IPA that packs a flavorful hop punch and a smooth finish, was originally brewed in 2010 under a different name. The beer released in 6-packs, 12-packs, and draft as the spring seasonal and transitioned to a year-round offering in the fall. Green & Gold Kolsch, a crisp, golden-colored beer with aromas of strawberry and cracked black pepper, released in April 2018 as Widmer Brothers' summer seasonal.

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As a tribute to the neighborhood and city that has supported the brewery for over 30 years, Widmer Brothers introduced the Portland Pub Series Variety Pack, featuring beers that originated in the 10-barrel innovation brewery, including Russell Street IPA, PDX Pils, Steel Bridge Porter, and Hefe X, a rotating series featuring the brewery's flagship Hefe with additions of different hop varieties. Widmer Brothers also launched several small-batch cans and bottles from the innovation brewery throughout the year, including Closing Time IPA, brewed in collaboration with rideshare company Lyft, which included a unique code to receive a ride discount. The brewery also released Le Petit Brasseur, one of the first craft beers bottled in reusable 500ml bottles in partnership with Oregon Bottle Drop.

Redhook Brewery

In 2018, Redhook bolstered its year-round portfolio, which includes Big Ballard Imperial IPA, Long Hammer IPA, ESB, and Bicoastal IPA, adding four new beers to its seasonal and Brewlab Limited Release Series lineups. My Oh My Caramel Macchiato Milk Stout, a rich, espresso-driven milk stout brewed with coffee and dark malts, released in January as a spring seasonal, and Tangelic Halo IPA, a tangerine IPA packed with naturally citrusy hops, debuted in May as the summer seasonal.

Building on the success of the Brewlab Limited Release Series in 2017, in 2018 Redhook released two new Limited Release beers based on recipes first brewed on Brewlab's innovation brewery: Peaches for Me IPA and Continuous Revelation Coffee IPA. Loaded with juicy peach and mango and amplified by a trio of hops, Peaches for Me IPA was released in 6-pack bottles and draft. Continuous Revelation Coffee IPA brings together two Pacific Northwest staples: great beer and great coffee, and the coffee-laced IPA hit shelves in 6-packs in the latter half of 2018. Both limited release brews, as well as Tangelic Halo IPA, were also included in seasonal Hoppy Hook Pack variety packs.

Redhook Brewlab, Redhook's innovation brewery and pub in the vibrant Capitol Hill neighborhood of Seattle, celebrated its one-year anniversary in August 2018, and was honored to be voted Best Brewery, Best Bar, and Best Happy Hour in Seattle Weekly's 2018 Best Of issue.

Square Mile Cider Company

In 2018, Square Mile Cider Company added Rosé Apple Cider to its year-round lineup. First released in 2017 as a seasonal offering, Rosé Apple Cider is a dry apple cider made with rose hips and hibiscus for a rosé flavor and pink hue. Square Mile Cider Company, which finds its inspiration from the pioneering spirit of the original Oregon pioneers, continued to focus on distribution in 12 states with their three ciders: Original Apple Cider, a classic American hard cider; Hopped Apple Cider, a hopped version of the classic American hard cider, with the addition of Citra and Galaxy hops; and Rosé Apple Cider.

Brewing Operations

Brewing Facilities

We use highly automated brewing equipment at our owned production breweries and innovation breweries. As of December 31, 2018, our total owned production capacity was 855,000 barrels. Our breweries include:

Oregon Brewery. Our Oregon Brewery is our largest capacity production brewery, which has an annual capacity of 630,000 barrels. In 2018, we completed the installation of a new canning line, which will enable us to produce a variety of can sizes - such as 12oz, 16oz and 19.2oz - to meet consumer demand. The brewery utilizes a CO₂ recovery system to capture and repurpose CO₂ naturally produced during the brewing process, eliminating the need to purchase and transport CO₂, thus further supporting our focus on sustainability.

New Hampshire Brewery. Our New Hampshire Brewery utilizes a 100-barrel brewing system, with an annual capacity of 215,000 barrels, and uses an anaerobic waste-water treatment facility with power co-generation that completes the process cycle.

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Hawaii Brewery. Our current Hawaii Brewery utilizes a 25-barrel brewing system, with an annual capacity of 10,000 barrels, and a 229-kilowatt photovoltaic solar energy generating system to supply approximately 50 percent of its energy requirements through renewable energy. In 2018, we continued to make progress on construction of a new 100,000-barrel brewery located steps away from our existing brewery and pub in Kona. The new brewery, which is being built with best-in-class sustainability and innovation, is scheduled to go online in the latter half of 2019.

Innovation Breweries. In 2018, we continued to leverage a 10-barrel small-batch innovation brewery built for Redhook in Seattle. The heart of the new brewery is a High Efficiency Brewing System that uses a mash filter press, allowing us to use significantly less water and energy than a typical brewery. The brewery's flexibility enables Redhook to produce hundreds of different beer recipes that can be tested in the pub and scaled for larger production based on popularity. Our Portland 10-barrel innovation brewery and New Hampshire 3-barrel innovation brewery - as well as our newly acquired 10-barrel brewery in North Carolina and 15-barrel brewery in Florida, continued to focus on producing small batch beers for the local markets.

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In addition to our owned brewing capacity, we continued to produce CBA beers in A-B's Fort Collins, Colo. brewery as part of a brewing agreement with ABCS. This partnership, which began in 2016, allows us to produce up to 300,000 barrels at this location annually.

Packaging

We package our craft beers in cans, bottles and kegs. All of our production breweries, with the exception of the Hawaii Brewery, have fully automated bottling and keg lines, and our Portsmouth and Portland breweries both have canning capability. The bottle fillers at all of the breweries utilize a carbon dioxide environment during bottling, ensuring that minimal oxygen is dissolved in the beer and extending the beer's shelf life. We offer an assortment of packages to highlight the unique characteristics of each of our beers and to provide greater opportunities for customers to drink our beers in more locations and at more events and occasions, matching the active lifestyles and preferences of our consumers. Additionally, in our Hawaii brewpub and Seattle brewpub, we package our small-batch and innovation beers for consumers in crowlers.

Quality Control

We monitor production and quality control at all of our breweries, with central coordination at the Oregon Brewery. All of the production breweries have an on-site laboratory where microbiologists and lab technicians supervise on-site yeast propagation, monitor product quality, test products, measure color and bitterness, and test for oxidation and unwanted bacteria. We also regularly utilize outside laboratories for independent product analysis. In addition, every batch of beer that we produce goes through an internal taste panel to ensure that it meets our taste and profile standards.

Ingredients and Raw Materials

We currently purchase a significant portion of our malted barley from two suppliers and our premium-quality select hops, mostly grown in the Pacific Northwest, from competitive sources. We also periodically purchase small lots of hops from international sources, such as New Zealand and Western Europe, which we use to achieve a special hop character in certain beers. In order to ensure the supply of the hop varieties used in our products, we enter into supply contracts for our hop requirements. We believe that comparable quality malted barley and hops are available from alternate sources at competitive prices, although there can be no assurance that pricing would be consistent with our current arrangements. We currently cultivate our own yeast supply for certain strains and maintain a separate, secure supply in-house. We have access to multiple competitive sources for packaging materials, such as labels, six-pack carriers, crowns, cans and shipping cases.

Contract Brewing

In an effort to absorb excess capacity, we enter into contract brewing arrangements under which we produce beer in volumes and per specifications as designated by the arrangements.

During 2018, we shipped 28,200 barrels under contract brewing arrangements, compared to 17,700 barrels in 2017 and 26,700 in 2016.

Innovation

In 2018, we launched a comprehensive consumer research effort, beginning with the pH Experiment, a test-and-learn initiative that enabled us to quickly gather insights around consumer taste preferences and consumption trends. Additionally, we embarked on two consumer research projects with global consultancy Prophet and the Yale Center for Customer Insights to help understand new segmentation strategies. Combined with the ongoing learnings from our innovation breweries in Boone, Kailua-Kona, Miami, Portland, Portsmouth, and Seattle, these initiatives will broaden our view of today's changing consumer landscape and inform the evolution of our business model and portfolio in 2019 and beyond.

Brewpubs Operations

We own and operate brew-pub restaurants and retail stores in our brewery home markets that support consumer awareness and research and development. In the fourth quarter of 2018, as part of the acquisition of our strategic partners, we added the AMB brewpub in Boone, NC and the Wynwood Brewing Co. brewpub in Miami, Florida, expanding our total brewpubs to seven. Our brewpub restaurants allow us to interact directly with over 1.5 million consumers annually in our home markets, which support brand awareness and trial. Our brewers are continually experimenting with different varieties of hops and malts in all styles of beer, and our brewpubs allow us to bring those beers to market in test-size batches in order to evaluate their potential prior to releasing them on a wider basis.

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Distribution

With limited exceptions, all brewers in the United States are required to sell their beers to independent wholesalers, who then sell the beers to retailers. We are the only independent craft brewer in the U.S. to have established a wholly aligned distribution network through our partnership with A-B. This partnership provides us national distribution, which results in both an effective distribution presence in each market and administrative efficiencies. Our beers are available for sale directly to consumers in draft, cans and bottles at restaurants, bars and liquor stores, as well as in cans and bottles at supermarkets, warehouse clubs, convenience stores and drug stores. We sell beer directly to consumers at our brewpubs and breweries.

We distribute in all 50 states, pursuant to a master distributor agreement with A-B that allows us access to A-B's national distribution network. For additional information regarding our relationship with A-B, see "Relationship with Anheuser-Busch, LLC" below. Management believes that our competitors in the craft beer segment generally negotiate distribution relationships separately with wholesalers in each locality and, as a result, typically distribute through a variety of wholesalers representing differing national beer brands with uncoordinated territorial boundaries.

In 2018 and 2017, we sold approximately 653,300 barrels and 654,200 barrels, respectively, to the wholesalers in A-B's distribution network, accounting for 87.4% of our shipment volume for the 2018 and 2017 periods.

Sales and Marketing

In addition to leveraging our owned brewpubs and retail locations, we promote our products through a national sales and marketing network that includes, but is not limited to, i) creating and executing a range of advertising programs; ii) training and educating wholesalers and retailers about our products; and iii) promoting our name, product offerings, brands, and experimental beers at local festivals, venues and brewpubs.

We advertise and promote our products through an assortment of media, including television, radio, billboard, print, digital and social media, including Facebook, Twitter and Instagram, in key markets and by participating in cooperative programs with our wholesalers. We believe that the financial commitment by the distributor helps align the distributor's interests with ours, and the distributor's knowledge of the local market results in an advertising and promotion program that is targeted in a manner that will best promote our products.

Our breweries also play a significant role in increasing consumer awareness of our products and enhancing our image as a craft brewer. Thousands of visitors take tours at our breweries each year and all of our production breweries have a retail restaurant or pub where our products are served. In addition, several of the breweries have meeting space that the public can rent for business meetings, parties and holiday events, and that we use to entertain and educate wholesalers, retailers and the media about our products. At our brewpubs, we sell various items of apparel and other merchandise bearing our trademarks, which creates further awareness of our beers and brands. To further promote retail canned and bottled product sales, and in response to local competitive conditions, we regularly recommend that wholesalers offer discounts to retailers in most of our markets.

Relationship with Anheuser-Busch, LLC

As a significant element of our business operations, we have entered into various contractual relationships with A-B as described in more detail below. With regard to agreements with A-B or one of its affiliates that provide for the payment of fees or other compensation in exchange for products or services, due to the related party nature of the agreements, the contract pricing may not be commensurate with amounts that an independent market participant would pay.

Distributor Agreement

The Master A-B Distributor Agreement (the "A-B Distributor Agreement"), as amended in August 2016, provides for the distribution of our brands in all states, territories and possessions of the United States, including the District of Columbia and, except with respect to Kona beers, all U.S. military, diplomatic, and governmental installations in a U.S. territory or possession. Under the A-B Distributor Agreement, we have granted A-B the right of first refusal to distribute our products, including any internally developed new products, but excluding new products that we may acquire. We are responsible for marketing our products to A-B's wholesalers, as well as to retailers and consumers.

As amended in August 2016, the term of the A-B Distributor Agreement will expire on December 31, 2028. The A-B Distributor Agreement is also subject to immediate termination, by either party, upon the occurrence of standard events of default as defined in the agreement. Additionally, the A-B Distributor Agreement may be terminated by A-B, with six months' prior written notice to us, upon the occurrence of any of the following events:

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- we engage in incompatible conduct that damages the reputation or image of A-B or the brewing industry;
- any A-B competitor or affiliate thereof acquires 10% or more of our outstanding equity securities, and that entity designates one or more persons to our board of directors;
- our current chief executive officer ceases to function in that role or is terminated, and a satisfactory successor, in A-B's opinion, is not appointed within six months;
- we are merged or consolidated into or with any other entity or any other entity merges or consolidates into or with us without A-B's prior approval; or
- A-B, its subsidiaries, affiliates, or parent, incur any obligation or expense as a result of a claim asserted against them by or in our name, or by our affiliates or shareholders, and we do not reimburse and indemnify A-B and its corporate affiliates on demand for the entire amount of the obligation or expense.

A-B also has the right to deliver a revocation notice and reinstitute the terms of the A-B Distributor Agreement as they existed prior to August 23, 2016, following a "change of control event" that occurs or for which a definitive agreement is entered into prior to August 23, 2019, and is subsequently completed. A "change of control event" includes, with certain exceptions, (i) the acquisition by a person or group of beneficial ownership on a fully diluted basis of 50% or more of our equity securities (or the equity securities of the surviving entity in any merger, consolidation, share exchange or other business combination involving us), (ii) a change in the composition of our board of directors during any consecutive 12-month period such that the incumbent directors cease to constitute at least a majority of the board of directors, or (iii) the completion of a sale, lease, exchange, or other transfer of (A) the Kona brand or (B) 50% or more of our assets based on fair market value.

A-B would have a similar revocation right at any time following the earliest to occur of (x) our rejection of a "qualifying offer" by A-B, (y) the completion of a transaction implementing A-B's qualifying offer, and (z) our failure to enter into a definitive transaction agreement with A-B within 120 days following receipt of A-B's qualifying offer, with certain exceptions. A "qualifying offer" means an offer or proposal on customary terms and conditions, with certain exceptions, made by A-B (or one of its affiliates) for the acquisition of all of our outstanding common stock not owned by A-B or its affiliates, for a specified aggregate value (subject to adjustment for changes in capitalization). From and after August 24, 2018, the specified value for a qualifying offer must be at least \$24.50 per share.

Under the A-B Distributor Agreement, we pay \$0.25 per case-equivalent as a margin fee. Beginning on January 1, 2019, we will reinvest an aggregate amount equal to \$0.25 per case-equivalent in sales and marketing efforts for our products. If A-B were to exercise its revocation right described above, the margin fee payable under the A-B Distribution Agreement would revert to \$0.75 per case-equivalent.

International Distribution Agreement

On August 23, 2016, we also entered into an International Distribution Agreement (the "International Distribution Agreement") with Anheuser-Busch Worldwide Investments, LLC ("ABWI"), an affiliate of A-B, pursuant to which ABWI will be the sole and exclusive distributor of our malt beverage products in jurisdictions outside the United States, subject to the terms and conditions of our agreement with our existing international distributor, CraftCan Travel LLC, and certain other limitations, in each case as set forth in the International Distribution Agreement. Under the International Distribution Agreement, following delivery of notice to us, ABWI may also elect to commence brewing outside of the United States some or all of the products to be distributed in the non-U.S. jurisdictions covered by the International Distribution Agreement.

Under the terms of the International Distribution Agreement, with respect to our exported products produced by us, ABWI will pay us our costs of production plus reasonable out-of-pocket expenses relating to export shipment costs. Additionally, ABWI will pay us an international royalty fee based on volume of our products sold by ABWI, equal to either \$40 per barrel or \$30 per barrel, depending on certain factors described in the International Distribution

Agreement, which royalty fee will be subject to escalation annually, beginning in calendar year 2018, on the terms described in the International Distribution Agreement. In addition, for calendar years 2016, 2017 and 2018, ABWI has paid us one-time fees of \$3.0 million, \$5.0 million and \$6.0 million, respectively. The sum of the fees is recognized in Beer Related Net sales on a straight-line basis over the 10-year contract term, while the fees are collected in the first quarter of the year following the applicable calendar year.

The International Distribution Agreement contains specified termination rights, including, among other things, the right of either party to terminate the International Distribution Agreement if (a) the other party fails to perform any material obligation under the International Distribution Agreement, subject to certain cure rights or (b) the Brewing Agreement (as defined below) is terminated pursuant to certain specified provisions thereof. In addition, ABWI has the right to terminate the International Distribution Agreement upon 90 days' prior written notice to us following (i) a "change of control event" (as defined above) that occurs or for which a definitive agreement is entered into prior to August 23, 2019, and is subsequently completed, or (ii) the earliest of (x) our rejection of a "qualifying offer" (as defined above), (y) the completion of a transaction implementing a qualifying offer, and (z) our failure to enter into a definitive transaction agreement within 120 days following receipt of a qualifying offer, with certain

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exceptions (each of the foregoing subclauses (x) through (z), a “qualifying offer lapse”). Following termination of the International Distribution Agreement due to a qualifying offer lapse, or any change of control event, ABWI shall have the right to purchase the international distribution rights for each of our brands then being distributed under the International Distribution Agreement at the fair market value of such rights, and on otherwise customary terms and conditions, as set forth in the International Distribution Agreement.

Under the International Distribution Agreement, ABWI will also be required to make a one-time \$20.0 million payment to us on August 23, 2019. The payment is being recognized in Beer Related Net sales on a straight-line basis over the 10-year contract term. However, ABWI will not (subject to compliance with certain notice requirements) be obligated to make such one-time payment if, prior to that date, (i) a “change of control event” occurs or a definitive agreement for a transaction constituting a change of control event is entered into, (ii) ABWI (or an affiliate thereof) makes a qualifying offer and there is a qualifying offer lapse or (iii) we enter into a definitive agreement with ABWI (or an affiliate thereof) with respect to a qualifying offer but such agreement is subsequently terminated, other than for certain regulatory reasons (in which case the \$20.0 million shall remain payable). Unless terminated sooner, the International Distribution Agreement will continue in effect until December 31, 2026.

Contract Brewing Arrangements

On August 23, 2016, we entered into a Contract Brewing Agreement (the “Brewing Agreement”) with A-B Commercial Strategies, LLC (“ABCS”), an affiliate of A-B, pursuant to which ABCS will brew, bottle and package up to 300,000 barrels of our mutually agreed products annually, in facilities owned by ABCS within the United States, for an initial term through December 31, 2026. Production of CBA's products in ABCS's brewery in Fort Collins, Colorado, began in the second quarter of 2017. We share equally with ABCS in any cost savings arising from the Brewing Agreement, provided that our cost savings will equal at least \$10.00 per barrel on an aggregate basis, following certain adjustments as set forth in the Brewing Agreement. The Brewing Agreement provides specified termination rights, including, among other things, the right of either party to terminate the Brewing Agreement if (i) the other party fails to perform any material obligation under the Brewing Agreement, subject to certain cure rights, (ii) the International Distribution Agreement (as defined above) is terminated pursuant to certain specified provisions thereof, or (iii) subject to certain conditions, if the A-B Distributor Agreement (as defined above) is terminated pursuant to certain specified provisions thereof.

In addition, ABCS has the right to terminate the Brewing Agreement, upon 90 days' prior written notice to us, following (i) a change of control event (as defined above) that occurs or for which a definitive agreement is entered into prior to August 23, 2019, and is subsequently completed, or (ii) the earliest to occur of (x) our rejection of a “qualifying offer” (as defined above), (y) the completion of a transaction implementing a qualifying offer, and (z) our failure to enter into a definitive transaction agreement within 120 days following receipt of a qualifying offer, with certain exceptions.

On January 30, 2018, we also entered into a Contract Brewing Agreement with Anheuser-Busch Companies, LLC (“ABC”), another A-B affiliate, pursuant to which we agreed to brew, package, and palletize certain malt beverage products of A-B's craft breweries at our Portland, Oregon, and Portsmouth, New Hampshire breweries, as selected by ABC. Under the terms of this agreement, ABC pays us a per barrel fee that varies based on the annual volume of the specified product brewed by us, plus (a) our actual incremental costs of brewing the product, and (b) certain capital costs and costs of graphics and labeling that we incur in connection with the brewed products. The agreement, as extended, will expire on December 31, 2019, unless further extended by mutual agreement. The agreement also contains specified termination rights, including, among other things, the right of either party to terminate it if (i) the other party fails to perform any material obligation under the agreement or any other agreement between the parties, subject to certain cure rights, or (ii) the A-B Distributor Agreement is terminated.

Exchange Agreement

We have also entered into an Amended and Restated Exchange and Recapitalization Agreement (the “Exchange Agreement”) with A-B, pursuant to which we have granted A-B certain contractual rights. The Exchange Agreement originally was entered into in 2004 as part of a recapitalization in which we redeemed preferred shares held by A-B in exchange for cash and the shares of our common stock currently held by A-B. A-B owned 6,069,047, or approximately 31.3%, of our outstanding shares of common stock at December 31, 2018.

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The Exchange Agreement entitles A-B to designate two members of our board of directors. A-B also generally has the right to have a designee on each committee of the board of directors, except where prohibited by law or stock exchange requirements, or with respect to a committee formed to evaluate transactions or proposed transactions between A-B and us. The Exchange Agreement contains limitations on our ability to take certain actions without A-B's prior consent, including, but not limited to, our ability to issue equity securities or acquire or sell assets or stock, amend our Articles of Incorporation or Bylaws, grant board representation rights, enter into certain transactions with affiliates, distribute our products in the United States other than through A-B or as provided in the A-B Distributor Agreement, or voluntarily terminate our listing on the Nasdaq Stock Market.

On August 23, 2016, we entered into an amendment to the Exchange Agreement with A-B providing it with rights, following a "change of control event" or a "qualifying offer," similar to those described above under "Amendment to A-B Distributor Agreement."

Fees

We pay fees to A-B in connection with the sale of our products, including margin fees, invoicing, staging and cooperage handling fees, and inventory manager fees. In addition, our contract brewing arrangements call for the payment of fees to the respective brewing partner, and A-B pays us distribution costs and fees and royalty fees under the International Distribution Agreement.

See Note 19 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this report for additional information.

Seasonality

Our sales generally reflect a degree of seasonality, with the first and fourth quarters historically exhibiting low sales levels compared to the second and third quarters. Accordingly, our results for any particular quarter are not likely to be indicative of the results to be achieved for the full year.

Competition

We compete in the craft brewing market, as well as in the much larger alcoholic beverage market, which encompasses domestic and imported beers, flavored alcohol beverages, spirits, wine and ciders. Increasingly, we are also monitoring the impact of marijuana as more states pass legalization.

In 2018, the craft brewing industry continued to experience unprecedented change and competition, characterized by three trends: 1) the growing number and popularity of new local craft breweries that captured market share from established craft breweries; 2) continued acquisition and investment activity between craft brewers, large domestic and foreign brewers, and private equity firms; and 3) continued competitive pressure from international brewers, such as Crown, which target both domestic and craft beer drinkers. In 2018, according to industry sources, A-B and MillerCoors accounted for almost 80% of total beer shipped in the U.S., excluding imports. In addition, A-B and MillerCoors continued to invest in smaller craft breweries and nurtured separate craft-focused divisions in an effort to capitalize on the growing craft beer segment and consumer demand for locally produced products.

Competition varies by regional market. Depending on the local market preferences and distribution, we have encountered strong competition from microbreweries, regional specialty brewers and several national craft brewers that include MillerCoors' Tenth and Blake Beer Company division ("Tenth and Blake"), Constellation Brands, and A-B's craft division. A-B's craft division includes Goose Island, Blue Point Brewing, 10 Barrel Brewing Company, Elysian, Golden Road, Shock Top, Karbach Brewing, Devil's Backbone and others. Because of the large number of participants and offerings in this segment, along with the accelerating consumer preference for local offerings, the

competition for packaged product placements and especially draft beer placements has intensified. Although certain of these competitors distribute their products nationally and may have greater financial and other resources than we have, we believe that we possess certain competitive advantages. Our unique portfolio strategy combines strong national lifestyle brands with distinctive regional craft brands, supported by the scale and specialization of our production breweries, strategically distributed sales and marketing resources, and alignment within the A-B distribution network.

We also compete against imported brands, such as Heineken, Stella Artois, Corona Extra and Guinness, which typically have significantly greater financial resources than we have. Although imported beers currently account for a greater share of the U.S. beer market than craft beers, we believe that craft brewers possess certain competitive advantages over some importers, including lower transportation costs, no importation costs, proximity to and familiarity with local consumers, a higher degree of product freshness, eligibility for lower federal excise taxes and absence of exposure to currency fluctuations.

In response to the growth of the craft beer segment, the major domestic national brewers have invested in purchasing small craft breweries. The major national brewers, including Tenth and Blake through MillerCoors, and A-B craft brands through A-B, have

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significantly greater financial resources than we do and have access to a greater array of advertising and marketing tools to create product awareness of their offerings.

In the past several years, several major distilled spirits producers and national brewers have introduced flavored alcohol beverages. Products such as hard seltzers, Smirnoff Ice, the hard soda category, and Mike's Hard Lemonade have captured sizable market share in the higher-priced end of the malt beverage industry. We believe sales of these products, along with strong growth in the import and craft beer segments of the malt beverage industry, contributed to an increase in the overall U.S. alcohol market. These products are particularly popular in certain regions and markets in which we sell our products.

Competition for consumers of craft beers also comes from wine and spirits, which reflects today's millennial consumers who typically drink across three alcoholic beverage categories in a single drinking occasion. Growth in this segment appears to be attributable to competitive pricing, targeted advertising, increased merchandising and greater consumer interest in local wine and craft spirits. Recently, the wine industry has been aided, on a limited basis, by its ability to sell outside of the three-tier system, allowing sales to be made directly to consumers. While the craft beer segment competes with wine and spirits, it also benefits from many of the same advantages enjoyed by wine and spirit producers, including consumers who allow themselves affordable luxuries in the form of high quality alcoholic beverages.

A significant portion of our sales continues to be in the Pacific Northwest and in California, which we believe are among the most competitive craft beer markets in the U.S., both in terms of number of participants and consumer awareness. We believe that these areas offer significant competition for our products, not only from other craft brewers but also from the growing wine market and from flavored alcohol beverages. Additionally, we are monitoring the impact of cannabis as more states legalize marijuana for retail sales. Our recent marketing efforts have been focused on promoting the national relevance of Kona as a leading lifestyle brand, the authenticity of our pioneering owned brands and the creativity of our partner brands, along with better segmenting our marketing strategies to communicate the attributes of our portfolio to our target consumers. We believe that our broad array of beers and brands enables us to offer an assortment of flavors and experiences that appeal to more people.

Segment and Enterprise-Wide Information

See Note 13 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this report for the required segment and enterprise-wide information.

Regulation

Our business is highly regulated at federal, state and local levels. Various permits, licenses and approvals necessary for our brewery, wineries and pub operations and the sale of alcoholic beverages are required from a number of agencies, including the U.S. Treasury Department, the Alcohol and Tobacco Tax and Trade Bureau ("TTB"), the U.S. Department of Agriculture, the FDA, state alcohol regulatory agencies, and state and local health, sanitation, safety, fire and environmental agencies. In addition, the beer industry is subject to substantial federal and state excise taxes.

The FDA issued a proposed rule in November 2015 on the use of "gluten-free" labeling for fermented and hydrolyzed foods and beverages that may affect our ability to market our Omission Beer as "crafted to reduce gluten." The proposed rule was under review by the Office of Management and Budget and was expected to become final in late 2018 but no final rule was ever issued. It appears the adoption will continue to be delayed under the current administration's executive order to reduce and freeze new regulations. See Item 1A. Risk Factors for additional information.

We operate our breweries, and wineries to produce hard cider, under federal licensing requirements imposed by the TTB. The TTB requires the filing of a “Brewer’s Notice” upon the establishment of a commercial brewery and the filing of an amended Brewer’s Notice whenever there is a material change in the brewing or warehousing locations, brewing or packaging equipment, brewery ownership, or officers or directors. The TTB requires us to obtain a winery permit and registration for each facility we produce hard cider. Our operations are subject to audit and inspection by the TTB at any time.

Management believes that we have all the licenses, permits and approvals required for our current operations. Existing permits or licenses could be revoked if we fail to comply with the terms of such permits or licenses and additional permits or licenses may be required in the future for our current operations or because of expanding our operations.

