



**ORCHIDS PAPER PRODUCTS COMPANY**  
**2017 ANNUAL REPORT**  
**To Stockholders**



Dear Stockholders,

For Orchids Paper Products, 2017 was a transformational year as we approach the successful completion of our five-year strategic plan. During this time, we have invested approximately \$230 million to upgrade our assets and expand geographically. In implementing this plan, we expanded to the west coast with our strategic alliance with Fabrica, upgraded our equipment in the Pryor, Oklahoma plant, and expanded to the east coast with the new facility in Barnwell, South Carolina. Through this process, we have more than doubled our capacity and substantially improved the efficiency of our operations. Our current capacity is approximately 135,000 tons per annum.

The successful completion of our new Barnwell, South Carolina facility was a significant part of this strategic plan. This plant not only provides us with access to the east coast, but also incorporates a state-of-the-art QRT paper machine, which is one of the few machines on the market that can produce ultra-premium quality paper using low-cost fiber inputs. This technology will enable us to improve on our position as one of the lowest cost tissue producers in the industry, while providing new high-end product lines. It will also enable us to gain share in ultra-premium tissue, which is the fastest growing segment of the market.

We believe the achievements accomplished in 2017 position the Company to successfully harvest our investments in 2018 and beyond. In early 2017, we announced a significant amount of new business in the form of bid awards from new and existing customers that drove a meaningful improvement to revenue growth and margins in the second half of the year. In the third quarter of 2017, we announced a major new business award from a new customer in the warehouse club channel, which is one of the fastest growing channels in the industry and a new distribution channel for the Company. This second customer win represents our first major customer for ultra-premium tissue, which not only highlights our ability to compete in a competitive market but also validates our new QRT technology. We expect this new customer will account for most of the capacity at our new Barnwell facility. As this volume ramps and additional business is won, we expect to see significant improvement in growth and margins in the coming periods.

Our recent investments position the Company to prosper in 2018 and beyond. We believe we are now in the best position in our history to succeed and drive stockholder value. Even with all of the investments that we made over the past several years, I view our employees as our biggest asset. Through their hard work and dedication, we have successfully achieved the objectives of this ambitious strategic plan. I would like to thank all of our employees for their loyalty and commitment to the Company. I would also like to thank our customers and stockholders for their support throughout the year.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey Schoen", with a stylized, cursive script.

Jeffrey S. Schoen  
President and CEO

March 16, 2018



**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, 2017
- OR**
- ☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**  
For the transition period from \_\_\_\_\_ to \_\_\_\_\_  
Commission File Number: 001-32563



**ORCHIDS PAPER PRODUCTS COMPANY**

**A Delaware corporation**  
(State or other jurisdiction of incorporation or organization)

**23-2956944**  
(I.R.S. Employer Identification Number)

**4826 Hunt Street, Pryor, Oklahoma 74361**  
(Address of principal executive offices)

Registrant's telephone number, including area code: **(918) 825-0616**

Securities registered pursuant to Section 12(b) of the Act:

| Title of each class             | Name of each exchange on which registered |
|---------------------------------|-------------------------------------------|
| Common Stock, \$0.001 Par Value | NYSE American Exchange                    |

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 (§229.405 of this chapter) 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. ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, 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.

Large Accelerated Filer ☐ Accelerated Filer ☒ Non-accelerated Filer ☐ Smaller Reporting Company ☐  
(Do not check if a 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 Exchange Act). Yes ☐ No ☒

The aggregate market value of the registrant's common equity held by non-affiliates was approximately \$123.8 million as of June 30, 2017. As of March 1, 2018, there were outstanding 10,670,348 shares of common stock, none of which are held in treasury.

**DOCUMENTS INCORPORATED BY REFERENCE**

Portions of the definitive Proxy Statement for the Registrant's 2018 Annual Meeting of Stockholders (the "Annual Meeting of Stockholders") to be filed within 120 days after December 31, 2017, are incorporated by reference into Part III of this Form 10-K.



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## **PART I**

Throughout this Form 10-K we “incorporate by reference” certain information from parts of other documents filed with the Securities and Exchange Commission (the “SEC”). The SEC allows us to disclose important information by referring to it in that manner. Please refer to such information.

In Item 1A, we discuss some of the business risks and factors that could cause our actual results to differ materially from those stated in our forward-looking statements and from our historical results.

### **Item 1. BUSINESS**

#### **Overview of Our Business**

We are a customer focused, national supplier of high-quality consumer tissue products. We produce bulk tissue paper, known as parent rolls, and convert parent rolls into finished products, including paper towels, bathroom tissue and paper napkins. We generally sell excess parent rolls not required by our converting operation to other converters. Our integrated manufacturing facilities have flexible production capabilities, which allow us to produce high quality tissue products within short production times for customers in our target regions. This vertical integration, a low variable cost per unit, and the use of operating leverage, we believe, all provide a competitive advantage from a cost standpoint. We predominately sell our products under private labels to our core customer base in the “at home” market, which consists primarily of dollar stores, discount retailers and grocery stores that offer limited alternatives across a wide range of products. Our focus historically has been the dollar stores (which are also referred to as discount retailers) and the broader discount retail market because of their overall market growth, consistent order patterns and low number of stock keeping units (“SKUs”). The “at home” tissue market consists of several quality levels, including a value tier, premium tier and ultra-premium tier. To a lesser extent, we service customers in the “away from home” market, which includes companies in the janitorial market and food service market. Most of the products we sell in the “away from home” market are included in the value tier. While we expect to continue to service this market in the near term, we currently do not consider the “away from home” market a growth vehicle for us.

Our facilities have been designed to have the flexibility to produce and convert parent rolls across different product tiers and to use both virgin and recycled fibers to optimize quality and costs. We own an integrated facility in Pryor, Oklahoma with modern paper making and converting equipment, which primarily services the central United States. In 2015, we introduced a new paper machine and an additional converting line at our Pryor facility for an investment of approximately \$39 million. The new paper machine provides approximately 17,000 tons of parent roll capacity, resulting in total annual parent roll capacity of approximately 74,000 tons at our Pryor facility. The additional converting line added 12,500 tons of capacity, for a total of 82,500 tons of annual converting capacity at our Pryor facility. In June 2014, we expanded our geographic presence to service the west coast of the United States through a strategic transaction with Fabrica de Papel San Francisco, S.A. de C.V. (“Fabrica”), one of the largest tissue manufacturers by capacity in Mexico (the “Fabrica Transaction”). The Fabrica Transaction provided us exclusive access to Fabrica’s U.S. customers, enabling us to further penetrate the region, and the supply agreement (“Supply Agreement”) we entered into with Fabrica has provided access to up to 19,800 tons of product each year at cost.

As part of our strategy to be a national supplier of high quality consumer tissue products, we constructed a world-class integrated tissue operation in Barnwell, South Carolina, for a total investment of approximately \$165 million. We believe that this new facility allows us to better serve our existing customers in the Southeastern United States, while also enabling us to penetrate new customers in this region. The facility is designed to provide highly flexible, cost competitive production across all quality tiers with estimated parent roll capacity of 35,000 to 40,000 tons per year and estimated converting capacity of 30,000 to 32,000 tons per year. The paper machine utilizes a highly versatile process capable of producing all quality grades, including ultra-premium tier products. The first converting line was operational in the first quarter of 2016 and the second converting line was operational in the third quarter of 2016. The paper machine and de-inking plant were operational in the second half of 2017.

#### ***The Tissue Industry***

Annual sales of the overall tissue market is approximately \$15.3 billion, which consists of bath tissue, paper towels, facial tissues and paper napkins. Bath tissue represents the largest segment, accounting for

53% of the overall market followed by paper towels at 33%, facial tissue at 10% and paper napkins at 4%. The overall U.S. tissue industry has historically grown in line with population growth, or approximately 1%. The private label segment of the market has grown above the industry average as a result of taking share from the branded segment. Market share gains in the private label tissue market have been driven, in part, by increased efforts by retailers to compete, using their own brands. Also, improvements in tissue quality by private label manufacturers have made it more competitive and an attractive value proposition relative to branded tissue products. IRI Worldwide estimates that the private label segment of the tissue market grew 4.4% in 2017 (on a dollar sales basis) versus a decline of 1.8% for branded tissue.

Private label tissue accounts for approximately 26% of the overall market, with annual sales of \$4 billion. Branded tissue products account for the other 74%, or annual sales of \$11.3 billion. In dollar sales, the market share of private label in bath tissue, paper towels, facial tissue and paper napkins is approximately 21.4%, 31.0%, 23.9% and 54.4%, respectively.

The tissue industry is made up of the “at home” market, which represents the consumer retail segment, and the “away from home” segment, which represents tissue products used in establishments such as retail stores, offices buildings, hotels and food service establishments. There are approximately eight million tons of capacity in the U.S. market, two-thirds of which supply the “at home” market and the other third supplying the “away from home” market.

The quality tiers in the “at home” tissue market consists of value, premium and ultra-premium. While the overall tissue market is growing around 1%, the ultra-premium segment is growing much faster. The five-year CAGR for the ultra-premium segment is estimated to be around 12%.

### ***Converted Products***

The capacity of our twelve converting lines in Pryor, Oklahoma and two converting lines in Barnwell, South Carolina, are highly dependent upon the mix of products produced (e.g. bath tissue versus paper towels versus napkins) and the configuration of products produced (e.g. one roll pack versus multi-roll packs, the size of multi-roll packs (6-count versus 8-count versus 12-count), and sheet counts), and other factors affecting effective operational efficiencies. We have increased our capabilities to emboss, print, and scent our converted products as part of our innovation strategy.

### ***Parent Rolls***

We purchase various types of fibers to manufacture bulk rolls of tissue paper, called “parent rolls,” which we then convert into a broad line of finished tissue products. The fiber we source to manufacture our parent rolls consists primarily of pre-consumer recycled grades, with a lesser amount consisting of virgin kraft grades. As we continue our efforts to expand our product offerings into the higher quality tiers of the market, the percentage of virgin kraft grades that we purchase will likely increase. Our paper mill in Pryor has a pulping process, which takes recycled fibers and kraft fibers and processes them for use in our three paper machines. Our pulping operation has the ability to selectively process our mixed basket of fibers to achieve maximum quality and to control costs. In 2015, we replaced two of our older paper machines in Pryor with a new paper machine, which increased our tissue paper making capacity from approximately 57,000 tons to approximately 74,000 tons, depending upon the mix of paper grades produced. The new machine also reduced our manufacturing costs, improved product quality and increased manufacturing flexibility.

Generally, our parent roll production operation runs on a 24/7 operating schedule. Parent rolls we produce in excess of converting production requirements are sold, subject to other inventory management considerations, on the open market. Our strategy is to sell all of the parent rolls we manufacture as converted products (such as paper towels, bathroom tissue and napkins), which generally carry higher margins than non-converted parent rolls. Parent rolls are a commodity product and thus are subject to market pricing. We plan to continue to sell any excess parent roll capacity on the open market as long as market pricing is profitable. When converting production requirements exceed paper mill capacity, we supplement our paper making capacity by purchasing parent rolls on the open market, which we believe has an unfavorable impact on our gross profit margin.

## *Customers*

We supply both large national customers and regional customers while targeting high growth regions of the United States and high growth distribution channels. Our largest customers are Dollar General, Walmart (including Sam's Club) and Family Dollar (including its parent, Dollar Tree). Sales to these three customers represented approximately 67% of our converted product sales in 2017.

Our products are a daily consumable item. Therefore, the order stream from our customer base is fairly consistent with limited seasonal fluctuations. Changes in the national economy do not materially affect the market for our products due to their non-discretionary nature and high degree of household penetration; however, discount stores, a principal element of our customer base, may have higher sales during economic downturns. Demand for tissue typically grows in line with overall population, and our customers are typically located in regions of the U.S. where the population is growing faster than the national average. Private label markets have been growing as more consumers watch for value; however, competition between brand names and private labels continue a give and take.

We focus our sales efforts on areas within approximately 500 miles of our manufacturing facilities, as we believe this radius maximizes our freight cost advantage. Our target region around our Oklahoma facility includes the lower Mid-West. The Fabrica Transaction allowed us to more effectively service customers that are located in the Southwest. We believe our manufacturing facility in Barnwell, South Carolina will help us meet the growing demand in the Southeast. Demand for tissue in the "at home" tissue market has historically been closely correlated to population growth and, as such, performs well in a variety of economic conditions. Our expanded target region has experienced strong population growth in the past years relative to the national average, and these trends are expected to continue.

Our products are sold primarily under our customers' private labels and, to a lesser extent, under our brand names such as Orchids Supreme, Clean Scents, Tackle<sup>®</sup>, Colortex<sup>®</sup>, My Size<sup>®</sup>, Velvet<sup>®</sup>, and Big Mopper<sup>®</sup>. The Fabrica Transaction gave us the exclusive right to sell products under Fabrica's brand names in the United States, including under the names Virtue<sup>®</sup>, Truly Green<sup>®</sup>, Golden Gate Paper<sup>®</sup> and Big Quality<sup>®</sup>. All of our converted product net sales are derived through truckload purchase orders from our customers. Parent roll net sales are derived from purchase orders that generally cover a one-month time-period. We do not have supply contracts with any of our customers, which is the standard practice within our industry.

In 2017, we generated net revenue of \$162.5 million, of which 92% came from the sale of converted products and 8% came from the sale of parent rolls. Our converted product revenue consisted of 54% from paper towels, 43% from bathroom tissue, and 3% from paper napkins. In 2017, approximately 67% of our converted product net revenue came from our three largest customers. The balance of 2017 converted product net sales came from other discount retailers, grocery stores, grocery wholesalers and cooperatives, convenience stores, janitorial supply companies and companies in the food service market.

Our profitability depends on several key factors, including but not limited to:

- the types and costs of fiber used in producing paper;
- the volume of converted products produced and sold;
- the efficiency of operations in both our paper mills and converting facilities;
- freight costs;
- the market price of our products;
- the cost of energy;
- the costs of labor and maintenance;
- financial leverage undertaken, inclusive of its impacts upon interest expense and debt service; and
- capital spending requirements, inclusive of impacts upon depreciation

The private label tissue market is highly competitive, and many discount retail customers are extremely price sensitive. As a result, it is difficult to affect price increases. We expect these competitive conditions to continue.

## **History**

We were formed in April 1998 following the acquisition of our present facilities located in Pryor, Oklahoma and subsequently changed our name to Orchids Paper Products Company. In July 2005, we completed our initial public offering, and in July 2009, we completed a follow-on stock offering. In 2014, in conjunction with the Fabrica Transaction, we acquired certain papermaking and converting assets located in Mexicali, Mexico, as well as Fabrica's U.S. business. In April 2015, we completed a follow-on stock offering. The proceeds of \$32.1 million were used to help fund the construction of our greenfield site in Barnwell, South Carolina. Additionally, in May 2017, we established an "at the market" stock offering program ("ATM Program") through which we may, from time to time, issue and sell shares of our common stock having an aggregate gross sales price of up to \$40.0 million. During the year ended December 31, 2017, we realized net proceeds of \$5.0 million under the ATM Program, which were used for general corporate purposes. As of December 31, 2017, \$34.7 million of common stock remained available for issuance under the ATM Program.

## **Competitive Conditions**

We believe the principal competitive factors in the markets in which we operate are product-quality attributes, brand-recognition, price, customer service, positive customer-relationships, low cost, investing capital wisely in modern equipment and technologies, a strategically located manufacturing footprint, innovation to differentiate our products, an experienced management team with a proven track record, a broad line of product offering, and flexible converting capabilities. This flexibility allows us to meet the particular demands of individual retailers. We believe the product quality attributes that can be produced from our converting lines, new processes on our newest paper machines and other new product development initiatives will allow us to effectively compete in the higher tier markets.

Competition in the tissue market is significantly affected by geographic location, as freight costs represent a material portion of end-product costs. We believe it is generally economically feasible for us to ship within an approximate 900-mile radius of the production site; however, we primarily focus on an approximate 500-mile radius, as we believe this radius maximizes our freight cost advantage over our competitors. In our markets, we believe there are the following significant private-label competitors: Georgia Pacific, Cascades, Sofidel, Clearwater Paper Corporation, Kruger Inc., Resolute Forest Products, Royal Paper, and Asia Pulp and Paper.

The private label tissue market is highly fragmented. Large capital expenditures required to establish a paper mill and converting facility and difficulties in obtaining environmental and local permits for parent roll manufacturing facilities may discourage new entrants into the market. A number of competitors have announced their own capacity expansions, principally in structured tissue, intended to service the ultra-premium market. Population growth and other trends may consume the added capacity within the next three years, but the greater impact may be upon the ultra-premium products and their margins, a market that Orchids has only been servicing on the West Coast, prior to constructing its Barnwell, South Carolina, facility. The Barnwell, South Carolina, facility is the only private-label manufacturer, of whom we are aware, using a relatively new ultra-premium tissue capability developed by Valmet Corporation ("Valmet") that is expected to produce a higher-quality structured tissue at a lower cost than the new tissue technology ("NTT") and a comparable high-quality structured tissue at a lower cost than the through air drying ("TAD") technology announced by others.