Beginning January 1, 2018, the federal excise taxes imposed on domestic brewers, such as us, that produce less than 2 million barrels annually, were reduced from \$7.00 to \$3.50 per barrel on the first 60,000 barrels shipped annually and from \$18.00 to \$16.00 per barrel on the first 6 million barrels shipped annually for all other brewers and all beer importers. Barrels shipped in excess of 6 million barrels in a given year continue to be subject to a federal excise tax of \$18 per barrel on beer sold for consumption

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in the United States. Certain states also levy excise taxes on alcoholic beverages but are usually paid by the wholesaler. Also, while the existing excise tax on hard cider did not change from \$0.226 per gallon, the small producer tax credit for hard cider was expanded to \$0.062 on the first 30,000 gallons for an effective rate of \$0.164 per gallon; the tax credit on the next 100,000 gallons produced became \$0.056 for an effective rate of \$0.17 per gallon; and producers like us who produce between 130,000 and 750,000 gallons of hard cider annually receive a \$0.033 credit for an effective tax rate of \$0.193 per gallon. We pay excise taxes in states where we produce (Hawaii, Oregon, Washington, New Hampshire, North Carolina and Florida).

Although the reductions in federal excise taxes described above are set to expire at the end of 2019, the Beer Institute, of which we are a member, and other industry groups support making federal excise tax relief for all brewers and beer importers permanent. Excise taxes may be increased in the future by the federal government or any state government or both. In the past, increases in excise taxes on alcoholic beverages have been considered in connection with various governmental budget-balancing or funding proposals.

Federal and State Environmental Regulation

Our brewing operations are subject to environmental regulations and local permitting requirements and agreements regarding, among other things, air emissions, water discharges and the handling and disposal of hazardous wastes. While we have no reason to believe the operation of our breweries violates any such regulation or requirement, if such a violation were to occur, or if environmental regulations were to become more stringent in the future, we could be adversely affected.

Dram Shop Laws

The serving of alcoholic beverages to a person known to be intoxicated may, under certain circumstances, result in the server being held liable to third parties for injuries caused by the intoxicated customer. Our restaurants and brewpubs have addressed this issue by maintaining reasonable hours of operation and routinely performing training for personnel.

Trademarks

We have obtained U.S. trademark registrations for numerous products. Trademark registrations generally include brand names and logos and specific product names. The Kona Brewing Co., Widmer Brothers Brewing, Redhook, and Omission marks and certain other marks are also registered in various foreign countries. We regard our Kona, Widmer Brothers, Redhook, Omission, Square Mile, Cisco, AMB, Wynwood and other trademarks as having substantial value and as being an important factor in the marketing of our products. We also have several similar international trademarks. We are not aware of any infringing uses that could materially affect our current business or any prior claim to the trademarks that would prevent us from using such trademarks in our business. Our policy is to pursue registration of our material trademarks in our markets whenever possible and to oppose vigorously any infringement of our trademarks.

Employees

At December 31, 2018, we employed approximately 665 people, including 310 employees in the brewpubs and retail stores, 150 employees in production, 131 employees in sales and marketing and 74 employees in corporate and administration. Included in the totals above are 187 part-time employees and 2 seasonal or temporary employees. None of our employees are represented by a union or employed under a collective bargaining agreement. We believe our relations with our employees to be good.

Available Information

Our Internet address is www.craftbrew.com. There we make available, free of charge, our annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, proxy statements and any amendments to those reports, as soon as reasonably practicable after we electronically file such material with the Securities and Exchange Commission ("SEC"). Our SEC reports can be accessed through the investor relations section of our website. The other information posted on our website is not part of this or any other report we file with or furnish to the SEC.

Item 1A. Risk Factors

If we are unable to gauge trends and react to changing consumer preferences in a timely and cost-effective manner, our sales and market share may decrease and our gross margin may be adversely affected.

The costs and management attention involved in maintaining an innovative brand portfolio have been, and are expected to continue to be, significant. If we have not gauged consumer preferences correctly, or are unable to maintain consistently high quality beers as we develop new brands, our overall brand image may be damaged. If this were to occur, our future sales, results of operations and cash flows would be adversely affected. Also, increased costs associated with developing new products may have a negative effect on our gross margin.

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We rely on the reputation of our brands.

Our success depends on our ability to maintain and enhance the image and reputation of our existing products and to develop a favorable image and reputation for new products. The image and reputation of our products may be reduced in the future and concerns about product quality, even when unfounded, could tarnish the image and reputation of our products. An event, or series of events, that materially damages the reputation of one or more of our brands could have an adverse effect on the value of that brand and subsequent revenues from that brand or business. Restoring the image and reputation of our products may be costly and may not be possible.

Increased competition could adversely affect sales and results of operations.

We compete in the highly competitive craft beer market, as well as in the much larger specialty beer category, which includes the imported beer segment and fuller-flavored beers offered by major brewers. We face increasing competition from producers of wine, spirits and flavored alcohol beverages offered by the larger brewers and spirit producers. We are also monitoring the impact of cannabis as more states legalize marijuana for retail sale. Increased competition could adversely affect our future sales and results of operations. See "Competition" in Part I, Item 1 of this report.

Our business is sensitive to reductions in discretionary consumer spending.

Consumer demand for luxury or perceived luxury goods, including craft beer, can be sensitive to downturns in the economy and the corresponding impact on discretionary spending. Changes in discretionary consumer spending or consumer preferences brought about by factors such as perceived or actual general economic conditions, job losses and unemployment or underemployment, perceived or actual declines in disposable consumer income and wealth, and changes in consumer confidence in the economy, could significantly reduce customer demand for craft beer in general, and the products we offer specifically. Furthermore, our consumers may choose to replace our products with the fuller-flavored national brands or other more affordable, although lower quality, alternatives available in the market. Any such decline in consumption of our products would likely have a significant negative impact on our operating results.

Changes in consumer preferences or public attitudes about alcohol could decrease demand for our products.

If consumers become unwilling to accept our products or if general consumer trends lead to a decrease in the demand for beer, including craft beer, our sales and results of operations would be adversely affected. There is no assurance that the craft brewing segment will experience growth in future periods. If the markets for wine, spirits or flavored alcohol beverages continue to grow, this could draw consumers away from the beer industry in general and our products specifically. Further, the alcoholic beverage industry has become the subject of considerable societal and political attention in recent years due to increasing public concern over alcohol-related social problems, including drunk driving, underage drinking and health consequences from the misuse of alcohol. In reaction to these concerns, steps may be taken to restrict advertising by beer producers, to impose additional cautionary labeling or packaging requirements, or to increase excise or other taxes on beer. Any such developments may have a significant adverse impact on our financial condition, operating results and cash flows.

The Food and Drug Administration ("FDA") issued a proposed rule in November 2015 on the use of "gluten-free" labeling for fermented and hydrolyzed foods and beverages that may affect our ability to market our Omission Beer.

CBA launched Omission beer in May 2012 as the first brand of craft beer to be brewed in the United States using conventional beer ingredients (including malted barley, a gluten-containing grain) and "crafted to remove gluten." Omission beers are brewed similarly to other craft beers except that, at the point of fermentation, a brewing enzyme called Brewers Clarex™ is added which breaks apart the gluten protein chains. Samples from each batch are tested internally using the R5 Competitive ELISA method for gluten content before packaging. The beers are then packaged into bottles in a closed packaging environment to eliminate any chance of cross contamination. Packaged samples are also sent to an independent third party lab for testing before the lot is released from the brewery. We post all test

results on our website for consumers to view before they decide to purchase the beer.

Omission beers are subject to regulation by the Department of Treasury's Alcohol and Tobacco Tax and Trade Bureau ("TTB"), but as a result of overlapping jurisdictions of the FDA and TTB, the role each agency plays in the regulation of fermented alcohol beverages, and the commitments the two agencies have made to work together to establish consistent gluten labeling policies for comparable alcohol beverage products, the above referenced FDA notice of proposed rulemaking has far-reaching implications for fermented alcohol beverages, like Omission Beer, that are subject to regulation by both the FDA and TTB. In accordance with the TTB's premarket approval requirements, the TTB approved Omission labeling, including its gluten-related claims, as per their policy concerning gluten content statements in the labeling and advertising of malt beverages.

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If the FDA's proposed rule becomes final as written, the TTB's policy may be superseded, which would have a significant impact on our ability to market and sell our Omission beers as "crafted to remove gluten" and negatively impact our operating results. The proposed rule was under review by the Office of Management and Budget in 2017 and was expected to become final in late 2018. It appears adoption of a final rule will continue to be delayed under the current administration's executive order to reduce and freeze new regulations.

We may identify material weaknesses in our internal control over financial reporting in the future, which, if not remediated, could result in material misstatements in our financial statements.

Our management is responsible for establishing and maintaining adequate internal control over our financial reporting, as defined in Rule 13a-15(f) under the Securities Exchange Act of 1934. Management identified a material weakness in our internal control over financial reporting related to accounting for complex revenue transactions for the year ended December 31, 2016, which was subsequently remediated in 2017. However, additional material weaknesses in our internal control environment may be identified in the future, which could result in material misstatements in our financial statements and a loss of investor confidence in the integrity of our financial reporting and other public disclosures, potentially triggering increased sales of our common stock and downward pressure on our stock price.

Product safety and quality concerns may have a material adverse effect on our business.

Our success depends in large part on our ability to maintain consumer confidence in the safety and quality of our products. We have rigorous product safety and quality standards which we expect our breweries and our brewing partners to meet. We take precautions to ensure that our beverage products and our associated packaging materials, such as bottles, crowns, cans and other containers, meet accepted food safety and regulatory standards. We cannot assure, however, that, despite our strong commitment to product safety and quality, we will always meet these standards. If our products fail to satisfy applicable product safety and quality standards or are found to be contaminated or adulterated, we may be required to conduct costly product recalls and may become subject to product liability claims and negative publicity, which could cause our reputation and business to suffer.

We have a continuing relationship with Anheuser-Busch, LLC and the current distribution network that would be difficult to replace.

Most of our products are sold and distributed through A-B's distribution network. If the A-B Distributor Agreement were terminated, we would be faced with a number of operational tasks, including establishing and maintaining direct contracts with the existing wholesaler network or negotiating agreements with replacement wholesalers on an individual basis, and enhancing our credit evaluation, billing and accounts receivable processes. Such an undertaking would require significant effort and substantial time to complete, during which the distribution of our products could be impaired.

We are dependent on our wholesalers for the sale of our products.

Although substantially all of our products are sold and distributed through A-B, we continue to rely heavily on wholesalers, many of which are independent, for the sale of our products to retailers. Independent wholesalers make their own business decisions that may not align with our interests and there is no assurance that the sales efforts of distributors will be effective in generating sales of our products.

Any disruption in the ability of the wholesalers, A-B, or us to distribute products efficiently due to any significant operational problems, such as widespread labor union strikes or the loss of a major wholesaler as a customer, could hinder our ability to get our products to retailers and could have a material adverse impact on our sales, results of operations and cash flows. A-B has been purchasing distributors in states where it is legally permissible, which could impact our distribution if the A-B relationship were to end. During 2018, 34% of our shipments were through A-B owned distributors.

Our investments in our sales and marketing infrastructure may negatively affect our financial results without increasing sales.

We intend to continue to reinvest cost savings in selling, general and administrative expenses in our sales and marketing infrastructure, including increased spending to support our Kona brand. Also, beginning January 1, 2019, the terms of the A-B Distributor Agreement require that we reinvest an additional \$0.25 per case-equivalent in our sales and marketing efforts for our products. While we seek to design effective advertising and promotions to support our brands, these efforts may not lead to enhanced brand equity or higher sales in the long term.

Our agreements with A-B may limit our ability to engage in certain activities and investments.

The Exchange Agreement requires us to obtain A-B's consent prior to undertaking certain activities and investments. For example, we must obtain A-B's consent before acquiring another brewer if the purchase price exceeds \$30 million or purchasing a non-brewing entity if the purchase price exceeds \$2 million. If A-B opposes strategic or financial investments proposed by our management, A-B may decline to give its consent to activities or investments that our management believes are in the best interest of our shareholders.

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A-B has an influential voice in decisions of the board of directors and shareholders.

A-B owns 31.3% of our outstanding common stock, making A-B our largest shareholder. In addition, under the Exchange Agreement, A-B may designate two nominees to our board of directors. These directors also participate on our audit, compensation, and nominating and governance committees as non-voting observers, and one of these directors participates on our strategic planning committee as a voting member. As a result, A-B has an influential voice in deliberations of the board of directors and shareholders. A-B and its affiliates also have the right to terminate our contract brewing arrangements and to rescind certain amendments to our other contracts with them upon the occurrence of certain events. See “Relationship with Anheuser-Busch, LLC” in Item 1. Business above for additional information.

Expansion of our Kona brewery may be subject to various risks, including cost overruns, construction delays, and inability to fully utilize additional production capacity, which may adversely affect our financial condition and results of operations.

During 2015, we held a ground-breaking ceremony on the site of a new, state-of-the-art brewing facility in Kailua-Kona, Hawaii, with an annual production capacity of 100,000 barrels at a total estimated cost of approximately \$20 million. As with all projects of this magnitude, there is the risk of significant cost overruns, which could require us to increase our borrowing under our revolving credit facility or to find additional financing. We may also experience unforeseen construction delays, which could result in our inability to bring the new Kona brewery into production as scheduled, adversely affecting our results of operations and financial condition. In addition, if we do not achieve sufficient growth in product sales to absorb the increased production capacity, we may be unable to realize our goals for gross margin improvement, which would have a negative impact on our results of operations and return on investment.

We expect to continue to make strategic investments in improvements aimed at increasing the efficiency, capabilities and capacity of our breweries, improving our ordering and logistics systems, and enhancing the customer experience at our brewpubs. Failure to realize the anticipated benefits and generate adequate returns on such capital improvement projects may have a material adverse effect on our results of operations and cash flows.

Unavailability of production at our brewing partner may adversely affect our capacity and disrupt our ability to satisfy demand for our products.

In 2016, we entered into a contract brewing agreement with ABCS and, once fully optimized, anticipate producing up to 300,000 barrels of our beer at this facility annually. If production at this facility should be disrupted due to unforeseen circumstances, our ability to produce and ship sufficient quantities of our beer to meet demand in certain key geographic markets, particularly Texas and the southeastern United States, could be significantly impaired, resulting in decreased sales and a negative impact on our wholesaler relationships in those markets.

Operating breweries at production levels substantially below their current designed capacities could negatively impact our financial results.

As of December 31, 2018, the annual working capacity of our breweries was approximately 855,000 barrels. Due to many factors, including seasonality and production schedules of various draft products and bottled products and packages, actual production capacity will rarely, if ever, approach full working capacity. We believe that capacity utilization of the breweries will fluctuate throughout the year, and even though we expect that capacity of our breweries will be efficiently utilized during periods when our sales are strongest, there likely will be periods when the capacity utilization will be lower. If we experience contraction in our sales and brewing volumes, the resulting excess capacity and unabsorbed overhead will have an adverse effect on our gross margins, operating cash flows and overall financial performance. We periodically evaluate whether we expect to recover the costs of our production breweries over the course of their useful lives. If facts and circumstances indicate that the carrying value of these long-lived assets may be impaired, an evaluation of recoverability will be performed by comparing the carrying value of the assets to projected future undiscounted cash flows along with other quantitative and qualitative analyses. If we

determine that the carrying value of such assets does not appear to be recoverable, we will recognize an impairment loss by a charge against current operations, which could have a material adverse effect on our results of operations.

Our sales are concentrated in the Pacific Northwest, California and Hawaii.

Our sales in 2018 were concentrated in Washington, Oregon, California and Hawaii and, consequently, our future sales may be adversely affected by changes in economic and business conditions within these states. We also believe the Pacific Northwest and California are among the most competitive craft beer markets in the United States, both in terms of number of market participants and consumer awareness. The Pacific Northwest and California offer significant competition to our products, not only from other craft brewers, but also from the major domestic brewers, wine producers and flavored alcohol beverages.

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We are dependent upon the continued service of our senior management and other key personnel. Our future success is dependent on the continued service of our senior management and other key employees, particularly Andrew Thomas, our Chief Executive Officer. The loss of the services of our senior management and other key employees could have a material adverse effect on our operations. Additionally, the loss of Andrew Thomas as our Chief Executive Officer, and the failure to find a replacement satisfactory to A-B, would be a termination event under the A-B Distributor Agreement.

We also may be unable to retain existing management, sales, marketing, operational and other support personnel critical to our success, which could result in harm to significant customer relationships, loss of key information, expertise or know-how, and unanticipated recruiting and training costs.

Our gross margin may fluctuate.

Future gross margin may fluctuate and even decline as a result of many factors, including: product pricing levels; sales mix between draft and packaged product sales and within the various packaged products, including bottles and cans; level of fixed and semi-variable operating costs; level of production at our breweries in relation to current production capacity; availability and prices of raw materials, production inputs such as energy, and packaging materials; rates charged for freight; and federal and state excise taxes. The high percentage of fixed and semi-variable operating costs causes our gross margin to be particularly sensitive to relatively small changes in sales volume or price increases in the various components of our production and distribution.

We may be subject to litigation that could adversely affect our business and results of operations.

We may be subject to various types of litigation, including fair trade practice, product liability, and employment-related claims. Such litigation may be time consuming, distracting and costly, and could have a material adverse effect on our business and results of operations. See Note 18, "Commitments and Contingencies," in the Notes to Consolidated Financial Statements found in Part II, Item 8 of this report, for additional information related to legal proceedings.

We are dependent on certain suppliers for key raw materials, packaging materials and production inputs.

Although we seek to maintain back-up and alternative suppliers for all key raw materials and production inputs, we are reliant on certain third parties for key raw materials, packaging materials and utilities. Any disruption in the willingness or ability of these third parties to supply these critical components could hinder our ability to continue production of our products, which could have a material adverse impact on our financial condition, results of operations and cash flows.

Our ability to obtain key ingredients for our products, including hops and malt, is dependent on a number of factors, including competition from other brewers, weather, and the decisions of growers regarding which crops to grow.

We purchase most of our raw materials from U.S. brokers, many of which rely on foreign sources, particularly for malt. As a result, prices for these ingredients may be affected by foreign currency fluctuations. Also, as consumer preference for innovative craft beer products increases, the demand for new hop varieties has grown, and many breweries enter into multi-year contracts with growers.

There is a growing concern that carbon dioxide and other greenhouse gases in the atmosphere may have an adverse affect on global temperatures, weather and precipitation patterns and the frequency and severity of extreme weather and natural disasters. In the event that such climate change has a negative effect on agricultural productivity, we may be subject to decreased availability or less favorable pricing for certain agricultural commodities necessary for our products, such as barley, hops, sugar and corn. Climate change may also subject us to water scarcity and quality risks due to large amounts of water required to produce our products, including water consumed in the agricultural supply chain. In the event that climate change causes water over-exploitation or has a negative effect on water availability or quality, the price of water may increase and may result in unfavorable changes to applicable water-related taxes and

regulations, which could lead to increased regulatory pressures, production costs or capacity constraints. In addition, public expectations for reductions in greenhouse gas emissions could result in increased energy, transportation and raw material costs and may require us to make investments in facilities and equipment due to increased regulatory pressures.

There is no assurance that we will be able to obtain certain of our ingredients in a timely fashion to meet consumer demand, and our gross margin may be adversely affected if we are required to pay higher prices to obtain needed ingredients that are in high demand. Such factors may also result in lower sales of our products, which would have a negative effect on our financial results.

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We may experience higher packaging costs and shipping costs, which could adversely affect our financial results. Many of our packaging materials, particularly glass, are obtained from a single source. Although we believe alternative suppliers of packaging materials, including bottles, cans, carriers and labels, are available, a number of factors, including consolidation in the packaging industry and competition from other manufacturers in need of packaging materials, may result in supply shortages or higher prices, which could adversely affect our financial results. We have also seen recent increases in shipping costs for our products. While we are seeking to manage those costs through more efficient management of brewery operations and logistics, we may not be successful. We also may not be able to pass along increased costs through higher prices for our products, or even maintain our current pricing levels, with a corresponding negative impact on our financial results.

Higher health care costs may have an adverse effect on our operating results.

We are self-insured with respect to health care expenses for our employees. From time to time, we experienced higher than average medical expense claims with a corresponding adverse effect on our Selling, general and administrative expenses. If we experience higher costs in the future, our operating results may be negatively affected.

A failure in any of our supply chain processes could harm our ability to effectively operate our business.

Our results are highly dependent on our ability to accurately forecast and execute throughout the entire supply chain, including sales forecasting, raw material ordering, brewing and distribution. The combination of our recent growth and increased brand complexity has increased the operating complexity of our business. We cannot guarantee that we will effectively manage such complexity without experiencing planning failures, operating inefficiencies, or other issues that could have an adverse effect on our business.

We engage in electronic communications between third parties, including A-B and our wholesalers, as part of our supply chain processes. Any interruptions or errors in our electronic interfaces may negatively affect our operating activities.

Our information systems may experience an interruption or breach in security.

We rely on computer information systems to conduct our business. We have policies and procedures in place to protect against and reduce the occurrence of failures, interruptions, or breaches of security of these systems. However, there can be no assurances that these policies and procedures will eliminate the occurrence of failures, interruptions or breaches of security or that they will adequately restore our systems or minimize any such events. The occurrence of a failure, interruption or breach of security of our computer information systems could result in loss of intellectual property, delays in our production, loss of critical information, or other events, any of which could harm our future sales or operating results.

We manage and store various proprietary information and sensitive or confidential data relating to our business, including sensitive and personally identifiable information. Breaches of our security measures or the accidental loss, inadvertent disclosure or unapproved dissemination of proprietary information or sensitive or confidential data about us, our employees, or our customers, including the potential loss or disclosure of such information or data as a result of hacking, fraud, trickery or other forms of deception, could expose us, our customers or the individuals affected to a risk of loss or misuse of this information. Any such breach, loss, or disclosure could result in litigation and potential liability for us, damage our brand image and reputation, or otherwise harm our business. In addition, our current data protection measures might not protect us against increasingly sophisticated and aggressive threats, while the cost and operational consequences of implementing further data protection measures could be significant.

An increase in excise taxes could adversely affect our financial condition and results of operations.

The U.S. federal government currently levies an excise tax of \$18.00 per barrel on beer sold for consumption in the United States. However, brewers, such as us, that produce less than two million barrels annually, are now taxed at \$3.50 per barrel on the first 60,000 barrels shipped, with the remainder of the shipments taxed at \$16.00 per barrel,

due to the passage of the Tax Cuts and Jobs Act in December 2017. If the tax cut is not permanently extended, this new rate is scheduled to return to \$7.00 per barrel for the first 60,000 barrels and \$18.00 per barrel up to two million barrels annually in 2020. The individual states in which we operate also impose excise taxes on beer and other alcohol beverages in varying amounts. Federal and state legislators routinely consider various proposals to impose additional excise taxes on the production of alcoholic beverages, including beer. Any such increases in excise taxes, if enacted, or the failure of the current federal excise tax rates to be extended permanently, would adversely affect our financial condition, results of operations, and cash flows.

We are subject to tax liabilities imposed by the jurisdictions where we operate.

Tax liabilities may vary significantly and are subject to change. Among others, these taxes include income taxes, property taxes, indirect taxes (excise, sales, use and gross receipts taxes), payroll taxes, and withholding taxes. We may not be able to pass these tax costs on to consumers and remain competitive. New tax laws and regulations and changes to existing tax laws and regulations could materially and adversely affect our financial results.

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We are subject to governmental regulations affecting our breweries and brewpubs.

Our business is highly regulated by federal, state, and local laws and regulations. These laws and regulations govern all aspects of the production and distribution of beer, including permitting, licensing, trade practices, labeling, advertising and marketing, distributor relationships and various other matters. A variety of federal, state and local governmental authorities also levy various taxes, license fees and other similar charges and may require bonds to ensure compliance with applicable laws and regulations. Noncompliance with such laws and regulations may cause the TTB or any particular state or jurisdiction to revoke its license or permit, restricting our ability to conduct business, or result in the imposition of significant fines or penalties. One or more regulatory authorities could determine that we have not complied with applicable licensing or permitting regulations or have not maintained the approvals necessary for us to conduct business within our jurisdiction. If licenses, permits or approvals necessary for our brewery or pub operations were unavailable or unduly delayed, or if any permits or licenses that we hold were to be revoked, or additional permits or licenses were required in the future, including as a result of expanding our operations, our ability to conduct business may be disrupted, which would have a material adverse effect on our financial condition, results of operations and cash flows.

Government shutdowns may adversely affect our ability to timely launch new products.

When the U.S. Congress does not pass, or the President does not sign, budget legislation that establishes discretionary spending levels by the start of the U.S. government's fiscal year, funding to certain agencies lapses and non-essential operations cease until the funding is restored. This may affect agencies under the Department of Health and Human Services and Department of the Treasury. Between December 21, 2018 and January 24, 2019, the country experienced the longest government shutdown in U.S. history. Because TTB operations were halted, over 50 of our label and formula applications in need of approval sat idle. The cessation in TTB operations forced us to delay or alter the launch of several new products, resulting in operational, sales and marketing disruptions. The continuation or reoccurrence of such shutdowns in the future may have a material adverse effect on our financial condition and results of operations and may force us to alter our plans for product rollouts and marketing campaigns.

The craft beer business is seasonal in nature, and we are likely to experience fluctuations in results of operations. Sales of craft beer products are somewhat seasonal, with the first and fourth quarters historically being lower and the rest of the year generating stronger sales. Our sales volume may also be affected by weather conditions and selling days within a particular period. Therefore, the results for any given quarter will likely not be indicative of the results that may be achieved for the full fiscal year. If an adverse event such as a regional economic downturn or poor weather conditions should occur during the second and third quarters, the adverse impact to our revenues would likely be greater as a result of the seasonality of our business.

We may be unable to access public or private debt markets to fund our operations and contractual commitments at competitive rates, on commercially reasonable terms, or in sufficient amounts, if at all.

We depend, in part, on our revolving line of credit with Bank of America, N.A. ("BoFA"), to fund our operations and commitments for capital expenditures. This credit line expires on September 30, 2023. Our capital expenditures in 2019 are expected to range from \$15 million to \$19 million. A number of factors could cause us to incur increased borrowing costs and to have greater difficulty accessing public and private markets for debt. These factors include general economic conditions, disruptions or declines in the global capital markets, our financial performance or outlook, and credit. An adverse change in any or all of these factors may materially adversely affect our ability to fund our operations and contractual or financing commitments.

If our business does not perform as expected, including if we generate less revenue than anticipated from our operations or encounter significant unexpected costs, we may fail to comply with the financial covenants under our credit facilities. If we do not comply with our financial covenants and we do not obtain a waiver or amendment, BoFA may elect to cause all amounts owed to become immediately due and payable. Any default may require us to seek additional capital or modifications to our credit facilities, which may not be available or which may be costly. Any of

these risks and uncertainties could have a material adverse effect on our business, financial condition, results of operations, and cash flows.

We entered into strategic relationships with certain regional brewers that increased the complexity and execution risks of our operations.

As discussed in more detail in Item 1. Business in this report, we recently acquired the remaining equity in Wynwood Brewing Co. in Miami, Florida, and certain assets of Appalachian Mountain Brewery in North Carolina and Cisco Brewers in Massachusetts. These acquisitions have increased the complexity of our operations, including brewing, packaging, marketing and selling their brands and managing employees in additional geographic locations, with increased demands on our management team. There can be no assurance that we will be able to successfully integrate these strategic acquisitions without experiencing unexpected costs, operating challenges or control deficiencies.

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Acquisitions subject us to various risks, including risks relating to selection and pricing of acquisition targets, integration of acquired companies into our business and assumption of unanticipated liabilities.

We may continue to pursue acquisitions or joint venture or investment opportunities in the future. We cannot assure that we will be able to identify or take advantage of such opportunities. If we do pursue such transactions, we may not realize the anticipated benefits. Acquisitions and similar transactions, both those completed recently and those that may occur in the future, involve many risks, including risks relating to the assumption of unforeseen liabilities of an acquired business, adverse accounting charges resulting from the acquisition, and difficulties in integrating acquired companies into our business, both from a cultural perspective, as well as with respect to technological integration. Our inability to successfully integrate acquired businesses or manage joint ventures may lead to increased costs, failure to generate expected returns, or even a total loss of amounts invested, any of which could have a material adverse effect on our financial condition and results of operations.

Changes in state laws regarding distribution arrangements may adversely impact our operations.

States in which we have a significant sales presence may enact legislation that significantly alters the competitive environment for the beer distribution industry. Any change in the competitive environment in those states could have an adverse effect on our future sales and results of operations and may impact the financial stability of wholesalers on which we rely.

Any change in, or violation of, federal and state environmental regulations could adversely affect our operations. Our brewing operations are subject to environmental regulations and local permitting requirements and agreements regarding, among other things, air emissions, water discharges and the handling and disposal of hazardous wastes. While we have no reason to believe the operation of our breweries violates any such regulation or requirement, if such a violation were to occur, or if environmental regulations were to become more stringent in the future, we may be adversely affected.

A small number of shareholders hold a significant ownership percentage of our common stock and uncertainty over their continuing ownership plans could cause the market price of our common stock to decline.

As noted above, A-B has a significant ownership stake in us. In addition, three of our founders, together, beneficially own approximately 2.0 million shares, or 10.3%, of our common stock. Collectively, these two groups own 41.6% of our equity. All of these shares are available for sale in the public market, subject to volume, manner of sale and other requirements under the Securities Act of 1933. Such sales in the public market, or the perception that such sales may occur, could cause the market price of our common stock to decline.

We do not intend to pay and are limited in our ability to declare or pay dividends; accordingly, shareholders must rely on stock appreciation for any return on their investment in us.

We do not anticipate paying cash dividends. Further, under our loan agreement with BofA, we are not permitted to declare or pay a dividend unless we meet certain financial covenants. As a result, only appreciation of the price of our common stock will provide a return to shareholders. Investors seeking cash dividends should not invest in our common stock.

The fair value of our intangible assets, including goodwill, may become impaired.

As a result of recent acquisitions, including the acquisition of Kona Brewing Company in 2010, as of December 31, 2018, we had goodwill of \$22.0 million and other various intangible assets, net, of \$47.2 million on our Consolidated Balance Sheets, which, combined, represented nearly 29.3% of our total assets. If any circumstances were to occur, such as economic recession or other factors causing a reduction in consumer demand, or for any other reason we were to experience a significant decrease in sales growth, with a corresponding negative impact on our estimated cash flows associated with these assets, our analyses of these assets may conclude that a decrease in the fair value of these assets has occurred. In that event, we would be required to recognize a potentially significant loss on impairment of these

assets. Any such impairment loss would be charged against current operations in the period of change and potentially have a material adverse effect on our results of operations.

We may not be able to protect our intellectual property rights.

Our future success depends significantly on our ability to protect our current and future brands and products and to defend our intellectual property rights, including trademarks, patents, domain names, trade secrets and know-how. We have been granted numerous trademark registrations and patents covering our brands and products and have filed, and expect to continue to file, trademark and patent applications seeking to protect newly developed brands and products. We cannot be sure that trademark and patent registrations will be issued with respect to any of our applications. There is also a risk that we could, by omission, fail to renew a trademark or patent on a timely basis or that our competitors will challenge, invalidate or circumvent any existing or future trademarks and patents issued to, or licensed by, us.

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Although we have taken appropriate action to protect our portfolio of intellectual property rights (including patent applications, trademark registration and domain names), we cannot be certain that the steps we have taken will be sufficient or that third parties will not infringe upon or misappropriate proprietary rights. Moreover, some of the countries in which we operate offer less effective intellectual property protection than is available in Europe or the United States. If we are unable to protect our proprietary rights against infringement or misappropriation, it could have a material adverse effect on our business, results of operations, cash flows or financial condition and, in particular, on our ability to develop our business.

Item 1B. Unresolved Staff Comments

Not applicable.

Item 2. Properties

We own and operate three highly-automated, small-batch production breweries: the Oregon Brewery, the New Hampshire Brewery, and the Hawaii Brewery, as well as five small, innovation brewing systems in Portland, Oregon, Seattle, Washington, Portsmouth, New Hampshire, Boone, North Carolina and Miami, Florida. We lease the sites upon which the Hawaii Brewery and Brewpubs, the New Hampshire Breweries and Brewpub, the Portland Innovation Brewery, and Oregon Brewpub, the Boone Cidery, the Miami Brewery and Taproom are located, in addition to our office space and warehouse locations in Portland, Oregon for our corporate, administrative and sales functions and the office space location in Miami, Florida for administrative and sales functions. In 2014, we entered into a lease for space in Southern California for our national sales office, which expires in 2019. In 2015, we entered into a long-term land lease for the location of our new Kona brewery, which expires in 2064, and in 2016, we entered into a lease for our new Redhook pub in Seattle, which expires in 2026. Certain of these leases are with related parties. See Notes 18 and 19 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this report for further discussion regarding these arrangements.

Certain information regarding our production breweries is as follows (capacity in thousands of barrels):

Production Breweries	Square Footage	Current Annual Capacity
Oregon Brewery	185,000	630
New Hampshire Brewery	125,000	215
Hawaiian Brewery	11,000	10
		855

Late in the fourth quarter of 2017, we completed several phases of an expansion to increase flexibility of our Oregon Brewery which did not materially impact our overall capacity for 2017 and, in 2016, we broke ground on a new 100,000 barrel brewery near our existing brewery and pub in Kona, which is expected to be fully operational in the latter half of 2019.

In 2016, we entered into a contract brewing agreement with ABCS with the ability to have up to 300,000 barrels produced annually and, during the second quarter of 2017, production began in their facilities.

Substantially all of our personal property and fixtures, as well as the real properties associated with the Oregon Brewery, secure our loan agreement with BofA. See Note 9 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this report.

Item 3. Legal Proceedings

We are involved, from time to time, in claims, proceedings and litigation arising in the normal course of business. We believe that, to the extent that any pending or threatened litigation involving us or our properties exists, such litigation is not likely to have a material adverse effect on our financial condition, cash flows or results of operations.

See Note 18, "Commitments and Contingencies," in the Notes to Consolidated Financial Statements found in Part II, Item 8 of this report, for additional information related to legal proceedings.

Item 4. Mine Safety Disclosures

Not applicable.

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PART II

Item 5. Market for Registrant’s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Our common stock trades on the NASDAQ Stock Market (“NASDAQ”) under the trading symbol BREW. The table below sets forth, for the fiscal quarters indicated, the reported high and low closing sale prices of our common stock, as reported on NASDAQ:

2017	High	Low
Quarter 1	\$17.25	\$12.40
Quarter 2	17.45	12.25
Quarter 3	18.90	16.75
Quarter 4	19.80	17.15

2018	High	Low
Quarter 1	\$19.90	\$17.85
Quarter 2	20.85	18.25
Quarter 3	21.00	16.15
Quarter 4	18.55	14.10

We had 676 common shareholders of record as of February 28, 2019.

We have not declared or paid any dividends during our existence. Under the terms of our loan agreement with BofA, we are permitted to declare or pay dividends without BofA’s consent, subject to limitations. We anticipate that, for the foreseeable future, all earnings will be retained for the operation and expansion of our business and that we will not pay cash dividends. The payment of dividends, if any, in the future, will be at the discretion of our Board of Directors and will depend upon, among other things, future earnings, capital and operating requirements, restrictions in future financing agreements, our general financial condition, and general business conditions.

Equity Compensation Plans

Information regarding securities authorized for issuance under equity compensation plans is included in Part III, Item 12 of this report.

Recent Sales of Unregistered Securities

None.

Issuer Purchases of Equity Securities

We did not repurchase any of our common stock during the fourth quarter of 2018.

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Stock Performance Graph

The following line-graph presentation compares cumulative five-year shareholder returns on an indexed basis, assuming a \$100 initial investment and reinvestment of dividends, of (a) Craft Brew Alliance, Inc., (b) a broad-based equity market index and (c) an industry-specific index. The broad-based market index used is the NASDAQ Composite Index and the industry-specific index used is the S&P 500 Beverages Index.

Total Return to Shareholders

(includes reinvestment of dividends)

COMPARISON OF CUMULATIVE FIVE YEAR TOTAL RETURN

Company/Index	Base	Indexed Returns				
	Period	Year Ended				
	12/31/2013	12/31/2014	12/31/2015	12/31/2016	12/31/2017	12/31/2018
Craft Brew Alliance, Inc.	\$ 100.00	\$81.24	\$ 50.97	\$ 102.92	\$ 116.93	\$ 87.15
NASDAQ Composite	100.00	113.40	119.89	128.89	165.29	158.87
S&P 500 Beverages Index	100.00	112.53	122.62	122.63	141.95	133.64

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Item 6. Selected Financial Data

The selected consolidated financial data below should be read in conjunction with “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and the consolidated financial statements and notes thereto included elsewhere in this report.

In thousands, except per share amounts Statement of Operations Data	Year Ended December 31,				
	2018	2017	2016	2015	2014
Net sales ⁽¹⁾	\$206,186	\$207,456	\$202,507	\$204,168	\$200,022
Cost of sales	137,863	142,198	142,908	141,972	141,312
Gross profit	68,323	65,258	59,599	62,196	58,710
Selling, general and administrative expenses ^{(2) (3)}	62,572	60,463	59,224	57,932	53,000
Operating income	5,751	4,795	375	4,264	5,710
Interest expense and other income (expense), net	(322)	(754)	(681)	(546)	(611)
Income (loss) before provision for income taxes	5,429	4,041	(306)	3,718	5,099
Income tax provision (benefit) ⁽⁴⁾	1,287	(5,482)	14	1,500	2,022
Net income (loss)	\$4,142	\$9,523	\$(320)	\$2,218	\$3,077
Basic and diluted net income (loss) per share	\$0.21	\$0.49	\$(0.02)	\$0.12	\$0.16
Shares used in basic per share calculations	19,349	19,284	19,225	19,152	19,038
Shares used in diluted per share calculations	19,557	19,447	19,225	19,175	19,126

Balance Sheet Data	December 31,				
	2018	2017	2016	2015	2014
Cash, cash equivalents and restricted cash	\$1,200	\$ 579	\$ 442	\$ 911	\$ 981
Working capital	13,673	38,005	13,082	8,933	6,380
Total assets	236,047	209,637	200,405	188,429	176,931
Current portion of long-term debt and capital leases	919	699	1,317	507	1,157
Long-term debt and capital leases, net of current portion	46,573	32,599	27,946	18,991	13,720
Other long-term obligations	15,177	14,764	19,844	19,057	18,068
Shareholders’ equity	136,435	130,791	119,661	118,738	115,417

(1) Net sales in 2017 includes a \$3.4 million fee from Pabst, related to the termination of the brewing agreements.

(2) Selling, general and administrative expenses in 2018 includes a gain of \$0.5 million related to the sale of the Woodinville brewing and bottling equipment.

Selling, general and administrative expenses in 2017 includes a \$1.0 million fee from Pabst related to the (3) termination of a purchase option agreement, as well as a \$0.5 million impairment charge related to the sale of our Woodinville brewery.

(4) The income tax benefit in 2017 includes a \$6.9 million benefit related to the effect on our deferred tax assets and liabilities of a change in Federal income tax rates from 34% to 21%.

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Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

Overview

Craft Brew Alliance, Inc. ("CBA") is the seventh largest craft brewing company in the U.S. and a leader in brewing, branding, and bringing to market world-class American craft beers.

Our distinctive portfolio combines the power of Kona Brewing Co., one of the top craft beer brands in the world, with strong regional breweries and innovative lifestyle brands, including Appalachian Mountain Brewery, Cisco Brewers, Omission Brewing Co., Redhook Brewery, Square Mile Cider Co., Widmer Brothers Brewing, and Wynwood Brewing Co. We nurture the growth and development of our brands in today's increasingly competitive beer market through our state-of-the-art brewing and distribution capability, integrated sales and marketing infrastructure, and strong focus on innovation, local community and sustainability.

CBA was formed in 2008 through the merger of Redhook Brewery and Widmer Brothers Brewing, the two largest craft brewing pioneers in the Northwest at the time. Following a successful strategic brewing and distribution partnership, Kona Brewing Co. joined CBA in 2010. As part of CBA, Kona has expanded its reach across all 50 U.S. states and approximately 30 countries, while remaining deeply rooted in its home of Hawaii.

As consumers increasingly seek more variety and more local offerings, Craft Brew Alliance has expanded its portfolio and home markets with strong regional craft beer brands in targeted markets. In 2015 and 2016, we formed strategic partnerships with Appalachian Mountain Brewery, based in Boone, North Carolina; Cisco Brewers, based in Nantucket, Massachusetts; and Wynwood Brewing Co., based in the heart of Miami's vibrant multicultural arts district. Building on the success of these partnerships, we acquired all three brands in the fourth quarter of 2018, fundamentally transforming our footprint and paving the way to increase our investments in their growth and drive shareholder value.

Publicly traded on NASDAQ under the ticker symbol BREW, Craft Brew Alliance is headquartered in Portland, Oregon and operates breweries and brewpubs across the U.S. For more information about CBA and its brands, see "Available Information" on page 14 of this report.

We proudly brew and package our craft beers in three company-owned production breweries located in Portland, Oregon; Portsmouth, New Hampshire; and Kailua-Kona, Hawaii. In 2018, we continued to leverage our contract brewing agreement with A-B Commercial Strategies, LLC ("ABCS"), an affiliate of Anheuser-Busch, LLC ("A-B"), through which we brew select CBA brands in A-B's Fort Collins, Colorado brewery. Additionally, we own and operate five innovation breweries in Portland, Oregon; Seattle, Washington; Portsmouth, New Hampshire; Boone, North Carolina; and Miami, Florida, which are primarily used for small-batch production and limited-release beers offered primarily in our brewpubs and brands' home markets.

We distribute our beers to retailers through wholesalers that are aligned with the A-B network. These sales are made pursuant to a Master Distributor Agreement (the "A-B Distributor Agreement") with A-B, which extends through 2028. As a result of this distribution arrangement, we believe that, under alcohol beverage laws in a majority of states, these wholesalers would own the exclusive right to distribute our beers in their respective markets if the A-B Distributor Agreement expires or is terminated. As competition puts increasing pressure on craft brands outside of their home markets, we are continuing our efforts to stabilize and strengthen Widmer Brothers and Redhook in the Pacific Northwest, while expanding distribution of Appalachian Mountain Brewery, Cisco Brewers, and Wynwood Brewing Co. across their respective home markets of North Carolina, New England, and South Miami.

Separate from our A-B wholesalers, we maintain an internal independent sales and marketing organization with resources across the key functions of brand management, field marketing, field sales, and national retail sales.

We operate in two segments: Beer Related operations and Brewpubs operations. Beer Related operations include the brewing, and domestic and international sales, of craft beers and ciders from our breweries. Brewpubs operations primarily include our seven brewpubs, six of which are located adjacent to our Beer Related operations, as well as other merchandise sales, and sales of our beers directly to customers.

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Following is a summary of our financial results:

	Net Sales	Net Income (Loss)	Number of Barrels Sold
2018	\$206.2 million	\$4.1 million	747,600
2017	\$207.5 million	\$9.5 million	748,300
2016	\$202.5 million	\$(0.3) million	775,600

Sale of Woodinville Brewery

See Notes 20 and 21 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this report for a discussion of the termination of our agreements with Pabst Brewing Company, LLC, and Pabst Northwest Brewing Company, LLC (collectively, "Pabst"), the determination in 2017 to classify our Woodinville Brewery assets as held for sale and a \$0.5 million impairment charge recorded related to the assets held for sale. The sale was completed in early 2018 and when settled, resulted in a \$0.5 million gain on sale of assets (see Note 21 of Notes to Consolidated Financial Statements).

Agreements with Anheuser-Busch, LLC

On August 23, 2016, we entered into a Contract Brewing Agreement (the "Brewing Agreement") with A-B Commercial Strategies, LLC ("ABCS"), an affiliate of A-B, pursuant to which ABCS has agreed to brew, bottle and package up to 300,000 barrels of our mutually agreed products annually, in facilities owned by ABCS within the United States, for an initial term through December 31, 2026. Production began in A-B's Fort Collins, Colorado brewery in the second quarter of 2017.

In December 2015, we partnered with Ambev, the Brazilian subsidiary of Anheuser-Busch InBev SA, to distribute Kona beers in Brazil. On August 23, 2016, we also entered into an International Distribution Agreement (the "International Distribution Agreement") with Anheuser-Busch Worldwide Investments, LLC ("ABWI"), an affiliate of A-B, pursuant to which ABWI will be our sole and exclusive distributor of our malt beverage products in jurisdictions outside the United States, subject to the terms and conditions of our agreement with our existing international distributor, CraftCan Travel LLC, and certain other limitations, in each case as set forth in the International Distribution Agreement. Unless terminated sooner, the International Distribution Agreement will continue in effect until December 31, 2026.

On August 23, 2016, we entered into Amendment No. 3 to the A-B Distributor Agreement. Pursuant to Amendment No. 3, the A-B Distributor Agreement was extended through December 31, 2028 (the "Term"). The existing margin fee structure of \$0.25 per case-equivalent will apply throughout the Term. Without Amendment No. 3, beginning on January 1, 2019, a margin fee of \$0.75 per case equivalent would have been payable by us under the A-B Distributor Agreement. Amendment No. 3 also provides that, beginning on January 1, 2019, we will reinvest an aggregate amount equal to \$0.25 per case equivalent in sales and marketing efforts for our products, subject to specified terms and conditions.

On January 30, 2018, we entered into a Contract Brewing Agreement with Anheuser-Busch Companies, LLC ("ABC"), another

A-B affiliate, pursuant to which we agreed to brew, package, and palletize certain malt beverage products of A-B's craft breweries at our Portland, Oregon, and Portsmouth, New Hampshire, breweries as selected by ABC. Under the terms of this agreement, ABC pays us a per barrel fee that varies based on the annual volume of the specified product brewed by us, plus (a) our actual incremental costs of brewing the product, and (b) certain capital costs and costs of graphics and labeling that we incur in connection with the brewed products. The agreement, as extended, will expire on December 31, 2019.

For additional information, see Note 19 of Notes to Consolidated Financial Statements, included in Part II, Item 8 of this report.

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Results of Operations

The following table sets forth, for the periods indicated, certain information from our Consolidated Statements of Operations expressed as a percentage of Net sales⁽¹⁾:

	Year Ended December 31,		
	2018	2017	2016
Sales	105.4 %	105.8 %	106.5 %
Less excise tax	5.4	5.8	6.5
Net sales	100.0	100.0	100.0
Cost of sales	66.9	68.5	70.6
Gross profit	33.1	31.5	29.4
Selling, general and administrative expenses	30.3	29.1	29.2
Operating income	2.8	2.3	0.2
Interest expense	(0.3)	(0.3)	(0.4)
Other income (expense), net	0.1	—	—
Income (loss) before income taxes	2.6	1.9	(0.2)
Income tax provision (benefit)	0.6	(2.6)	—
Net income (loss)	2.0 %	4.6 %	(0.2)%

(1) Percentages may not sum due to rounding.

Segment Information

Net sales, Gross profit and Gross margin information by segment was as follows (dollars in thousands):

2018	Year Ended December 31,		
	Beer Related	Brewpubs	Total
Net sales	\$182,163	\$24,023	\$206,186
Gross profit	\$66,958	\$1,365	\$68,323
Gross margin	36.8 %	5.7 %	33.1 %
2017			
Net sales	\$179,830	\$27,626	\$207,456
Gross profit	\$63,412	\$1,846	\$65,258
Gross margin	35.3 %	6.7 %	31.5 %
2016			
Net sales	\$173,657	\$28,850	\$202,507
Gross profit	\$55,667	\$3,932	\$59,599
Gross margin	32.1 %	13.6 %	29.4 %

Net Sales by Category

The following tables set forth a comparison of Net sales by category (dollars in thousands):

Sales by Category	Year Ended December 31,		Dollar Change	% Change
	2018	2017		
A-B and A-B related ⁽¹⁾	\$167,638	\$164,491	\$3,147	1.9 %
Contract brewing and beer related ⁽²⁾	25,608	27,430	(1,822)	(6.6)%
Excise taxes	(11,083)	(12,091)	1,008	(8.3)%
Net beer related sales	182,163	179,830	2,333	1.3 %
Brewpubs ⁽³⁾	24,023	27,626	(3,603)	(13.0)%
Net sales	\$206,186	\$207,456	\$(1,270)	(0.6)%

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Sales by Category	Year Ended		Dollar Change	% Change
	December 31, 2017	2016		
A-B and A-B related ⁽¹⁾	\$164,491	\$167,725	\$(3,234)	(1.9)%
Contract brewing and beer related ⁽²⁾	27,430	19,052	8,378	44.0%
Excise taxes	(12,091)	(13,120)	1,029	(7.8)%
Net beer related sales	179,830	173,657	6,173	3.6%
Brewpubs ⁽³⁾	27,626	28,850	(1,224)	(4.2)%
Net sales	\$207,456	\$202,507	\$4,949	2.4%

A-B and A-B related includes domestic and international sales of our owned brands sold through A-B and Ambev, (1) non-owned brands sold pursuant to master distribution agreements, contract brewing fees earned from ABC which began in 2018, international distribution fees earned from ABWI and the sale of hops to A-B.

(2) Beer related includes international and domestic beer sales not sold through A-B or Ambev, as well as fees earned through alternating proprietorship agreements.

(3) Brewpubs sales include sales of promotional merchandise and sales of beer directly to customers.

Shipments by Category

Shipments by category were as follows (in barrels):

Year Ended December 31,	2018	2017	Increase (Decrease)	% Change	Change in Depletions ⁽¹⁾
	Shipments	Shipments			
A-B and A-B related ⁽²⁾	653,300	654,200	(900)	(0.1)%	(2)%
Contract brewing and beer related ⁽³⁾	86,700	84,800	1,900	2.2%	
Brewpubs	7,600	9,300	(1,700)	(18.3)%	
Total	747,600	748,300	(700)	(0.1)%	

Year Ended December 31,	2017	2016	Increase (Decrease)	% Change	Change in Depletions ⁽¹⁾
	Shipments	Shipments			
A-B and A-B related ⁽²⁾	654,200	693,300	(39,100)	(5.6)%	(1)%
Contract brewing and beer related ⁽³⁾	84,800	72,600	12,200	16.8%	
Brewpubs	9,300	9,700	(400)	(4.1)%	
Total	748,300	775,600	(27,300)	(3.5)%	

(1) Change in depletions reflects the year-over-year change in barrel volume sales of beer by our wholesalers to retailers.

A-B and A-B related includes domestic and international shipments of our owned brands distributed through A-B (2) and Ambev, non-owned brands distributed pursuant to master distribution agreements and contract brewing volume produced for ABC which began in 2018.

(3) Beer related includes domestic and international shipments of our beers not distributed through A-B or Ambev.

The increase in sales to A-B and A-B related in 2018 compared to 2017 was primarily due to an increase in average unit pricing, contract brewing fees earned and the sale of hops, partially offset by unfavorable brand family mix.

The decrease in sales to A-B and A-B related in 2017 compared to 2016 was primarily due to a decrease in shipment volume as we continued to reduce our inventory levels at our wholesaler partners as part of our ongoing efforts to address slowing craft segment growth and the on-going inventory pressures facing distributors in today's complex craft beer market, partially offset by an increase in average unit pricing. The decrease was also partially offset by \$3.4 million of international distribution fees earned in 2017 compared to \$1.2 million earned in 2016 related to our international distribution agreement with ABWI, which began in the third quarter of 2016.

The average gross revenue per barrel, excluding excise taxes and net of discounting, on shipments of beer through the A-B distribution network increased by 1.4% in 2018 compared to 2017, primarily due to pricing increases, partially offset by shifts in brand family mix. The average gross revenue per barrel, excluding excise taxes and net of discounting, on shipments of beer through the A-B distribution network increased by 2.4% in 2017 compared to 2016, primarily due to pricing increases and shifts in brand family, package and geographic mix. Price changes implemented by us have generally followed craft beer market pricing

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trends. During 2018, 2017 and 2016, we sold 87.4%, 87.4% and 89.4%, respectively, of our beer through A-B at wholesale pricing levels.

The decrease in contract brewing and beer related sales in 2018 compared to 2017 was primarily due to \$3.4 million of non-recurring fees earned in the 2017 period from Pabst Northwest Brewing Company ("Pabst") related to a contract brewing volume shortfall and termination fees, partially offset by an increase in international shipments of our beers not distributed through A-B or Ambev and an increase in our alternating proprietorship fees. As a result of our asset purchase of Cisco and acquisitions of AMB and Wynwood, we no longer have alternating proprietorship agreements as of the respective asset purchase and acquisition dates. We expect this to have an unfavorable impact on our 2019 and future Contract brewing and beer related sales.

The increase in contract brewing and beer related sales in 2017 compared to 2016 was primarily due to an increase in our alternating proprietorship volume and an increase in international shipments of our beers not distributed through A-B or Ambev. Contract brewing shortfall and termination fees earned from Pabst were \$3.4 million in 2017 compared to a contract brewing shortfall fee of \$1.6 million in 2016. In addition, we had a slight increase in our contract brewing volume in 2017 compared to 2016.

Brewpubs sales decreased in 2018 compared to 2017, primarily as a result of the closure of our Woodinville brewpub which occurred at the end of 2017, partially offset by increased sales at our Kona brewpub on the big island of Kailua-Kona in Hawaii and our Redhook Brewlab being operational for a full year.

Brewpubs sales decreased in 2017 compared to 2016, primarily as a result of decreased guest counts across our mainland brewpubs, partially offset by an increased guest count at our Kona brewpub on the big island of Kailua-Kona in Hawaii and the opening of our newest brewpub, Redhook Brewlab, in Seattle, Washington. Our Woodinville brewpub closed at the end of 2017.

Excise taxes vary directly with the volume of beer shipped. Additionally, beginning January, 1, 2018, the federal excise taxes imposed on domestic brewers, such as us, that produce less than 2 million barrels annually, were reduced from \$7.00 to \$3.50 per barrel on the first 60,000 barrels shipped annually and from \$18.00 to \$16.00 per barrel on the first 6 million barrels shipped annually for all other brewers and all beer importers. Also, while the existing excise tax on hard cider did not change, the small producer tax credit for hard cider was expanded. Producers like us, who produce between 130,000 and 750,000 gallons of hard cider annually, receive a \$0.033 credit for an effective tax rate of \$0.193 per gallon.

Shipments by Brand

The following table sets forth a comparison of shipments by brand (in barrels):

Year Ended December 31,	2018 Shipments	2017 Shipments	Increase (Decrease)	% Change	Change in Depletions
Kona	456,300	424,600	31,700	7.5 %	8 %
Widmer Brothers	98,700	123,300	(24,600)	(20.0)%	(19)%
Redhook	71,200	94,200	(23,000)	(24.4)%	(27)%
Omission	44,700	44,000	700	1.6 %	— %
All other ⁽¹⁾	48,500	44,500	4,000	9.0 %	12 %
Total ⁽²⁾	719,400	730,600	(11,200)	(1.5)%	(2)%

Year Ended December 31,	2017 Shipments	2016 Shipments	Increase (Decrease)	% Change	Change in Depletions
Kona	424,600	397,400	27,200	6.8 %	10 %
Widmer Brothers	123,300	148,100	(24,800)	(16.7)%	(16)%

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Redhook	94,200	127,200	(33,000)	(25.9)%	(24)%
Omission	44,000	42,900	1,100	2.6 %	(2)%
All other ⁽¹⁾	44,500	33,300	11,200	33.6 %	17 %
Total ⁽²⁾	730,600	748,900	(18,300)	(2.4)%	(1)%

(1) All other includes the shipments and depletions from our Appalachian Mountain Brewing, Cisco Brewers, Square Mile, and Wynwood Brewing brand families.

(2) Total shipments by brand include international shipments and exclude shipments that we produced for others under our contract brewing arrangements.

The increase in our Kona brand shipments in 2018 compared to 2017 was due to increases in both in domestic and international shipments, primarily led by demand for Big Wave Golden Ale and Kanaha Blonde Ale, partially offset by a decline in Longboard Lager.

The increase in our Kona brand shipments in 2017 compared to 2016 was due to increases in both in domestic and international shipments, primarily led by demand for Hanalei Island IPA and Big Wave Golden Ale, partially offset by a decline in Castaway IPA.

The decrease in our Widmer Brothers brand shipments in 2018 compared to 2017 was led by a decrease in Hefeweizen brand shipments, primarily due to a continued strategic focus on the home market of Oregon, partially offset by the release of Green and Gold Kolsch and Deadlift IPA.

The decrease in our Widmer Brothers brand shipments in 2017 compared to 2016 was led by a decrease in Hefeweizen brand shipments, primarily due to a continued strategic focus on the home market of Oregon, partially offset by the release of Drifter and the Hefe Fruit variety pack.

The decrease in our Redhook brand shipments in 2018 compared to 2017 was primarily due to a continued strategic focus on the home market of Washington, led by a decline in Longhammer IPA and ESB brand shipments, partially offset by an increase in Big Ballard IPA.

The decrease in our Redhook brand shipments in 2017 compared to 2016 was primarily due to a continued strategic focus on the home market of Washington, led by a decline in Longhammer IPA and ESB brand shipments, partially offset by higher demand for Big Ballard IPA and the release of Bicoastal IPA.

The slight increase in our Omission brand shipments in 2018 compared to 2017 was primarily led by increased demand for Omission Ultimate Light brand, offset by a decrease in our Pale Ale and Lager brands.

The increase in our Omission brand shipments in 2017 compared to 2016 was primarily led by increased demand for our new brand Omission Ultimate Light, which was introduced in the first quarter of 2017, offset by a decrease in Omission Pale Ale.