## **Product Overview**

We offer our customers an array of private label products, including bathroom tissue, paper towels and paper napkins, across the value, premium and ultra-premium market segments. In 2017, 53% of our converted product case shipments were paper towels, 44% were bathroom tissue and 3% were paper napkins. Of our converted products sold in 2017, 74% were packaged as private label products in accordance with our customers' specifications. The remaining 26% were packaged under our brands and

those licensed from Fabrica. We have not actively promoted our brand names and do not believe our brand names have significant market recognition. However, we are continuing to introduce and expand upon our brand-lines and we hope to increase our market recognition through innovation and future promotions. Our core customer base consists of discount retailers (including dollar stores). We also sell our products to mass merchandisers, club stores, grocery stores, grocery wholesalers and cooperatives, convenience stores, janitorial supply stores and stores in the food service market. Our recent growth has come from diversifying our customers base by providing products for all market tiers, principally to mass merchandiser and club stores. We believe we were among the first to focus on serving customers in the discount retail channel and we have benefited from their increased emphasis on consumables, such as tissue products and the expansion of their private label product line into higher tiers as part of their merchandising strategies. By seeking to provide improved product quality, consistently competitive prices, and superior customer service, we believe we have differentiated ourselves from our competitors and generated positive relationships with our customers. In 2017, approximately 55% of our converted product net sales were derived from sales to the discount retail channel.

With strategic capital investments and new product development work on our paper machines and converting equipment, we are increasingly able to provide higher quality products and broaden our product offering into the higher tier markets through improved quality of paper, increased packaging configurations, enhanced graphics, improved embossing, and use of scents. Part of our strategy to optimize converted product sales is to increase our sales of premium and ultra-premium tier products, as these products typically have a higher gross margin than value tier products. Prior to the completion of the Barnwell, South Carolina paper mill, we only had the capability to manufacture a relatively small volume of structured tissue/ultra-premium products through the Supply Agreement with Fabrica. With the completion of the mill at the Barnwell, South Carolina facility, we expect to be able to produce and sell 35,000 tons, or more, of the best ultra-premium grade paper at relatively higher margins in 2018.

Our ability to increase sales depends significantly upon ramping-up new business already promised and our ability to win new private label bids and grow our own brands. We have been successfully bidding, with new and existing retailers, into new distribution channels and into premium and ultra-premium tier markets. We are focusing on diversifying our customer base and reducing customer concentration.

Our largest customers in 2017 were Dollar General, Walmart (including Sam's Club) and Family Dollar (including its parent, Dollar Tree). Sales to these three customers represented approximately 67% of our converted product sales in 2017. The following provides additional details regarding our relationships with our largest customers:

*Dollar General.* Dollar General is our largest customer, accounting for approximately 31% of our converted product net sales in 2017. With 2016 annual revenue of \$22 billion and more than 14,000 stores in 44 states, Dollar General is among the largest discount retailers in the United States. We currently supply value tier and premium tier products to Dollar General.

*Walmart/Sam's Club.* Walmart and its stores, including Sam's Club, is our second largest customer, accounting for approximately 20% of our converted product net sales in 2017. Walmart significantly increased its business with Orchids in mid-2017. With 2016 annual revenue in excess of \$480 billion, Walmart is a leading retail and wholesale provider, serving customers under 59 banners in 28 countries and e-commerce websites in 11 countries. We currently supply value tier and premium tier products to Walmart. We currently supply ultra premium products to Sam's Club.

*Family Dollar/Dollar Tree.* Family Dollar along with its parent company, Dollar Tree, is our third largest customer, accounting for approximately 16% of our converted product net sales in 2017. Dollar Tree is a leading operator of discount variety stores, operating from over 14,300 retail stores under its two banners — Dollar Tree and Family Dollar. Family Dollar operates almost 8,000 stores in 46 states. Family Dollar currently has eleven distribution centers throughout the United States. We currently supply value tier and premium tier products to Family Dollar.

## **Sales and Marketing Team**

We maintain an internal sales team of approximately seven employees led by our Vice President of Sales and Marketing. Our sales staff directly services eight customers representing approximately 75% of

our converted product sales in 2017 and indirectly services all other customers by supervising our network of approximately 40 brokers. Our sales staff and broker network are instrumental in establishing and maintaining strong relationships with our customers. Our management team recognizes that these brokers have relationships with many of our customers, and we work with these brokers in an effort to increase our business with these accounts. Our sales and marketing organization seeks to collaborate with our brokers to leverage these relationships. With each of our key customers, however, our senior management team participates with the independent brokers in all critical customer meetings to establish and maintain direct customer relationships.

A majority of our brokers provide marketing support to their retail accounts, which includes shelf placement of products and in-store merchandising activities to support our product distribution. We generally pay our brokers commissions ranging from 1% to 3% of the sales they generate. Commissions totaling \$0.8 million and \$1.1 million were paid in the years ended December 31, 2017 and 2016, respectively.

The Company undertakes various promotional programs, but has historically not used advertising extensively to either its customers or to consumers.

## **Manufacturing**

We own and operate a paper mill, converting facility and a finished goods warehouse, located in Pryor, Oklahoma. Additionally, we own a new world-class integrated tissue operation in Barnwell, South Carolina, which began converting production during 2016 and mill and de-inking operations in the second half of 2017. As a result of the Fabrica Transaction, we own papermaking and converting assets in Mexicali, Mexico, which are operated by Fabrica under a lease agreement (“Equipment Lease Agreement”).

Our paper mills produce parent rolls that are then converted into tissue products at our converting facilities or are sold to other converters. The paper mill facilities produce paper made primarily using recycled industrial/pre-consumer and post-consumer fiber. We utilize high grades of recycled fiber along with a basket of other fibers, including virgin bleached pulp kraft fiber such as northern bleached softwood, eucalyptus and northern bleached hardwood, to produce our parent rolls. The mix of fiber used is dependent upon the attributes required for the particular grades of product. As we continue our efforts to gain converted product business in the higher quality premium and ultra-premium tier markets, we expect to increase our use of virgin bleached pulp kraft fiber. However, new de-inking and other technologies in which we have invested or in which we are investing may permit the use of an increased percentage of recycled fiber in the higher-grade papers in the future. Our parent roll production capacity has typically exceeded the demands upon our converting operations and excess parent rolls are sold into the open market.

We convert parent rolls into finished tissue products at our converting facilities. The converting process, which varies slightly by product category, generally includes embossing, laminating, and perforating or cutting the parent rolls as they are unrolled; pressing two or more plies together in the case of multiple-ply products; printing designs for certain products and cutting into rolls or stacks; wrapping in polyethylene film; the addition of scents to the core when specified, and packing in corrugated boxes or on display-ready pallets for shipment.

One of the key advantages of our converting plants is their flexible manufacturing capabilities, which enables us to provide our customers with a variety of package sizes and format options and enables our customers to fit products into particular price categories.

### *Pryor, Oklahoma Facility*

Our Pryor, Oklahoma facility is housed on a 36-acre property and includes two paper mill facilities totaling 162,000 square feet. The original mill building is approximately 135,000 square feet and houses two paper machines and related processing equipment. The newer facility is approximately 27,000 square feet and houses one paper machine, with an adjacent 29,400 square foot parent roll warehouse. Generally, our Oklahoma paper mill operates 24 hours a day, 363 days a year, with a two-day annual planned maintenance shutdown and has an annual paper making capacity of approximately 74,000 tons.

In our 300,000 square-foot Oklahoma converting facility, we operate our higher-speed, more flexible converting lines 24 hours a day 7 days a week and utilize our other converting lines as needed. We believe this schedule allows us to provide world-class customer service while optimizing our operating costs. In 2015, we installed an additional high-speed, flexible converting line. The converting facility, which has an annual converting capacity of approximately 82,500 tons, produced approximately 51,000 tons, in 2017, under available capacity as we utilized additional capacity at our Barnwell facility to meet demand.

Our 245,000 square foot finished goods warehouse is located adjacent to our converting facility and has the capacity to hold approximately 600,000 cases of finished product. Our targeted finished goods inventory level is three to four weeks of sales. We utilize third party warehousing from time to time to accommodate changes in inventory carry levels to support customer shipment requirements.

#### *Mexicali, Mexico Assets*

The papermaking and converting equipment we own in Mexico, which had a net book value of \$5.7 million at December 31, 2017, is operated by Fabrica under the Equipment Lease Agreement entered into in conjunction with the Fabrica Transaction. In accordance with the terms of the transaction, Fabrica has discretion on the most effective manner in which to use these assets. Fabrica may use these assets to provide parent rolls or products under the Supply Agreement or may utilize its other assets to produce products purchased under the Supply Agreement, depending on quality requirements and machine capabilities. The terms of the Supply Agreement allow us to purchase up to 19,800 annual tons of converted products from Fabrica.

#### *Barnwell, South Carolina Facility*

Our Barnwell, South Carolina facility is housed on an 86-acre property. In 2016, we completed a 300,000 square foot converting facility, housing two converting lines with an annual converting capacity between 30,000 and 32,000 tons. The first converting line began producing converted products in the first quarter of 2016, and the second converting line began production in the third quarter of 2016. The converting facility produced approximately 19,000 tons in 2017.

A 115,000 square foot paper mill with one tissue paper machine and related processing equipment, which has an annual paper making capacity between 35,000 and 40,000 tons, was completed near the end of second quarter 2017. The facility also includes a recycling/de-inking plant, which was completed near the end of fourth quarter 2017. Additionally, the property includes storage space for raw materials and finished goods. The mill produced approximately 9,300 tons of tissue paper during its ramp-up in 2017.

### **Distribution**

Our products are delivered to our customers in truckload quantities. For our facilities in Oklahoma and South Carolina, many of our larger customers arrange for transportation of our products to their distribution centers at their cost. For our remaining customers, we arrange for third-party freight companies to deliver the products. In 2017, changes in our customer mix, including the addition of new customers, resulted in a higher percentage of third-party freight shipments to customers, which increased our freight costs. Expected freight costs are included in quoted prices to customers. In 2017, Fabrica arranged for and Orchids paid for third-party freight companies to deliver shipments under the Supply Agreement.

### **Raw Materials and Energy**

In our Oklahoma facility, the principal raw materials used to manufacture our parent rolls are fiber, primarily recycled fibers and to a lesser extent virgin kraft fibers, and water. Currently, recycled fiber accounts for a majority of the fiber used to produce our parent rolls. The pulping process at the paper mill is currently configured to primarily process a particular class of recycled fiber known as SBS paper. Pursuant to an exclusive supply agreement, Dixie Pulp and Paper, Inc. supplies all of our recycled fiber needs under an evergreen contract. Under the terms of the contract, unless either party gives notice at least ninety days prior to the anniversary date of the agreement, the term automatically extends for successive one-year periods under the original five-year term. This agreement is intended to ensure our long-term

supply of quality recycled fiber on terms that we believe are reasonable. If we were unable to purchase a sufficient quantity of SBS paper, we could reconfigure our pulping plant to process other forms of fiber, or we could use an alternative type of fiber with our existing pulping process. Reconfiguring our pulping plant would require additional capital expenditures, which could be substantial. Purchasing alternative types of fiber could result in higher fiber costs. We use virgin kraft fibers in the production of premium and ultra-premium tier products. As our business in the ultra-premium market segment grows, we expect our consumption of virgin kraft fiber will increase.

Energy is a key cost factor in our business operations. Electricity for all facilities is being provided by local public utilities. We use natural gas to fire boilers to supply our own steam to our mills. We utilize third-party energy suppliers to purchase all of our natural gas requirements through a combination of fixed price contracts and at-market purchases. At our Pryor facility, we have a variable-rate natural gas contract with three fixed-rate tiers that reduce the volume that we receive under the variable-rate portion of the agreement. At our Barnwell facility we have a fixed-rate natural gas contract with three tiers. These commitments are summarized below:

| PRYOR, OKLAHOMA   |        |                 |        |                 |        |                 |         |                 |
|-------------------|--------|-----------------|--------|-----------------|--------|-----------------|---------|-----------------|
| Period            | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU | MMBTUs  | Price per MMBTU |
| 1Q 2018 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 25,029  | *               |
| 2Q 2018 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 22,011  | *               |
| 3Q 2018 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 13,222  | *               |
| 4Q 2018 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 23,844  | *               |
| 1Q 2019 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 25,029  | *               |
| 2Q 2019 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 22,011  | *               |
| 3Q 2019 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 13,222  | *               |
| 4Q 2019 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 23,844  | *               |
| 1Q 2020 . . . . . | —      | \$ —            | —      | \$ —            | —      | \$ —            | 130,029 | *               |
| 2Q 2020 . . . . . | —      | \$ —            | —      | \$ —            | —      | \$ —            | 127,011 | *               |
| 3Q 2020 . . . . . | —      | \$ —            | —      | \$ —            | —      | \$ —            | 118,222 | *               |
| 4Q 2020 . . . . . | —      | \$ —            | —      | \$ —            | —      | \$ —            | 128,844 | *               |

\* The variable rate is based on the Oneok Gas Transportation rate plus an adder of \$0.01/MMBtu plus all applicable transport and fuel.

| BARNWELL, SOUTH CAROLINA |        |                 |        |                 |        |                 |
|--------------------------|--------|-----------------|--------|-----------------|--------|-----------------|
| Period                   | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU |
| 1Q 2018 . . . . .        | 12,586 | \$3.52          | 12,586 | \$3.43          | 12,586 | \$3.37          |
| 2Q 2018 . . . . .        | 12,725 | \$3.52          | 12,725 | \$3.43          | 12,725 | \$3.37          |
| 3Q 2018 . . . . .        | 12,865 | \$3.52          | 12,865 | \$3.43          | 12,865 | \$3.37          |
| 4Q 2018 . . . . .        | 12,865 | \$3.52          | 12,865 | \$3.43          | 12,865 | \$3.37          |
| 1Q 2019 . . . . .        | 12,586 | \$3.52          | 12,586 | \$3.43          | 12,586 | \$3.37          |
| 2Q 2019 . . . . .        | 12,725 | \$3.52          | 12,725 | \$3.43          | 12,725 | \$3.37          |
| 3Q 2019 . . . . .        | 12,865 | \$3.52          | 12,865 | \$3.43          | 12,865 | \$3.37          |
| 4Q 2019 . . . . .        | —      | \$ —            | —      | \$ —            | 12,865 | \$3.37          |

The remainder of our natural gas requirements are expected to be purchased on the open market.

## Backlog

Our tissue products generally require short production times. Customers provide orders committing to purchases typically a few weeks in advance of the requested shipment date. Typically, we have a backlog of

approximately two weeks of sales. As of December 31, 2017, our backlog of customer orders was approximately 790,000 cases, or approximately \$10.6 million, of finished converted products and approximately 500 tons of parent rolls, or approximately \$0.5 million. As of December 31, 2016, our backlog of customer orders was approximately 615,000 cases, or approximately \$8.0 million, of finished converted products and 100 tons of parent rolls, or approximately \$0.1 million.

### **Trademarks and Trade Names**

We sell some of our tissue products under our various brand names, including Orchids Supreme<sup>®</sup>, Clean Scents<sup>®</sup>, Tackle<sup>®</sup>, Colortex<sup>®</sup>, My Size<sup>®</sup>, Velvet<sup>®</sup>, and Big Mopper<sup>®</sup>. We also sell tissue products under brand names licensed from Fabrica, such as, Virtue<sup>®</sup>, Truly Green<sup>®</sup>, Golden Gate Paper<sup>®</sup> and Big Quality<sup>®</sup>. Our brand names are trademarked with the United States Patent and Trademark Office. We intend to renew our registered trademarks prior to expiration. We do not believe these trademarks are presently significant corporate assets.

### **Employee and Labor Relations**

As of December 31, 2017, we had 472 full-time employees of whom 268 were union hourly employees, 103 were non-union hourly and 101 were non-union salaried employees. Of our employees, 438 were engaged in manufacturing and production and 34 were engaged in sales, clerical and administration. This includes 119 employees in Barnwell, all non-union. Fabrica supplies all labor, material, etc. in Mexicali for production under the Supply Agreement, so we have no employees in Mexico. Our hourly employees in Oklahoma are represented under collective bargaining agreements with the United Steel, Paper and Forestry, Rubber, Manufacturing, Energy, Allied Industrial & Service Workers International Union Local 5-930 and Local 5-1480 at the mill and converting facility, respectively.

In 2015, we negotiated a new three-year contract with our hourly employees at the Pryor mill, which expired in February 2018. We are currently in negotiations and expect to have a new agreement in place by the end of the second quarter of 2018.

In 2012, we negotiated a new four-year contract with our hourly employees in the Pryor converting plant, which expired on June 25, 2016. Since that time, we have been operating under the terms of an interim agreement while working to finalize a new contract, however to date negotiations have not produced a new agreement. The union has pursued several charges directly through the National Labor Relations Board (“NLRB”) as opposed to the grievance and arbitration process required by the collective bargaining agreements. These charges were consolidated by the NLRB with other charges made by the union and a hearing was held in June of 2017. To the extent of any adverse rulings following this initial administrative hearing, we are pursuing appeals in the appropriate course. Hearing on a second set of consolidated charges is set for hearing on April 3<sup>rd</sup>, 2018. The parties are in the process of negotiating settlement of these claims in connection with ongoing collective bargaining agreement negotiations, for which a federal mediator has also been appointed to assist. Operations at our Pryor facilities have not been disrupted due to these negotiations.

We have not experienced a work stoppage in the last ten years, and, other than as described above, no material grievance proceedings, material arbitrations, labor disputes, strikes or labor disturbances are currently pending or threatened against us. We believe we have good relations with our union employees at our facilities in Pryor.

### **Environmental, Health and Safety Matters**

Our operations are subject to various environmental, health and safety laws and regulations promulgated by federal, state and local governments. These laws and regulations impose stringent standards on us regarding, among other things, air emissions, water discharges, use and handling of hazardous materials, use, handling and disposal of waste, and remediation of environmental contamination. Since our products are made primarily from SBS paper, we have not made extensive use of chemicals.

The U.S. Environmental Protection Agency (the “EPA”) requires that certain pulp and paper mills meet stringent air emissions and waste water discharge standards for toxic and hazardous pollutants. These standards are commonly known as the “Cluster Rules.” Our operations are not subject to the current Cluster Rules. If, however, due to a revision in the rules or a change in our operations we were to become subject to the Cluster Rules, we might need to incur significant capital expenditures in order to become compliant.

We believe our manufacturing facilities are in compliance in all material respects with all existing federal, state and local environmental regulations, but we cannot predict whether more stringent air, water and solid waste disposal requirements will be imposed by government authorities in the future. Pursuant to applicable federal, state and local statutes and regulations, we believe that we possess, either directly or through the Oklahoma Ordinance Works Authority (“OOWA”) and the City of Barnwell, all of the environmental permits and approvals necessary for the operation of our Oklahoma and South Carolina facilities.

OOWA, the operator of the industrial park in which we operate in Oklahoma, holds the waste water permit that covers our Oklahoma facilities and controls, among other things, the level of biological oxygen demand (“BOD”) and total suspended solids (“TSS”) we are allowed to send to the OOWA following pre-treatment at our facility. The OOWA reduced our BOD and TSS limits effective with a permit issued August 1, 2007. We have invested capital in recent years to improve the capability and increase capacity in our Oklahoma waste water treatment facility and believe our facility is well suited to meet our current permit limits.

The City of Barnwell (the “City”) holds the waste water permit that covers our South Carolina facilities and controls, among other things, the level of TSS we are allowed to send to the City following pre-treatment at our facility. We believe our South Carolina facility is engineered to well suit our permit limits once our paper machine begins operating in 2017.

Our assets in Mexicali are operated by Fabrica under the Equipment Lease Agreement entered into as part of the Fabrica Transaction. In accordance with the terms of this agreement, Fabrica has indemnified us from and against any and all claims, actions, suits, losses, damage, demands and liabilities of every nature in any way arising directly or indirectly from the use, possession, maintenance, operations or control of the equipment located in Mexico, including environmental matters.

### ***Executive Officers and Key Employees***

Set forth below is the name, age as of March 16, 2018, position and a brief account of the business experience of each of our executive officers. Each of Messrs. Schoen and Gloss served in the capacities set forth below as of December 31, 2017 and continue to serve in such capacities as of the date of this report. As previously announced on March 6, 2018, Mr. Gloss has tendered his resignation as our Chief Financial Officer effective March 16, 2018.

| <b>Name</b>             | <b>Age</b> | <b>Position</b>                                 |
|-------------------------|------------|-------------------------------------------------|
| Jeffrey S. Schoen ..... | 57         | Chief Executive Officer and President, Director |
| Rodney D. Gloss .....   | 61         | Chief Financial Officer                         |

### **Jeffrey S. Schoen, 57, Chief Executive Officer and President, Director**

Mr. Schoen was appointed President and Chief Executive Officer of Orchids Paper Products in November 2013. Mr. Schoen joined the Board of Directors of Orchids Paper Products in February 2007 and served as Chairman from May 2013 to November 2013. Mr. Schoen worked for Cumberland Swan Holdings, Inc., a manufacturer of private label personal care products, from 2002 to 2006, last serving as Executive Vice President and General Manager. Mr. Schoen worked for Paragon Trade Brands, Inc., a manufacturer of private label disposable diapers and training pants, from 1999 to 2002, last serving as Vice President-Operations. Mr. Schoen held various positions when he worked for Kimberly Clark — Infant Care, from 1985 to 1993, last serving as Maintenance & Stores Manager.

### **Rodney D. Gloss, 61, Chief Financial Officer**

Mr. Gloss has been our Chief Financial Officer since September 2016. Prior to joining us, he served as Vice President and Chief Financial Officer for Atna Resources Ltd., a public gold mining company, from 2011 to 2016 and as Corporate Controller of Alacer Gold Corporation, a public international gold mining and exploration company, from 2010 to 2011. Prior to 2010, Mr. Gloss served in senior financial positions with Intrepid Potash, Inc., a publicly traded potash producer, and Timminco Ltd., a public manufacturer, principally of magnesium products. Mr. Gloss is a certified public accountant and holds an MBA from UCLA. Mr. Gloss recently submitted his resignation and will be departing Orchids on March 16, 2018.

## Available Information

We file annual, quarterly and current reports and other information with the Securities and Exchange Commission (the “SEC”). You may read and copy any document we file with the SEC at the SEC’s public reference room at 100 F Street, NE, Washington, DC 20549. Please call the SEC at 1-800-SEC-0330 for information on the public reference room. The SEC maintains an internet site that contains annual, quarterly and current reports, proxy and information statements and other information that issuers (including Orchids Paper Products Company) file electronically with the SEC. The SEC’s internet site is [www.sec.gov](http://www.sec.gov). In addition, we make available free of charge our annual report on Form 10-K, quarterly reports on Form 10-Q and current reports on Form 8-K through our website at [www.orchidspaper.com](http://www.orchidspaper.com). Such reports are made available as soon as reasonably practicable after they are filed with or furnished to the SEC. Information available on the website is not incorporated by reference and is not deemed to be part of this Form 10-K.

## Item 1A. RISK FACTORS

We operate in a changing environment that involves numerous known and unknown risks and uncertainties that could materially affect our operations. The risks, uncertainties and other factors set forth below may cause our actual results, performances or achievements to be materially different from those expressed or implied by our forward-looking statements. If any of these risks or events occur, our business, financial condition or results of operations may be adversely affected. The risk factors set forth below are not exhaustive and are not the only risks that may affect our business. Our business could also be affected by additional risks not currently known to us or described below. We may amend or supplement the risk factors described below from time to time in other reports we file with the SEC in the future.

### Risks Related To Our Business

*We have significant indebtedness, which subjects us to restrictive covenants relating to the operation of our business.*

As a result of closing the Fabrica Transaction, the expansion of our Pryor facility, and, most recently, the construction of our South Carolina facility, our indebtedness has significantly increased. At December 31, 2017, we had \$170.8 million of indebtedness. In 2018, under the terms of our existing loan agreement, we anticipate making principal payments of \$10.9 million and interest payments of more than \$12 million. Interest payments are principally variable with our Leverage Ratio (Debt to Adjusted EBITDA) and with LIBOR rates. Operating with this amount of leverage and with variable interest rates may require us to direct a significant portion of our cash flow from operations to service debt, which reduces the funds otherwise available for operations, capital expenditures, payment of dividends, the pursuit of future business opportunities and other corporate purposes. It may also limit our flexibility in planning for or reacting to changes in our business and our industry and may impair our ability to obtain additional financing.

The terms of our Second Amended and Restated Credit Agreement (the “Credit Agreement”) with U.S. Bank National Association (“U.S. Bank”) requires us to meet specified financial ratios and other financial and operating covenants, which restrict our ability to incur additional debt, place liens on our assets, make capital expenditures, effect mergers or acquisitions, dispose of assets or pay dividends in certain circumstances. The financial covenants include that we must maintain a certain debt to Adjusted EBITDA ratio, or (the “Leverage Ratio”), for a given period. Adjusted EBITDA is defined in the Credit Agreement, and is as quoted by the Company. The financial covenants also include that Fixed Charges, as defined in the Credit Agreement, will not exceed a certain ratio of Adjusted EBITDA (the “Fixed Charge Coverage Ratio”). At December 31, 2017, we were not in compliance with certain financial covenants under our Credit Agreement or our Loan Agreement for New Markets Tax Credit financing (the “NMTC Loan Agreement”), and obtained a waiver from our lenders.

On February 28, 2018, we entered into Amendment No. 7 to the Credit Agreement and on March 1, 2018 we entered into Amendment No. 4 to the NMTC Loan Agreement. Amendment No. 7 to the Credit Agreement, among other things, (i) waives any existing Events of Default (as defined in the Credit Agreement) and any Events of Default that would occur as a result of our breach of an existing financial

covenant for the period ending March 31, 2018; (ii) reinstates the Fixed Charge Coverage Ratio (as defined in the Credit Agreement) requirement of 1.2:1.0 as of June 30, 2018; (iii) changes the Leverage Ratio (as defined in the Credit Agreement) requirement to 5.5:1.0 as of June 30, 2018, and 3.5:1.0 as of September 30, 2018 and for quarter-ends thereafter; (iv) provides that principal payments will be made monthly rather than quarterly; (v) modifies the Borrowing Base (as defined in the Credit Agreement) to provide that the advance rates on eligible accounts receivable and certain items of inventory will increase through June 30, 2018, at which time such rates will revert to the rates in existence prior to this amendment to the Credit Agreement; (vi) modifies the pricing schedule applicable to interest rates and the commitment fees under the Credit Agreement to increase such rates and fees by 1.0% when the Leverage Ratio is at the highest level; and (vii) amends certain reporting requirements, including the frequency thereof. Amendment No. 4 to the NMTC Loan Agreement generally incorporates these revisions.

The amendment to the Credit Agreement also established additional financial covenants, specifically that we:

- will not permit our EBITDA, measured monthly on a trailing three month basis, for each month end beginning January 31, 2018 through and including August 31, 2018 to be less than, respectively: \$4.6 million (January), \$4.6 million (February), \$4.9 million (March), \$5.7 million (April), \$6.4 million (May), \$7.1 million (June), \$8.0 million (July), and \$9.0 million (August).
- will not incur Capital Expenditures (as defined in the Credit Agreement), measured monthly on a trailing three month basis, for each month end beginning February 28, 2018 through and including August 31, 2018 to be less than, respectively: \$3,152,000 (February), \$1,450,000 (March), \$1,345,000 (April), \$1,089,000 (May), \$1,384,000 (June), \$1,506,000 (July), and \$1,628,000 (August).
- will maintain a book cash balance of not less than \$500,000 at all times until March 15, 2018 and \$1.30 million at all times from and after March 16, 2018.
- will update a rolling 13-week cash flow forecast every third week, the first such forecast being filed on February 28, 2018, and will not disburse more than 110% of the forecasted disbursements for any weekly period on a cumulative basis within the three-week windows between updates, and will not allow net cash flows to be less than 90% of the net cash flows forecasted for any weekly period on a cumulative basis within the three-week windows.

In addition, we are required to comply with other conditions and meet certain milestones in an allocated time. Furthermore, following the most recent amendment to the Credit Agreement, we must (i) by March 15, 2018, retain consultants to assist us in formulating a strategic plan to facilitate such activities; and (ii) by June 1, 2018, initiate a strategic alternative acceptable to our lenders to facilitate repayment of our outstanding debt obligations.

Including the amendments incorporated into this amendment, our credit facilities have been amended for each of the last five quarters. If we fail to meet these financial ratios and covenants and our lenders do not waive them, we may be required to pay fees and penalties, and our lenders could accelerate the maturity of our debt and proceed against any pledged collateral and/or force us to seek alternative financing, which could adversely affect our business operations and/or liquidity. If this were to happen, we may be unable to obtain additional financing or it may not be available on terms acceptable to us.

Our indebtedness is secured by all or substantially all of our assets. Therefore, if we default on any of our debt obligations, it could result in the lenders foreclosing on our assets. In such an event, the lenders' rights to such assets would likely be superior to those of our stockholders.

***We face intense competition and if we cannot successfully compete in the marketplace, our business, financial condition and operating results may be materially adversely affected.***

The consumer market for private label tissue products is highly competitive. Many of our competitors have greater financial, managerial, sales and marketing and capital resources than we do, which may allow them to respond more quickly to new opportunities or changes in customer requirements. These competitors may also be larger in size or scope than us, which may allow them to achieve greater economies of scale or allow them to better withstand periods of declining prices and adverse operating conditions.

By promoting their branded products, brand-competitors may erode private label tissue sales. Three large companies, Procter and Gamble, Kimberly-Clark, and Georgia Pacific, have material shares of the brand-market in the United States, and their size may allow them to achieve greater economies of scale or allow them to better withstand adverse competition, declining prices, and adverse operating conditions. As a general business observation, consumers seem to prefer branded products over private-label unless a greater value proposition is perceived, hence competition between brands and private label can be intense.

Our ability to successfully compete depends upon a variety of factors, including:

- aggressive pricing by competitors, which may force us to decrease prices in order to maintain market share;
- our ability to improve plant efficiencies and operating rates and lower average manufacturing costs;
- the availability, quality and cost of labor and raw materials, particularly recycled fiber; and
- the cost of energy.

Our tissue paper products are commodity products, and if we do not maintain competitive prices, we may lose significant market share. Our ability to keep our prices at competitive levels depends in large part on our ability to control our costs. In addition, consolidation among retailers may put additional pressure on us to reduce our prices in order to maintain market share. If we are unable to effectively adjust our cost structure to address such increased competitive pressures, our sales level and profitability could be harmed and our operations could be materially adversely affected.

***Increased competition in our region may affect our business.***

Orchids has diversified regionally and by developing new channels and products. We anticipate continuing to diversify, but increased competition remains a significant risk. Private label manufacturers have announced greenfield capacity additions, principally in structured tissue lines, and capacity additions may always affect the existing business and/or delay inroads into new higher-end product and brand markets. Continued or increased competition from brands may also affect our business by diminishing consumer demand for private-label products or delaying our inroads into brand markets.

***A substantial percentage of our net sales are attributable to three large customers, any or all of which may decrease or cease purchases at any time.***

Our three largest customers, Dollar General, Walmart (including Sam's Club) and Family Dollar (including its parent, Dollar Tree) accounted for 31%, 20% and 16%, respectively, of our converted product net sales in 2017. We expect that sales to a limited number of customers will continue to account for a substantial portion of our net sales for the foreseeable future. Sales to these customers are made pursuant to purchase orders and not supply agreements. We may not be able to keep our key customers, or these customers may cancel purchase orders or reschedule or decrease their level of purchases from us. Any substantial decrease or delay in sales to one or more of our key customers would harm our sales and financial results. In particular, the loss of sales to one or more distribution centers would result in a sudden and significant decrease in our sales. If sales to current key customers cease or are reduced, we may not obtain sufficient orders from other customers necessary to offset any such losses or reductions.

***We primarily use pre-consumer solid bleached sulfate paper, or SBS paper, and, to a lesser extent, virgin kraft fibers to produce parent rolls and any disruption in our supply or increase in the cost of pre-consumer SBS paper or virgin kraft could disrupt our production and harm our ability to produce tissue at competitive prices.***

We do not produce any of the fiber we use to produce our parent rolls. We depend heavily on access to sufficient, reasonably priced quantities of fiber to manufacture our tissue products. Our paper mill is configured to convert recycled fiber, specifically SBS paper, and virgin kraft fiber into paper pulp for use in our paper production lines. Prices for SBS paper and virgin kraft have fluctuated significantly in the past and will likely continue to fluctuate significantly in the future, principally due to market imbalances between supply and demand. In addition, the market price of SBS fiber can also be influenced by market swings in the price of virgin pulp and other fiber grades. If either the available supply of SBS paper and/or virgin

kraft diminishes or the demand for SBS paper and/or virgin kraft increases, it could substantially increase our cost of fiber, require us to purchase alternate fiber grades at increased costs, or cause a production slow-down or stoppage until we are able to identify new sources of fiber or reconfigure our pulping plant to process other available forms of paper fiber. We could experience a material adverse effect on our business, financial condition and results of operations should the price or supply of SBS paper and/or virgin kraft be disrupted. Further, we currently obtain all of our recycled fiber from a single supplier, Dixie Pulp and Paper, Inc. (“Dixie”) and the majority of our virgin kraft from Itochu Pulp and Paper Corp. (“Itochu”), Cmpc Usa, Inc. (“CMPC”), and Resolute FP US, Inc. (“Resolute”). If our relationship with Dixie, Itochu, CMPC or Resolute is altered or terminated for any reason, we will have to seek alternative channels to obtain our recycled and virgin kraft fiber, and there can be no assurance that we would be able to make arrangements that adequately meet our needs or on reasonable terms. Furthermore, we may not be able to pass increased fiber costs on to our customers if the market does not allow us to raise the prices of our finished products.