The increase in our All other shipments in 2018 compared to 2017 was primarily due to an increase in shipment volumes related to our distribution agreements with Wynwood Brewing and Appalachian Mountain Brewing. During the fourth quarter of 2018, the distribution agreements with Wynwood Brewing and Appalachian Mountain Brewing terminated when their shipments began being treated as owned.

The increase in our All other shipments in 2017 compared to 2016 was primarily due to an increase in shipment volumes related to our distribution agreements with Wynwood Brewing, Cisco Brewers and Appalachian Mountain Brewing.

Shipments by Package

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The following table sets forth a comparison of our shipments by package, excluding contract brewing shipments produced under our contract brewing arrangements (in barrels):

Year Ended December 31,	2018		2017		2016	
	Shipments	% of Total	Shipments	% of Total	Shipments	% of Total
Draft	169,200	23.5 %	165,600	22.7 %	171,100	22.8 %
Packaged	550,200	76.5 %	565,000	77.3 %	577,800	77.2 %
Total	719,400	100.0%	730,600	100.0%	748,900	100.0%

The package mix was relatively consistent through the three-year period.

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Cost of Sales

Cost of sales includes purchased raw materials, direct labor, overhead and shipping costs.

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Information regarding Cost of sales was as follows (dollars in thousands):

	Year Ended December 31,		Dollar	
	2018	2017	Change	% Change
Beer Related	\$ 115,205	\$ 116,418	\$(1,213)	(1.0)%
Brewpubs	22,658	25,780	(3,122)	(12.1)%
Total	\$ 137,863	\$ 142,198	\$(4,335)	(3.0)%

	Year Ended December 31,		Dollar	
	2017	2016	Change	% Change
Beer Related	\$ 116,418	\$ 117,990	\$(1,572)	(1.3)%
Brewpubs	25,780	24,918	862	3.5 %
Total	\$ 142,198	\$ 142,908	\$(710)	(0.5)%

The decrease in Beer Related Cost of sales in 2018 compared to 2017 was primarily due to a decrease in Beer Related Cost of sales on a per barrel basis. The decrease in our Beer Related Cost of sales on a per barrel basis was primarily due to the lower cost of having a portion of our beer produced by A-B in its Fort Collins, Colorado brewery, as well as cost savings associated with removing the Woodinville facility from our brewing footprint and the termination of our contract brewing agreement in Memphis, which had higher costs on a per barrel basis. The decreases were partially offset by increases in brewery costs due to higher fixed overhead, distribution rates on a per barrel basis and an increase in the quantity of hops shipped from our inventory. As a result of our asset purchase of Cisco and acquisitions of AMB and Wynwood we no longer have alternating proprietorship agreements. We expect this to have a favorable impact on our 2019 and future Beer Related Cost of sales.

The decrease in Beer Related Cost of sales in 2017 compared to 2016 was primarily due to a decrease in cost of goods related to lower shipment volume, efficiency improvements and improved distribution rates on a per barrel basis, partially offset by an increase in brewery costs on a per barrel basis and alternating proprietorship volume.

Early in the fourth quarter of 2016, we laid off approximately half of our production employees at our Woodinville brewery. The fourth quarter costs of the layoff were immaterial and effectively offset by the cost savings in the fourth quarter.

Brewpubs Cost of sales decreased in 2018 compared to 2017 primarily due to closure of the Woodinville brewpub and conversion of the Portland brewpub into a taproom, partially offset by the costs of opening our new brewpub in Seattle.

Brewpubs Cost of sales increased in 2017 compared to 2016 primarily due to increases in employee related costs and rent and other startup costs related to our Seattle brewpub, partially offset by a decrease in guest counts.

Capacity Utilization

Capacity utilization is calculated by dividing total shipments from our owned breweries by approximate working capacity of those breweries and was as follows:

	Year Ended December 31,		
	2018	2017	2016
Capacity utilization	57%	60%	67%

In June 2014, we initiated full-scale brewing with our brewing partner in Memphis, Tennessee. This partnership provided us scalable capacity and we had the ability to produce up to 100,000 barrels at this location annually. Production ceased with this brewing partner during the second quarter of 2017. In 2016, we entered into a contract brewing agreement with ABCS with the ability to have up to 300,000 barrels produced annually and, during the second quarter of 2017, production began in their facilities.

Our capacity utilization declined in 2018 compared to 2017 due to a larger percentage of our beer being brewed by ABCS as part of our contract brewing relationship and evolving brewery footprint.

Our capacity utilization declined in 2017 compared to 2016 due to reductions in wholesaler inventories, as well as a larger percentage of our beer being brewed by ABCS as part of our contract brewing relationship and shifts in our brewery footprint.

As discussed in Notes 20 and 21 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this report, we ceased production at our Woodinville, Washington brewery during the second quarter of 2017, which reduced the capacity of our owned breweries beginning in the third quarter of 2017. As a result, beginning with the third quarter of 2017, our capacity utilization calculation was revised to exclude, from the denominator, the production capacity of our Woodinville, Washington brewery, which we estimated to be approximately 220,000 barrels per year.

Gross Profit

Information regarding Gross profit was as follows (dollars in thousands):

	Year Ended December 31,		Dollar		% Change	
	2018	2017	Change		%	
Beer Related	\$66,958	\$63,412	\$3,546		5.6	%
Brewpubs	1,365	1,846	(481))	(26.1)	%
Total	\$68,323	\$65,258	\$3,065		4.7	%

	Year Ended December 31,		Dollar		% Change	
	2017	2016	Change		%	
Beer Related	\$63,412	\$55,667	\$7,745		13.9	%
Brewpubs	1,846	3,932	(2,086))	(53.1)	%
Total	\$65,258	\$59,599	\$5,659		9.5	%

Gross profit as a percentage of Net sales, or gross margin rate, was as follows:

	Year Ended December 31,		
	2018	2017	2016
Beer Related	36.8%	35.3%	32.1%
Brewpubs	5.7%	6.7%	13.6%
Total	33.1%	31.5%	29.4%

The increase in Beer Related Gross profit and gross margin in 2018 compared to 2017 was primarily due to increased unit pricing, lower excise tax rates, and the lower costs related to having a portion of our beer produced by A-B in Fort Collins, partially offset by \$3.4 million of non-recurring fees earned from Pabst related to a contract brewing volume shortfall in 2017, and increases in brewery costs and distribution rates on a per barrel basis.

The increases in Beer Related Gross profit and gross margin rate in 2017 compared to 2016 were primarily due to increased unit pricing and higher alternating proprietorship volume, as well as a \$2.2 million increase in the ABWI international distribution fee earned and \$1.8 million of additional fees earned from Pabst related to contract brewing volume shortfall and termination fees in 2017 compared to 2016, and a decrease in distribution rates on a per barrel basis. The favorable benefits to Beer Related Gross profit were partially offset by an increase in brewery costs on a per barrel basis and a decrease in shipment volume.

The decreases in Brewpubs Gross profit and gross margin in 2018 compared to 2017 were primarily due to the closure of our Woodinville brewpub and the net costs associated with our brewpub in Seattle, partially offset by the increased sales at our Kona brewpub.

The decreases in the Brewpubs Gross profit and gross margin rate in 2017 compared to 2016 were primarily due to decreased guest counts, increased employee related costs and costs related to preparations to open our Seattle brewpub.

Selling, General and Administrative Expenses

Selling, general and administrative expenses (“SG&A”) include compensation and related expenses for our sales and marketing activities, management, legal and other professional and administrative support functions.

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Information regarding SG&A was as follows (dollars in thousands):

	Year Ended		Dollar	%
	December 31,		Change	Change
	2018	2017		
	\$62,572	\$60,463	\$2,109	3.5 %
As a % of Net sales	30.3	% 29.1	%	

	Year Ended		Dollar	%
	December 31,		Change	Change
	2017	2016		
	\$60,463	\$59,224	\$1,239	2.1 %
As a % of Net sales	29.1	% 29.2	%	

The increase in SG&A in 2018 compared to 2017 was primarily due to increases in in-market promotional spend and professional fees, partially offset by a gain of \$0.5 million in the first quarter of 2018 related to the sale of the Woodinville brewing and bottling equipment and a decrease in general and administrative costs.

The increase in SG&A in 2017 compared to 2016 was primarily due to increased professional fees, technology related expenses and an impairment charge of \$0.5 million related to the sale of our Woodinville Brewery, partially offset by a \$1.0 million contract settlement fee received from Pabst, as well as a decrease in creative and media spend.

Interest Expense

Information regarding Interest expense was as follows (dollars in thousands):

	Year		Dollar	%
	Ended		Change	Change
	December 31,			
	2018	2017		
Interest expense	\$614	\$715	\$(101)	(14.1)%

	Year		Dollar	%
	Ended		Change	Change
	December 31,			
	2017	2016		
Interest expense	\$715	\$709	\$6	0.8 %

	Year Ended December 31,		
	2018	2017	2016
Average debt outstanding	\$18,664	\$27,189	\$27,548
Average interest rate	2.96 %	2.08 %	1.51 %

The decrease in Interest expense in 2018 compared to 2017 was primarily due to a decrease in our average debt outstanding, partially offset by an increase in our average interest rate. The decrease in our average debt outstanding was due to principal payments made on our term loan and the payoff of our revolving credit balance following the sale of our Woodinville, Washington brewery in January 2018.

The increase in Interest expense in 2017 compared to 2016 was primarily due to an increase in our average interest rate, partially offset by a decrease in our average debt outstanding. The decrease in our average debt outstanding was

due to principal payments made on our term loan and a decrease in the average amount outstanding on our line of credit, which fluctuates with our operating capital needs.

Income Tax Provision (Benefit)

Our effective income tax rate was 23.7%, (135.7)% and 4.6% in 2018, 2017 and 2016, respectively. The effective income tax rates reflect the impact of non-deductible expenses (primarily meals and entertainment expenses), state and local taxes, tax credits, and for periods prior to 2018, income excluded from taxation under the domestic production activities exclusion.

Our effective income tax rate in 2018 reflects the benefit of tax legislation, which reduced our federal tax rate from 34% to 21% effective January 1, 2018.

In the second quarter of 2017, we recognized a tax credit of \$164,000 for a biofuel project at our New Hampshire brewery. The tax credit was claimed on our 2016 tax return and is based upon a study completed in the second quarter of 2017.

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In the fourth quarter of 2017, we recognized the impact of enacted tax legislation, which reduced our federal tax rate from 34% to 21% effective January 1, 2018. This reduction resulted in a \$6.9 million decrease to our deferred tax liability, which was recognized as a reduction to our income tax provision in the fourth quarter of 2017, the period of enactment. Before consideration of the effects of tax reform, our income tax provision would have been \$1.4 million, for an effective income tax rate of 34.9%. Our accounting for the income tax effects of the new tax legislation is complete, and we do not anticipate adjustments to such accounting in future periods.

Liquidity and Capital Resources

We have required capital primarily for the construction and development of our production breweries, to support our expansion and growth plans, including acquisitions, and to fund our working capital needs. Historically, we have financed our capital requirements through cash flows from operations, bank borrowings and the sale of common and preferred stock. We anticipate meeting our obligations for the twelve months beginning January 1, 2019, primarily from cash flows generated from operations and borrowing under our line of credit facility as the need arises. Capital resources available to us at December 31, 2018 included \$0.7 million of Cash and cash equivalents and \$7.9 million available under our line of credit facility.

We had \$13.7 million and \$38.0 million of working capital and our debt as a percentage of total capitalization (total debt and common shareholders' equity) was 25.8% and 20.3% at December 31, 2018 and 2017, respectively.

A summary of our cash flow information was as follows (in thousands):

	Year Ended December 31,		
	2018	2017	2016
Net cash provided by operating activities	\$13,241	\$16,778	\$7,444
Net cash used in investing activities	(27,124)	(20,348)	(16,572)
Net cash provided by financing activities	14,504	3,707	8,659
Increase (decrease) in cash, cash equivalents and restricted cash	\$621	\$137	\$(469)

Cash provided by operating activities of \$13.2 million in 2018 resulted from our Net income of \$4.1 million, net non-cash expenses of \$11.5 million, and changes in our operating assets and liabilities as discussed in more detail below.

Accounts receivable, net, increased \$2.2 million to \$30.0 million at December 31, 2018, compared to \$27.8 million at December 31, 2017. This increase was primarily due to a \$3.3 million increase in our receivable from A-B to a total of \$23.9 million at December 31, 2018, primarily due to the \$6.0 million international distribution agreement fee from ABWI outstanding at December 31, 2018, which was received in January 2019, compared to the \$5.0 million fee outstanding at December 31, 2017. Historically, we have not had collection problems related to our accounts receivable.

Inventories increased \$3.4 million to \$17.2 million at December 31, 2018, compared to \$13.8 million at December 31, 2017. The increase was primarily due to an increase in raw materials as we purchased hops under raw material contracts.

Accounts payable increased \$3.3 million to \$17.6 million at December 31, 2018, compared to \$14.3 million at December 31, 2017, primarily due to the timing of payments for capital projects. The portion of our payable to A-B that is included in our Accounts payable totaled \$5.1 million at December 31, 2018, which is slightly higher than the balance at December 31, 2017, primarily due to the timing of payments related to our contract brewing relationship with ABCS.

As of December 31, 2018 we had the following net operating loss carryforwards (“NOLs”) and federal credit carry forwards available to offset payment of future income taxes:

state NOLs of \$10,000, tax-effected; and
federal alternative minimum tax (“AMT”) credit carry forwards of \$170,000.

The AMT credit carryforward is refundable over the next four years. As such, the carryforward is recognized as a tax receivable on our Consolidated Balance Sheets at December 31, 2018.

Capital expenditures of \$12.8 million in 2018 were primarily directed to beer production capacity and efficiency improvements and Brewpubs remodeling. As of December 31, 2018, we had an additional \$3.1 million of expenditures recorded in Accounts payable on our Consolidated Balance Sheets, compared to \$0.5 million at December 31, 2017. Beginning in 2015, we invested

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approximately \$10 million in our Oregon Brewery to expand capacity; the project was completed in the fourth quarter of 2017. Also beginning in 2015 through expected completion in 2019, we are investing approximately \$20 million in a new Hawaiian Brewery. We anticipate capital expenditures of approximately \$15 million to \$19 million in 2019, primarily for our new Kona brewery.

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Loan Agreement

On October 10, 2018, we executed a First Amendment (the "Amendment") to our Amended and Restated Credit Agreement with Bank of America, N.A. dated November 30, 2015 (as amended, the "Credit Agreement"). The Credit Agreement provides for a revolving line of credit ("Line of Credit"), including provisions for cash borrowings and up to \$2.5 million notional amount of letters of credit, and a \$10.8 million term loan ("Term Loan"). The primary changes effected by the Amendment were to increase the maximum amount available under the line of credit from \$40.0 million to \$45.0 million and to extend the maturity date of the line of credit from November 30, 2020 to September 30, 2023, which is also the maturity date of the term loan. The maximum amount of the line of credit is subject to loan commitment reductions in the amount of \$750,000 each quarter beginning March 31, 2020. The Amendment also increased the limit on the total amount of investments that we may make in other craft brewers, other than the acquisition of all or substantially all of the assets or controlling ownership interests, from \$5.0 million to \$10.0 million. We may draw upon the Line of Credit for working capital and general corporate purposes. At December 31, 2018, we had \$37.1 million of borrowings outstanding under the Line of Credit and \$8.8 million outstanding under the Term Loan.

As discussed in Note 21 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this report, we completed the sale of our Woodinville, Washington brewery on January 12, 2018 for a total selling price of \$24.5 million. We used proceeds from the sale to fully pay down our Line of Credit effective January 26, 2018. In the fourth quarter of 2018, we borrowed on the Line of Credit primarily to fund the asset purchase and acquisitions as discussed in Note 5.

Under the Loan Agreement, interest accrues at an annual rate based on the London Inter-Bank Offered Rate ("LIBOR") Daily Floating Rate plus a marginal rate. The marginal rate varies from 0.75% to 1.75% for the Line of Credit and Term Loan based on our funded debt ratio. At December 31, 2018, our marginal rate was 1.25% resulting in an annual interest rate of 3.23%.

Accrued interest for the Term Loan is due and payable monthly. Principal payments on the Term Loan are due monthly in accordance with an agreed-upon schedule set forth in the Loan Agreement, with any unpaid principal balance and unpaid accrued interest due and payable on September 30, 2023.

The Loan Agreement authorizes acquisitions within the same line of business as long as we remain in compliance with the financial covenants of the Loan Agreement and there is at least \$5.0 million of availability remaining on the Line of Credit following the acquisition.

Contractual Commitments and Obligations

The following is a summary of our contractual commitments and obligations as of December 31, 2018 (in thousands):

	Total	Payments Due By Period			
		2019	2020 and 2021	2022 and 2023	2024 and beyond
Contractual Obligations					
Term loan	\$8,823	\$442	\$936	\$7,445	\$—
Interest on term loan ⁽¹⁾	420	97	179	144	—
Line of credit	37,092	—	—	37,092	—
Operating leases	43,712	11,208	3,800	3,258	25,446
Capital leases	1,725	529	599	398	199
Purchase commitments	27,794	7,278	14,641	5,875	—
Sponsorship obligations	4,168	1,830	1,745	593	—

Interest rate swap ⁽²⁾	780	180	332	268	—
	\$124,514	\$21,564	\$22,232	\$55,073	\$25,645

(1) The variable interest rate on our Term Loan and Line of Credit was 3.23% at December 31, 2018.

(2) The fixed rate on our interest rate swap was 2.86%. We pay interest at the fixed rate and receive interest at the Benchmark Rate, which was 2.46% at December 31, 2018.

See Notes 9 and 18 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this report for additional information.

Inflation

We believe that the impact of inflation was minimal on our business in 2018, 2017 and 2016.

Critical Accounting Policies and Estimates

Our financial statements are based upon the selection and application of significant accounting policies that require management to make significant estimates and assumptions. Judgments and uncertainties affecting the application of these policies may result in materially different amounts being reported under different conditions or using different assumptions. Our estimates are based upon historical experience, market trends and financial forecasts and projections, and upon various other assumptions that management believes to be reasonable under the circumstances at various points in time. Actual results may differ, potentially significantly, from these estimates.

Goodwill and Other Indefinite-Lived Intangible Assets

We test goodwill and other indefinite-lived intangible assets for impairment on an annual basis, or as indicators of impairment are present. We have an option to first assess certain qualitative factors for indications of impairment in order to determine whether it is necessary to perform the quantitative, two-step impairment test. If we choose not to first perform the qualitative test, or we determine that it is more likely than not that the fair value of the reporting unit is less than the carrying amount, we perform the quantitative two-step impairment test.

Our goodwill and other indefinite-lived intangible assets impairment loss calculations contain uncertainties because they require management to make assumptions in the qualitative assessment of relevant events and circumstances and to estimate the fair value of our reporting units and indefinite-lived intangible assets, including estimating future cash flows. These calculations contain uncertainties because they require management to make assumptions and apply judgment to estimate economic factors and the profitability of future business operations and, if necessary, the fair value of a reporting unit's assets and liabilities. Further, our ability to realize the future cash flows used in our fair value calculations is affected by changes in such factors as our operating performance, our business strategies, our industry and economic conditions.

We do not believe there is a reasonable likelihood that there will be a material change in the future estimates or assumptions we use to test for impairment losses on goodwill. Based on the results of our annual impairment test for goodwill and other indefinite-lived intangible assets, no impairment was recorded. We believe, based on our assessment discussed above, that our goodwill and other indefinite-lived intangible assets are not at risk of impairment. However, if actual results are not consistent with our estimates or assumptions or there are significant changes in any of these estimates, projections or assumptions, the fair value of these assets in future measurement periods could be materially affected, resulting in an impairment that could have a material adverse effect on our results of operations.

Refundable Deposits on Kegs

We distribute our draft beer in kegs that are owned by us and are reflected as a component of Property, equipment and leasehold improvements in our Consolidated Balance Sheets at cost and are depreciated over the estimated useful life

of the keg. When draft beer is shipped to the wholesaler, we collect a refundable deposit, reflected as a current liability in our Consolidated Balance Sheets. Upon return of the keg to us, the deposit is refunded to the wholesaler. When a wholesaler cannot account for some of our kegs for which it is responsible, it pays us a fixed fee and forfeits its deposit for each keg determined to be lost. We have experienced some loss of kegs and anticipate that some loss will occur in future periods due to the significant volume of kegs handled by each wholesaler and retailer, the similarities between kegs owned by most brewers, and the relatively low deposit collected on each keg when compared with the market value of the keg. We believe that this is an industry-wide issue and our loss experience is typical of the industry. In order to estimate forfeited deposits attributable to lost kegs, we periodically use internal records, A-B records, other third-party records, and historical information to estimate the physical count of kegs held by wholesalers and A-B.

These estimates affect the amount recorded as brewery equipment and refundable deposits as of the date of the consolidated financial statements. The actual liability for refundable deposits could differ from estimates.

Revenue Recognition

We recognize revenue from product sales, net of excise taxes, discounts and certain fees we must pay in connection with sales to a member of the A-B wholesale distributor network, when the products are delivered to the member. A member of the A-B wholesale distributor network may be a branch of A-B or an independent wholesale distributor.

We recognize revenue on contract brewing sales when the product is shipped to our contract brewing customer.

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We recognize revenue on retail sales at the time of sale and we recognize revenue from events at the time of the event.

We recognize revenue related to non-refundable payments to be received on specified dates throughout a contract term on a straight-line basis over the life of the related contract or contracts.

Deferred Taxes

Deferred tax assets arise from the tax benefit of amounts expensed for financial reporting purposes but not yet deducted for tax purposes and from unutilized tax credits and net operating loss carry forwards. We evaluate our deferred tax assets on a regular basis to determine if a valuation allowance is required. To the extent it is determined the recoverability of the deferred tax assets is not more likely than not, we will record a valuation allowance against deferred tax assets. If we are unable to generate adequate taxable income in future periods or our assessment that it is more likely than not that certain deferred tax assets will be realized is otherwise not accurate, we may incur charges in future periods to record a valuation allowance on our gross deferred tax assets.

Off-Balance Sheet Arrangements

We do not have any off-balance sheet arrangements that have or are reasonably likely to have a material current or future effect on our financial condition, changes in financial condition, revenue or expenses, results of operations, liquidity, capital expenditures or capital resources.

Recent Accounting Pronouncements

See Note 3 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this report.

Item 7A. Quantitative and Qualitative Disclosures about Market Risk

Interest Rate Risk

We have assessed our vulnerability to certain market risks, including interest rate risk associated with financial instruments included in Cash and cash equivalents and Long-term debt. To mitigate this risk, on January 23, 2014, we entered into an \$8.0 million notional amount interest rate swap agreement, which expires September 30, 2023, to hedge the variability of interest payments associated with our variable-rate borrowings on our term loan. On November 25, 2015, we entered into a \$9.1 million notional amount interest rate swap agreement effective January 4, 2016, which was set to expire January 1, 2019, to hedge the variability of interest payments associated with our variable-rate borrowings on our line of credit. This swap agreement was terminated effective January 18, 2018 as we paid off our line of credit, and we received interest of \$27,000. The notional amount fluctuates based on a predefined schedule based on our anticipated borrowings. Since the interest rate swap hedges the variability of interest payments on variable rate debt with similar terms, it qualifies for cash flow hedge accounting treatment. The interest rate swap hedges 75% of our total term loan outstanding and reduces our overall interest rate risk. As of December 31, 2018, we had unhedged variable-rate debt outstanding of \$2.2 million on our term loan and \$37.1 million on our line of credit. A 10% increase or decrease in the interest rate on our variable-rate debt would not have a material effect on our financial position, results of operations or cash flows.

Due to the nature of our highly liquid Cash and cash equivalents, an increase or decrease in interest rates would not materially affect the fair value of our cash or the related interest income.

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Item 8. Financial Statements and Supplementary Data

Unaudited quarterly financial data for each of the eight quarters in the two-year period ended December 31, 2018 is as follows:

2018 (In thousands, except per share data)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Net sales	\$47,487	\$61,823	\$52,889	\$43,987
Cost of sales	32,416	39,696	36,190	29,561
Gross profit	15,071	22,127	16,699	14,426
Selling, general and administrative expenses ⁽¹⁾	14,748	15,857	16,712	15,255
Operating income (loss)	323	6,270	(13)	(829)
Interest expense and Other expense, net	(100)	(86)	(120)	(16)
Income (loss) before income taxes	223	6,184	(133)	(845)
Income tax provision (benefit)	62	1,732	(194)	(313)
Net income (loss)	\$161	\$4,452	\$61	\$(532)
Basic and diluted net income (loss) per share ⁽⁵⁾	\$0.01	\$0.23	\$—	\$(0.03)
Shares used in basic per share calculation	19,310	19,334	19,370	19,382
Shares used in diluted per share calculation	19,488	19,517	19,545	19,382
2017 (In thousands, except per share data)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter ⁽⁵⁾
Net sales ⁽²⁾	\$44,302	\$60,550	\$56,638	\$45,966
Cost of sales	31,633	42,221	37,254	31,090
Gross profit	12,669	18,329	19,384	14,876
Selling, general and administrative expenses ⁽³⁾	15,469	15,560	16,328	13,106
Operating income (loss)	(2,800)	2,769	3,056	1,770
Interest expense and Other expense, net	(178)	(163)	(238)	(175)
Income (loss) before income taxes	(2,978)	2,606	2,818	1,595
Income tax provision (benefit) ⁽⁴⁾	(1,191)	882	1,067	(6,240)
Net income (loss)	\$(1,787)	\$1,724	\$1,751	\$7,835
Income (loss) per share: ⁽⁵⁾				
Basic	\$(0.09)	\$0.09	\$0.09	\$0.41
Diluted	\$(0.09)	\$0.09	\$0.09	\$0.40
Shares used in basic per share calculation	19,261	19,278	19,296	19,302
Shares used in diluted per share calculation	19,261	19,389	19,443	19,507

(1) Selling, general and administrative expenses in the first quarter of 2018 includes a gain of \$0.5 million related to the sale of the Woodinville brewing and bottling equipment.

(2) Net sales in the first quarter of 2017 includes a \$1.6 million fee, and the fourth quarter of 2017 includes a \$1.7 million fee, from Pabst, related to the termination of the brewing agreements.

(3) Selling, general and administrative expenses in the fourth quarter of 2017 includes the benefit of \$1.0 million fee from Pabst, related to the termination of a purchase option agreement, as well as a \$0.5 million impairment charge related to the sale of our Woodinville brewery.

(4) Income tax benefit in the fourth quarter of 2017 includes a \$6.9 million benefit related to the effect on our deferred tax assets and liabilities of a change in Federal income tax rates from 34% to 21%.

(5) Basic and diluted net income (loss) per share may not sum to the full year as presented on the Consolidated Statements of Operations due to rounding.

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Shareholders and the Board of Directors of
Craft Brew Alliance, Inc.

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Craft Brew Alliance, Inc. (the “Company”) as of December 31, 2018 and 2017, the related consolidated statements of operations, comprehensive income (loss), shareholders’ equity, and cash flows for each of the three years in the period ended December 31, 2018, and the related notes (collectively referred to as the “consolidated financial statements”). In our opinion, the consolidated financial statements present fairly, in all material respects, the consolidated financial position of the Company as of December 31, 2018 and 2017, and the consolidated results of its operations and its cash flows for each of the three years in the period ended December 31, 2018, in conformity with accounting principles generally accepted in the United States of America.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (“PCAOB”), the Company’s internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission and our report dated March 6, 2019 expressed an unqualified opinion on the Company’s internal control over financial reporting.

Change in Accounting Principle

As discussed in Note 12 to the consolidated financial statements, in 2018 the Company changed its method of accounting for revenue recognition due to the adoption of Accounting Standards Codification Topic No. 606.

Basis for Opinion

These consolidated financial statements are the responsibility of the Company’s management. Our responsibility is to express an opinion on the Company’s consolidated financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures to respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audits provide a reasonable basis for our opinion.

/s/ Moss Adams LLP

Portland, Oregon
March 6, 2019

We have served as the Company's auditor since 2004.

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CRAFT BREW ALLIANCE, INC.
CONSOLIDATED BALANCE SHEETS
(Dollars in thousands, except share amounts)

	December 31,	
	2018	2017
Assets		
Current assets:		
Cash, cash equivalents and restricted cash	\$1,200	\$579
Accounts receivable, net	29,998	27,784
Inventory, net	17,216	13,844
Assets held for sale	—	22,946
Other current assets	3,121	4,335
Total current assets	51,535	69,488
Property, equipment and leasehold improvements, net	113,189	106,283
Goodwill	21,986	12,917
Trademarks	44,289	14,429
Intangible, equity method investment and other assets, net	5,048	6,520
Total assets	\$236,047	\$209,637
Liabilities and Shareholders' Equity		
Current liabilities:		
Accounts payable	\$17,552	\$14,338
Accrued salaries, wages and payroll taxes	5,635	5,877
Refundable deposits	4,123	4,816
Deferred revenue	6,015	3,385
Other accrued expenses	3,618	2,368
Current portion of long-term debt and capital lease obligations	919	699
Total current liabilities	37,862	31,483
Long-term debt and capital lease obligations, net of current portion	46,573	32,599
Fair value of derivative financial instruments	116	221
Deferred income tax liability, net	12,381	12,886
Other liabilities	2,680	1,657
Total liabilities	99,612	78,846
Commitments and contingencies (Note 18)		
Common shareholders' equity:		
Common stock, \$0.005 par value. Authorized 50,000,000 shares; issued and outstanding 19,382,641 and 19,309,829	97	96
Additional paid-in capital	144,013	142,196
Accumulated other comprehensive loss	(86) (164
Accumulated deficit	(7,589) (11,337
Total common shareholders' equity	136,435	130,791
Total liabilities and common shareholders' equity	\$236,047	\$209,637

The accompanying notes are an integral part of these financial statements.

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CRAFT BREW ALLIANCE, INC.
 CONSOLIDATED STATEMENTS OF OPERATIONS
 (In thousands, except per share amounts)

	Year Ended December 31,		
	2018	2017	2016
Sales	\$217,269	\$219,547	\$215,627
Less excise taxes	11,083	12,091	13,120
Net sales	206,186	207,456	202,507
Cost of sales	137,863	142,198	142,908
Gross profit	68,323	65,258	59,599
Selling, general and administrative expenses	62,572	60,463	59,224
Operating income	5,751	4,795	375
Interest expense	(614)	(715)	(709)
Other income (expense), net	292	(39)	28
Income (loss) before income taxes	5,429	4,041	(306)
Income tax provision (benefit)	1,287	(5,482)	14
Net income (loss)	\$4,142	\$9,523	\$(320)
Basic and diluted net income (loss) per share	\$0.21	\$0.49	\$(0.02)
Shares used in basic per share calculations	19,349	19,284	19,225
Shares used in diluted per share calculations	19,557	19,447	19,225

The accompanying notes are an integral part of these financial statements.

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CRAFT BREW ALLIANCE, INC.
 CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)
 (In thousands)

	Year Ended December		
	31,		
	2018	2017	2016
Net income (loss)	\$4,142	\$9,523	\$(320)
Unrealized gain on derivative hedge transactions, net of tax	78	98	90
Comprehensive income (loss)	\$4,220	\$9,621	\$(230)

The accompanying notes are an integral part of these financial statements.

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CRAFT BREW ALLIANCE, INC.
CONSOLIDATED STATEMENTS OF COMMON SHAREHOLDERS' EQUITY
(In thousands)

	Common Stock Shares	Par Value	Additional Paid-In Capital	Accumulated Other Comprehensive Loss	Accumulated Deficit	Total Common Shareholders' Equity
Balance at December 31, 2015	19,179	\$ 96	\$ 139,534	\$ (352)	\$ (20,540)	\$ 118,738
Issuance of shares under stock plans, net of shares withheld for tax payments	20	—	172	—	—	172
Stock-based compensation, net of shares withheld for tax payments	62	—	1,087	—	—	1,087
Tax benefit related to stock options	—	—	—	—	—	—
Unrealized gains on derivative financial instruments, net of tax benefit of \$55	—	—	—	90	—	90
Tax payments related to stock-based awards	—	—	(106)	—	—	(106)
Net loss	—	—	—	—	(320)	(320)
Balance at December 31, 2016	19,261	96	140,687	(262)	(20,860)	119,661
Issuance of shares under stock plans, net of shares withheld for tax payments	25	—	219	—	—	219
Stock-based compensation, net of shares withheld for tax payments	24	—	1,317	—	—	1,317
Unrealized gains on derivative financial instruments, net of tax of \$105	—	—	—	98	—	98
Tax payments related to stock-based awards	—	—	(27)	—	—	(27)
Net income	—	—	—	—	9,523	9,523
Balance at December 31, 2017	19,310	96	142,196	(164)	(11,337)	130,791
Adoption of accounting standards (see Note 12)	—	—	—	—	(394)	(394)
Issuance of shares under stock plans, net of shares withheld for tax payments	42	0.3	427	—	—	427
Stock-based compensation, net of shares withheld for tax payments	31	0.2	1,482	—	—	1,482
Unrealized gains on derivative financial instruments, net of tax of \$27	—	—	—	78	—	78
Tax payments related to stock-based awards	—	—	(92)	—	—	(92)
Net income	—	—	—	—	4,142	4,142
Balance at December 31, 2018	19,383	\$ 97	\$ 144,013	\$ (86)	\$ (7,589)	\$ 136,435

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CRAFT BREW ALLIANCE, INC.
CONSOLIDATED STATEMENTS OF CASH FLOWS
(In thousands)

	Year Ended December 31,		
	2018	2017	2016
Cash flows from operating activities:			
Net income (loss)	\$4,142	\$9,523	\$(320)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:			
Depreciation and amortization	10,612	10,457	10,862
(Gain) loss on sale or disposal of Property, equipment and leasehold improvements	(567)	428	96
Deferred income taxes	(506)	(5,400)	360
Stock-based compensation	1,484	1,316	1,087
Impairment of assets held for sale	—	493	—
Other	503	539	654
Changes in operating assets and liabilities:			
Accounts receivable, net	(2,770)	(3,776)	(5,082)
Inventories	(2,728)	5,500	(1,614)
Other current assets	466	(1,840)	(55)
Accounts payable, deferred revenue and other accrued expenses	3,488	277	1,515
Accrued salaries, wages and payroll taxes	(266)	910	(501)
Refundable deposits	(617)	(1,649)	442
Net cash provided by operating activities	13,241	16,778	7,444
Cash flows from investing activities:			
Expenditures for Property, equipment and leasehold improvements	(12,769)	(18,342)	(15,722)
Proceeds from sale of Property, equipment and leasehold improvements	23,017	95	75
Restricted cash from sale of Property, equipment and leasehold improvements	515	—	—
Business combinations and asset acquisitions	(37,887)	—	—
Expenditures for long-term deposits	—	—	(925)
Equity method investment	—	(2,101)	—
Net cash used in investing activities	(27,124)	(20,348)	(16,572)
Cash flows from financing activities:			
Principal payments on debt and capital lease obligations	(724)	(709)	(605)
Net borrowings under revolving line of credit	14,893	4,224	9,198
Proceeds from issuances of common stock	427	219	172
Tax payments related to stock-based awards	(92)	(27)	(106)
Net cash provided by financing activities	14,504	3,707	8,659
Increase (decrease) in Cash, cash equivalents and restricted cash	621	137	(469)
Cash, cash equivalents and restricted cash:			
Beginning of period	579	442	911
End of period	\$1,200	\$579	\$442
Supplemental disclosure of cash flow information:			
Cash paid for interest	\$576	\$716	\$667
Cash paid for income taxes, net	1,078	1,158	587
Supplemental disclosure of non-cash information:			
Purchases of Property, equipment and leasehold improvements with capital leases	\$—	\$521	\$1,173
Purchases of Property, equipment and leasehold improvements included in Accounts payable at end of period	3,061	519	889

The accompanying notes are an integral part of these financial statements.

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Note 1. Nature of Operations

Overview

Craft Brew Alliance, Inc. ("CBA") is the seventh largest craft brewing company in the U.S. and a leader in brewing, branding, and bringing to market world-class American craft beers.

Our distinctive portfolio combines the power of Kona Brewing Co., one of the top craft beer brands in the world, with strong regional breweries and innovative lifestyle brands, including Appalachian Mountain Brewery, Cisco Brewers, Omission Brewing Co., Redhook Brewery, Square Mile Cider Co., Widmer Brothers Brewing, and Wynwood Brewing Co. We nurture the growth and development of our brands in today's increasingly competitive beer market through our state-of-the-art brewing and distribution capability, integrated sales and marketing infrastructure, and strong focus on innovation, local community and sustainability.

CBA was formed in 2008 through the merger of Redhook Brewery and Widmer Brothers Brewing, the two largest craft brewing pioneers in the Northwest at the time. Following a successful strategic brewing and distribution partnership, Kona Brewing Co. joined CBA in 2010. As part of CBA, Kona has expanded its reach across all 50 U.S. states and approximately 30 international markets, while remaining deeply rooted in its home of Hawaii.

As consumers increasingly seek more variety and more local offerings, Craft Brew Alliance has expanded its portfolio and home markets with strong regional craft beer brands in targeted markets. In 2015 and 2016, we formed strategic partnerships with Appalachian Mountain Brewery, based in Boone, North Carolina; Cisco Brewers, based in Nantucket, Massachusetts; and Wynwood Brewing Co., based in the heart of Miami's vibrant multicultural arts district. Building on the success of these partnerships, we acquired all three brands in the fourth quarter of 2018, fundamentally transforming our footprint and paving the way to increase our investments in their growth and drive shareholder value.

Publicly traded on NASDAQ under the ticker symbol BREW, Craft Brew Alliance is headquartered in Portland, Oregon and operates breweries and brewpubs across the U.S.

We proudly brew and package our craft beers in three company-owned production breweries located in Portland, Oregon; Portsmouth, New Hampshire; and Kailua-Kona, Hawaii. In 2018, we continued to leverage our contract brewing agreement with A-B Commercial Strategies, LLC ("ABCS"), an affiliate of Anheuser-Busch, LLC ("A-B"), through which we brew select CBA brands in A-B's Fort Collins, Colorado brewery. Additionally, we own and operate five innovation breweries in Portland, Oregon; Seattle, Washington; Portsmouth, New Hampshire; Boone North Carolina; and Miami, Florida, which are primarily used for small-batch production and limited-release beers offered primarily in our brewpubs and brands' home markets.

We distribute our beers to retailers through wholesalers that are aligned with the A-B network. These sales are made pursuant to a Master Distributor Agreement (the "A-B Distributor Agreement") with A-B, which extends through 2028. As a result of this distribution arrangement, we believe that, under alcohol beverage laws in a majority of states, these wholesalers would own the exclusive right to distribute our beers in their respective markets if the A-B Distributor Agreement expires or is terminated. As competition puts increasing pressure on craft brands outside of their home markets, we are continuing our efforts to stabilize and strengthen Widmer Brothers and Redhook in the Pacific Northwest, while expanding distribution of Appalachian Mountain Brewery, Cisco Brewers, and Wynwood Brewing Co. across their respective home markets of North Carolina, New England, and South Miami.

Separate from our A-B wholesalers, we maintain an internal independent sales and marketing organization with resources across the key functions of brand management, field marketing, field sales, and national retail sales.

We operate in two segments: Beer Related operations and Brewpubs operations. Beer Related operations include the brewing, and domestic and international sales, of craft beers and ciders from our breweries. Brewpubs operations include our seven brewpubs, six of which are located adjacent to our Beer Related operations, other merchandise sales, and sales of our beers directly to customers.

Basis of Presentation

The consolidated financial statements include the accounts of Craft Brew Alliance, Inc. and our wholly owned subsidiaries. All intercompany transactions and balances are eliminated in consolidation.

Reclassifications

Certain reclassifications have been made to the prior year's data to conform to the current year's presentation. None of the changes affect our previously reported consolidated Net sales, Gross profit, Operating income, Net income or Basic or diluted net income per share.

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Note 2. Significant Accounting Policies

Cash, Cash Equivalents and Restricted Cash

We maintain cash balances with financial institutions that may exceed federally insured limits. We consider all highly liquid investments with an original maturity of three months or less to be cash equivalents. As of December 31, 2018 and 2017, we did not have any cash equivalents.

Under our cash management system, we utilize a controlled disbursement account to fund cash distribution checks presented for payment by the holder. Checks issued but not yet presented to banks may result in overdraft balances for accounting purposes. As of December 31, 2018 there were \$0.6 million of bank overdrafts. As of December 31, 2017 there were no bank overdrafts. Changes in bank overdrafts from period to period are reported in the Consolidated Statements of Cash Flows as a component of operating activities within Accounts payable and Other accrued expenses.

Cash and cash equivalents that are restricted as to withdrawal or use under terms of certain contractual agreements are recorded in Cash, cash equivalents and restricted cash on our Consolidated Balance Sheets. Restricted cash of \$0.5 million at December 31, 2018 represents funds held in an escrow account from the sale of our Woodinville brewery related to a lien; we expect that the lien will be resolved in our favor and the restriction will be removed. We did not have any restricted cash at December 31, 2017.

Accounts Receivable

Accounts receivable primarily consists of trade receivables due from wholesalers and A-B for beer and promotional product sales. Because of state liquor laws and each wholesaler's agreement with A-B, we do not have collectability issues related to the sale of our beer products. Accordingly, we do not regularly provide an allowance for doubtful accounts for beer sales. We have provided an allowance for promotional merchandise receivables that have been invoiced to the wholesaler, which reflects our best estimate of probable losses inherent in the accounts. We determine the allowance based on historical customer experience and other currently available evidence. When a specific account is deemed uncollectible, the account is written off against the allowance. The allowance for doubtful accounts was \$25,000 at both December 31, 2018 and 2017.

Activity related to our allowance for doubtful accounts was immaterial in 2018, 2017 and 2016.

Inventories

Inventories, except for pub food, beverages and supplies, are stated at the lower of standard cost or net realizable value. Pub food, beverages and supplies are stated at the lower of cost or net realizable value.

We regularly review our inventories for the presence of obsolete product attributed to age, seasonality and quality. If our review indicates a reduction in utility below the product's carrying value, we reduce the product to a new cost basis. We record the cost of inventory for which we estimate we have more than a twelve-month supply as a component of Intangible and other assets on our Consolidated Balance Sheets.

Property, Equipment and Leasehold Improvements

Property, equipment and leasehold improvements are stated at cost, less accumulated depreciation and accumulated amortization. Expenditures for repairs and maintenance are expensed as incurred; renewals and betterments are capitalized. Upon disposal of equipment and leasehold improvements, the accounts are relieved of the costs and related accumulated depreciation or amortization, and resulting gains or losses are reflected in our Consolidated Statements of Operations.

Depreciation and amortization of property, equipment and leasehold improvements is provided on the straight-line method over the following estimated useful lives:

Buildings	30 – 50 years
Brewery equipment	10 – 25 years
Furniture, fixtures and other equipment	2 – 10 years
Vehicles	5 years
Leasehold improvements	The lesser of useful life or term of the lease

Valuation of Long-Lived Assets

We evaluate potential impairment of long-lived assets when facts and circumstances indicate that the carrying values of such assets may be impaired. An evaluation of recoverability is performed by comparing the carrying value of the assets to projected future undiscounted cash flows. Upon indication that the carrying value of such assets may not be recoverable, we recognize an impairment loss in the current period in our Consolidated Statements of Operations.

During 2017, a \$0.5 million impairment charge was

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recorded as a component of Selling, general and administrative expenses related to the sale of our Woodinville brewery. There were no impairments recorded during 2018 or 2016.

Definite-lived intangible assets are amortized using a straight line basis of accounting. Definite-lived intangible assets and their respective estimated lives are as follows:

Distributor agreements 15 years

Non-compete agreements 2 years

Goodwill

Goodwill is not amortized but rather is reviewed for impairment at least annually, or more frequently if an event occurs or circumstances change that indicate that the carrying value may not be recoverable. We first make a qualitative assessment of whether it is more likely than not that a reporting unit's fair value is less than its carrying amount before applying the two-step goodwill impairment test. If the conclusion is that it is more likely than not that the fair value of a reporting unit is less than its carrying amount, we then perform a two-step goodwill impairment test. Under the first step, the fair value of the reporting unit is compared to its carrying value, and, if an indication of goodwill impairment exists in the reporting unit, the second step of the impairment test is performed to measure the amount of any impairment loss. Under step two, an impairment loss is recognized for any excess of the carrying amount of the reporting unit's goodwill as determined by allocating the fair value of the reporting unit in a manner similar to a purchase price allocation. The residual fair value after this allocation is the implied fair value of the reporting unit goodwill. If the fair value of the reporting unit exceeds its carrying value, step two does not need to be performed. We conduct our annual impairment test as of December 31 of each year and have determined there to be no impairment for any of the periods presented.

Indefinite-Lived Intangible Assets

Indefinite-lived intangible assets consist primarily of trademarks, domain name and recipes. We evaluate the recoverability of indefinite-lived intangible assets annually, or more frequently if events or changes in circumstances indicate that the asset might be impaired, by comparing the carrying amount of the asset to its estimated fair value measured by using discounted cash flows that the asset is expected to generate. We have determined there to be no impairment for any of the periods presented.

Refundable Deposits on Kegs

We distribute our draft beer in kegs that are owned by us and are reflected in our Consolidated Balance Sheets at cost and are depreciated over the estimated useful life of the keg. When draft beer is shipped to the wholesaler, we collect a refundable deposit, presented as a current liability, Refundable deposits, in our Consolidated Balance Sheets. Upon return of the keg to us, the deposit is refunded to the wholesaler.

We have experienced some loss of kegs and anticipate that some loss will occur in future periods due to the significant volume of kegs handled by each wholesaler and retailer, the homogeneous nature of kegs owned by most brewers, and the relatively small deposit collected for each keg when compared with its market value. In order to estimate forfeited deposits attributable to lost kegs, we periodically use internal records, records maintained by A-B, records maintained by other third party vendors and historical information to estimate the physical count of kegs held by wholesalers and A-B. These estimates affect the amount recorded as equipment and refundable deposits as of the date of the consolidated financial statements. The actual liability for refundable deposits may differ from estimates. Our Consolidated Balance Sheets included \$3.9 million and \$4.5 million at December 31, 2018 and 2017, respectively, in Refundable deposits on kegs and \$9.2 million and \$10.0 million, respectively, in keg equipment, net of accumulated depreciation, included as a component of Property, equipment and leasehold improvements, net.

Concentrations of Risk

Financial instruments that potentially subject us to credit risk consist principally of Accounts receivable. While wholesalers and A-B account for substantially all Accounts receivable, this concentration risk is limited due to the number of wholesalers, their geographic dispersion and state laws regulating the financial affairs of wholesalers of alcoholic beverages.

Comprehensive Income (Loss)

Comprehensive income (loss) includes changes in the fair value of interest rate derivatives that are designated as cash flow hedges.

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Revenue Recognition

We recognize revenue from product sales, net of excise taxes, discounts and certain fees we must pay in connection with sales to a member of the A-B wholesale distributor network, when the products are delivered to the member. A member of the A-B wholesale distributor network may be a branch of A-B or an independent wholesale distributor.

We recognize revenue on contract brewing sales when the product is shipped to our contract brewing customer.

We recognize revenue on retail sales at the time of sale and we recognize revenue from events at the time of the event.

We recognize revenue related to non-refundable payments to be received on specified dates throughout a contract term on a straight-line basis over the life of the related contract or contracts.

See Note 12 for additional information.

Excise Taxes

The federal government levies excise taxes on the sale of alcoholic beverages, including beer. For brewers producing less than two million barrels of beer per calendar year, the federal excise tax until December 31, 2017, was \$7.00 per barrel on the first 60,000 barrels of beer removed for consumption or sale during the calendar year, and \$18.00 per barrel for each barrel in excess of 60,000 barrels. Beginning January 1, 2018, as a result of the Tax Cuts and Jobs Act ("TCJA"), our federal excise tax rate on beer decreased from \$7.00 per barrel to \$3.50 per barrel on the first 60,000 barrels of beer removed for consumption or sale during the calendar year, and from \$18.00 per barrel to \$16.00 per barrel for each barrel in excess of 60,000 barrels. These lower rates currently expire at the end of 2019. Individual states also impose excise taxes on alcoholic beverages in varying amounts. As presented in our Consolidated Statements of Operations, Sales reflects the amounts invoiced to A-B, wholesalers and other customers. Excise taxes due to federal and state agencies are not collected from our customers, but rather are our responsibility. Net sales, as presented in our Consolidated Statements of Operations, are reduced by applicable federal and state excise taxes.

Taxes Collected from Customers and Remitted to Governmental Authorities

We account for tax assessed by a governmental authority that is directly imposed on a revenue-producing transaction (i.e., sales, use, value added) on a net (reduction of revenue) basis.

Shipping and Handling Costs

Costs incurred to ship our product are included in Cost of sales in our Consolidated Statements of Operations.

Advertising Expenses

Advertising costs, consisting of television, radio, print, outdoor advertising, on-line and social media, sponsorships, trade events, promotions and printed product information, as well as costs to produce these media, are expensed as incurred. The costs associated with point of sale display items and related promotional merchandise are inventoried and charged to expense when first used. For the years ended December 31, 2018, 2017 and 2016, we recognized costs for all of these activities totaling \$16.9 million, \$14.8 million and \$14.6 million, respectively, which are reflected as Selling, general and administrative expenses in our Consolidated Statements of Operations.

Advertising expenses frequently involve the local wholesaler sharing in the cost of the program. Reimbursements from wholesalers for advertising and promotion activities are recorded as a reduction to Selling, general and administrative expenses in our Consolidated Statements of Operations. Pricing discounts to wholesalers are recorded as a reduction of Sales in our Consolidated Statements of Operations.

Stock-Based Compensation

The fair value of restricted stock unit awards is determined based on the number of units granted and the quoted price of our common stock on the date of grant. The fair value of stock option awards is estimated at the grant date as calculated by the Black-Scholes-Merton (“BSM”) option-pricing model. The BSM model requires various judgmental assumptions including expected volatility and option life.

The estimated fair value of stock-based awards is recognized as compensation expense over the vesting period of the award, net of estimated forfeitures. We estimate forfeitures of stock-based awards based on historical experience and expected future activity.

The estimated fair value of performance-based stock awards is recognized over the service period based on an assessment of the probability that performance goals will be met. We re-measure the probability of achieving the performance goals during each reporting period. In future reporting periods, if we determine that performance goals are not probable of occurrence, no additional compensation expense would be recognized and any previously recognized compensation expense would be reversed.

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Legal Costs

We are a party to legal proceedings arising in the normal course of business. We accrue for certain legal costs, including attorney fees, as well as potential settlement amounts and other losses related to various legal proceedings that are estimable and probable. If not estimable and probable, legal costs are expensed as incurred as a component of Selling, general and administrative expenses.

Income Taxes

Deferred income taxes are established for the difference between the financial reporting and income tax basis of assets and liabilities as well as operating loss and tax credit carryforwards. Deferred tax assets are reduced by a valuation allowance when, in the opinion of management, it is more likely than not that some portion of the deferred tax assets will not be realized. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred taxes of a change in tax rates is recognized in income in the period that includes the enactment date.

We recognize the benefits of tax return positions when it is determined that the positions are “more-likely-than-not” to be sustained by the taxing authority. Interest and penalties accrued on unrecognized tax benefits are recorded as tax expense in the period incurred. At December 31, 2018 and 2017, we did not have any unrecognized tax benefits or any interest and penalties accrued on unrecognized tax benefits.

In the fourth quarter of 2017, we recognized the impact of the TCJA, which reduced our federal tax rate from 34% to 21% effective January 1, 2018. This reduction resulted in a \$6.9 million decrease to our deferred tax liability, which was recognized as a reduction to our income tax provision in the fourth quarter of 2017, the period of enactment. Our accounting for the income tax effects of the TCJA is complete, and we do not anticipate adjustments to such accounting in future periods.

Segment Information

Our chief operating decision maker monitors Net sales and gross margins of our Beer Related operations and our Brewpubs operations. Beer Related operations include the brewing operations and related domestic and international sales of our beer and cider brands. Brewpubs operations primarily include our brewpubs, some of which are located adjacent to our Beer Related operations. We do not track operating results beyond the gross margin level or our assets on a segment level.

Earnings per Share

Basic earnings per share is computed on the basis of the weighted average number of shares that were outstanding during the period. Diluted earnings per share include the dilutive effect of common share equivalents calculated under the treasury stock method. Performance-based restricted stock grants are included in basic and diluted earnings per share when the underlying performance metrics have been met.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. We base our estimates on historical experience and on various assumptions that are believed to be reasonable under the circumstances at the time. Actual results could differ from those estimates under different assumptions or conditions.

Note 3. Recent Accounting Pronouncements

ASU 2018-15

In August 2018, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2018-15, "Intangibles—Goodwill and Other—Internal-Use Software (Subtopic 350-40): Customer's Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is a Service Contract." ASU 2018-15 aligns the requirements for capitalizing implementation costs incurred in a hosting arrangement that is a service contract with the requirements for capitalizing implementation costs incurred to develop or obtain internal-use software. ASU 2018-15 is effective for fiscal years, including interim periods within those fiscal years, beginning after December 15, 2019, with early adoption permitted. We are still evaluating the effect of the adoption of ASU 2018-15.

ASU 2018-13

In August 2018, the FASB issued ASU 2018-13, "Fair Value Measurement (Topic 820): Disclosure Framework—Changes to the Disclosure Requirements for Fair Value Measurement." ASU 2018-13 removes, modifies and adds certain disclosure requirements on fair value measurements. ASU 2018-13 is effective for fiscal years, including interim periods within those fiscal years, beginning after December 15, 2019, with early adoption permitted. We are still evaluating the effect of the adoption of ASU 2018-13.

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ASU 2018-02

In February 2018, the FASB issued ASU 2018-02, "Income Statement - Reporting Comprehensive Income (Topic 220): Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income." ASU 2018-02 allows entities to reclassify accumulated other comprehensive income to retained earnings for stranded tax effects resulting from the TCJA. This update is effective for interim and annual reporting periods beginning after December 15, 2018, with early adoption permitted. The update should be applied either in the period of adoption or retrospectively to each period (or periods) in which the effect of the income tax rate change resulting from the TCJA is recognized. The early adoption of ASU 2018-02 on January 1, 2018 did not have a material effect on our financial position, results of operations or cash flows.

ASU 2017-09

In May 2017, the FASB issued ASU 2017-09, "Compensation - Stock Compensation (Topic 718) - Scope of Modification Accounting." ASU 2017-09 provides clarity and is expected to reduce both diversity in practice and the cost and complexity when accounting for a change to the terms of a stock-based award. ASU 2017-09 is effective for fiscal years, including interim periods within those fiscal years, beginning after December 15, 2017, on a prospective basis. The adoption of ASU 2017-09 on January 1, 2018 did not have a material effect on our financial position, results of operations or cash flows.

ASU 2017-04

In January 2017, the FASB issued ASU 2017-04, "Intangibles - Goodwill and Other (Topic 350) - Simplifying the Test for Goodwill Impairment." ASU 2017-04 simplifies the subsequent measurement of goodwill by eliminating Step 2 from the goodwill impairment test. An entity should perform its annual, or interim, goodwill impairment test by comparing the fair value of a reporting unit with its carrying amount, and recognize an impairment charge for the amount by which the carrying amount exceeds the reporting unit's fair value, if applicable. The loss recognized should not exceed the total amount of goodwill allocated to the reporting unit. The same impairment test also applies to any reporting unit with a zero or negative carrying amount. An entity still has the option to perform the qualitative assessment for a reporting unit to determine if the quantitative impairment test is necessary. ASU 2017-04 is effective for fiscal years, including interim periods within those fiscal years, beginning after December 15, 2019, on a prospective basis. Early adoption is permitted for interim or annual goodwill impairment tests performed after January 1, 2017. We do not expect the adoption of ASU 2017-04 to have a material effect on our financial position, results of operations or cash flows.

ASU 2016-18

In August 2016, the FASB issued ASU 2016-18, "Statement of Cash Flows (Topic 230) - Restricted Cash." ASU 2016-18 reduces the diversity in practice in the classification and the presentation of restricted cash within an entity's statement of cash flows. ASU 2016-18 is effective for annual periods beginning after December 15, 2017, and interim periods within those annual periods, with early adoption permitted. The adoption of ASU 2016-18 on January 1, 2018 did not have a material effect on our financial position, results of operations or cash flows.

ASU 2016-15

In August 2016, the FASB issued ASU 2016-15, "Statement of Cash Flows (Topic 230) - Classification of Certain Cash Receipts and Cash Payments." ASU 2016-15 addresses eight specific cash flow issues and how they should be reported on the statement of cash flows. ASU 2016-15 is effective for annual periods beginning after December 15, 2017, and interim periods within those annual periods, with early adoption permitted. The adoption of ASU 2016-15 on January 1, 2018 did not have a material effect on our financial position, results of operations or cash flows.

ASU 2016-13

In June 2016, the FASB issued ASU 2016-13, "Financial Instruments - Credit Losses (Topic 326)." ASU 2016-13 addresses accounting for credit losses for assets that are not measured at fair value through net income on a recurring basis. ASU 2016-13 is effective for annual periods beginning after December 15, 2019, and interim periods within those annual periods, with early adoption permitted for fiscal years beginning after December 15, 2018. We do not expect the adoption of ASU 2016-13 to have a material effect on our financial position, results of operations or cash flows.