***Fabrica’s failure to execute under the Supply Agreement could adversely affect our business.***

Under the Supply Agreement with Fabrica Fabrica, we have the right to purchase up to 19,800 tons of parent rolls and equivalent converting capacity for certain specified product during each twelve-month period following the effective date of the Supply Agreement, which has an initial term of twenty years. Fabrica’s failure to execute under this agreement could result in our inability to service existing customers, thereby reducing sales volumes and profitability. A failure to execute would also harm the relationships we have established with those customers serviced under the Supply Agreement. Furthermore, Fabrica’s failure to execute under this agreement could require us to look for other sources of capacity that are less favorable to us, thereby increasing costs and reducing profits.

***Our foreign activities are subject to additional inherent risks.***

We currently source a significant amount of our converted products from Mexico, i.e. the 19,800 tons from the Supply Agreement, and we expect to continue to do so. Accordingly, we are subject to political, legal, tax, and economic risks such as:

- the effects of local political, labor and economic developments and unrest;
- significant or abrupt changes in the applicable regulatory or legal climate;
- significant changes to regulations or laws or the interpretation or enforcement of them, including with respect to tax and profit sharing matters arising out of the use of outsourced suppliers;
- interpretations of tax codes, and resolution of tax disputes through appeal processes;
- exchange controls and export restrictions;
- currency fluctuations, particularly in the exchange rate between the U.S. dollar and the Mexican Peso;
- failure to maintain compliance with corruption and transparency statutes, including the U.S. Foreign Corrupt Practices Act;
- laws or policies of foreign countries and the United States affecting trade, investment and taxation; and
- civil disturbances, war and terrorist actions.

The occurrence of any one or combination of these events, many of which are beyond our control, could materially adversely affect our financial condition or results of operations.

***Increased competition and or deterioration in business conditions could adversely affect our ability to realize anticipated growth from the Fabrica Transaction.***

We desired to acquire assets and certain operations from Fabrica with the expectation that the acquisition will result in various benefits for us, including, among others, a competitive manufacturing cost, business and growth opportunities, and increased revenue streams. Increased competition and/or

deterioration in business conditions may limit our ability to expand upon Fabrica's former business. As such, we may not be able to realize the synergies, goodwill, business opportunities and growth prospects anticipated in connection with the Fabrica Transaction.

***Changes in the policies of our retail trade customers and increasing dependence on key retailers in developed markets may adversely affect our business.***

Our products are sold in a highly competitive marketplace, which is experiencing increased concentration and the growing presence of large format retailers and discounters. With the consolidation of retail trade, especially in developed markets, we are increasingly dependent on key retailers, and some of these retailers, including the large format retailers, may have greater bargaining power than we do. They may use this leverage to demand higher trade discounts or allowances, which could lead to reduced profitability. We may also be negatively affected by changes in the policies of retail trade customers, such as inventory de-stocking, limitations on access to shelf space, and delisting of our products. If we lose a significant customer or if sales of our products to a significant customer materially decrease, our business, financial condition and results of operations may be materially adversely affected.

***Excess supply in the markets may reduce the prices we are able to charge for our products.***

New paper machines or new converting equipment may be built or idle machines may be activated by other paper companies, which would add more capacity to the tissue markets. Increased production capacity could cause an oversupply resulting in lower market prices for our products and increased competition, either of which could have a material adverse effect on our business, financial condition and operating results.

***The availability of and prices for energy will significantly impact our business.***

The production of our products requires a significant amount of energy and we rely primarily on natural gas and electricity for our energy needs. The prices of these inputs are subject to change based on many factors that are beyond our control, such as worldwide supply and demand and government regulation. In particular, natural gas prices are highly volatile. Our average price per MMBTU was \$4.41 in 2017 compared to \$3.92 in 2016 and \$4.11 in 2015. During the year ended December 31, 2017, we consumed approximately 620,000 MMBTU of natural gas at a total cost of \$2.7 million and 96.7 million kilowatt hours of electricity at a total cost of \$5.8 million. If our energy costs increase, our cost of sales will increase, and our operating results may be materially, adversely affected. Furthermore, we may not be able to pass increased energy costs on to our customers if the market does not allow us to raise the prices of our finished products. If price adjustments significantly trail the increase in energy costs or if we cannot effectively hedge against these costs, our operating results may be materially adversely affected.

Beginning in January 2018 and continuing through December 2019, approximately 80% of our natural gas requirements at our Pryor facility are covered by fixed-price contracts as described above in Item 1 — Business, Raw Materials and Energy. The remainder of our requirements at our Pryor facility through December 2019 are expected to be covered under a variable rate supply agreement. Additionally, beginning in January 2018 and continuing through September 2019, approximately 70% of our natural gas requirements at our Barnwell facility are covered by fixed-price contracts. The remainder of our requirements at our Barnwell facility through September 2019 are expected to be purchased on the open market.

***Failure to purchase the contracted quantity of natural gas may result in financial exposure.***

As discussed above in Item 1 — Business, Raw Materials and Energy, natural gas requirements at our Pryor and Barnwell facilities are purchased on the open market. A significant interruption in our parent roll production due to tornado, fire or other natural disaster, adverse market conditions or mechanical failure could reduce our natural gas requirements to a level below that of our contracted amount. If we are unable to purchase the contracted amounts and the market price at that time is less than the contracted price, we would be obligated under the terms of our agreement to reimburse an amount equal to the difference between the contracted amount and the amount actually purchased multiplied by the difference between our contract price and a price designed in the contract, which typically approximates spot price.

***Our exposure to variable interest rates may affect our financial health.***

Debt incurred under our existing revolving credit and most of our term loan agreements accrues interest at a variable rate. Specifically, our interest is calculated on 30-day LIBOR plus a variable margin, which is dependent on our Leverage Ratio. As of December 31, 2017, our weighted average bank debt interest rate was 7.3% compared to a weighted average interest rate of 2.6% at December 31, 2016. In addition to varying with the underlying LIBOR rates, most of our rates vary dependent on our Leverage Ratio as of the end of each prior quarter. Presently, the maximum margin added to LIBOR when the Leverage Ratio reaches 6 to 1 or higher, is 7.0%. Any increase in the interest rates on our debt would result in a higher interest expense, which would require us to dedicate more of our cash flow from operations to make payments on our debt and reduce funds available to us for our operations and future business opportunities, which could have a material adverse effect on our results of operations. For more information on our liquidity, see “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources.”

***We depend on our management team to operate the Company and execute our business plan.***

We are highly dependent on the principal members of our management staff, in particular Jeffrey Schoen, our Chief Executive Officer, and Rodney Gloss, our Chief Financial Officer. We have entered into employment arrangements with Jeffrey Schoen and Rodney Gloss, under which their employment is “at will” and, subject to certain conditions, may be terminated by either party at any time, for any reason, with or without notice. The loss of either of our executive officers or our inability to attract and retain other qualified personnel could harm our business and our ability to compete. Mr. Gloss has tendered his resignation, effective March 16, 2018.

***Labor interruptions would adversely affect our business.***

All of our hourly paid employees in Oklahoma are represented by the United Steel, Paper and Forestry, Rubber, Manufacturing, Energy, Allied Industrial & Service Workers International Union. The collective bargaining agreement with Local 5-930, which represents the Pryor paper mill workers, expired in February 2018. We are currently in negotiations and expect to have a new agreement in place in the second quarter of 2018. The collective bargaining agreement with Local 5-1480, which represents the Pryor converting facility workers, expired in June 2016. Since that time, we have been operating under the terms of an interim agreement and expect to finalize negotiations for a new contract in the second quarter of 2018.

Negotiations of new collective bargaining agreements may result in significant increases in the cost of labor or could break down and result in a strike or other disruption of our operations. If any of the preceding were to occur, it could impair our ability to manufacture our products and result in increased costs and/or decreased operating results. In addition, some of our key customers and suppliers are also unionized. Disruption in their labor relations could also have an adverse effect on our business.

***Our manufacturing operations may experience shutdowns due to unforeseen operational problems or maintenance outages, which may cause significant lost production which would adversely affect our financial position and results of operations.***

We currently manufacture and process the majority of our tissue paper products in Pryor, Oklahoma. Any natural disaster or other serious disruption to our facilities due to tornado, fire or any other calamity could damage our capital equipment or supporting infrastructure and materially impair our ability to manufacture and process tissue paper products. Even a short-term disruption in our production output could damage relations with our customers, causing them to reduce or eliminate the amount of finished products they purchase from us. Any such disruption could result in lost sales, increased costs and reduced profits.

Furthermore, unexpected production disruptions due to any number of circumstances, including shortages of raw materials, disruptions in the availability of transportation, labor disputes and mechanical or process failures, could cause us to shut down our paper mill or our converting operation, or any part thereof.

If any part of our facilities is shut down, it may experience a prolonged start-up period, regardless of the reason for the shutdown. Those start-up periods could range from several days to several months, depending on the reason for the shutdown and other factors. The shutdown of our facilities for a substantial period of time for any reason could have a material adverse effect on our financial position and results of operations.

***Our operations require substantial capital, and we may not have adequate capital resources to provide for all of our cash requirements.***

Our operations require substantial capital. Expansion or replacement of existing facilities or equipment may require substantial capital expenditures. For example, the construction of our new world-class integrated tissue operation in Barnwell, South Carolina, which began converting production during 2016 and mill and de-inking operations in the second half of 2017, cost approximately \$165 million. In 2015 in Pryor, we built a new paper machine and installed a new converting line, which cost approximately \$39 million. In 2010, we built a new finished goods warehouse and installed a new converting line, which cost approximately \$27 million. In 2009 and 2010, under new environmental standards we were required to build a water treatment facility costing approximately \$7 million to reduce BOD and TSS from our discharge water. If our capital resources are inadequate to provide for our operating needs, capital expenditures and other cash requirements, this shortfall could have a material adverse effect on our business and liquidity.

***Our business is subject to governmental regulations and any imposition of new regulations or failure to comply with existing regulations could involve significant additional expense.***

Our operations are subject to various environmental, health and safety laws and regulations promulgated by federal, state and local governments. These laws and regulations impose stringent standards on us regarding, among other things, air emissions, water discharges, use and handling of hazardous materials, use, handling and disposal of waste, and remediation of environmental contamination. Any failure to comply with applicable environmental laws, regulations or permit requirements may result in civil or criminal fines or penalties or enforcement actions. These may include regulatory or judicial orders enjoining or curtailing operations or requiring corrective measures, installing pollution control equipment or remedial actions, any of which could involve significant expenditures. Future development of such laws and regulations may require capital expenditures to ensure compliance. We may discover currently unknown environmental problems or conditions in relation to our past or present operations, or we may face unforeseen environmental liabilities in the future. These conditions and liabilities may require site remediation or other costs to maintain compliance or correct violations of environmental laws and regulations; or result in governmental or private claims for damage to person, property or the environment, any of which could have a material adverse effect on our financial condition and results of operations. In addition, we may be subject to strict liability and, under specific circumstances, joint and several liabilities for the investigation and remediation of the contamination of soil, surface and ground water, including contamination caused by other parties, at properties that we own or operate and at properties where we or our predecessors arranged for the disposal of regulated materials.

***If we fail to maintain an effective system of internal controls, we may not be able to accurately report our financial results or prevent fraud and, as a result, our business could be harmed and current and potential stockholders could lose confidence in us, which could cause our stock price to fall.***

We have completed an evaluation of our internal control systems to allow management to report on, and our independent registered public accounting firm to attest to, our internal control over financial reporting in compliance with the management assessment and auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act of 2002. In our report under Section 404, which is included in Item 9A of this report, we have concluded that our internal control over financial reporting is effective.

A material weakness or significant deficiency in internal control over financial reporting could materially affect our reported financial results and the market price of our stock could significantly decline. Additionally, adverse publicity related to the disclosure of a material weakness or significant deficiency in internal controls could have a negative effect on our reputation, business and stock price. Although

management's assessment and auditor's attestation may provide some level of comfort to the investing public, even the best designed and executed systems of internal controls can only provide reasonable assurance against misreported results and the prevention of fraud.

***The parent roll market is a commodity market and subject to fluctuations in demand and pricing.***

Overall demand for parent rolls can fluctuate due to changes in the demand for converted products and due to new paper machine start-ups. A significant reduction in demand or increase in paper making capacity can result in an over-supply of parent rolls, which could negatively affect the market price for parent rolls. A significant reduction in parent roll selling prices could reduce our net sales, decrease our profits and cause us to shut down some of our excess paper making capacity.

***If we are unable to continue to implement our business strategies, our financial conditions and operating results could be materially affected.***

Our future operating results will depend, in part, on the extent to which we can successfully implement our business strategies in a cost effective manner. However, our strategies are subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond our control. If we are unable to successfully implement our business strategies, our business, financial condition and operating results could be materially adversely affected.

***We may not be able to sell the capacity generated from our converting lines, including the additional capacity provided by our Barnwell facility.***

We continue to focus on increasing the capacity of our twelve converting lines at our Pryor location. Additionally, the two converting lines at our Barnwell facility are believed to have added an additional 30,000 to 32,000 tons of annual capacity. However, we may not be able to sell enough of our products to fully utilize such capacity. While the winning of private label bids and new branded sales business, previously announced, are expected to contribute greatly to the utilization of this capacity, there are no assurances that the promised volumes will be ordered by the customers. If we are unable to generate the business needed to utilize the production capacity at the Barnwell facility fully, our business and projections could be adversely impacted. Furthermore, our strategy includes converting and selling more of our parent roll tonnage as converted product. Converted products sell at a higher price per ton than parent rolls and typically carry a higher margin on a tonnage basis. If we are unable to increase our sales of converted product to fully utilize the capacity from our converting lines, it could result in lost opportunity for increased margins and the need to temporarily or permanently curtail the production of one or more of our converting lines.

## **Risks Related To Our Common Stock**

***We currently do not plan to pay dividends on our Common Stock and, consequently, your only opportunity to achieve a return on your investment is if the price of our Common Stock appreciates.***

On February 21, 2011, our Board of Directors initiated a quarterly cash dividend. We paid dividends totaling \$0.35, \$1.40, and \$1.40 per share in 2017, 2016 and 2015. In the second quarter of 2017, our Board of Directors considered it prudent to suspend the quarterly dividend to preserve financial flexibility and ensure capital is appropriately allocated to advance the success of our business. Additionally, as amended our Credit Agreement restricts our ability to make any dividend or other distribution payment with respect to our equity unless we have achieved a Leverage Ratio of less than 4 to 1 for two consecutive fiscal quarters and no Default or Event of Default (as defined in the Credit Agreement) exists or would exist following such payment. The amount and timing of dividend payments otherwise remains subject to the judgment and approval of the Board of Directors. The declaration and payment of future dividends to holders of our common stock will be based upon many factors, including our financial condition, earnings, capital requirements of our businesses, legal requirements, regulatory constraints, industry practice, restrictions under our credit agreements, and other factors that the Board of Directors deems relevant. The Board of Directors retains the power to modify, suspend or cancel our dividend policy in any manner and at any time as it may in its discretion deem necessary or appropriate. We cannot assure you that our business will generate cash flow from operations in an amount sufficient to enable us to make distributions on our common stock.

***Our certificate of incorporation, bylaws and Delaware law contain provisions that could discourage a takeover.***

Our certificate of incorporation, bylaws and Delaware law contain provisions that might enable our management to resist a takeover. These provisions may:

- discourage, delay or prevent a change in the control of the Company or a change in our management;
- adversely affect the voting power of holders of common stock; and
- limit the price that investors might be willing to pay in the future for shares of our common stock.

***Our future operating results may be below securities analysts' or investors' expectations, which could cause our stock price to decline.***

Our revenue and income potential depends on maintaining and expanding our production capacity and realizing buyers for our additional production, and we may be unable to generate significant revenues or grow at the rate expected by securities analysts or investors. In addition, our costs may be higher than we, securities analysts or investors expect. Further, if financial leverage and related risks escalate and/or unforeseen cash flow disruptions were to occur, our stock prices could be adversely affected. If we fail to generate sufficient revenues or our costs are higher than we expect, our results of operations will suffer, which in turn could cause our stock price to decline. Our results of operations will depend upon numerous factors, including:

- the market price of our product;
- the cost of fiber used in producing paper;
- the efficiency of operations in both our paper mill and converting facility;
- the cost of energy.
- the costs of labor and maintenance;
- financial leverage undertaken, inclusive of its impacts upon interest expense and debt service;
- capital spending requirements, inclusive of impacts upon depreciation; and
- working capital and other cash flow management.

Our operating results in any particular period may not be a reliable indication of our future performance. In some future quarters, our operating results may be below the expectations of securities analysts or investors. If this occurs, the price of our common stock will likely decline.