ASU 2016-02, ASU2018-10 and ASU 2018-11

In February 2016, the FASB issued ASU 2016-02, "Leases." ASU 2016-02 increases transparency and comparability among organizations by recognizing lease assets and lease liabilities on the balance sheet and requires disclosing key information about leasing arrangements. ASU 2016-02 is effective for annual periods beginning after December 15, 2018, and interim periods within those annual periods. We are currently evaluating the potential impact of the adoption of ASU 2016-02 on our consolidated financial statements. We currently expect the adoption of this standard to result in a material increase to the assets and liabilities on our consolidated balance sheets.

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In July 2018, the FASB issued ASU 2018-10, "Codification Improvements to Topic 842, Leases." ASU 2018-10 provides narrow amendments that clarify how to apply certain aspects of the guidance in ASU 2016-02. ASU 2018-10 is effective for annual periods beginning after December 15, 2018, and interim periods within those annual periods. We are still evaluating the effect of the adoption of ASU 2018-10.

In July 2018, the FASB issued ASU 2018-11, "Leases (Topic 842): Targeted Improvements." ASU 2018-11 provides an optional transition method, that allows entities to initially apply the new leases standard at the adoption date and recognize a cumulative-effect adjustment to the opening balance of retained earnings in the period of adoption. ASU 2018-11 is effective for annual periods beginning after December 15, 2018, and interim periods within those annual periods. We are still evaluating the effect of the adoption of ASU 2018-11.

ASU 2016-01

In January 2016, the FASB issued ASU 2016-01, "Financial Instruments - Overall (Subtopic 825-10)." ASU 2016-01 enhances the reporting model for financial instruments to provide users of financial statements with more decision-useful information by addressing certain aspects of recognition, measurement, presentation and disclosure of financial instruments. The amendments simplify certain requirements and also reduce diversity in current practice for other requirements. ASU 2016-01 is effective for public companies for fiscal years beginning after December 15, 2017, including interim periods within those fiscal years. The adoption of ASU 2016-01 on January 1, 2018 did not have a material effect on our financial position, results of operations or cash flows.

ASU 2014-09, ASU 2016-10 and ASU 2016-12

In May 2014, the FASB issued ASU 2014-09, "Revenue from Contracts with Customers (Topic 606)." ASU 2014-09, as amended, affects any entity using U.S. GAAP that either enters into contracts with customers to transfer goods or services or enters into contracts for the transfer of nonfinancial assets unless those contracts are within the scope of other standards (e.g., insurance contracts or lease contracts). ASU 2014-09, as amended, is effective for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2017.

In April 2016, the FASB issued ASU 2016-10, "Revenue from Contracts with Customers (Topic 606) - Identifying Performance Obligations and Licensing." ASU 2016-10 clarifies aspects of Topic 606 related to identifying performance obligations and the licensing implementation guidance, while retaining the related core principles for those areas. The effective date and transition requirements for ASU 2016-10 are the same as the effective date and transition requirements in ASU 2014-09.

In May 2016, the FASB issued ASU 2016-12, "Revenue from Contracts with Customers (Topic 606) - Narrow-Scope Improvements and Practical Expedients." ASU 2016-12 clarifies aspects of Topic 606 related to the guidance on assessing collectibility, presentation of sales taxes, non-cash consideration, and completed contracts and contract modifications. The effective date and transition requirements for ASU 2016-12 are the same as the effective date and transition requirements in ASU 2014-09.

The standards permit either the retrospective or the modified retrospective (cumulative effect) transition method. On January 1, 2018, we adopted the new accounting standard Accounting Standards Codification ("ASC") 606, "Revenue from Contracts with Customers" and all the related amendments to all contracts using the modified retrospective method. We recognized the cumulative effect of initially applying the new revenue standard as an adjustment to the opening balance of accumulated deficit. We expect the impact of the adoption of the new standard to be immaterial to our net income on an ongoing basis.

See Note 12 for additional information.

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Note 4. Inventories

Inventories consisted of the following (in thousands):

	December 31,	
	2018	2017
Raw materials	\$7,146	\$4,290
Work in process	3,219	1,960
Finished goods	4,319	5,555
Packaging materials	891	410
Promotional merchandise	1,139	1,161
Pub food, beverages and supplies	502	468
	\$17,216	\$13,844

Work in process is beer held in fermentation tanks prior to the filtration and packaging process.

Note 5. Acquisitions and Investments

Acquisitions

Purchase of Intellectual Property of Cisco Brewers, Inc. ("Cisco")

On October 10, 2018, we purchased the intellectual property assets of Cisco relating to its malt beverage products (the "Products"), including all trademarks, logos, and recipes (the "Purchase Transaction"). We paid \$23.0 million in cash from existing cash and borrowings on the line of credit (the "Purchase Price"), assumed certain liabilities relating to the acquired assets, and agreed to pay an additional amount as a cash incentive payment based on Product shipments in 2023 in excess of a specified number of barrels. Management determined that a future liability for this contingent payment was both probable and reasonably estimable at the time of the transaction. Based on the facts and circumstances at the transaction date, the amount of this liability was estimated to be \$585,000 and was included in the cost of the acquired assets. The Purchase Transaction excluded certain assets owned by Cisco, including intellectual property rights associated with its operation of its brewpub in Nantucket and a taproom in Boston, Massachusetts, as well as our brewpub in Portsmouth, New Hampshire, which Cisco began operating in June 2018. Of the Purchase Price, \$690,000 was placed in escrow to cover potential liabilities associated with certain third party and direct claims relating to the assets purchased and liabilities assumed in the Purchase Transaction.

We also entered into an agreement permitting Cisco to operate up to three initial brewpubs and any number of "pop-up" locations, royalty-free under a non-exclusive license arrangement, using the intellectual property rights associated with the Products acquired by us in the Purchase Transaction. The license agreement permits Cisco to operate additional brewpubs upon the payment of a \$50,000 annual royalty per brewpub.

The Purchase Transaction was accounted for as an asset acquisition and certain transaction related costs of \$677,000 were included in the cost of the acquired assets.

In evaluating the accounting treatment for the Purchase Transaction we identified a prior agreement as a preexisting relationship, effectively settled through the Purchase Transaction. Under the agreement, we made a payment in 2016 in exchange for Cisco's commitment to produce a minimum of 80% of their overall production at our Portsmouth brewery. At the time, this asset was valued at \$0.4 million with amortization recorded based on the terms our master distribution agreement. In our assessment, this agreement ceased to have determinable value following the Purchase Transaction due to our control of materially all Cisco production. Accordingly, the remaining value of the asset of \$0.2 million was recorded as a loss during the fourth quarter of 2018, as a component of Selling, general and administrative expenses in our Consolidated Statements of Operations.

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The allocation of the purchase price for the Cisco asset purchase was as follows (in thousands):

Assets		Useful Life
Other intangible assets		
Non-compete agreements	\$43	2 years
Recipes	56	Indefinite
Trademark	24,163	indefinite
Net assets acquired	\$24,262	

Acquisition of Appalachian Mountain Brewery ("AMB")

On November 29, 2018, we acquired substantially all the assets of AMB, which operates a brewery and taproom in Boone, North Carolina, for \$8.3 million in total consideration which was comprised of \$7.4 million in cash, the extinguishment of \$0.6 million of debt, and the settlement of a preexisting liability of \$0.3 million. The source of cash consideration paid was from existing cash and borrowings on the line of credit. Of the purchase price, \$671,000 was placed in escrow to cover potential liabilities associated with certain third party and direct claims relating to the assets purchased and liabilities assumed in the acquisition. The transaction was accounted for under the acquisition method of accounting and all assets acquired and liabilities assumed were recorded at their respective acquisition-date fair values. The excess of total consideration over the net identifiable assets acquired and liabilities assumed was recorded as goodwill. The key factors attributable to the creation of goodwill by the AMB acquisition are the assembled workforce and our assessment of the ability to generate cash flows beyond the lives of the finite-lived intangible assets. The expected income tax effect of the acquired assets and liabilities was also included in the determination of recorded goodwill. The goodwill is expected to be deductible for tax purposes. Given the close proximity of the closing date of the acquisition to the end of our fiscal year and the potential for working capital adjustments that may impact recognized amounts, the allocation of the purchase price to the underlying net assets is preliminary at this time.

The preliminary allocation of the purchase price for the AMB acquisition was as follows (in thousands):

Assets		Useful Life
Inventory	\$268	N/A
Property, equipment and leasehold improvements	1,252	3-39 years
Land	360	N/A
Goodwill	3,443	Indefinite
Other intangible assets		
Trademark	1,900	Indefinite
Co-exist agreement	650	Indefinite
Non-compete agreements	260	2 years
Recipes	140	Indefinite
	8,273	
Liabilities		
Gift cards	2	N/A
Net assets acquired	\$8,271	

Transaction costs of \$226,000 were expensed as incurred as a component of Selling, general and administrative expenses in our Consolidated Statements of Operations.

Increase in Ownership Interest of Wynwood Brewing Company, LLC ("Wynwood")

On July 12, 2017, we purchased a 24.5% interest in Wynwood, which operates a brewery and taproom in Miami, Florida, for \$2.1 million in cash. This investment had a carrying value of \$2.0 million on October 10, 2018. On October 10, 2018, we increased our ownership interest in Wynwood from 24.5% to 100% for \$7.9 million additional consideration which was comprised of \$6.8 million in cash and \$1.1 million for the fair value of a contingent payment

which we agreed to pay as a cash incentive based on product shipments in excess of specified number of barrels in each of 2019, 2020 and 2021. The source of cash consideration paid was from existing cash and borrowings on the line of credit. Of the Purchase Price, \$203,000 was placed in escrow to cover potential liabilities associated with certain third party and direct claims relating to the assets purchased and liabilities assumed in the acquisition. Prior to becoming a wholly owned subsidiary, we accounted for our investment in Wynwood under the equity

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method of accounting and recorded it as a component of Intangible, equity method investment and other assets, net on our Consolidated Balance Sheets. Following the completion of the acquisition, Wynwood became a wholly owned subsidiary and its results were fully consolidated beginning on October 10, 2018.

The transaction was accounted for under the acquisition method of accounting as a step acquisition. As required by this method, we remeasured our preexisting 24.5% equity interest to its acquisition-date fair value which was determined to be \$2.1 million. As a result of the remeasurement, a net gain of \$170,000 was recorded as a component of Other income (expense), net in our Consolidated Statements of Operations during the fourth quarter of 2018. The fair value of the equity interest was determined on a relative basis to the purchase price of the remaining 74.5% acquired by CBA. Given the close proximity of the closing date of the acquisition to the end of our fiscal year and the potential for working capital adjustments that may impact recognized amounts, the allocation of the purchase price to the underlying net assets is preliminary at this time.

All assets acquired and liabilities assumed were recorded at their respective acquisition-date fair values. The excess of total consideration, including the estimated fair value of our previously held equity interest in Wynwood, over the net identifiable assets acquired and liabilities assumed was recorded as goodwill. The key factors attributable to the creation of goodwill by the Wynwood acquisition are the assembled workforce and our assessment regarding the ability to generate cash flows beyond the lives of the finite-lived intangible assets. The expected income tax effect of the acquired assets and liabilities was also included in the determination of recorded goodwill. The goodwill is expected to be deductible for tax purposes.

The preliminary allocation of the purchase price for the Wynwood acquisition was as follows (in thousands):

Assets		Useful Life
Cash	\$ 79	N/A
Accounts receivable	14	N/A
Inventory	103	N/A
Prepaid expenses and other	40	N/A
Property, equipment and leasehold improvements	310	5 - 10 years
Goodwill	5,626	Indefinite
Other intangible assets		
Recipes	40	Indefinite
Non-Compete Agreements	260	2 years
Trademark	3,800	Indefinite
	10,272	
Liabilities		
Accounts payable	168	N/A
Accrued salaries, wages and payroll taxes	24	N/A
Refundable deposits	13	N/A
Other accrued expenses	3	N/A
Current portion of long-term debt	25	N/A
	233	
Net assets acquired	\$ 10,039	

Transaction costs of \$359,000 were expensed as incurred as a component of Selling, general and administrative expenses in our Consolidated Statements of Operations.

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Primary Reasons Behind Transactions

We completed the Cisco, AMB and Wynwood transactions to unlock the full potential of each brand. Over the past several years, our partnerships with North Carolina-based AMB, Massachusetts-based Cisco, and Florida-based Wynwood have bolstered our brand portfolio with strong local brands and breweries in key markets, complementing Kona as the anchor of our portfolio strategy. Further, these partners have supported our strategic brewery evolution by leveraging the capability and location of the Portsmouth, New Hampshire brewery to increase production for partner brands as we rebalance our brewing footprint. We plan to increase marketing spend and resources to fuel each brand's growth and help drive continued innovation and greater levels of support for their local communities.

Financial Information

The acquisitions, both individually and as a whole, are not considered significant and, accordingly, certain results of operations information and pro forma financial information is not presented.

Note 6. Other Current Assets and Other Accrued Expenses

Other current assets consisted of the following (in thousands):

	December 31,	
	2018	2017
Prepaid property taxes	\$553	\$534
Prepaid insurance	439	518
Income taxes receivable	537	1,153
Other	1,592	2,130
	\$3,121	\$4,335

Other accrued expenses consisted of the following (in thousands):

	December 31,	
	2018	2017
Accrued pricing discounts	\$781	\$1,011
Other	2,837	1,357
	\$3,618	\$2,368

Note 7. Property, Equipment and Leasehold Improvements

Property, equipment and leasehold improvements consisted of the following (in thousands):

	December 31,	
	2018	2017
Brewery equipment	\$99,210	\$97,606
Buildings	34,525	32,925
Land and improvements	4,181	3,821
Furniture, fixtures and other equipment	20,438	20,388
Leasehold improvements	15,473	16,239
Vehicles	124	106
Construction in progress	22,001	8,661
	195,952	179,746
Less accumulated depreciation and amortization	(82,763)	(73,463)
	\$113,189	\$106,283

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Note 8. Goodwill and Intangible, Equity Method Investment and Other Assets

Goodwill

The rollforward of goodwill was as follows (in thousands):

Balance, December 31, 2015, 2016 and 2017	\$ 12,917
Goodwill acquired related to acquisition of AMB	3,443
Goodwill acquired related to acquisition of Wynwood	5,626
Balance, December 31, 2018	\$ 21,986

There were no impairment losses netted against the goodwill balance at any date.

Intangible, Equity Method Investment and Other Assets

Intangible, equity method investment and other assets and the related accumulated amortization were as follows (in thousands):

	December 31,	
	2018	2017
Recipes	\$936	\$700
Co-Exist Agreement	650	—
Distributor agreements	2,200	2,200
Accumulated amortization	(1,540)	(1,393)
	660	807
Non-compete agreements	563	—
Accumulated amortization	(45)	—
	518	
Other	379	348
Accumulated amortization	(274)	(255)
	105	93
Intangible assets, net	2,869	1,600
Promotional merchandise	185	818
Deposits and other	1,994	2,076
Equity method investment	—	2,026
Intangible, equity method investment and other assets, net	\$ 5,048	\$ 6,520

Amortization expense was as follows (in thousands):

	Year Ended		
	December 31,		
	2018	2017	2016
Amortization expense	\$ 394	\$ 260	\$ 199

Estimated amortization expense to be recorded for the next five fiscal years and thereafter is as follows (in thousands):

2019	\$ 462
2020	402
2021	165
2022	165
2023	89

Thereafter—

\$1,283

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Note 9. Debt and Capital Lease Obligations

Long-term debt and capital lease obligations consisted of the following (in thousands):

	December 31,	
	2018	2017
Term loan, due September 30, 2023	\$8,823	\$9,244
Line of credit, due September 30, 2023	37,092	22,199
Capital lease obligations for equipment	1,577	1,855
	47,492	33,298
Less current portion	(919)	(699)
	\$46,573	\$32,599

Required principal payments on outstanding debt obligations as of December 31, 2018 for the next five years and thereafter are as follows (in thousands):

	Term Loan	Line of Credit	Capital Lease Obligations
2019	\$442	\$—	\$ 529
2020	459	—	333
2021	477	—	266
2022	496	—	199
2023	6,949	37,092	199
Thereafter	—	—	199
	\$8,823	\$37,092	1,725
Amount representing interest			(148)
			\$ 1,577

Term Loan and Line of Credit

On October 10, 2018, we executed a First Amendment (the "Amendment") to our Amended and Restated Credit Agreement with Bank of America, N.A. dated November 30, 2015 (as amended, the "Credit Agreement"). The Credit Agreement provides for a revolving line of credit ("Line of Credit"), including provisions for cash borrowings and up to \$2.5 million notional amount of letters of credit, and an originally valued \$10.8 million term loan ("Term Loan"). The primary changes effected by the Amendment were to increase the maximum amount available under the line of credit from \$40.0 million to \$45.0 million and to extend the maturity date of the line of credit from November 30, 2020 to September 30, 2023, which is also the maturity date of the term loan. The maximum amount of the line of credit is subject to loan commitment reductions in the amount of \$750,000 each quarter beginning March 31, 2020. The Amendment also increased the limit on the total amount of investments that we may make in other craft brewers, other than the acquisitions of all or substantially all of the assets or controlling ownership interests, from \$5.0 million to \$10.0 million. We may draw upon the Line of Credit for working capital and general corporate purposes. At December 31, 2018, we had \$37.1 million of borrowings outstanding under the Line of Credit and \$8.8 million outstanding under the Term Loan.

Under the Loan Agreement, interest accrues at an annual rate based on the London Inter-Bank Offered Rate ("LIBOR") Daily Floating Rate plus a marginal rate. The marginal rate varies from 0.75% to 1.75% for the Line of Credit and Term Loan based on our funded debt ratio. At December 31, 2018, our marginal rate was 1.25% resulting in an annual interest rate of 3.23%.

The Loan Agreement authorizes acquisitions within the same line of business as long as we remain in compliance with the financial covenants of the Loan Agreement and there is at least \$5.0 million of availability remaining on the Line of Credit following the acquisition.

Under the Loan Agreement, a quarterly fee on the unused portion of the Line of Credit, including the undrawn amount of the related standby letter of credit, varies from 0.15% to 0.30% based upon our funded debt ratio.

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At December 31, 2018, the quarterly fee was 0.15% and the fee totaled the following (in thousands):

	Year Ended		
	December 31,		
	2018	2017	2016
Loan Agreement fee	\$52	\$ 37	\$ 36

An annual fee is payable in advance on the notional amount of each standby letter of credit issued and outstanding multiplied by an applicable rate ranging from 0.75% to 1.75%. We had no letters of credit outstanding during 2018, 2017 or 2016.

We were in compliance with all applicable contractual financial covenants of the Loan Agreement at December 31, 2018. These financial covenants under the Loan Agreement are measured on a trailing four-quarter basis. We are required to maintain a funded debt ratio of up to 3.5 to 1 and a fixed charge coverage ratio above 1.20 to 1.

The Loan Agreement is secured by substantially all of our personal property and fixtures and by our Oregon Brewery. In addition, we are permitted to declare or pay dividends, repurchase outstanding common stock or incur additional debt, subject to limitations. We are restricted from entering into any agreement that would result in a change in control.

Note 10. Derivative Financial Instruments

Interest Rate Swap Contracts

Our risk management objectives are to ensure that business and financial exposures to risk that have been identified and measured are minimized using the most effective and efficient methods to reduce, transfer and, when possible, eliminate such exposures. Operating decisions contemplate associated risks and management strives to structure proposed transactions to avoid or reduce risk whenever possible.

We have assessed our vulnerability to certain business and financial risks, including interest rate risk associated with our variable-rate long-term debt. To mitigate this risk, effective January 23, 2014, we entered into an interest rate swap contract with BofA for 75% of the Term Loan balance, to hedge the variability of interest payments associated with our variable-rate borrowings under our Term Loan with BofA. The Term Loan contract and the interest rate swap terminate on September 30, 2023. The Term Loan contract had a total notional value of \$6.6 million as of December 31, 2018. Through this swap agreement, we pay interest at a fixed rate of 2.86% and receive interest at a floating-rate of the one-month LIBOR, which was 2.46% at December 31, 2018.

Effective January 4, 2016, we entered into a \$9.1 million notional amount interest rate swap contract with BofA, which was set to expire January 1, 2019, to hedge the variability of interest payments associated with our variable-rate borrowings on our line of credit. The notional amount fluctuated based on a predefined schedule based on our anticipated borrowings. This swap agreement was terminated effective January 18, 2018 as we paid off our line of credit, and we received interest of \$27,000. With the asset purchase and acquisitions of Cisco, AMB, and Wynwood, we began borrowing again on our line of credit in the fourth quarter of 2018. We do not currently have an interest rate swap contract in place to hedge the variability of interest payments associated with our variable-rate borrowings on our line of credit.

Since our remaining interest rate swap hedges the variability of interest payments on variable rate debt with similar terms, it qualifies for cash flow hedge accounting treatment.

As of December 31, 2018, unrealized net losses of \$116,000 were recorded in Accumulated other comprehensive loss as a result of these hedges. The effective portion of the gain or loss on the derivatives is reclassified into Interest

expense in the same period during which we record Interest expense associated with the related debt. There was no hedge ineffectiveness during 2018, 2017 or 2016.

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The fair value of our derivative instruments was as follows (in thousands):

	December 31,	
	2018	2017
Fair value of interest rate swaps	\$(116)	\$(221)

The effect of our interest rate swap contracts that were accounted for as derivative instruments on our Consolidated Statements of Operations was as follows (in thousands):

Year Ended December 31,	Amount of Gain (Loss) Recognized in Accumulated OCI (Effective Portion)	Location of Loss Reclassified from Accumulated OCI into Income (Effective Portion)	Amount of Loss Reclassified from Accumulated OCI into Income (Effective Portion)
2018	\$ 105	Interest expense	\$ 27
2017	\$ 203	Interest expense	\$ 150
2016	\$ 145	Interest expense	\$ 292

See also Note 11.

Note 11. Fair Value Measurements

Factors used in determining the fair value of our financial assets and liabilities are summarized into three broad categories:

Level 1 – quoted prices in active markets for identical securities as of the reporting date;

Level 2 – other significant directly or indirectly observable inputs, including quoted prices for similar securities, interest rates, prepayment speeds and credit risk; and

Level 3 – significant inputs that are generally less observable than objective sources, including our own assumptions in determining fair value.

The factors or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

The following tables summarize liabilities measured at fair value on a recurring basis (in thousands):

Fair Value at December 31, 2018	Level 1	Level 2	Level 3	Total
Interest rate swap	\$	—\$(116)	\$	—\$(116)
Fair Value at December 31, 2017				
Interest rate swap	\$	—\$(221)	\$	—\$(221)

We did not have any assets measured at fair value on a recurring basis at December 31, 2018 or December 31, 2017.

The fair value of our interest rate swap was based on quarterly statements from the issuing bank. There were no changes to our valuation techniques during 2018, 2017 or 2016.

We believe the carrying amounts of Cash, cash equivalents and restricted cash, Accounts receivable, Other current assets, Accounts payable, Accrued salaries, wages and payroll taxes, and Other accrued expenses are a reasonable approximation of the fair value of those financial instruments because of the nature of the underlying transactions and the short-term maturities involved.

We had fixed-rate debt outstanding as follows (in thousands):

	December 31,	
	2018	2017
Fixed-rate debt on balance sheet	\$1,577	\$1,855
Estimated fair value of fixed-rate debt	\$1,591	\$1,915

We calculate the estimated fair value of our fixed-rate debt using a discounted cash flow methodology. Using estimated current interest rates based on a similar risk profile and duration (Level 2), the fixed cash flows are discounted and summed to compute the fair value of the debt.

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Assets and Liabilities that are Measured at Fair Value on a Nonrecurring Basis

Our non-financial assets, such as goodwill, intangible assets and property and equipment, are recorded at fair value when an impairment is recognized or at the time acquired in a business combination. As discussed in Note 5, we acquired substantially all of the assets of AMB and increased our ownership interest in Wynwood from 24.5% to 100% and recorded the acquired assets and liabilities, including goodwill, intangible assets and property and equipment at their estimated fair value. Also, as discussed in Note 5, we purchased the intellectual property assets of Cisco and recorded the intangible assets at their estimated fair value. The determination of the estimated fair value of such assets required the use of significant unobservable inputs which would be considered Level 3 fair value measurements.

Note 12. Revenue Recognition

On January 1, 2018, we adopted the Accounting Standards Codification ("ASC") 606, "Revenue from Contracts with Customers" and all the related amendments (the "new revenue standard") for all of our revenue contracts, using the modified retrospective method. We recognized the cumulative effect of initially applying the new revenue standard as an adjustment to the opening balance of Accumulated deficit. The adoption of ASC 606 did not have a material impact on our consolidated financial statements at January 1, 2018 or for the year ended December 31, 2018.

The adjustments to our Consolidated Balance Sheets upon adoption of ASC 606, effective January 1, 2018 were as follows (in thousands):

	Balance at December 31, 2017	Adjustments due to ASC 606	Balance at January 1, 2018
Assets:			
Other current assets	\$4,335	\$ (237)	\$4,098
Intangible, equity method investment and other assets, net	20,949	(157)	20,792
Common shareholders' equity:			
Accumulated deficit	\$(11,337)	\$ (394)	\$(11,731)

In accordance with the new revenue standard requirements, the disclosure of the impact of adoption on our Consolidated Balance Sheets and Consolidated Statements of Operations was as follows (in thousands):

	December 31, 2018		
	As Reported	Balance without Adoption of ASC 606	Effect of Change Higher (Lower)
Consolidated Balance Sheets			
Assets:			
Other current assets	\$3,121	\$3,279	\$ (158)
Liabilities:			
Deferred income tax liability, net	12,381	12,437	(56)
Common shareholders' equity:			
Accumulated deficit	\$(7,589)	\$(7,803)	\$ (214)

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	Year Ended December 31, 2018		
	As Reported	Balance without Adoption of ASC 606	Effect of Change Higher (Lower)
Consolidated Statements of Operations			
Selling, general and administrative expenses	\$62,572	\$62,809	\$(237)
Income tax provision	1,287	1,231	56
Net income	\$4,142	\$3,961	\$181

The following table disaggregates our Sales by major source (in thousands):

	Year Ended December 31, 2018		
	Beer Related ⁽¹⁾	Brewpubs	Total
Product sold through distributor agreements ²	\$176,265	\$—	\$176,265
Alternating proprietorship and contract brewing fees	10,612	—	10,612
International distribution fees	3,400	—	3,400
Brewpubs ³	—	24,023	24,023
Other ⁴	2,969	—	2,969
	\$193,246	\$24,023	\$217,269

Beer Related sales include sales to Anheuser-Busch, LLC ("A-B") subsidiaries including Ambev, Anheuser-Busch (1) Worldwide Investments, LLC ("ABWI") and Anheuser-Busch Companies, LLC ("ABC"). Sales to wholesalers through the A-B distributor agreement in 2018 represented 77.2% of our Sales.

(2) Product sold through distributor agreements included domestic and international sales of owned and non-owned brands pursuant to terms in our distributor agreements.

(3) Brewpub sales include sales of promotional merchandise and sales of beer directly to customers.

(4) Other sales include sales of beer related merchandise, hops, spent grain and an export manager fee.

Revenue is recognized when obligations under the terms of a contract with our customers are satisfied; generally this occurs when the product arrives at distribution centers or when the wholesaler takes possession. Revenue is measured as the amount of consideration we expect to receive in exchange for transferring goods. We consider customer purchase orders, which in some cases are governed by a master agreement, to be the contract with a customer. For each contract related to the production of beer, we consider the promise to transfer products, each of which is distinct, to be the identified performance obligation. The transaction price for each performance obligation is specifically identified within the contract with our customer and represents the standalone selling price. Discounts are recognized as a reduction to Sales at the time we recognize the revenue. We generally do not grant return privileges, except in limited and specific circumstances.

A performance obligation is a promise in a contract to transfer a distinct good or service to the customer, and is the unit of accounting pursuant to ASC 606. In contracts with multiple performance obligations, we identify each performance obligation and evaluate whether the performance obligation is distinct within the context of the contract at contract inception. Performance obligations that are not distinct at contract inception are combined.

We entered into an International Distribution Agreement ("IDA") with A-B for the rights to serve as our exclusive distributor in international territories defined by the IDA for an approximate 10-year period. The IDA represents a

single international license to all territories defined in the IDA. Revenue is recognized on a straight-line basis over the approximate 10-year term of the agreement. In accordance with ASC 606, we evaluate the factors used in our estimates of variable consideration to be received under contracts on a quarterly basis. We estimate variable consideration as the most likely amount to which we expect to be entitled. We have evaluated, on a quarterly basis, the qualitative factors, including current market conditions and our relationship with A-B, and we consider receiving \$34.0 million over the approximate 10-year term of the IDA the most likely outcome under the IDA. We believe that the possibility of a significant reversal of cumulative revenue recognized from this agreement under this conclusion is remote. Under the IDA, A-B has the right to issue purchase orders to distribute product in international territories defined by the IDA. Each purchase order placed under the IDA is a distinct performance obligation. The transaction price for each performance obligation is a sales-based royalty, which is recognized as revenue in accordance with the sales-based royalty exception.

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Accordingly, royalty revenue is recognized as the variability associated with the royalty is resolved, which is upon A-B's subsequent sale of our product.

In cases where all conditions to a sale are not met at the time of sale, revenue recognition is deferred until all conditions are met. As of January 1, 2018, Deferred revenue on our Consolidated Balance Sheets included \$3.4 million related to the IDA. As of December 31, 2018, we earned the right to receive an additional \$6.0 million pursuant to the IDA, of which we have recognized \$3.4 million as Sales, resulting in Deferred revenue of \$6.0 million at December 31, 2018. In the absence of receiving a qualified offer, we expect to earn the right to receive an additional \$20.0 million in 2019. We expect to recognize Deferred revenue as Sales in the amounts of \$3.2 million in 2019 and \$22.7 million thereafter.

Note 13. Segment Results and Concentrations

Our chief operating decision maker monitors Net sales and gross margins of our Beer Related operations and our Brewpubs operations. Beer Related operations include the brewing operations and related domestic and international sales of our beer and brands. Brewpubs operations primarily include our brewpubs, some of which are located adjacent to our Beer Related operations. We do not track operating results beyond the gross margin level or our assets on a segment level.

Net sales, Gross profit and gross margin information by segment was as follows (dollars in thousands):

2018	Beer Related	Brewpubs	Total		
Net sales	\$182,163	\$24,023	\$206,186		
Gross profit	\$66,958	\$1,365	\$68,323		
Gross margin	36.8	% 5.7	% 33.1	%	

2017					
Net sales	\$179,830	\$27,626	\$207,456		
Gross profit	\$63,412	\$1,846	\$65,258		
Gross margin	35.3	% 6.7	% 31.5	%	

2016					
Net sales	\$173,657	\$28,850	\$202,507		
Gross profit	\$55,667	\$3,932	\$59,599		
Gross margin	32.1	% 13.6	% 29.4	%	

The segments use many of the same assets. For internal reporting purposes, we do not allocate assets by segment and, therefore, no asset by segment information is provided to our chief operating decision maker.

In preparing this financial information, certain expenses were allocated between the segments based on management estimates, while others were based on specific factors such as headcount. These factors can have a significant impact on the amount of Gross profit for each segment. While we believe we have applied a reasonable methodology, assignment of other reasonable cost allocations to each segment could result in materially different segment Gross profit.

Sales to wholesalers through the A-B Distributor Agreement represented the following percentage of our Sales:

Year Ended
December 31,

2018 2017 2016
77.2% 74.9% 77.8%

Receivables from A-B represented the following percentage of our Accounts receivable balance:

December 31,
2018 2017
79.8% 74.4%

All of our long-term assets are located in the U.S. and Sales outside of the U.S. are insignificant.

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Note 14. Stock-Based Plans and Stock-Based Compensation

We maintain several stock incentive plans under which stock-based awards are, or have been, granted to employees and non-employee directors. We issue new shares of common stock upon exercise or settlement of the stock-based awards. All of our stock plans are administered by the Compensation Committee of our Board of Directors, which determines the grantees, the number of shares of common stock for which awards may be exercised or settled and the exercise or grant prices of such shares, among other terms and conditions of stock-based awards under our stock-based plans.

With the approval of the 2014 Stock Incentive Plan (the "2014 Plan") in May 2014, no further grants of stock-based awards may be made under our 2010 Stock Incentive Plan (the "2010 Plan"). However, the provisions of the 2010 Plan will remain in effect until all outstanding awards are exercised, settled or terminated. Shares subject to terminated awards under the 2010 Plan are not added to the pool of shares available for grant pursuant to the 2014 Plan.

Shares to be issued upon the exercise of stock options and the vesting of stock awards will come from newly issued shares.

2014 Stock Incentive Plan

The 2014 Plan provides for grants of stock options, restricted stock, restricted stock units ("RSUs"), performance awards and stock appreciation rights, as well as other stock-based awards. While incentive stock options may only be granted to employees, awards other than incentive stock options may be granted to employees, non-employee directors and outside consultants. Options granted to our employees are generally subject to a four-year vesting period. Vested options generally remain exercisable for ten years following the date of grant. RSUs generally vest over a period of three years. The exercise price of stock options must be at least equal to the fair market value per share of our common stock on the date of grant. A maximum of 1,000,000 shares of common stock are authorized for issuance under the 2014 Plan. As of December 31, 2018, there were 430,662 shares available for future awards pursuant to the 2014 Plan.

Terms of awards granted pursuant to the 2010 Plan were similar to the terms of awards granted pursuant to the 2014 Plan.

Stock-Based Compensation

Certain information regarding our stock-based compensation was as follows (in thousands, except per share amounts):

	Year Ended December 31,	
	2018	2017
Weighted average per share fair value of stock options granted	\$—	—\$4.06
Intrinsic value of stock options exercised	388	65
Intrinsic value of fully-vested stock awards granted	992,812	944

Stock-based compensation expense was recognized in our Consolidated Statements of Operations as follows (in thousands):

	Year Ended December 31,		
	2018	2017	2016
Selling, general and administrative expense	\$1,334	\$1,197	\$1,005
Cost of sales	150	119	82
Total stock-based compensation expense	\$1,484	\$1,316	\$1,087

We amortize stock-based compensation expense on a straight-line basis over the vesting period of the individual awards, which is the requisite service period, with estimated forfeitures considered.

At December 31, 2018, we had total unrecognized stock-based compensation expense of \$1.7 million, which will be recognized over the weighted average remaining vesting period of 1.6 years.

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The following weighted average assumptions were utilized in determining fair value pursuant to the Black-Scholes option pricing model:

	Year Ended		
	December 31,		
	2018	2017	2016
Risk-free interest rate	%	%	1.66 %
Dividend yield	%	%	— %
Expected life	—	—	6.81 years
Volatility	%	%	51.70 %

The risk-free rate used is based on the U.S. Treasury yield curve over the estimated term of the options granted. Expected lives were estimated based on historical exercise data. The expected volatility is calculated based on the historical volatility of our common stock.

Stock-Based Awards Plan Activity

Stock Option Activity

Stock option activity for the year ended December 31, 2018 was as follows:

	Options	Weighted
	Outstanding	Average
		Exercise
		Price
Outstanding at December 31, 2017	359,713	\$ 9.88
Granted	—	—
Exercised	(43,734)) 10.29
Canceled	(9,489)) 10.18
Outstanding at December 31, 2018	306,490	9.82

Certain information regarding options outstanding as of December 31, 2018 was as follows:

	Options	Options
	Outstanding	Exercisable
Number	306,490	224,714
Weighted average exercise price	\$9.82	\$ 9.92
Aggregate intrinsic value	\$ 1,384,000	\$ 992,000
Weighted average remaining contractual term	5.7 years	5.4 years

Restricted Stock Unit Activity

In February 2018, we granted a total of 46,785 RSUs with a grant date fair value of \$18.25 per share to selected executive officers and other members of our executive and impact leadership teams. The RSUs vest on March 31, 2021, provided that the participant continues to be employed through that date.

In May 2018, we granted a total of 500 RSUs with a grant date fair value of \$18.75 per share to a member of the impact leadership team. The RSUs vest on May 31, 2019, provided that the participant continues to be employed through that date. In May 2018, we granted a total of 1,080 RSUs with a grant date fair value of \$18.75 per share to a member of the impact leadership team. The RSUs vest on March 31, 2021, provided that the participant continues to be employed through that date.

In June 2018, we granted a total of 12,806 RSUs with a grant date fair value of \$19.60 per share to our full-time, non-executive employees, subject to our achievement of EBITDA at a specified target level for the year ended

December 31, 2018. For this grant, 81.6% of the target number of RSUs will vest on May 31, 2019, provided that the participant continues to be employed through that date.

In October 2018, we granted a total of 2,602 RSUs with a grant date fair value of \$17.23 per share to new members of our impact leadership team. The RSUs vest on October 10, 2021, provided that the participant continues to be employed through that date.

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In February 2017, we granted a total of 59,395 RSUs with a grant date fair value of \$15.85 per share to selected executive officers and other members of our executive and impact leadership teams. The RSUs vest on March 31, 2020, provided that the participant continues to be employed through that date.

In June 2017, we granted a total of 14,526 RSUs with a grant date fair value of \$17.45 per share to our full-time, non-executive employees, subject to our achievement of EBITDA at a specified target level for the year ended December 31, 2017. For this grant, 84% of the target number of RSUs vested on May 31, 2018, provided that the participant continued to be employed through that date.

In November 2017, we granted 4,393 RSUs with a grant date fair value of \$19.35 per share to an executive officer. For this grant, 879 RSUs vested on December 31, 2018. The remaining RSUs vest in installments on each of December 31, 2019 and 2020 per a vesting schedule, provided that the participant continues to be employed through that date.

During 2016, we granted a total of 52,503 RSUs with a weighted average grant date fair value of \$7.69 per share to selected officers and other members of our leadership teams. The RSUs will vest on March 31, 2019, provided that the participant continues to be employed through that date.

Performance-Based Stock Awards Activity

We granted performance-based stock awards to selected executives in each of the past eight years. Performance goals for the 2018 awards are tied to target amounts of the compounded-average growth rates of Net Sales and average adjusted EBITDA margin over a three-year performance period. The awards outstanding at December 31, 2018 will vest from zero to 125% of the targeted number of performance shares.

Cumulative activity related to performance-based awards during the year ended December 31, 2018 was as follows (in shares):

	Awards Expected to Vest	Weighted Average Grant Date Fair Value Per Share
Awards expected to vest as of January 1, 2018	183,721	\$ 10.41
Granted (target amount)	41,080	18.25
Canceled due to termination of employee	(52,628)	11.51
Not expected to vest due to failure to meet performance goals	(92,805)	7.69
Awards expected to vest as of December 31, 2018	79,368	16.85

Stock Grants

On the date of our 2018 Annual Meeting of Shareholders, each non-employee director received an annual grant of fully-vested shares of our common stock with a fair value of \$47,500, except for the chairman whose grant had a fair value of \$70,000. The 2018 grants included 2,534 fully-vested shares of common stock issued to seven of our non-employee directors; the chairman received 3,734 shares, for a total of 21,472 shares.

Note 15. Earnings Per Share

The following table reconciles shares used for basic and diluted earnings per share ("EPS") and provides other information (in thousands):

	Year Ended December		
	31,		
	2018	2017	2016
Weighted average common shares used for basic EPS	19,349	19,284	19,225
Dilutive effect of stock-based awards	208	163	—
Shares used for diluted EPS	19,557	19,447	19,225
Stock-based awards not included in diluted per share calculations as they would be antidilutive	—	25	221

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Note 16. Income Taxes

All of our income is generated in the U.S. The components of income tax provision (benefit) were as follows (in thousands):

	Year Ended December 31,		
	2018	2017	2016
Current federal	\$1,222	\$(413)	\$(378)
Current state	571	331	32
	1,793	(82)	(346)
Deferred federal	(135)	(5,368)	285
Deferred state	(371)	(32)	75
	(506)	(5,400)	360
	\$1,287	\$(5,482)	\$14

Income tax provision (benefit) differs from the amount computed by applying the statutory federal income tax rate to income (loss) before income taxes as follows (in thousands):

	Year Ended December 31,		
	2018	2017	2016
Provision at U.S. statutory rate	\$1,140	\$1,374	\$(104)
State taxes, net of federal benefit	210	189	49
Effect of tax rate change on deferred tax assets and liabilities	—	(6,923)	—
Permanent differences, primarily meals and entertainment	111	180	264
Stock-based compensation	(42)	(11)	(41)
Domestic production activities deduction	—	—	(20)
Tax credits	(132)	(291)	(134)
	\$1,287	\$(5,482)	\$14

Significant components of our deferred tax assets and liabilities were as follows (in thousands):

	December 31,	
	2018	2017
Deferred tax assets		
Net operating losses and tax credit carryforwards	\$11	\$982
Accrued salaries and severance	1,089	1,127
Other	1,403	1,497
	2,503	3,606
Deferred tax liabilities		
Property, equipment and leasehold improvements	(10,783)	(12,287)
Intangible assets	(3,977)	(4,054)
Other	(124)	(151)
	(14,884)	(16,492)
	\$(12,381)	\$(12,886)

As of December 31, 2018, included in our net operating losses and tax credit carryforwards were State NOLs, tax effected of \$10,000. We also have an AMT credit carryforward of \$170,000 which is refundable over the next four years. As such, the carryforward is recognized as a tax receivable on our Consolidated Balance Sheets as of December 31, 2018.

In assessing the realizability of our deferred tax assets, we consider future taxable income expected to be generated by the projected differences between financial statement depreciation and tax depreciation, cumulative earnings generated to date and other evidence available to us. Based upon this consideration, we assessed that all of our deferred taxes are more likely than not to be realized, and, as such, we have not recorded a valuation allowance as of December 31, 2018 or 2017.

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There were no unrecognized tax benefits as of December 31, 2018 or 2017 and we do not anticipate significant changes to our unrecognized tax benefits within the next twelve months.

Note 17. Employee Benefit Plans

We sponsor a defined contribution 401(k) plan for all employees 18 years or older. Employee contributions may be made on a before-tax basis, limited by IRS regulations. For the years ended December 31, 2018, 2017 and 2016, we matched 50% of the employee's contributions up to 6% of eligible compensation. Eligibility for the matching contribution in all years began after the participant had worked a minimum of three months. Our matching contributions to the plan vest ratably over five years of service by the employee. During 2018, 2017 and 2016, we used approximately \$110,000, \$69,000 and \$198,000, respectively, of previously forfeited matching contributions to fund current matching contributions, which decreased expense for the corresponding periods. We recognized expense associated with matching contributions as follows (in thousands):

	Year Ended December 31,		
	2018	2017	2016
401(k) expense	\$786	\$805	\$882

Note 18. Commitments and Contingencies

General

We are subject to various claims and pending or threatened lawsuits in the normal course of business. We are not currently party to any claims or legal proceedings that management believes are reasonably probable to have a material adverse effect on our financial position, results of operations or cash flows.

Operating Leases

We lease office space, restaurant and production facilities, warehouse and storage space, land and equipment under operating leases that expire at various dates through the year ending December 31, 2064. Certain leases contain renewal options for varying periods and escalation clauses for adjusting rent to reflect changes in price indices. Certain leases require us to pay for insurance, taxes and maintenance applicable to the leased property. Under the terms of the land lease for our New Hampshire Brewery, we hold a first right of refusal to purchase the property should the lessor decide to sell the property.

Minimum aggregate future lease payments under non-cancelable operating leases as of December 31, 2018 are as follows (in thousands):

2019	\$11,208
2020	1,937
2021	1,863
2022	1,793
2023	1,465
Thereafter	25,446
	\$43,712

Rent expense under all operating leases, including short-term rentals as well as cancelable and noncancelable operating leases, gross, was as follows (in thousands):

	Year Ended December 31,		
	2018	2017	2016
Rent expense	\$2,908	\$2,869	\$2,613

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We sub-leased corporate office space to an unrelated party pursuant to a 5-year lease that began in February 2011. In December 2014, the lease agreement was amended to extend the lease through 2025, with an option to cancel in 2020 with 180 days' written notice and a payment of \$150,000. In December 2017, we entered into an agreement to sell the property where the sub-leased corporate office space was located to an unrelated party. The sale of the property was finalized in January 2018, so we no longer receive rental payments pursuant to this agreement. We recognized rental income related to the sublease, which was recorded as an offset to rent expense in our Consolidated Statements of Operations, as follows (in thousands):

	Year Ended	
	December 31,	
	2018	2017
Rental income	\$-406	\$369

We lease our headquarters office space, restaurant and storage facilities located in Portland, land and certain equipment from two limited liability companies, both of whose members include our former Board Chair, and his brother, who continues to be employed by us. Lease payments to these lessors were as follows (in thousands) and are included in the Rent expense under all operating leases above:

	Year Ended		
	December 31,		
	2018	2017	2016
	\$164	\$136	\$120

The lease for the headquarters office space and restaurant facility expires in 2034, with an extension at our option for two 10-year periods, while the lease for the other facilities, land and equipment expires in 2022 with an extension at our option for an additional 5-year period. We hold a right to purchase the headquarters office space and restaurant facility at the greater of \$2.0 million or the fair market value of the property as determined by a contractually established appraisal method. The right to purchase is not valid in the final year of either renewal term, as applicable. All lease terms are considered to be arm's-length.

We hold lease and sublease obligations for certain office space and the land underlying the brewery and pub location in Kona, Hawaii, with a company whose owners include a shareholder who owns more than 5% of our common stock. The sublease contracts expire on various dates through 2020, with an extension at our option for two 5-year periods. Lease payments to this lessor were as follows (in thousands) and are included in the Rent expense under all operating leases above:

	Year Ended		
	December 31,		
	2018	2017	2016
	\$611	\$574	\$554

All lease terms are considered to be arm's-length. In December 2015, related to the execution of the long-term land lease with an unrelated third party for our new Kona brewery, we also paid approximately \$100,000 to the lessor described above to acquire its right of first refusal on the land lease from the unrelated third party.

Purchase and Sponsorship Commitments

We periodically enter into commitments to purchase certain raw materials in the normal course of business. Furthermore, we have entered into purchase commitments and commodity contracts to ensure we have the necessary supply of malt and hops to meet future production requirements. Certain of the malt and hop commitments are for crop years through 2022. We believe that malt and hop commitments in excess of future requirements, if any, will not have a material impact on our financial condition or results of operations. We may take delivery of the commodities in excess of our requirements or make payments against the purchase commitments earlier than contractually obligated,

which means our cash outlays in any particular year may exceed or be less than the commitment amount disclosed.

In certain cases, we have executed agreements with selected vendors to source our requirements for specific malt and hop varieties for the years ending December 31, 2019, 2020, 2021, 2022 and 2023; however, either the quantity to be delivered or the full price for the commodity has not been established at the present time. To the extent the commitment is not measurable or has not been fixed, that portion of the commitment has been excluded from the table below.

We have entered into multi-year sponsorship and promotional commitments with certain professional sports teams and entertainment companies. Generally, in exchange for our sponsorship consideration, we post signage and provide other promotional materials at the site or the event. The terms of these sponsorship commitments expire at various dates through December 31, 2023.

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Aggregate future payments under purchase and sponsorship commitments as of December 31, 2018 are as follows (in thousands):

	Purchase Obligations	Sponsorship Obligations	Total
2019	\$ 7,278	\$ 1,830	\$9,108
2020	7,864	1,233	9,097
2021	6,777	512	7,289
2022	5,875	518	6,393
2023	—	75	75
Thereafter	—	—	—
	\$ 27,794	\$ 4,168	\$31,962

Legal

On February 28, 2017 and March 6, 2017, respectively, two lawsuits, Sara Cilloni and Simone Zimmer v. Craft Brew Alliance, Inc., and Theodore Broomfield v. Kona Brewing Co. LLC, Kona Brew Enterprises, LLP, Kona Brewery LLC, and Craft Brew Alliance, Inc., were filed in the United States District Court for the Northern Division of California. On April 7, 2017, the two lawsuits were consolidated into a single complaint under the Broomfield case, alleging that the defendants misled customers regarding the state in which Kona Brewing Company beers are manufactured. On April 28, 2017, we filed a motion to dismiss the complaint, which was granted in part and denied in part on September 1, 2017. On September 25, 2018, the Court granted the plaintiffs' Motion for Class Certification, certifying a class consisting of all persons who purchased six-pack and twelve-pack bottles of Kona Brewing Company beers in California within the relevant statute of limitations period. We have not recorded any liabilities with respect to the claims. We filed a petition for review of the Court's grant of class certification, which was denied on February 1, 2019, with one judge on the three-judge panel dissenting. Our petition filed February 15, 2019, for rehearing en banc by the Ninth Circuit is pending.

Note 19. Related Party Transactions

For additional related party transactions, see Notes 5 and 18.

As of December 31, 2018 and 2017, A-B owned approximately 31.3% and 31.4%, respectively, of our outstanding common stock.

Transactions with Anheuser-Busch, LLC ("A-B"), Ambev and Anheuser-Busch Worldwide Investments, LLC ("ABWI") In December 2015, we partnered with Ambev, the Brazilian subsidiary of Anheuser-Busch InBev SA, to distribute Kona beers into Brazil. In August 2016, we also entered into an International Distribution Agreement with ABWI, an affiliate of A-B, pursuant to which ABWI will distribute our malt beverage products in jurisdictions outside the United States, subject to the terms and conditions of our agreement with our existing international distributor, CraftCan Travel LLC, and certain other limitations summarized in "International Distribution Agreement" below.

Transactions with A-B, Ambev and ABWI consisted of the following (in thousands):

	Year Ended December 31,		
	2018	2017	2016
Gross sales to A-B and Ambev	\$ 166,534	\$ 163,368	\$ 168,929
International distribution fee earned from ABWI	3,400	3,400	1,216
International distribution fee from ABWI, recorded as deferred revenue	5,985	3,384	1,784
Margin fee paid to A-B, classified as a reduction of Sales	2,296	2,277	2,420
Inventory management and other fees paid to A-B, classified in Cost of sales	383	384	377
	500	290	750

Media reimbursement from A-B, classified as a reduction of Selling, general and administrative expenses

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Amounts due to or from A-B and ABWI were as follows (in thousands):

	December 31,	
	2018	2017
Amounts due from A-B related to beer sales pursuant to the A-B distributor agreement	\$ 17,946	\$ 15,663
Amounts due from ABWI and A-B related to international distribution fee and media reimbursement	6,000	5,000
Refundable deposits due to A-B	(2,840)	(1,619)
Amounts due to A-B for services rendered	(5,140)	(4,836)
Net amount due from A-B and ABWI	\$ 15,966	\$ 14,208

Agreements with Anheuser-Busch, LLC

Contract Brewing Agreements

On August 23, 2016, we entered into a Contract Brewing Agreement (the “Brewing Agreement”) with A-B Commercial Strategies, LLC (“ABCS”), an affiliate of A-B, pursuant to which ABCS will brew, bottle and package up to 300,000 barrels of our mutually agreed products annually, in facilities owned by ABCS within the United States, for an initial term through December 31, 2026. Under the terms of the Brewing Agreement, we share equally in any cost savings arising from the Brewing Agreement, provided that our cost savings will equal at least \$10.00 per barrel on an aggregate basis, following certain adjustments, as set forth in the Brewing Agreement.

The Brewing Agreement provides specified termination rights, including, among other things, the right of either party to terminate the Brewing Agreement if (i) the other party fails to perform any material obligation under the Brewing Agreement, subject to certain cure rights, (ii) the International Distribution Agreement (as defined below) is terminated pursuant to certain specified provisions thereof or (iii) subject to certain conditions, if the A-B Distributor Agreement (as defined below) is terminated pursuant to certain specified provisions thereof.

In addition, ABCS has the right to terminate the Brewing Agreement, upon 90 days’ prior written notice to us, following (i) a “change of control event” (as defined below) that occurs or for which a definitive agreement is entered into prior to August 23, 2019, and is subsequently completed, or (ii) the earliest of (x) our rejection of a “qualifying offer” (as defined below), (y) the completion of a transaction implementing a qualifying offer, and (z) our failure to enter into a definitive transaction agreement within 120 days following receipt of a qualifying offer, with certain exceptions.

On January 30, 2018, we also entered into a Contract Brewing Agreement with Anheuser-Busch Companies, LLC (“ABC”), another A-B affiliate, pursuant to which we agreed to brew, package, and palletize certain malt beverage products of A-B's craft breweries at our Portland, Oregon, and Portsmouth, New Hampshire breweries, as selected by ABC. Under the terms of this agreement, ABC pays us a per barrel fee that varies based on the annual volume of the specified product brewed by us, plus (a) our actual incremental costs of brewing the product, and (b) certain capital costs and costs of graphics and labeling that we incur in connection with the brewed products. The agreement, as extended, will expire on December 31, 2019, unless further extended by mutual agreement. The agreement also contains specified termination rights, including, among other things, the right of either party to terminate it if (i) the other party fails to perform any material obligation under the agreement or any other agreement between the parties, subject to certain cure rights, or (ii) the A-B Distributor Agreement is terminated.

Under the terms of each of the Brewing Agreement, the International Distribution Agreement, the A-B Distributor Agreement and the Exchange Agreement (as defined below) (collectively, the “Commercial Arrangements”), a “qualifying offer” is defined to include any offer made by ABCS or one of its affiliate, for the acquisition of all of our outstanding common stock not owned by ABCS or its affiliates, on customary terms and conditions, with certain exceptions, for a specified aggregate value (subject to adjustment for changes in capitalization). From and after

August 24, 2018 the specified value for a qualifying offer must be at least \$24.50 per share. A “change of control event” includes, with certain exceptions, (i) the acquisition by a person or group of beneficial ownership on a fully diluted basis of 50% or more of our equity securities (or the equity securities of the surviving entity in any merger, consolidation, share exchange or other business combination involving us), (ii) a change in the composition of our board of directors during any consecutive 12-month period such that the incumbent directors cease to constitute at least a majority of the board of directors, or (iii) the completion of a sale, lease, exchange, or other transfer of (A) the Kona brand or (B) 50% or more of our assets based on fair market value.

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International Distribution Agreement

On August 23, 2016, we also entered into an International Distribution Agreement (the “International Distribution Agreement”) with ABWI pursuant to which ABWI will be the sole and exclusive distributor of our malt beverage products in jurisdictions outside the United States, subject to the terms and conditions of our agreement with our existing international distributor, CraftCan Travel LLC, and certain other limitations, in each case as set forth in the International Distribution Agreement. Under the International Distribution Agreement, following delivery of notice to us, ABWI may also elect to commence brewing outside of the United States some or all of the products to be distributed in the non-U.S. jurisdictions covered by the International Distribution Agreement.

Under the terms of the International Distribution Agreement, with respect to our exported products produced by us, ABWI will pay us our costs of production plus reasonable out-of-pocket expenses relating to export shipment costs. Additionally, ABWI will pay us an international royalty fee based on volume of our products sold by ABWI, equal to either \$40 per barrel or \$30 per barrel, depending on certain factors described in the International Distribution Agreement, which royalty fee will be subject to escalation annually, beginning in calendar year 2018, on the terms described in the International Distribution Agreement. For calendar years 2016, 2017 and 2018, ABWI has paid us one-time fees of \$3.0 million, \$5.0 million and \$6.0 million in January of 2017, 2018 and 2019, respectively. These amounts are subject to proration if the International Distribution Agreement is terminated early in any given year. The sum of the fees is recognized in Beer Related Net sales on a straight-line basis over the 10-year contract term, while the fees are collected in the first quarter of the year following the applicable calendar year.

The International Distribution Agreement contains specified termination rights, including, among other things, the right of either party to terminate the International Distribution Agreement if (a) the other party fails to perform any material obligation under the International Distribution Agreement, subject to certain cure rights or (b) the Brewing Agreement is terminated pursuant to certain specified provisions thereof. In addition, ABWI has the right to terminate the International Distribution Agreement upon 90 days’ prior written notice to us following (i) a “change of control event” (as defined above) that occurs or for which a definitive agreement is entered into prior to August 23, 2019, and is subsequently completed, or (ii) the earliest of (x) our rejection of a “qualifying offer” (as defined above), (y) the completion of a transaction implementing a qualifying offer, and (z) our failure to enter into a definitive transaction agreement within 120 days following receipt of a qualifying offer, with certain exceptions (each of the foregoing subclauses (x) through (z), a “qualifying offer lapse”). Following termination of the International Distribution Agreement due to a qualifying offer lapse, or any change of control event, ABWI shall have the right to purchase the international distribution rights for each of our brands then being distributed under the International Distribution Agreement at the fair market value of such rights, and on otherwise customary terms and conditions, as set forth in the International Distribution Agreement.

Under the International Distribution Agreement, ABWI will also be required to make a one-time \$20.0 million payment to us on August 23, 2019. The payment is being recognized in Beer Related Net sales on a straight-line basis over the 10-year contract term. However, ABWI will not (subject to compliance with certain notice requirements) be obligated to make such one-time payment if, prior to that date, (i) a “change of control event” occurs or a definitive agreement for a transaction constituting a change of control event is entered into, (ii) ABWI (or an affiliate thereof) makes a qualifying offer and there is a qualifying offer lapse or (iii) we enter into a definitive agreement with ABWI (or an affiliate thereof) with respect to a qualifying offer but such agreement is subsequently terminated, other than for certain regulatory reasons (in which case the \$20.0 million shall remain payable). Unless terminated sooner, the International Distribution Agreement will continue in effect until December 31, 2026.