***Our common stock has low average trading volume, and we expect that the price of our common stock could fluctuate substantially.***

The average daily trading volume of our common stock in 2017 was approximately 134,000 shares. The market price for our common stock is affected by a number of factors, including:

- actual or anticipated variations in our results of operations or those of our competitors;
- changes in earnings estimates or recommendations by securities analysts or our failure to achieve analysts' earnings estimates; and
- developments in our industry.

The stock prices of many companies in the paper products industry have experienced wide fluctuations that have often been unrelated to the operating performance of these companies. Because of the low trading volume, our stock price is subject to greater potential volatility. Following periods of volatility in the market price of a company's securities, stockholders have often instituted class action securities litigation against those companies. Class action securities litigation, if instituted against us, could result in substantial costs and a diversion of our management resources, which could significantly harm our business.

***Our directors have limited personal liability and rights of indemnification from us for their actions as directors.***

Our certificate of incorporation limits the liability of directors to the maximum extent permitted by Delaware law. Delaware law provides that directors of a corporation will not be personally liable for monetary damages for breach of their fiduciary duties as directors, except liability for:

- any breach of their duty of loyalty to the corporation or its stockholders;
- acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law;
- unlawful payments of dividends or unlawful stock repurchases or redemptions; or
- any transaction from which the director derived an improper personal benefit.

Our certificate of incorporation and bylaws provide that we will indemnify our directors and executive officers and other officers and employees and agents to the fullest extent permitted by law.

We entered into separate indemnification agreements with each of our directors and officers, which are broader than the specific indemnification provision under Delaware law. Under these agreements, we are required to indemnify them against all expenses, judgments, fines, settlements and other amounts actually and reasonably incurred, in connection with any actual, or any threatened, proceeding if any of them may be made a party because he or she is or was one of our directors or officers.

If any litigation or proceeding were pursued against any of our directors, officers, employees or agents where indemnification is required or permitted, we could incur significant legal expenses and be responsible for any resulting settlement or judgment.

**Item 1B. UNRESOLVED STAFF COMMENTS**

None.

**Item 2. PROPERTIES**

Our Pryor, Oklahoma facility is housed on a 36-acre property and includes two paper mill facilities totaling 162,000 square feet. The original mill building is approximately 135,000 square feet and houses two paper machines and related processing equipment. The newer facility is approximately 27,000 square feet and houses one paper machine, with an adjacent 29,400 square foot parent roll warehouse. Adjacent to our paper mill, we have an approximately 300,000 square feet converting facility, which has twelve lines of converting equipment. We also own a 245,000 square foot finished goods warehouse, which adjoins the converting facility.

Additionally, in conjunction with the Fabrica Transaction, we acquired certain papermaking and converting equipment, which is located in Mexico and operated by Fabrica under the terms of the Equipment Lease Agreement signed as part of the transaction. This equipment includes one paper machine and two converting lines with capacity of approximately 19,800 annual tons.

Our Barnwell, South Carolina facility is housed on an 86-acre property. In 2016, we completed a 300,000 square foot converting facility, housing two converting lines. A 115,000 square foot paper mill with one tissue paper machine and related processing equipment was completed near the end of second quarter 2017. The facility also includes a recycling/de-inking plant, which was completed near the end of fourth quarter 2017. Additionally, the property includes storage space for raw materials and finished goods.

| Facility                               | Location     | Sq. Ft. | Owned or Leased | Annual Estimated Capacity <sup>(1)</sup> (in tons) |
|----------------------------------------|--------------|---------|-----------------|----------------------------------------------------|
| Paper Mill . . . . .                   | Pryor, OK    | 162,000 | Owned           | 74,000                                             |
| Paper Mill – Paper Warehouse . . . . . | Pryor, OK    | 29,400  | Owned           |                                                    |
| Converting . . . . .                   | Pryor, OK    | 300,000 | Owned           | 82,500                                             |
| Converting – Warehouse . . . . .       | Pryor, OK    | 245,000 | Owned           |                                                    |
| Converting . . . . .                   | Barnwell, SC | 300,000 | Owned           | 30,000 – 32,000                                    |
| Paper Mill . . . . .                   | Barnwell, SC | 115,000 | Owned           | 35,000 – 40,000                                    |

- (1) Annual estimated capacity can vary significantly depending upon several factors. Paper mill capacity is heavily dependent upon the mix of paper grades produced, including the effects of basis weight on tonnage produced. Converting capacity is heavily dependent upon the mix of converted products produced, including the product configurations. We believe we can effectively use 85% to 90% of the converting capacity and still maintain a high level of customer service.

Under the Supply Agreement we have with Fabrica, up to 19,800 tons of our products or parent rolls may be manufactured at Fabrica's location in Mexicali, Mexico. In accordance with the terms of the transaction, Fabrica has discretion on the most effective manner in which to use these assets. Fabrica may use these assets to provide converted products under the Supply Agreement or may use these assets to manufacture products sold to its customers. Furthermore, in accordance with terms of the transaction, items produced under the Supply Agreement may be manufactured on Fabrica's paper making assets, which can produce quality grades ranging from the value tier to the ultra-premium tier, using the latest paper machine technology.

We believe our facilities in Pryor, Oklahoma are well maintained and, with the addition of the capacity obtained under the Fabrica Transaction and the construction of our facility in South Carolina, are adequate to serve our present and near term operating requirements. While we currently do not have any specific plans to do so, we believe we have adequate land available to add additional paper making capacity at our Oklahoma site. Any future expansion of converting capacity at the Pryor location would likely result in the need to acquire land adjacent to our facility and to construct additional manufacturing space. During 2013, we entered into an option to purchase land adjacent to our converting facility in Oklahoma, which, including renewal options, expires in May of 2019. We have third-party storage agreements that provide off-site warehousing options when additional storage facilities are necessary.

### Item 3. LEGAL PROCEEDINGS

From time to time, we are involved in litigation relating to claims arising out of our operations in the normal course of business. As of the date of this report, we were not engaged in any legal proceedings, which are expected, individually or in the aggregate, to have a material adverse effect on us.

### Item 4. MINE SAFETY DISCLOSURES

Not applicable.

## PART II

### Item 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

#### Market Information

Since July 15, 2005, our common stock has been traded on the NYSE American (formerly known as NYSE MKT), under the symbol "TIS". The following table sets forth the high and low closing prices of our common stock for the periods indicated and reported by the NYSE American.

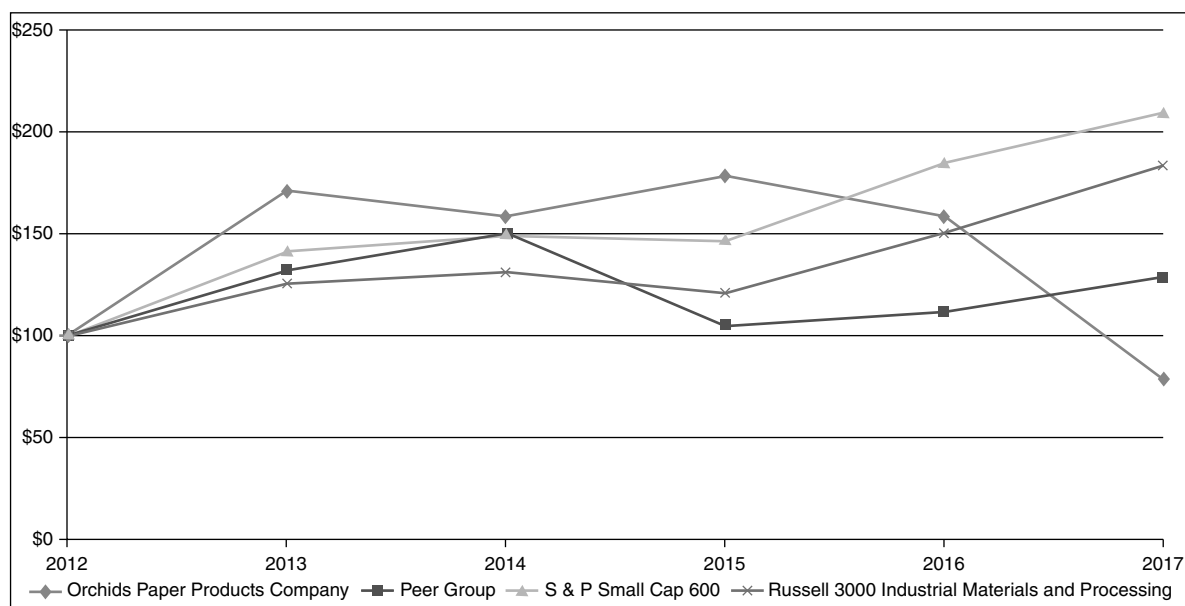
|                                      | <u>High</u> | <u>Low</u> |
|--------------------------------------|-------------|------------|
| <b>Year Ended December 31, 2017:</b> |             |            |
| First quarter . . . . .              | \$29.93     | \$23.71    |
| Second quarter . . . . .             | 25.51       | 11.55      |
| Third quarter . . . . .              | 14.26       | 8.80       |
| Fourth quarter . . . . .             | 14.69       | 11.85      |
| <b>Year Ended December 31, 2016:</b> |             |            |
| First quarter . . . . .              | \$30.54     | \$24.80    |
| Second quarter . . . . .             | 35.61       | 27.01      |
| Third quarter . . . . .              | 36.01       | 26.89      |
| Fourth quarter . . . . .             | 27.99       | 23.35      |

As of March 5, 2018, there were 6 holders of record of an aggregate 10,670,348 shares of our common stock. The actual number of stockholders is greater than the number of record holders, and includes stockholders who are beneficial owners, but whose shares are held in street name by brokers and other nominees. We estimate that we have approximately 11,030 beneficial owners of our common stock. On March 1, 2018, the last reported sale price of our common stock on the NYSE American was \$10.65.

## Performance Graph

The following graph compares the cumulative total stockholder return on our common stock since December 31, 2012, with the cumulative total return of the Standard & Poor's Small Cap Price Index, the Standard & Poor's Composite 600 Paper Products Index and our selected peer group companies comprised of Clearwater Paper Corporation, Resolute Forest Products, and Cascades. These comparisons assume the investment of \$100 on December 31, 2012, and the reinvestment of dividends.

These indices are included only for comparative purposes as required by the SEC and do not necessarily reflect management's opinion that such indices are an appropriate measure of the relative performance of the common stock. They are not intended to forecast possible future performance of our common stock.



|                                                      | December 31, |          |          |          |          |          |
|------------------------------------------------------|--------------|----------|----------|----------|----------|----------|
|                                                      | 2012         | 2013     | 2014     | 2015     | 2016     | 2017     |
| Orchids Paper Products Company . . . . .             | \$100.00     | \$170.70 | \$158.88 | \$178.06 | \$158.58 | \$ 78.48 |
| Peer Group . . . . .                                 | \$100.00     | \$131.96 | \$150.77 | \$104.72 | \$111.68 | \$128.63 |
| S & P Small Cap 600 . . . . .                        | \$100.00     | \$141.31 | \$149.45 | \$146.50 | \$185.40 | \$209.94 |
| Russell 3000 Industrial Materials and Processing . . | \$100.00     | \$125.51 | \$131.45 | \$120.25 | \$151.32 | \$183.87 |

## Common Stock Dilution

As of December 31, 2017, we had 10,670,348 shares of common stock outstanding. We have outstanding options to purchase shares of our common stock, which once fully vested, represent approximately 9% of the current outstanding shares. As of December 31, 2017, we had options outstanding to purchase 939,425 shares of our common stock at an exercise price ranging from \$11.95 to \$31.33. The options expire on various dates from 2019 to 2027.

## Dividends

On February 21, 2011, our Board of Directors initiated a quarterly cash dividend. We paid the following dividends on each share of our common stock then outstanding in 2017, 2016 and 2015:

|                          | <u>2017</u>   | <u>2016</u>   | <u>2015</u>   |
|--------------------------|---------------|---------------|---------------|
| First quarter . . . . .  | \$0.35        | \$0.35        | \$0.35        |
| Second quarter . . . . . | —             | 0.35          | 0.35          |
| Third quarter . . . . .  | —             | 0.35          | 0.35          |
| Fourth quarter . . . . . | —             | 0.35          | 0.35          |
| Total . . . . .          | <u>\$0.35</u> | <u>\$1.40</u> | <u>\$1.40</u> |

In the second quarter of 2017, our Board of Directors considered it prudent to suspend the quarterly dividend to preserve financial flexibility and ensure capital is appropriately allocated to advance the success of our business. Additionally, as amended our Credit Agreement restricts our ability to make any dividend or other distribution payment with respect to our equity unless we have achieved a Leverage Ratio of less than 4 to 1 for two consecutive fiscal quarters and no Default or Event of Default (as defined in the Credit Agreement) exists or would exist following such payment. The amount and timing of dividend payments otherwise remains subject to the judgment and approval of the Board of Directors. The declaration and payment of future dividends to holders of our common stock will be based upon many factors, including our financial condition, earnings, capital requirements of our businesses, legal requirements, regulatory constraints, industry practice, restrictions under our credit agreements, and other factors that the Board of Directors deems relevant. The Board of Directors retains the power to modify, suspend or cancel our dividend policy in any manner and at any time as it may in its discretion deem necessary or appropriate.

## Recent Sales of Unregistered Securities

None.

## Repurchase of Equity Securities

We do not have any programs to repurchase shares of our common stock and no such repurchases were made during the year ended December 31, 2017.

## Item 6. SELECTED FINANCIAL DATA

The following selected financial data should be read in conjunction with “Management’s Discussion and Analysis of Financial Condition and Results of Operations” following this section and our financial statements and related notes included in Item 8 of this Form 10-K. The following tables set forth selected financial data as of and for the years ended December 31, 2017, 2016, 2015, 2014, and 2013, which were derived from our audited financial statements. Our audited financial statements as of December 31, 2017 and 2016, and for each of the three years in the period ended December 31, 2017, are included below under Item 8 of this Form 10-K. The historical results are not necessarily indicative of the operating results to be expected in any future period. The results for the years ended December 31, 2017, 2016 and 2015 include the impacts of the Fabrica Transaction discussed in Note 2 of the notes to the audited financial statements included below under Item 8 of this Form 10-K.

|                                                     | Year Ended December 31                         |           |           |           |           |
|-----------------------------------------------------|------------------------------------------------|-----------|-----------|-----------|-----------|
|                                                     | 2017                                           | 2016      | 2015      | 2014      | 2013      |
|                                                     | (In thousands, except per share data and tons) |           |           |           |           |
| Converted product net sales . . . . .               | \$150,106                                      | \$158,102 | \$161,052 | \$138,382 | \$109,611 |
| Parent roll net sales . . . . .                     | 12,378                                         | 6,392     | 7,394     | 4,342     | 6,763     |
| Total net sales . . . . .                           | 162,484                                        | 164,494   | 168,446   | 142,724   | 116,374   |
| Cost of sales . . . . .                             | 153,758                                        | 134,345   | 137,949   | 115,985   | 88,494    |
| Gross profit . . . . .                              | 8,726                                          | 30,149    | 30,497    | 26,739    | 27,880    |
| Selling, general and administrative expenses . . .  | 11,711                                         | 10,244    | 9,540     | 11,675    | 9,471     |
| Intangibles amortization . . . . .                  | 932                                            | 1,219     | 1,507     | 753       | —         |
| Operating income (loss) . . . . .                   | (3,917)                                        | 18,686    | 19,450    | 14,311    | 18,409    |
| Interest expense . . . . .                          | 4,980                                          | 1,678     | 521       | 271       | 371       |
| Other (income) expense, net . . . . .               | (70)                                           | (214)     | (683)     | 181       | (173)     |
| Income (loss) before income taxes . . . . .         | (8,827)                                        | 17,222    | 19,612    | 13,859    | 18,211    |
| Provision for (benefit from) income taxes . . . . . | (15,501)                                       | 4,411     | 6,055     | 4,394     | 4,892     |
| Net income . . . . .                                | \$ 6,674                                       | \$ 12,811 | \$ 13,557 | \$ 9,465  | \$ 13,319 |
| Diluted net income per common share . . . . .       | \$ 0.64                                        | \$ 1.24   | \$ 1.38   | \$ 1.11   | \$ 1.67   |
| Cash dividends declared per share . . . . .         | 0.35                                           | 1.40      | 1.40      | 1.40      | 1.35      |

### Cash Flow Data

Cash flow provided by (used in):

|                                |           |           |           |           |           |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|
| Operating activities . . . . . | \$ 13,446 | \$ 27,827 | \$ 18,791 | \$ 20,152 | \$ 20,796 |
| Investing activities . . . . . | (47,864)  | (77,679)  | (75,189)  | (37,434)  | (12,179)  |
| Financing activities . . . . . | 29,491    | 54,241    | 59,738    | 11,098    | (7,146)   |

|                                                                 | As of December 31, |         |           |          |           |
|-----------------------------------------------------------------|--------------------|---------|-----------|----------|-----------|
|                                                                 | 2017               | 2016    | 2015      | 2014     | 2013      |
| Working capital <sup>(1)</sup> . . . . .                        | (148,487)          | 26,995  | \$ 19,453 | \$ 4,140 | \$ 21,888 |
| Net property, plant and equipment . . . . .                     | 285,758            | 249,184 | 173,378   | 119,720  | 95,745    |
| Total assets . . . . .                                          | 346,535            | 319,880 | 248,737   | 169,935  | 126,500   |
| Long-term debt, net of current portion <sup>(1)</sup> . . . . . | 33                 | 133,989 | 70,357    | 33,472   | 13,887    |
| Total stockholders’ equity . . . . .                            | 141,787            | 133,245 | 133,783   | 100,513  | 84,849    |

- (1) As of December 31, 2017, \$158.0 million of long-term debt with stated maturities beyond 12 months is included in current liabilities due to uncertainties regarding the Company’s ability to meet existing debt covenants over the next twelve-month period.

## Item 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

*You should read the following discussion of our financial condition and results of operations in conjunction with the audited financial statements and the notes to those statements included elsewhere in this Form 10-K. This discussion contains forward-looking statements that involve risks and uncertainties. You should specifically consider the various risk factors identified in this filing that could cause actual results to differ materially from those anticipated in these forward-looking statements.*

### Business Overview

We are a customer-focused, national supplier of high-quality consumer tissue products. We produce bulk tissue paper, known as parent rolls, and convert parent rolls into finished products, including paper towels, bathroom tissue and paper napkins. We generally sell parent rolls not required by our converting operation to other converters. Our integrated manufacturing facilities have flexible production capabilities, which allow us to produce high quality tissue products within short production times for customers in our target regions. This vertical integration, a low variable cost per unit, and the use of operating leverage in securing a higher contribution margin on added volume, we believe, all provide competitive advantage from a cost standpoint. We predominately sell our products under private labels to our core customer base in the “at home” market, which consists primarily of dollar stores, discount retailers, mass merchandiser, club stores, and grocery stores that offer limited alternatives across a wide range of products. Our focus has been to grow with the channels expected to grow more than the industry average; these being the dollar stores, discount retailers, and club store. Geographic concentration, consistent order patterns and a low number of stock keeping units (“SKUs”) have been other targeted metrics. The “at home” tissue market consists of several quality levels, including a value tier, premium tier and ultra-premium tier. To a lesser extent, we service customers in the “away from home” market. Our core customer base in the “away from home” market consists of companies in the janitorial market and food service market. Most of the products we sell in the “away from home” market are included in the value tier.

- Net income decreased 47.9% to \$6.7 million in 2017 from \$12.8 million in 2016.
- EBITDA decreased to \$10.8 million in 2017 from \$31.8 million in 2016 and EBITDA margin decreased to 6.7% in 2017 from 19.4% in 2016 as new semi-variable and fixed costs associated with the addition of the Barnwell facility were added and start-up costs for the Barnwell mill and de-inking plant were incurred, of which both costs preceded anticipated revenues from selling out the additional capacity. Other market dynamics have had individually lesser impacts.
- Cash flows — Operating cash flows excluding changes in working capital decreased \$27.1 million year over year, reflecting a decrease in pre-tax cash earnings. Changes in working capital increased operating cash flows by \$12.7 million year over year, largely due to a decrease in income tax receivables. Additionally, increased borrowings in both periods were used to finance investments in the Barnwell facility.
- Net sales were \$162.5 million in 2017 compared to \$164.5 million in 2016, as an increase in parent rolls sold largely offset a decline in converted product net sales.
- Net sales of converted product decreased 5% to \$150.1 million in 2017 compared to \$158.1 million in 2016, with \$5.6 million of the decrease attributable to a decline in the average selling price and \$2.4 million due to lower sales volume.
- Earnings per diluted common share was \$0.64 in 2017 compared to \$1.24 per diluted common share in 2016, including the effects of a net one-time benefit of approximately \$11 million from the change in federal tax rates enacted in 2017 for future tax years and 359,957 shares of common stock issued under the ATM Program in 2017.

## Comparative Years Ended December 31, 2017, 2016 and 2015

### Net Sales

|                                       | Year Ended December 31, |                  |                  |
|---------------------------------------|-------------------------|------------------|------------------|
|                                       | 2017                    | 2016             | 2015             |
|                                       | (In thousands)          |                  |                  |
| Converted product net sales . . . . . | \$150,106               | \$158,102        | \$161,052        |
| Parent roll net sales . . . . .       | 12,378                  | 6,392            | 7,394            |
| Total net sales . . . . .             | <u>\$162,484</u>        | <u>\$164,494</u> | <u>\$168,446</u> |

Net sales for the year ended December 31, 2017 decreased \$2.0 million, or 1%, to \$162.5 million from \$164.5 million for the year ended December 31, 2016. Net sales figures consist of gross selling price, including freight, less discounts and sales promotions. Net sales of converted product decreased \$8.0 million, or 5%, to \$150.1 million compared to \$158.1 million in 2016, with \$5.6 million of the decrease attributable to a decline in the average selling price and \$2.4 million due to lower sales volume. Net sales of parent rolls increased \$6.0 million, or 94%, in 2017, to \$12.4 million compared to \$6.4 million in 2016, driven by a \$6.3 million increase in volume, partially offset by a \$0.3 million decrease in average selling prices. The increase in volume principally resulted from both the use of production-capacity not needed for converted products and the ramp-up of capacity at the new mill in Barnwell, South Carolina.

Net sales for the year ended December 31, 2016 decreased \$3.9 million, or 2%, to \$164.5 million compared to \$168.4 million for the year ended December 31, 2015. Net sales of converted product decreased \$3.0 million, or 2%, to \$158.1 million compared to \$161.1 million in 2015. The decrease in converted product sales was due to a 2% decrease in converted product tonnage shipped, as the average selling price did not change year-over-year. Net sales of parent rolls decreased \$1.0 million, or 14%, in 2016, to \$6.4 million compared to \$7.4 million in 2015, primarily due to a lower average selling price in 2016. The lower volume of parent roll sales in 2016 reflects parent roll product that was used in part for the Barnwell, South Carolina start-up, thereby forgoing margin we would have received on parent roll sales in favor of margin on tonnage sold as converted product.

### Cost of Sales

|                                 | Year Ended December 31,                      |                  |                  |
|---------------------------------|----------------------------------------------|------------------|------------------|
|                                 | 2017                                         | 2016             | 2015             |
|                                 | (in thousands, except gross profit margin %) |                  |                  |
| Cost of goods sold . . . . .    | \$140,014                                    | \$122,629        | \$128,232        |
| Depreciation . . . . .          | 13,744                                       | 11,716           | 9,717            |
| Cost of sales . . . . .         | <u>\$153,758</u>                             | <u>\$134,345</u> | <u>\$137,949</u> |
| Gross profit . . . . .          | \$ 8,726                                     | \$ 30,149        | \$ 30,497        |
| Gross profit margin % . . . . . | 5.4%                                         | 18.3%            | 18.1%            |

Major components of cost of sales are the cost of fiber, core-stock, packaging materials, other raw materials, direct labor and benefits, freight on products shipped to customers, insurance, repairs and maintenance, energy and other utilities, depreciation and the cost of converted products purchased under the Supply Agreement with Fabrica.

Cost of sales for the year ended December 31, 2017 increased \$19.4 million, or 14%, to \$153.8 million from \$134.3 million in the year ended December 31, 2016. Cost of sales as a percentage of net sales was 94.6% in 2017 compared to 81.7% in 2016. The addition of the Barnwell facility and its related expenses prior to selling-out the additional capacity was the principal reason for the difference in the relative percentages. Barnwell's fixed labor and overhead increased approximately \$10.7 million year over year. Depreciation expense, included in overhead, increased \$2.0 million also related to the addition of the Barnwell plant. Cost of sales included approximately \$3.5 million of start-up costs for Barnwell. The volume of parent rolls sold drove an increase in costs of sales of over \$5.2 million. Decreases in material

costs, resulting from decreased costs per unit and converted tons, were largely offset by the cost impact of higher-cost materials to make ultra-premium products. Freight increased by approximately \$1.0 million due to shifts in the mix of shipments for which Orchids is responsible for the distribution costs. Pryor's overhead and labor decreased approximately \$0.4 million year over year. The net change in cost attributable to the Supply Agreement year over year was not material.

Cost of sales for the year ended December 31, 2016 decreased \$3.6 million, or 3%, to \$134.3 million compared to \$137.9 million in the year ended December 31, 2015. Cost of sales as a percentage of net sales was 81.7% in the 2016 period compared to 81.9% in the 2015 period. Lower fiber costs in the United States are estimated to have reduced our cost of sales by approximately \$2.5 million during 2016, and the devaluation of the peso reduced year-over-year cost of sales by approximately \$1.4 million. Additionally, an incident in our converting operation in the fourth quarter of 2015 resulted in lost sales and the resultant margins on approximately 300,000 cases in 2015. This incident was covered by a business interruption insurance policy, under which we recovered approximately \$1.1 million when settled in 2016. Depreciation expense increased by \$2.0 million in 2016 due to 2016 and 2015 capital expenditures.

### Gross Profit

Gross profit was \$8.7 million for the year ended December 31, 2017, compared to \$30.1 million in 2016. As a percentage of net sales, gross profit decreased to 5.4% in 2017 compared to 18.3% in 2016. The decrease in gross profit margin was primarily due to the start-up costs for the Barnwell mill and de-inking plant which preceded the revenues generated from selling the additional capacity, the impact of higher-cost materials to make ultra-premium products, and additional freight costs due to shifts in the mix of shipments for which Orchids is responsible for distribution costs. Additionally, converted product sales, which generally have higher margins than those for parent rolls, declined due to competitive pressures upon pricing and market share/volume.

Gross profit was \$30.1 million in the year ended December 31, 2016, compared to \$30.5 million in 2015. As a percentage of net sales, gross profit increased to 18.3% in 2016 compared to 18.1% in 2015. The increase in gross profit margin was primarily due to lower fiber costs, the devaluation of the peso, and a recovery under a business interruption policy for an incident that curtailed production in our Oklahoma converting operation in 2015, the benefits of which were partially offset by higher depreciation and production inefficiencies associated with the start-up and ramp-up at Barnwell.

### Selling, General and Administrative Expenses

|                                                             | Year Ended December 31, |                 |                |
|-------------------------------------------------------------|-------------------------|-----------------|----------------|
|                                                             | 2017                    | 2016            | 2015           |
| (In thousands, except SG&A as a % of net sales)             |                         |                 |                |
| Commission expense . . . . .                                | \$ 831                  | \$ 1,121        | \$1,117        |
| Other selling, general & administrative expense . . . . .   | 10,880                  | 9,123           | 8,423          |
| Selling, general & administrative expenses (SG&A) . . . . . | <u>\$11,711</u>         | <u>\$10,244</u> | <u>\$9,540</u> |
| SG&A as a % of net sales . . . . .                          | 7.2%                    | 6.2%            | 5.7%           |

Selling, general and administrative (SG&A) expenses include salaries, commissions to brokers and other miscellaneous expenses. SG&A expenses increased \$1.5 million, or 14%, to \$11.7 million for the year ended December 31, 2017, compared to \$10.2 million in 2016. The increase in SG&A reflects higher legal and professional fees, charitable contributions of excess inventory, increases in administrative and sales personnel costs, changes in allowances for bad debt, and increased rent expense, net of the favorable impact of a decrease in tax penalties as compared to 2016. As a percentage of net sales, SG&A increased to 7.2% in 2017 compared to 6.2% in 2016.

SG&A expenses increased \$0.7 million, or 7%, to \$10.2 million in the year ended December 31, 2016 compared to \$9.5 million in 2015. The increase in SG&A reflects increases in administrative compensation, recruiting and relocation, and legal and professional fees. As a percentage of net sales, SG&A increased to 6.2% in 2016 compared to 5.7% in 2015.

### Amortization of Intangibles

We recognized \$0.9 million, \$1.2 million and \$1.5 million of amortization expense related to the intangible assets acquired in the Fabrica Transaction during 2017, 2016 and 2015, respectively.

### Operating Income (Loss)

As a result of the foregoing factors, operating results for the years ended December 31, 2017, 2016 and 2015 were \$3.9 million loss, \$18.7 million income, and \$19.5 million income, respectively.

### Interest and Other (Income) Expense

|                                             | Year Ended December 31, |          |          |
|---------------------------------------------|-------------------------|----------|----------|
|                                             | 2017                    | 2016     | 2015     |
|                                             | (In thousands)          |          |          |
| Interest expense . . . . .                  | \$ 4,980                | \$ 1,678 | \$ 521   |
| Other (income) expense, net . . . . .       | (70)                    | (214)    | (683)    |
| Income (loss) before income taxes . . . . . | \$(8,827)               | \$17,222 | \$19,612 |

Interest expense includes interest paid and accrued on all debt and amortization of deferred debt issuance costs. See “Liquidity and Capital Resources” below. Interest expense for the year ended December 31, 2017 was \$5.0 million compared to \$1.7 million in 2016. Interest expense for 2017 excludes \$3.6 million of interest capitalized on significant projects during the period, compared to \$1.7 million of capitalized interest in 2016. The higher level of total interest in 2017 reflects higher debt balances incurred in conjunction with the construction of our South Carolina facility and higher interest rates, as our interest rate is determined, in part, by our Leverage Ratio under the Credit Agreement. Our weighted average interest rate increased to 7.3% at December 31, 2017 from 2.6% at December 31, 2016.

Interest expense for the year ended December 31, 2016 was \$1.7 million compared to \$0.5 million in 2015. Interest expense for 2016 excludes \$1.7 million of interest capitalized on significant projects during the period, compared to \$0.5 million of capitalized interest in 2015. The higher level of total interest in 2016 resulted from higher debt balances in 2016, primarily due to additional debt incurred in conjunction with our converting line project in Oklahoma and construction of our South Carolina facility and the full-year effect of debt incurred in conjunction with the paper machine project in Oklahoma in 2015.

### Income (Loss) Before Income Taxes

As a result of the foregoing factors, income before income taxes decreased \$26.0 million to an \$8.8 million loss for the year ended December 31, 2017 compared to \$17.2 million pre-tax income for the year ended December 31, 2016. Income before income taxes decreased \$2.4 million, or 12%, for the year ended December 31, 2016 from \$19.6 million for the year ended December 31, 2015.

### Income Tax Provision (Benefit)

For the year ended December 31, 2017, an income tax benefit of \$15.5 million was recognized, which includes the impact of the new tax laws for future tax years enacted in December 2017. Deferred tax assets and liabilities are measured based on applicable enacted tax rates and provisions of enacted tax laws. Accordingly, all deferred tax assets and liabilities as of December 31, 2017 were restated at a 21% tax rate. Since Orchids has a net deferred tax liability, this resulted in a net tax benefit of approximately \$11 million. Exclusive of the \$11 million benefit from the change in the tax laws, our effective tax rate would have been approximately 51%. Oklahoma Investment Tax Credits (“OITC”) associated with investments in our manufacturing operations in Pryor, Oklahoma; federal credits, foreign tax credits and research and development credits; and our net pre-tax losses for 2017 contributed to the tax benefit.

For the year ended December 31, 2016, income tax expense was \$4.4 million, resulting in an effective tax rate of 25.6%. This rate is lower than the statutory rate primarily due to South Carolina Investment Tax Credits (“SCITC”) and OITC associated with investments in our manufacturing operations in Barnwell, South Carolina and Pryor, Oklahoma, respectively, and federal credits, including Indian Employment Credits (“IEC”), foreign tax credits and research and development credits.

For the year ended December 31, 2015, income tax expense was \$6.1 million, resulting in an effective tax rate of 30.9%. This rate is lower than the statutory rate primarily due to OITC associated with investments in our manufacturing operations, manufacturing tax deductions and federal IEC.

Our current Oklahoma tax obligations for the years ended December 31, 2017, 2016 and 2015 were satisfied by using our OITC carryforward.

## **LIQUIDITY AND CAPITAL RESOURCES**

### **Overview**

Liquidity refers to the liquid financial assets available to fund our business operations and pay for near-term obligations. Liquid financial assets consist of cash and unused borrowing capacity under our revolving credit facility. Liquidity may also be generated through the management of working capital. As product inventories and trade accounts receivable change, the availability of the \$25 million revolving line of credit changes. Draws upon or repayments of the revolving line of credit may largely offset changes in working capital. Our cash requirements have historically been satisfied through a combination of cash flows from operations, equity financings and debt financings. We expect this trend to continue, although there can be no assurances of this.