Amendment to A-B Distributor Agreement

On August 23, 2016, we entered into Amendment No. 3 (“Amendment No. 3”) to the Amended and Restated Master Distributor Agreement with A-B, dated as of May 1, 2011, as amended, between us and A-B (the “A-B Distributor Agreement”). Pursuant to Amendment No. 3, A-B and we agreed to extend the Master Distributor Agreement through

December 31, 2028 (the “Term”), and to maintain the existing margin fee structure of \$0.25 per case-equivalent in the Master Distributor Agreement through the Term. Without Amendment No. 3, beginning on January 1, 2019, a margin fee of \$0.75 per case equivalent would have been payable by us under the Master Distributor Agreement. Amendment No. 3 also provides that, beginning on January 1, 2019, we will reinvest an aggregate amount equal to \$0.25 per case equivalent in sales and marketing efforts for our products, subject to specified terms and conditions set forth in Amendment No. 3.

Pursuant to Amendment No. 3, A-B will have the ability to deliver a revocation notice and reinstitute the terms of the Master Distributor Agreement as they existed prior to Amendment No. 3 following (i) a “change of control event” (as defined above) that occurs prior to the third anniversary of Amendment No. 3 or for which a definitive agreement is entered into prior to the third anniversary of Amendment No. 3 and is subsequently consummated or (ii) the earliest to occur of (a) our rejection of a "qualifying offer" (as defined above), (b) the completion of a transaction implementing a qualifying offer, and (c) 120 days following the receipt of a qualifying offer by us, if A-B (or an affiliate thereof) and we are unable to enter into a definitive agreement with respect thereto, notwithstanding A-B’s (or its affiliate’s) and our good faith and reasonable efforts to negotiate such a definitive agreement, subject to certain additional conditions.

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Contract pricing may not be commensurate with amounts that an independent market participant would pay due to the related party nature of the agreements.

Exchange Agreement

We have also entered into an Amended and Restated Exchange and Recapitalization Agreement (the “Exchange Agreement”) with A-B, pursuant to which we have granted A-B certain contractual rights. The Exchange Agreement originally was entered into in 2004 as part of a recapitalization in which we redeemed preferred shares held by A-B in exchange for cash and the shares of our common stock currently held by A-B. A-B owned 6,069,047, or approximately 31.3%, of our outstanding shares of common stock at December 31, 2018.

The Exchange Agreement entitles A-B to designate two members of our board of directors. A-B also generally has the right to have a designee on each committee of the board of directors, except where prohibited by law or stock exchange requirements, or with respect to a committee formed to evaluate transactions or proposed transactions between A-B and us. The Exchange Agreement contains limitations on our ability to take certain actions without A-B’s prior consent, including, but not limited to, our ability to issue equity securities or acquire or sell assets or stock, amend our Articles of Incorporation or Bylaws, grant board representation rights, enter into certain transactions with affiliates, distribute our products in the United States other than through A-B or as provided in the A-B Distributor Agreement, or voluntarily terminate our listing on the Nasdaq Stock Market.

On August 23, 2016, we entered into an amendment to the Exchange Agreement with A-B providing it with rights, following a “change of control event” or a “qualifying offer,” similar to those described above under “Amendment to A-B Distributor Agreement.”

Transactions with Wynwood

As of December 31, 2018, Wynwood was a wholly owned subsidiary and, as of December 31, 2017, we owned a 24.5% interest in Wynwood. See Note 5 for additional information.

Transactions with Wynwood consisted of the following (in thousands):

	Year Ended December 31,		
	2018	2017	2016
Master distributor fee earned	\$27	\$18	\$—
Royalty fee paid	—	94	—
Brewery representative reimbursement, classified as a reduction of Selling, general and administrative expenses	—	90	—
Share of loss, classified as a component of Other income (expense), net	44	75	—
Refund of investment, classified as a reduction in the carrying value of the equity method investment	23	—	—

Amounts receivable from or due to Wynwood were as follows (in thousands):

	December 31, 2018
Amounts receivable related to raw materials and alternating proprietorship fees ⁽¹⁾	\$—148
Amounts receivable related to Brewery representative reimbursements	—32
Amounts due related to purchases of beer pursuant to the distributor agreement	—(116)
Amounts due related to Royalty fees	—(4)
Net amount receivable	\$—60

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Note 20. Brewing Arrangement and Termination Thereof with Pabst Northwest Brewing Company

On January 8, 2016, we entered into brewing agreements ("the brewing agreements") with Pabst Northwest Brewing Company ("Pabst"), a subsidiary of Pabst Brewing Company, under which Pabst had the ability to brew selected Rainier Brewing Company and other brands at our brewery in Woodinville, Washington under a license agreement and was required to pay us contract brewing volume shortfall fees in each of 2016 and 2017 stemming from brewing volumes below committed levels. In conjunction with the brewing agreements, we granted Pabst an option to purchase the Woodinville brewery and adjacent pub, as well as related assets, at any time prior to termination of the brewing agreements.

Effective May 1, 2017, we reached an agreement with Pabst to terminate the brewing agreements. Pabst's option to purchase the Woodinville brewery and adjacent pub was also terminated. Pabst agreed to pay us \$2.7 million in connection with the termination of the brewing agreements and purchase option.

We deferred recognition of the termination payment in our results of operations until the fourth quarter of 2017 due to the potential obligation to pay Pabst up to \$2.7 million, if the Woodinville brewery was sold to a specified party, which did not occur. Of the \$2.7 million, \$1.7 million was recorded in Sales and \$1.0 million was recorded in Selling, general and administrative expenses.

Ceasing Production at our Woodinville, Washington Brewery

We ceased production at our Woodinville, Washington brewery as of July 1, 2017. As a result, we incurred \$250,000 in incremental employee and severance related costs and \$150,000 to safely and properly prepare the brewing equipment to become idle during the second and third quarters of 2017, respectively. We incurred approximately \$100,000 in additional costs during the fourth quarter of 2017 to further prepare the brewing equipment to be idle, which were expensed as incurred. These expenses are recorded in our Consolidated Statements of Operations for the applicable periods.

See Note 21 for a discussion of the classification of the assets related to our Woodinville brewery as assets held for sale.

Note 21. Assets Held for Sale and Sale of Woodinville, Washington Brewery

Assets held for sale at December 31, 2017 represented the assets related to our Woodinville, Washington Brewery, which was designated as held for sale on May 1, 2017. At the end of 2017, a \$493,000 impairment charge was recorded, as a component of Selling, general and administrative expenses in our Consolidated Statements of Operations, related to the sale of our Woodinville brewery, which was sold on January 12, 2018 to assignees of Sound Commercial Investment Holdings, LLC, for a total purchase price of \$24.5 million (the "Sale Transaction").

The assets that were sold included the real property, equipment, fixtures, mechanical systems, and certain personal property used in our operation of the brewery and adjacent brewpub. We paid real estate brokerage commissions totaling \$0.6 million from the sale proceeds and recorded a gain of \$0.5 million during the quarter ended March 31, 2018 related to the Sale Transaction, which was recorded as a component of Selling, general and administrative expenses in our Consolidated Statements of Operations.

In contemplation of the sale of certain brewing and bottling equipment included in the Sale Transaction, \$0.5 million of the total purchase price was placed in escrow following the closing. If the purchaser of the equipment had sold it for less than \$3.5 million, the shortfall would have been paid to the purchaser up to the amount held in escrow, with the balance, if any, paid to us. The Woodinville brewing and bottling equipment was sold for more than \$3.5 million in the first quarter of 2018 and, accordingly, the \$0.5 million in escrow was remitted to us.

Assets held for sale were as follows (in thousands):

	December 31, 2017
Brewery equipment	\$6,972
Buildings	12,562
Land and improvements	3,451
Furniture, fixtures and other equipment	454
	23,439
Impairment of assets held for sale	(493)
	\$22,946

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Item 9. Changes In and Disagreements With Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

Disclosure Controls and Procedures

Our management, including our Chief Executive Officer and our Principal Accounting Officer, who has been performing the functions of the Chief Financial Officer since July 16, 2018, carried out an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Exchange Act Rule 13a-15(e)) under the Securities Exchange Act of 1934 ("Exchange Act") as of the end of the period covered by this report. Based on that evaluation, our Chief Executive Officer and Principal Accounting Officer concluded that, as of the end of the period covered by this report, disclosure controls and procedures were effective to ensure that information required to be disclosed in the reports filed or submitted by us under the Exchange Act is recorded, processed, summarized and reported within the time periods specified by the Securities and Exchange Commission's rules and forms and that such information is accumulated and communicated to management, including our Chief Executive Officer and Principal Accounting Officer, as appropriate, to allow timely decisions regarding required disclosures. While reasonable assurance is a high level of assurance, it does not mean absolute assurance. Disclosure controls and internal control over financial reporting cannot prevent or detect all errors, misstatements or fraud. In addition, the design of a control system must recognize that there are resource constraints, and the benefits associated with controls must be proportionate to their costs.

Report of Management on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting in accordance with Exchange Act Rule 13a-15(f). Our internal control system is designed to provide reasonable assurance to our management and Board of Directors regarding the preparation and fair presentation of our published financial statements. Because of its inherent limitations, internal control over financial reporting is not intended to provide absolute assurance that a misstatement of our financial statements would be prevented or detected.

As of the end of 2018, our management assessed the effectiveness of our internal control over financial reporting based on the framework and criteria established in Internal Control - Integrated Framework, issued in 2013 by the Committee of Sponsoring Organizations of the Treadway Commission. In October 2018, we completed the acquisition of the remaining 75.5% of outstanding equity in Wynwood Brewing Company, LLC ("Wynwood"), such that Wynwood was a wholly owned subsidiary of the Company at December 31, 2018. Also, in November 2018, we acquired substantially all the assets of Appalachian Mountain Brewery ("AMB"). Management excluded the AMB assets and Wynwood from our 2018 assessment of the effectiveness of our internal control over financial reporting as of December 31, 2018. Together, the acquisitions represented approximately 7.9% of our total assets as of December 31, 2018, and from the respective dates of acquisition, the combined revenues related to the acquisitions totaled approximately 0.5% of our total revenues for the year ended December 31, 2018. These business operations will be included in our assessments of internal control over financial reporting beginning no later than one year following the respective date of acquisition. Based on this assessment, management concluded that our internal control over financial reporting was effective as of December 31, 2018.

Changes in Internal Control Over Financial Reporting

During the fourth quarter of 2018, other than as described below, no changes in our internal control over financial reporting were identified in connection with the evaluation required by Exchange Act Rule 13a-15 or 15d-15 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

During the first quarter of 2018, we implemented ASC 606, Revenue from Contracts with Customers. Although the new revenue standard is not expected to have a material impact on our ongoing net income, we did implement changes to our processes related to revenue recognition and the control activities within them. These included the development of new policies based on the five-step model provided in the new revenue standard, ongoing assessment of any variable consideration, new training, ongoing contract review requirements, and gathering of information provided for disclosures.

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During the fourth quarter of 2018, we completed the asset acquisition of Cisco, acquired substantially all the assets of AMB and increased our ownership interest in Wynwood from 24.5% to 100%. We implemented six new internal controls related to the acquisitions, including completely and accurately identifying all related costs, valuation of assets and liabilities acquired including tangible and intangible assets and any required adjustments related to the transactions.

Report of Independent Registered Public Accounting Firm

Moss Adams LLP, an independent registered public accounting firm, has audited the effectiveness of our internal control over financial reporting as of December 31, 2018, as stated in their report, which is included herein.

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Shareholders and the Board of Directors of
Craft Brew Alliance, Inc.

Opinion on Internal Control over Financial Reporting

We have audited Craft Brew Alliance, Inc.'s (the "Company") internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO"). In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control - Integrated Framework (2013) issued by COSO.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) ("PCAOB"), the consolidated balance sheets of Craft Brew Alliance, Inc. as of December 31, 2018 and 2017, the related consolidated statements of operations, comprehensive income (loss), shareholders' equity, and cash flows for each of the three years in the period ended December 31, 2018, and the related notes (collectively referred to as the "consolidated financial statements") and our report dated March 6, 2019 expressed an unqualified opinion on those consolidated financial statements.

Basis for Opinion

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Report of Management on Internal Control over Financial Reporting included in Item 9A. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audit also included performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

As discussed in Management's Report on Internal Control Over Financial Reporting, on October 10, 2018, the Company acquired Wynwood Brewing Co. ("Wynwood") and Cisco Brewers, Inc. ("Cisco"), and on November 29, 2018, the Company acquired Appalachian Mountain Brewery ("AMB"). For the purposes of assessing internal control over financial reporting, management excluded Wynood, Cisco and AMB, whose combined financial statements constitute 0.9% of the Company's consolidated total assets (excluding \$40.38 million of goodwill and intangible assets, which were integrated into the Company's control environment) and 0.2% of consolidated net revenues, as of and for the year ended December 31, 2018. Accordingly, our audit did not include the internal control over financial reporting of Wynwood, Cisco and AMB.

Definition and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance

with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ Moss Adams LLP

Portland, Oregon
March 6, 2019

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Item 9B. Other Information

None.

PART III

Item 10. Directors, Executive Officers and Corporate Governance

The information required by this Item is contained in part in our definitive proxy statement for our 2019 Annual Meeting of Shareholders to be held on May 14, 2019 (the “2019 Proxy Statement”) under the captions “Board of Directors – Nominees for Director,” “Board of Directors – Committees of the Board – Audit Committee,” “Executive Officers,” and “Section 16(a) Beneficial Ownership Reporting Compliance,” and the information contained therein is incorporated herein by reference.

Code of Conduct

We adopted a Code of Conduct and Ethics (the “Code”) applicable to all employees, including our principal executive officer, principal financial officer, principal accounting officer and directors. The Code and the charters of each of the Board committees are posted on our website at www.craftbrew.com (select Investor Relations — Governance — Highlights). Copies of these documents are available to any shareholder who requests them. Such requests should be directed to Investor Relations, Craft Brew Alliance, Inc., 929 N. Russell Street, Portland, OR 97227. Any waivers of the Code for our directors or executive officers are required to be approved by our Board of Directors. We will disclose any such waivers on a current report on Form 8-K within four business days after the waiver is approved.

Item 11. Executive Compensation

Information required by this Item is contained in our 2019 Proxy Statement under the captions “Compensation Discussion and Analysis,” “Compensation Committee Report,” “Executive Compensation,” “Employment Agreements and Potential Payments Upon Termination or Change-in-Control,” “Director Compensation” and “Board of Directors – Committees of the Board – Compensation Committee” and the information contained therein is incorporated herein by reference.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

Securities Authorized for Issuance Under Equity Compensation Plans

The following is a summary as of December 31, 2018 of all of our plans that provide for the issuance of equity securities as compensation. See Note 14 of Notes to Consolidated Financial Statements in Part II, Item 8 of this report for additional information.

Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants and rights (a)	Weighted average price of outstanding options, warrants and rights (b)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected

				in column (a) (c)
Equity compensation plans approved by shareholders	535,023	(1)	\$ 9.82	430,662
Equity compensation plans not approved by shareholders	—		—	—
Total	535,023		\$ 9.82	430,662

Includes a total of 79,368 performance shares that may vest between April 1, 2019 and March 31, 2021, based on the expected levels of achievement of financial targets over two separate performance periods, and 149,165 RSUs. (1) These shares are excluded from the calculation of weighted average price in column (b) because they have no exercise price.

The remaining information required by this Item is contained in our 2019 Proxy Statement under the caption “Security Ownership of Certain Beneficial Owners and Management,” and the information contained therein is incorporated herein by reference.

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Item 13. Certain Relationships and Related Transactions, and Director Independence

The information required by this Item is contained in our 2019 Proxy Statement under the captions “Transactions with Related Persons” and “Board of Directors – Director Independence” and the information contained therein is incorporated herein by reference.

Item 14. Principal Accountant Fees and Services

The information required by this Item is contained in our 2019 Proxy Statement under the caption “Proposal No. 2 — Ratification of Appointment of Independent Registered Public Accounting Firm” and the information contained therein is incorporated herein by reference.

PART IV

Item 15. Exhibits and Financial Statement Schedules

Financial Statements and Schedules

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Report of Moss Adams LLP, Independent Registered Public Accounting Firm	<u>39</u>
Consolidated Balance Sheets as of December 31, 2018 and 2017	<u>40</u>
Consolidated Statements of Operations for the Years Ended December 31, 2018, 2017 and 2016	<u>41</u>
Consolidated Statements of Comprehensive Income (Loss) for the Years Ended December 31, 2018, 2017 and 2016	<u>42</u>
Consolidated Statements of Common Shareholders’ Equity for the Years Ended December 31, 2018, 2017 and 2016	<u>43</u>
Consolidated Statements of Cash Flows for the Years Ended December 31, 2018, 2017 and 2016	<u>44</u>
Notes to Consolidated Financial Statements	<u>45</u>

There are no schedules required to be filed herewith.

Exhibits

The following exhibits are filed herewith or incorporated by reference and this list is intended to constitute the exhibit index.

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Exhibit Number	Description
<u>2.1</u> **	Commercial and Investment Real Estate Purchase and Sale Agreement between Sound Commercial Investment Holdings, LLC, and Craft Brew Alliance, Inc., dated as of November 29, 2017, as amended by an Addendum dated December 29, 2017, and a Second Addendum dated January 5, 2018 (incorporated by reference from Exhibit 2.1 to the Registrant's Current Report on Form 8-K filed on January 19, 2018)
<u>3.1</u>	Restated Articles of Incorporation of the Registrant, dated January 2, 2012 (incorporated by reference from Exhibit 3.1 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2011)
<u>3.2</u>	Amended and Restated Bylaws of the Registrant, dated December 1, 2010 (incorporated by reference from Exhibit 3.2 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2010)
<u>10.1</u> *	2010 Stock Incentive Plan (incorporated by reference to Exhibit 10.1 to the Registrant's Form 10-K for the year ended December 31, 2017)
<u>10.2</u> *	Form of Nonqualified Stock Option Agreement (Executive Officer Grants) for the 2010 Stock Incentive Plan (incorporated by reference from Exhibit 10.11 to the Registrant's Form 10-K for the year ended December 31, 2010)
<u>10.3</u> *	Form of Performance Share Award Agreement for Executive Officers for the 2010 Stock Incentive Plan (incorporated by reference from Exhibit 10.1 to the Registrant's Form 10-Q for the quarter ended March 31, 2014)
<u>10.4</u> *	2014 Stock Incentive Plan (incorporated by reference from Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on May 27, 2014)
<u>10.5</u> *	Form of Nonqualified Option Agreement for the 2014 Stock Incentive Plan (incorporated by reference from Exhibit 10.1 to the Registrant's Form 10-Q for the quarter ended June 30, 2015)
<u>10.6</u> *	Form of Performance Share Award Agreement for Executive Officers for Awards in 2015 under the 2014 Stock Incentive Plan (incorporated by reference from Exhibit 10.1 to the Registrant's Form 10-Q for the quarter ended March 31, 2015)
<u>10.7</u> *	Form of Performance Share Award Agreement for Executive Officers for Awards in 2016 and 2017 under the 2014 Stock Incentive Plan (incorporated by reference from Exhibit 10.1 to the Registrant's Form 10-Q for the quarter ended March 31, 2017)
<u>10.8</u> *	Form of Restricted Stock Unit Award Agreement for the 2014 Stock Incentive Plan (incorporated by reference from Exhibit 10.7 to the Registrant's Form 10-K for the year ended December 31, 2016)
<u>10.9</u> *+	Employment Agreement between the Registrant and Andrew J. Thomas, dated December 27, 2018
<u>10.10</u> *+	Employee Noncompetition and Nonsolicitation Agreement between the Registrant and Andrew J. Thomas, dated January 1, 2019
<u>10.11</u> *+	Employment Agreement between the Registrant and J. Scott Mennen, dated December 27, 2018
<u>10.12</u> *+	Employee Noncompetition and Nonsolicitation Agreement between the Registrant and J. Scott Mennen, dated January 1, 2019
<u>10.13</u> *	Employment Agreement between the Registrant and Kenneth C. Kunze, dated July 1, 2016 (incorporated by reference from Exhibit 10.4 to the Registrant's Form 10-Q for the quarter ended June 30, 2016)
<u>10.14</u> *+	Employment Agreement between the Registrant and Derek Hahm, dated June 28, 2016
<u>10.15</u> *	Summary of Compensation Arrangements for Non-Employee Directors as of January 1, 2018 (incorporated by reference from Exhibit 10.1 to the Registrant's Form 10-Q for the quarter ended March 31, 2018)
<u>10.16</u> *+	Amended and Restated Annual Cash Incentive Plan
<u>10.17</u>	Sublease between Pease Development Authority as Sublessor and the Registrant as Sublessee, dated May 30, 1995 (incorporated by reference to Exhibit 10.19 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2017)
<u>10.18</u>	Amended and Restated Credit Agreement, dated November 30, 2015, among the Registrant, its subsidiaries, and Bank of America, N.A. (incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on December 3, 2015)

10.19+ First Amendment dated October 10, 2018 to Amended and Restated Credit Agreement among the Registrant, its subsidiaries, and Bank of America, N.A.

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Exhibit Number	Description
<u>10.20</u>	Amended and Restated Security Agreement, dated November 30, 2015, among the Registrant, its subsidiaries, and Bank of America, N.A. (incorporated by reference from Exhibit 10.2 to the Registrant's Current Report on Form 8-K filed on December 3, 2015)
<u>10.21</u>	Amended and Restated Continuing and Unconditional Guaranty, dated November 30, 2015, among the Registrant, its subsidiaries, and Bank of America, N.A. (incorporated by reference from Exhibit 10.3 to the Registrant's Current Report on Form 8-K filed on December 3, 2015)
<u>10.22</u>	Amended and Restated Exchange and Recapitalization Agreement dated as of May 1, 2011 between the Registrant and Anheuser-Busch, LLC ("A-B") as successor in interest to Anheuser-Busch, Incorporated (incorporated by reference from Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on May 4, 2011)
<u>10.23</u>	Amendment No. 1 to Amended and Restated Exchange and Recapitalization Agreement, dated August 23, 2016, by and between the Registrant and A-B (incorporated by reference from Exhibit 10.4 to the Registrant's Current Report on Form 8-K filed on August 24, 2016)
<u>10.24</u>	Amended and Restated Master Distributor Agreement dated as of May 1, 2011 between the Registrant and A-B (the "A-B Master Distributor Agreement") (incorporated by reference from Exhibit 10.2 to the Registrant's Current Report on Form 8-K filed on May 4, 2011)
<u>10.25</u>	Amendment to A-B Master Distributor Agreement dated May 11, 2012 (incorporated by reference from Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2012)
<u>10.26</u>	Amendment to A-B Master Distributor Agreement dated November 20, 2013 (incorporated by reference from Exhibit 10.35 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2013)
<u>10.27</u>	Amendment No. 3 to the A-B Master Distributor Agreement, dated August 23, 2016 (incorporated by reference from Exhibit 10.3 to the Registrant's Current Report on Form 8-K filed on August 24, 2016)
<u>10.28</u> [†]	Contract Brewing Agreement, dated August 23, 2016, by and between the Registrant and A-B Commercial Strategies, LLC (incorporated by reference from Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on August 24, 2016)
<u>10.29</u> ⁺	Contract Brewing Agreement between Anheuser-Busch Companies, LLC and Craft Brew Alliance, Inc. dated January 30, 2018, as amended February 20, 2019
<u>10.30</u> [†]	International Distribution Agreement, dated August 23, 2016, by and between the Registrant and Anheuser-Busch Worldwide Investments, LLC (incorporated by reference from Exhibit 10.2 to the Registrant's Current Report on Form 8-K filed on August 24, 2016)
<u>10.31</u>	Registration Rights Agreement dated as of July 1, 2004 between the Registrant and A B (incorporated by reference from Exhibit 10.3 to the Registrant's Current Report on Form 8-K filed on July 2, 2004) (File No. 0-26542)
<u>10.32</u>	Master Lease Agreement dated as of June 6, 2007 between Banc of America Leasing & Capital, LLC and Widmer Brothers Brewing Company (incorporated by reference from Exhibit 10.2 to the Registrant's Amendment No. 1 to the Registration Statement on Form S-4, No. 333-149908 filed on May 2, 2008 ("S-4 Amendment No. 1"))
<u>10.33</u>	Amended and Restated License Agreement dated as of February 28, 1997 between Widmer Brothers Brewing Company and Widmer's Wine Cellars, Inc. and Canandaigua Wine Company, Inc. (incorporated by reference to Exhibit 10.3 from the S-4 Amendment No. 1)
<u>10.34</u>	Restated Lease dated as of January 1, 1994 between Smithson & McKay Limited Liability Company and Widmer Brothers Brewing Company (incorporated by reference to Exhibit 10.3 to the Registrant's Form 10-Q for the quarter ended September 30, 2010)
<u>10.35</u>	Commercial Lease (Restated) dated as of December 18, 2007 between Widmer Brothers LLC and Widmer Brothers Brewing Company (incorporated by reference to Exhibit 10.5 from the S-4 Amendment No. 1)
<u>10.36</u>	Sublease dated as of September 1, 2010 between Manini Holdings, LLC and Kona Brewing Co., LLC. (incorporated by reference from Exhibit 10.41 to the Registrant's Form 10-K for the year ended December 31,

2010)

10.37† Amended and Restated Continental Distribution and Licensing Agreement between the Registrant and Kona Brewery LLC dated March 26, 2009 (incorporated by reference from Exhibit 10.4 to the Registrant's Form 10-Q for the quarter ended September 30, 2010)

10.38 Sublease dated as of March 31, 2011 between Manini Holdings, LLC and Kona Brewing Co., LLC (incorporated by reference from Exhibit 10.43 to the Registrant's Amendment No. 1 to Form 10-K for the year ended December 31, 2010)

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Exhibit Number	Description
<u>21.1+</u>	Subsidiaries of the Registrant (incorporated by reference from Exhibit 21.1 to the Registrant's Form 10-K for the year ended December 31, 2010 filed on April 1, 2011)
<u>23.1+</u>	Consent of Moss Adams LLP, Independent Registered Public Accounting Firm
<u>24.1+</u>	Power of Attorney – Directors of Craft Brew Alliance, Inc.
<u>31.1+</u>	Certification of Chief Executive Officer of Craft Brew Alliance, Inc. pursuant to Exchange Act Rule 13a-14(a)
<u>31.2+</u>	Certification of Principal Accounting Officer of Craft Brew Alliance, Inc. pursuant to Exchange Act Rule 13a-14(a)
<u>32.1+</u>	Certification of Form 10-K for the year ended December 31, 2018 pursuant to Exchange Act Rule 13a-14(b) and 18 U.S.C. Section 1350
<u>99.1+</u>	Press Release dated March 6, 2019
<u>99.2+</u>	Description of Common Stock
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema Document
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	XBRL Taxonomy Extension Label Linkbase Document
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document

*Denotes a management contract or a compensatory plan or arrangement.

** The Company has omitted schedules and similar attachments pursuant to Item 601(b)(2) of Regulation S-K and will furnish a copy of any omitted schedule or similar attachment to the United States Securities and Exchange Commission upon request.

+Document filed with this Form 10-K

†Confidential treatment has been requested with respect to portions of this exhibit. A complete copy of the agreement, including the redacted terms, has been separately filed with the Securities and Exchange Commission.

Item 16. Form 10-K Summary

None.

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SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this Report to be signed on its behalf by the undersigned, thereunto duly authorized, in Portland, Oregon, on March 6, 2019.

Craft Brew Alliance, Inc.

By: /s/ Edwin A. Smith

Edwin A. Smith

Corporate Controller and

Principal Accounting Officer

Pursuant to the requirements of the Securities Exchange Act of 1934, this Report has been signed below by the following persons on behalf of the Registrant and in the capacities indicated, on March 6, 2019.

Signature	Title
/s/ Andrew J. Thomas Andrew J. Thomas	Chief Executive Officer (Principal Executive Officer)
/s/ Edwin A. Smith Edwin A. Smith	Corporate Controller and Principal Accounting Officer (Principal Accounting Officer and Acting Principal Financial Officer)
* David R. Lord	Chairman of the Board and Director
* Timothy P. Boyle	Director
* Marc J. Cramer	Director
* Paul D. Davis	Director
* Matthew E. Gilbertson	Director
* Kevin R. Kelly	Director
* Nickolas A. Mills	Director
* Jacqueline S. Woodward	Director
*By: /s/ Andrew J. Thomas Andrew J. Thomas, as attorney in fact	