As of December 31, 2017, we had unrestricted cash of \$3.8 million, compared to \$8.8 million as of December 31, 2016. Additionally, as of December 31, 2016, we had \$1.3 million of cash that was restricted to use for construction of our South Carolina facility. During 2017, the most significant event effecting liquidity and capital needs was the construction of our integrated converting facility in Barnwell, South Carolina, consisting of a converting building, two converting lines, a paper mill building, a paper machine capable of producing structured tissue, equipment capable of utilizing recycled paper, warehouse facilities, and other supporting equipment and facility space at a total estimated cost of \$165 million. During 2017 and 2016, we incurred \$49.2 million and \$88.9 million, respectively, of capital expenditures, including \$45.7 million and \$79.4 million, respectively, of assets associated with our South Carolina facility. In addition to the capital expenditures, significant sums were expended upon start-up costs and for the costs of operating the new plant prior to substantially utilizing the facilities. (See “Cost of Sales” section above.) Financing for this project was provided through a combination of: (i) a follow-on offering of 1.5 million shares of our common stock, which provided net proceeds of \$32.1 million; (ii) refinancing and expansion of our credit facility with U.S. Bank, and (iii) a New Market Tax Credit (“NMTC”) transaction, under which we received \$16.2 million of proceeds, and (iv) operating cash flows. Additionally, in 2017, we realized \$5.0 million in net proceeds from the issuance of our common stock under the ATM Program.

In April 2015, we entered into our Second Amended and Restated Credit Agreement (the “Credit Agreement”) with U.S. Bank National Association (“U.S. Bank”) to add \$40 million of borrowing capacity under a delayed draw term loan. In June 2015, we entered into Amendment No. 2 to obtain additional borrowing capacity. This amendment combined \$20.0 million outstanding under an existing revolving line of credit and \$27.3 million outstanding under an existing term loan into a \$47.3 million term loan, increased the delayed draw facility from \$40 million to \$115 million (later amended to \$108.5 million), and extended the maturity of the delayed draw facility from August 2015 to June 2020. Proceeds from the delayed draw term loan were used solely to finance the purchase and installation of new equipment and construction at our Barnwell, South Carolina facility. In January 2017, we entered into Amendment No. 3 to increase the total loan commitment, modify the pricing grid applicable to interest rates and the unused commitment fee, increase the permitted total Leverage Ratio for fiscal quarters ending on or prior to March 31, 2018, and amend the terms of the draw loan to provide for additional advance amounts available for the purpose of acquiring or improving real estate. Additionally, in March 2017, we entered into Amendment No. 4, which waived the permitted total Leverage Ratio for the first two quarters of 2017 and increased the permitted total Leverage Ratio for the last two quarters of 2017, lowered the required Fixed Charge Coverage Ratio for the second and third quarters of 2017, and extended the period during which funds may be drawn under the delayed draw loan to December 25, 2017. The delayed draw loan of \$108.5 million was fully drawn as of October 2017. In June 2017, we entered into Amendment No. 5, which, among other things, waived the required Fixed Charge Coverage Ratio for the period ended June 30, 2017. Additionally, we agreed not to make any dividend or other distribution payment with respect to our equity

unless we have achieved a Leverage Ratio of less than 4 to 1 for two consecutive fiscal quarters and no Default or Event of Default (as defined in the Credit Agreement) exists or would exist following such payment. The amount and timing of dividend payments otherwise remains subject to the judgment and approval of the Board of Directors. On November 7, 2017, we entered into Amendment No. 6 to the Credit Agreement, and Amendment No. 3 to our Loan Agreement for New Markets Tax Credit financing (the “NMTC Loan Agreement”), each of which, in addition to providing waivers for covenant defaults, provided for a minimum EBITDA covenant, amended the pricing schedule, and amended certain reporting requirements. At December 31, 2017, we were not in compliance with certain financial covenants under our Credit Agreement or our NMTC Loan Agreement, and obtained a waiver from our lenders.

On February 28, 2018, we entered into Amendment No. 7 to the Credit Agreement and on March 1, 2018 we entered into Amendment No. 4 to the NMTC Loan Agreement, each of which, in addition to providing waivers for covenant defaults until the measurement date of June 30, 2018, provide for a minimum EBITDA covenant, amend the pricing schedule, and amend certain reporting requirements. Including the amendments incorporated into these waivers, our credit facilities have been amended for each of the last five quarters. The financial covenant requirements remaining in effect at this time are as follows: Fixed Charge Coverage Ratio of 1.2 to 1.0 at December 31, 2017 and quarter-ends thereafter; Leverage Ratios of 4.5 at December 31, 2017, 3.5 at March 31, 2018, 5.5 at June 30, 2018, and 3.5 at quarter-ends thereafter; and minimum EBITDA for the most recent three-month period of \$5.0 million at December 31, 2017, \$4.6 million at January 31, 2018, and February 28, 2018, and at increasing levels as of the last day of each month thereafter. In addition, we are required to comply with other conditions and meet certain milestones in an allocated time, including that we must (i) by March 15, 2018, retain consultants to assist us in formulating a strategic plan to facilitate such activities; and (ii) by June 1, 2018, initiate a strategic alternative acceptable to our lenders to facilitate repayment of our outstanding debt obligations.

We sought to refinance our existing long-term debt in 2017, but did not procure an alternative acceptable to all parties involved. We intend to continue to seek to refinance our existing long-term debt obligations as required by our existing lender and as earnings and cash flow improve and more opportunities become available. We may also need to seek another amendment of our Credit Agreement with our existing lenders. If we are unable to obtain another suitable amendment and/or a refinancing is not completed, the bank syndicate could declare a default. There can be no assurance that our lenders will agree to further waivers or amendments to the existing debt covenants. While management is exploring options to refinance our existing long-term debt obligations, as well as alternative financing, refinancing, restructuring and capital-raising activities, in order to address our ongoing liquidity needs and to maintain sufficient access to the loan and capital markets on commercially acceptable terms to finance our business, there can be no assurance that we will be able to obtain additional financing on terms that are satisfactory to us, or at all. As of December 31, 2017, the borrowings under the Credit Agreement and the term loan otherwise due in 2022 were classified as current on the balance sheet due to these uncertainties regarding our ability to meet the existing debt covenants over the next twelve-month period. Our cash requirements have historically been satisfied through a combination of cash flows from operations, equity financings and debt financings. We expect to continue to use similar sources to address our cash requirements, however there can be no assurance that such sources will be adequate to satisfy our cash requirements in the future..

The terms of the Credit Agreement, as amended, consist of the following:

- a \$25.0 million revolving credit line due June 2020;
- a \$47.3 million Term Loan with a 5-year term due June 2020 with quarterly principal payments of \$0.7 million for September 2015 through June 2016, \$1.0 million for September 2016 through March 2018, and beginning in April 2018 through June 2020, monthly payments of \$0.3 million; and
- a \$108.5 million delayed draw term loan, which was fully drawn in October 2017, due June 2020 with quarterly principal payments beginning in September 2017 of 1.5% of the outstanding balance as of defined measurement dates through the draw period ending December 2017. Beginning in December 2017 through March 2018, quarterly principal payments are \$1.6 million, and beginning in April 2018 monthly payments of \$0.5 million will be paid through June 2020.

Additionally, in connection with the NMTC transaction, we entered into an \$11.1 million term loan with U.S. Bank (the “NMTC Loan Agreement”). This loan bears interest at a fixed rate of 4.4% and matures on December 29, 2022. The loan requires quarterly payments of principal and interest of approximately \$255,000, beginning in March 2016, with a balloon payment due on the maturity date. This transaction is discussed in further detail in the Notes to the Consolidated Financial Statements included in Item 8 of this Form 10-K.

Under the terms of the Credit Agreement, as amended, amounts outstanding will bear interest at a variable rate of LIBOR plus a specified margin. The specified margin is based on our quarterly Leverage Ratio, as defined in the Credit Agreement, as amended. The following table outlines the specified margins and the commitment fees payable under the Credit Agreement, as amended, as of March 1, 2018:

| <b>Leverage Ratio</b>                                      | <b>LIBOR Margin</b> | <b>Base Margin</b> | <b>Commitment Fee</b> |
|------------------------------------------------------------|---------------------|--------------------|-----------------------|
| Less than 1.00 . . . . .                                   | 1.25%               | 0.00%              | 0.15%                 |
| Greater than or equal to 1.00 but less than 2.00 . . . . . | 1.50%               | 0.00%              | 0.20%                 |
| Greater than or equal to 2.00 but less than 3.00 . . . . . | 1.75%               | 0.00%              | 0.25%                 |
| Greater than or equal to 3.00 but less than 3.50 . . . . . | 2.25%               | 0.00%              | 0.30%                 |
| Greater than or equal to 3.50 but less than 4.00 . . . . . | 2.50%               | 0.25%              | 0.35%                 |
| Greater than or equal to 4.00 but less than 4.50 . . . . . | 3.00%               | 0.75%              | 0.40%                 |
| Greater than or equal to 4.50 but less than 5.00 . . . . . | 3.50%               | 1.25%              | 0.45%                 |
| Greater than or equal to 5.00 but less than 6.00 . . . . . | 4.00%               | 1.75%              | 0.50%                 |
| Greater than or equal to 6.00 . . . . .                    | 7.00%               | 4.75%              | 1.55%                 |

The amount available under the revolving credit line may be reduced in the event that our borrowing base, which is based upon qualified receivables and qualified inventory, is less than \$25.0 million. As of December 31, 2017, our borrowing base was \$19.3 million, including \$9.3 million of eligible accounts receivable and \$10.0 million of eligible inventory. The amount available under the revolving credit line was \$2.4 million as of December 31, 2017.

Obligations under the Credit Agreement and the NMTC loan are secured by substantially all of our assets. The Credit Agreement contains representations and warranties, and affirmative and negative covenants customary for financings of this type, including, but not limited to, limitations on additional borrowings, additional investments and asset sales. We have the right to prepay borrowings under the Credit Agreement at any time without penalty.

We estimate that capital expenditures for our Oklahoma facility in 2018 will be roughly \$4.0 million, including some discretionary improvement projects, while capital expenditures for our South Carolina facility in 2017 will be roughly \$1.4 million, largely to complete payments for construction that occurred in 2017. We expect to fund the improvement projects with cash from operations. Significant future expansion or capacity improvement projects beyond those discussed would likely be funded consistent with our past practices.

On February 21, 2011, we initiated a quarterly cash dividend. The per share dividends that have been paid in the past three years are as follows:

|                          | <b><u>2017</u></b> | <b><u>2016</u></b> | <b><u>2015</u></b> |
|--------------------------|--------------------|--------------------|--------------------|
| First quarter . . . . .  | \$0.35             | \$0.35             | \$0.35             |
| Second quarter . . . . . | —                  | 0.35               | 0.35               |
| Third quarter . . . . .  | —                  | 0.35               | 0.35               |
| Fourth quarter . . . . . | —                  | 0.35               | 0.35               |
| Total . . . . .          | <u>\$0.35</u>      | <u>\$1.40</u>      | <u>\$1.40</u>      |

In the second quarter of 2017, our Board of Directors considered it prudent to suspend the quarterly dividend to preserve financial flexibility and ensure capital is appropriately allocated to advance the success of our business. Additionally, as amended our Credit Agreement restricts our ability to make any dividend or other distribution payment with respect to our equity unless we have achieved a Leverage Ratio of less than 4 to 1 for two consecutive fiscal quarters and no Default or Event of Default (as defined in the Credit

Agreement) exists or would exist following such payment. The amount and timing of dividend payments otherwise remains subject to the judgment and approval of the Board of Directors. The declaration and payment of future dividends to holders of our common stock will be based upon many factors, including our financial condition, earnings, capital requirements of our businesses, legal requirements, regulatory constraints, industry practice, restrictions under our credit agreements, and other factors that the Board of Directors deems relevant. The Board of Directors retains the power to modify, suspend or cancel our dividend policy in any manner and at any time as it may in its discretion deem necessary or appropriate.

The following table summarizes key cash flow information for the years ended December 31, 2017, 2016 and 2015:

|                                  | Year Ended December 31, |           |           |
|----------------------------------|-------------------------|-----------|-----------|
|                                  | 2017                    | 2016      | 2015      |
|                                  | (In thousands)          |           |           |
| Cash flow provided by (used in): |                         |           |           |
| Operating activities . . . . .   | \$ 13,446               | \$ 27,827 | \$ 18,791 |
| Investing activities . . . . .   | (47,864)                | (77,679)  | (75,189)  |
| Financing activities . . . . .   | 29,491                  | 54,241    | 59,738    |

Cash flows provided by operating activities decreased from \$27.8 million in 2016 to \$13.4 million in 2017. Operating cash flows excluding changes in working capital decreased \$27.1 million year over year, reflecting a decrease in pre-tax cash earnings. Additionally, a net decrease in the change in working capital accounts of \$12.7 million as compared to 2016 was principally due to the timing of income tax receivable collections.

Cash flows used in investing activities decreased from \$77.7 million in 2016 to \$47.9 million in 2017 with \$49.2 million of capital expenditures, including \$45.7 million for our South Carolina facility, while restricted cash from the NMTC transaction decreased by \$1.3 million in 2017. This cash may only be used to purchase assets for our South Carolina facility. Cash flows used in investing activities in 2016 included \$88.9 million of capital expenditures, of which \$79.4 million were for our South Carolina facility, while restricted cash from the NMTC transaction decreased by \$10.7 million.

Cash flows provided by financing activities decreased from \$54.2 million in 2016 to \$29.5 million in 2017, primarily due to borrowings of \$36.6 million under our credit facility and \$5.0 million in net proceeds from the issuance of our common stock under the ATM Program. These cash inflows were partially offset by debt principal repayments of \$7.8 million under the credit facility, dividend payments to stockholders of \$3.6 million and \$1.1 million of debt issuance costs incurred in 2017. In comparison, in 2016 we borrowed \$70.3 million under our credit facility with U.S. Bank and received \$1.9 million in proceeds from economic incentives associated with our South Carolina facility. These cash inflows were partially offset by dividend payments to stockholders of \$14.4 million and debt principal repayments of \$3.9 million in 2016.

Cash flows provided by operating activities increased from \$18.8 million in 2015 to \$27.8 million in 2016. Operating cash flows excluding changes in working capital increased \$3.8 million year over year, reflecting increases in cash-earnings and the deferral of tax payments. Additionally, a net decrease in the change in working capital accounts of \$5.2 million as compared to 2015 was principally due to the timing of receivable collections.

Cash flows used in investing activities increased from \$75.2 million in 2015 to \$77.7 million in 2016 due to \$88.9 million of capital expenditures, including \$79.4 million for our South Carolina facility, while restricted cash from the NMTC transaction decreased by \$10.7 million. Cash flows used in investing activities in 2015 included \$63.2 million of capital expenditures, of which \$41.8 million were for our South Carolina facility, and \$12.0 million of cash restricted in the NMTC transaction.

Cash flows provided by financing activities decreased from \$59.7 million in 2015 to \$54.2 million in 2016, primarily due to borrowings of \$70.3 million under our credit facility and \$1.9 million in proceeds from economic incentives associated with our South Carolina facility, which were partially offset by dividend payments to stockholders of \$14.4 million and debt principal repayments of \$3.9 million. In comparison, in 2015 we received \$32.1 million of net proceeds from a follow-on offering of 1.5 million shares of our common stock, borrowed \$41.9 million under our credit facility and term loans with

U.S. Bank and received \$5.1 million of net proceeds under the NMTC transaction. These cash inflows were partially offset by dividend payments to stockholders of \$13.8 million, \$2.7 million of debt principal repayments, a decrease in bank overdrafts of \$1.7 million, and \$1.3 million of debt issuance costs incurred in 2015.

## Contractual Obligations

As of December 31, 2017, our contractual cash obligations were our long-term debt and associated interest, natural gas contracts, lease obligations, and equipment purchase obligations related to capital projects. We do not have any material debt guarantees outstanding as of December 31, 2017. We do not have any defined benefit pension plans or any obligation to fund any postretirement benefit obligations for our work force.

Maturities of these contractual obligations consist of the following:

| Contractual Cash Obligations                  | Payments Due by Period |                 |                  |                |             |
|-----------------------------------------------|------------------------|-----------------|------------------|----------------|-------------|
|                                               | Years                  |                 |                  |                |             |
|                                               | Total                  | 1               | 2 and 3          | 4 and 5        | after 5     |
|                                               | (In thousands)         |                 |                  |                |             |
| Long-term debt <sup>(1)</sup>                 | \$170,801              | \$10,903        | \$151,680        | \$8,195        | \$23        |
| Interest payments <sup>(2)</sup>              | 30,841                 | 12,347          | 17,815           | 679            | —           |
| Natural gas contracts <sup>(3)</sup>          | 4,874                  | 1,886           | 2,988            | —              | —           |
| Lease obligations <sup>(4)</sup>              | 706                    | 152             | 313              | 241            | —           |
| Equipment purchase obligations <sup>(5)</sup> | 137                    | 137             | —                | —              | —           |
| Total                                         | <u>\$207,359</u>       | <u>\$25,425</u> | <u>\$172,796</u> | <u>\$9,115</u> | <u>\$23</u> |

- (1) Under our revolving credit and term loan agreements, the maturity of outstanding debt could be accelerated if we do not maintain certain financial covenants. Our lenders waived certain covenant defaults for the period ended December 31, 2017 (see Liquidity and Capital Resources discussion above).
- (2) The majority of our long-term debt carries interest at variable rates. These amounts have been calculated based on the interest rates in effect as of December 31, 2017, which ranged from 7.4% to 8.0% on variable rate loans and was 4.4% on our fixed rate loan, resulting in a weighted average rate of 7.3%.
- (3) In the fourth quarter of 2017, we entered into contracts to purchase natural gas for both our Pryor, Oklahoma and our Barnwell, South Carolina facilities. The terms of the agreements are as follows:

| PRYOR, OKLAHOMA |        |                 |        |                 |        |                 |         |                 |
|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|---------|-----------------|
| Period          | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU | MMBTUs  | Price per MMBTU |
| 1Q 2018         | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 25,029  | *               |
| 2Q 2018         | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 22,011  | *               |
| 3Q 2018         | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 13,222  | *               |
| 4Q 2018         | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 23,844  | *               |
| 1Q 2019         | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 25,029  | *               |
| 2Q 2019         | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 22,011  | *               |
| 3Q 2019         | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 13,222  | *               |
| 4Q 2019         | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 23,844  | *               |
| 1Q 2020         | —      | \$ —            | —      | \$ —            | —      | \$ —            | 130,029 | *               |
| 2Q 2020         | —      | \$ —            | —      | \$ —            | —      | \$ —            | 127,011 | *               |
| 3Q 2020         | —      | \$ —            | —      | \$ —            | —      | \$ —            | 118,222 | *               |
| 4Q 2020         | —      | \$ —            | —      | \$ —            | —      | \$ —            | 128,844 | *               |

\* The variable rate is based on the Oneok Gas Transportation rate plus an adder of \$0.01/MMBtu plus all applicable transport and fuel.

**BARNWELL, SOUTH CAROLINA**

| <b>Period</b> | <b>MMBTUs</b> | <b>Price per<br/>MMBTU</b> | <b>MMBTUs</b> | <b>Price per<br/>MMBTU</b> | <b>MMBTUs</b> | <b>Price per<br/>MMBTU</b> |
|---------------|---------------|----------------------------|---------------|----------------------------|---------------|----------------------------|
| 1Q 2018 ..... | 12,586        | \$3.52                     | 12,586        | \$3.43                     | 12,586        | \$3.37                     |
| 2Q 2018 ..... | 12,725        | \$3.52                     | 12,725        | \$3.43                     | 12,725        | \$3.37                     |
| 3Q 2018 ..... | 12,865        | \$3.52                     | 12,865        | \$3.43                     | 12,865        | \$3.37                     |
| 4Q 2018 ..... | 12,865        | \$3.52                     | 12,865        | \$3.43                     | 12,865        | \$3.37                     |
| 1Q 2019 ..... | 12,586        | \$3.52                     | 12,586        | \$3.43                     | 12,586        | \$3.37                     |
| 2Q 2019 ..... | 12,725        | \$3.52                     | 12,725        | \$3.43                     | 12,725        | \$3.37                     |
| 3Q 2019 ..... | 12,865        | \$3.52                     | 12,865        | \$3.43                     | 12,865        | \$3.37                     |
| 4Q 2019 ..... | —             | \$ —                       | —             | \$ —                       | 12,865        | \$3.37                     |

If we are unable to purchase the contracted amounts and the market price at that time is less than the contracted price, we would be obligated under the terms of our agreements to reimburse an amount equal to the difference between the contracted amount and the amount actually purchased, multiplied by the difference between our contract price and a price designated in the contract (approximates spot price). Commitments under the variable rate portion of the Pryor, Oklahoma contracts were calculated based on the rates in effect as of January 2018.

- (4) Effective January 1, 2017, we entered into a five-year operating lease for our corporate office located in Brentwood, Tennessee.
- (5) As of December 31, 2017, obligations under purchase orders related to the capital projects totaled approximately \$0.1 million.

**Off-Balance Sheet Arrangements**

We have not entered into any transactions, agreements or other contractual arrangements that would result in significant off-balance sheet liabilities.

**Critical Accounting Policies and Estimates**

The preparation of our financial statements and related disclosures in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and judgments that affect our reported amounts of assets and liabilities, revenues and expenses, and related disclosures of contingent assets and liabilities. On an on-going basis, we evaluate our estimates and assumptions based upon historical experience and various other factors and circumstances. Management believes that our estimates and assumptions are reasonable under the circumstances; however, actual results may vary from these estimates and assumptions under different future circumstances. We have identified the following critical accounting policies that affect the more significant judgments and estimates used in the preparation of our financial statements:

*Accounts Receivable.* Accounts receivable consist of amounts due to us from normal business activities. Our management must make estimates of accounts receivable that will not be collected. We perform ongoing credit evaluations of our customers and adjust credit limits based upon payment history and the customer's creditworthiness as determined by our review of their current credit information. We continuously monitor collections and payments from our customers and maintain a provision for estimated losses based on historical experience and specific customer collection issues that we have identified. Trade receivables are written-off when all reasonable collection efforts have been exhausted, including, but not limited to, external third-party collection efforts and litigation. While such credit losses have historically been within management's expectations and the provisions established, there can be no assurance that we will continue to experience the same credit loss rates as in the past. During the year ended 2017, based on sales levels, historical experience and an evaluation of the quality of existing accounts receivable, the allowance for doubtful accounts was increased by \$0.3 million. During the years ended 2016 and 2015, changes to the allowance for doubtful accounts were immaterial.

*Inventory.* Our inventory consists of converted finished goods, bulk paper rolls and raw materials stated at the lower of cost or net realizable value. Cost is based on standard cost, specific identification, or first-in, first-out (“FIFO”) method. Standard costs approximate actual costs on a FIFO basis. Material, labor and factory overhead necessary to produce the inventories are included in the standard cost to the extent such input costs do not result in values in excess of net realizable value. Our management regularly reviews inventory quantities on hand and records a provision for excess and obsolete inventory based on the age of the inventory and forecasts of product demand. A significant decrease in demand could result in an increase in the amount of excess inventory quantities on hand. During the year ended December 31, 2017, the inventory allowance increased \$0.3 million based on a specific review of estimated slow moving or obsolete inventory items and decreased \$0.3 million due to actual write offs of obsolete inventory items, resulting in an immaterial to the allowance. During the year ended December 31, 2016, the inventory allowance increased \$0.4 million based on a specific review of estimated slow moving or obsolete inventory items and decreased \$0.5 million due to actual write offs of obsolete inventory items, resulting in a net decrease in the allowance of \$0.1 million. During the year ended December 31, 2015, the inventory allowance increased \$0.2 million based on a specific review of estimated slow moving or obsolete inventory items and decreased \$0.3 million due to actual write offs of obsolete inventory items, resulting in a net decrease in the allowance of \$0.1 million.

*Property, plant and equipment.* Significant capital expenditures are required to establish and maintain a paper mill and converting facilities. Our property, plant and equipment consists of land, buildings and improvements, machinery and equipment, vehicles, parts and spares and construction-in-process, which are stated at cost, net of accumulated depreciation. Depreciation of property, plant and equipment is calculated using the straight-line method over the estimated useful lives of the assets. Our management regularly reviews estimated useful lives to determine whether any changes are necessary to reflect the related assets’ actual productive lives. The lives of our property, plant and equipment currently range from 2.5 to 40 years. As of December 31, 2017, we estimate that a 1-year decrease in useful lives would have increased our depreciation expense by approximately \$2.0 million, which would result in a corresponding reduction in our gross profit and operating income. We capitalize interest for major capital projects. Capitalized interest is added to the cost of the underlying assets and is depreciated over the useful lives of those assets. We capitalized interest of \$3.6 million, \$1.7 million and \$0.5 million for the years ended December 31, 2017, 2016, and 2015, respectively.

*Stock-based compensation.* U.S. GAAP requires equity-classified, share-based payments to employees, including grants of employee stock options, to be valued at fair value on the date of grant and to be expensed over the applicable vesting period. We recognize this expense on a straight-line basis over the options’ expected terms. We issue stock options that vest over a specified period (time-based vesting) and stock options that vest when the price of our common stock reaches a certain price (market-based vesting). We also issue restricted stock.

We granted options to purchase 116,500, 65,000 and 136,600 shares of our common stock in 2017, 2016 and 2015, respectively. We recorded stock-based compensation expense of \$0.4 million, \$0.6 million and \$1.0 million during 2017, 2016 and 2015, respectively, in connection with the option grants.

We estimate the grant date fair value of time-based stock option awards using the Black-Scholes option valuation model, which requires assumptions involving an estimate of the fair value of the underlying common stock on the date of grant, the expected term of the options, volatility, discount rate and dividend yield. Separate values were determined for options having exercise prices ranging from \$11.95 to \$31.33. For options valued using the Black-Scholes option valuation model, we calculated expected option terms based on the “simplified” method for “plain vanilla” options due to our limited exercise information. The “simplified method” calculates the expected term as the average of the vesting term and the original contractual term of the options. We calculated volatility using the historical daily volatilities of our common stock for a period of time reflective of the expected option term, while the discount rate was estimated using the interest rate for a treasury note with the same contractual term as the options granted. Dividend yield is estimated at our current dividend rate, which adjustments for any known future changes in the rate.

We engaged a valuation specialist to estimate the grant date fair value of market-based stock option awards. Separate values were determined for options having exercise prices ranging from \$25.24 to \$31.13.

The specialist utilizes a Monte Carlo valuation method to estimate the grant date fair value of the options granted in order to simulate a range of our possible future stock prices. Significant assumptions to the Monte Carlo method include the expected life of the option, volatility and dividend yield. The expected life of the option is based on the average of the service period and the contractual term of the option, using the “simplified” method for “plain vanilla” options. Volatility is calculated based on a mix of historical and implied volatility during the expected life of the options. Historical volatility is considered since our IPO and implied volatility is based on the publicly traded options of a three-company peer group within the paper industry. Dividend yield is estimated based on our average historical dividend yield and our current dividend yield as of the grant date. The Monte Carlo analysis is performed under a risk-neutral premise, under which price drift is modeled using Treasury note yields matching the expected life of the options.

Under U.S. GAAP, we expense the compensation cost related to the marked-based stock option awards on a straight-line basis over the derived service periods of the options as calculated under the Monte Carlo valuation method. However, if the market condition is achieved for any tranche of these options prior to the end of the derived service period, all remaining expense related to that tranche would be recognized in the period in which the market condition is achieved. Additionally, if the service period is met but the share price target required for the options to become exercisable is never achieved, no compensation cost may be reversed. As such, we may recognize expense for options that never become exercisable.

Prior to adoption of ASU 2016-09 in the first quarter of 2017, share-based compensation expense was recognized on a straight-line basis, net of estimated forfeitures. Upon adoption of ASU 2016-09, we no longer apply a forfeiture rate and instead account for forfeitures as they occur. As such, compensation cost associated with unvested share-based awards may be reversed if they are forfeited.

*Intangible Assets and Goodwill.* We allocate the cost of business acquisitions to the assets acquired and liabilities assumed based on their estimated fair values at the date of acquisition (commonly referred to as the purchase price allocation). As part of the purchase price allocations for our business acquisitions, identifiable intangible assets are recognized as assets apart from goodwill if they arise from contractual or other legal rights, or if they are capable of being separated or divided from the acquired business and sold, transferred, licensed, rented or exchanged.

The value assigned to goodwill equals the amount of the purchase price of the business acquired in excess of the sum of the amounts assigned to identifiable acquired assets, both tangible and intangible, less liabilities assumed. At December 31, 2017, we had goodwill of \$7.6 million and identifiable intangible assets, net of accumulated amortization, of \$13.6 million.

Intangible assets are amortized over their respective estimated useful lives ranging from two to twenty years. The useful life of an intangible asset is the period over which the asset is expected to contribute directly or indirectly to our future cash flows rather than the period of time that it would take us to internally develop an intangible asset that would provide similar benefits.

If no legal, regulatory, contractual, competitive, economic, or other factors limit the useful life of an intangible asset, the useful life of the asset is considered to be indefinite. The term indefinite does not mean infinite. An intangible asset with a finite useful life is amortized over that useful life; an intangible asset with an indefinite useful life is not amortized. We have no intangible assets with indefinite useful lives. Under U.S. GAAP, goodwill is not amortized.

*Impairment of Long-Lived Assets.* We review long-lived assets such as property, plant and equipment, intangible assets and goodwill for impairment whenever events or changes in circumstances indicate that the carrying amount of these assets may not be recoverable, and also review goodwill annually. U.S. GAAP requires that goodwill be tested, at a minimum, annually for each reporting unit. The first step in testing goodwill is to assess qualitative factors to determine whether it is more likely than not that goodwill is impaired. This provides a basis for determining whether it is necessary to perform the quantitative impairment test. If the first step indicates a quantitative test must be performed, the second step is to identify any potential impairment by comparing the carrying value of the reporting unit to its fair value. If a potential impairment is identified, the third step is to measure the impairment loss by comparing the implied fair value of goodwill with the carrying value of goodwill of the reporting unit. Alternatively, management may bypass the qualitative assessment in any period and proceed directly to performing the second step.

We performed our goodwill impairment test on October 1, 2017 by performing the first step, a qualitative impairment test, to determine whether it was more likely than not that goodwill was impaired. Goodwill is tested at a level of reporting referred to as the “reporting unit”. We have two reporting units, which are defined as the “at home” business and the “away from home” business. Based on this qualitative test, we determined it was more likely than not that the fair value of our reporting units was greater than their carrying amounts; and, as such, we determined that performing the second and third steps of the impairment test were not necessary and that goodwill was not impaired. In performing this qualitative assessment, we considered factors including, but not limited to, the following:

- Macroeconomic conditions, including general economic conditions, limitations on accessing capital, and other developments in equity and credit markets;
- Industry and market considerations, including any deterioration in the environment in which we operate, an increased competitive environment, a decline in market-dependent multiples or metrics, a change in the market for our products or services, and regulatory or political developments;
- Cost factors such as increases in raw materials, labor, exchange rates or other costs that have a negative effect on earnings and cash flows;
- Overall financial performance, including negative or declining cash flows or a decline in actual or planned revenue or earnings compared with actual and projected results of relevant prior periods;
- Other relevant entity-specific events, such as changes in management, key personnel, strategy, customers, or litigation; and
- Whether a sustained, material decrease in share price had occurred.

Subsequent to October 1, 2017, we did not note any additional qualitative factors that would indicate that our goodwill was impaired.

### **New Accounting Pronouncements**

Refer to the discussion of recently adopted/issued accounting pronouncements under Item 8, Financial Statements and Supplementary Data, Footnote 1 — New accounting pronouncements.

### **Non-GAAP Discussion**

In addition to our GAAP results, we also consider non-GAAP measures of our performance for a number of purposes including EBITDA, Adjusted EBITDA and Net Debt, each of which is defined below.

#### *EBITDA and Adjusted EBITDA*

We use EBITDA and Adjusted EBITDA as supplemental measures of our performance that is not required by, or presented in accordance with, GAAP. EBITDA and Adjusted EBITDA should not be considered as an alternative to net income, operating income or any other performance measure derived in accordance with GAAP, or as an alternative to cash flow from operating activities or a measure of our liquidity.

EBITDA represents net income before net interest expense, income tax expense, depreciation and amortization. Amortization of deferred debt issuance costs is included in net interest expense. Adjusted EBITDA represents EBITDA before specified items. We believe EBITDA and Adjusted EBITDA facilitate operating performance comparisons from period to period by eliminating potential differences caused by variations in capital structures (affecting relative interest expense), tax positions (such as the impact on periods or companies of changes in effective tax rates or net operating losses), the age and book depreciation of facilities and equipment (affecting relative depreciation expense), non-cash compensation and valuation (affecting stock compensation expense) and sporadic expenses (including start-up costs, failed refinancing costs, foreign exchange adjustments, and relocation).

EBITDA and Adjusted EBITDA have limitations as an analytical tool, and you should not consider it in isolation, or as a substitute for any of our results as reported under GAAP. Some of these limitations include:

- they do not reflect our cash expenditures for capital assets;
- they do not reflect changes in, or cash requirements for, our working capital requirements;
- they do not reflect cash requirements for cash dividend payments;
- they do not reflect the interest expense, or the cash requirements necessary to service interest or principal payments on our indebtedness;
- although depreciation and amortization are non-cash charges, the assets being depreciated and amortized will often have to be replaced in the future, and EBITDA and Adjusted EBITDA do not reflect cash requirements for such replacements; and
- other companies, including other companies in our industry, may calculate these measures differently than we do, limiting their usefulness as a comparative measure.

Because of these limitations, EBITDA and Adjusted EBITDA should not be considered as a measure of discretionary cash available to us to invest in the growth of our business or to reduce our indebtedness. We compensate for these limitations by relying primarily on our GAAP results and using EBITDA and Adjusted EBITDA on a supplemental basis.

The following table reconciles EBITDA and Adjusted EBITDA to net income for the years ended December 31, 2017, 2016 and 2015:

|                                                   | Year Ended December 31,               |          |          |
|---------------------------------------------------|---------------------------------------|----------|----------|
|                                                   | 2017                                  | 2016     | 2015     |
|                                                   | (In thousands, except % of net sales) |          |          |
| Net income . . . . .                              | \$ 6,674                              | \$12,811 | \$13,557 |
| Plus: interest expense, net . . . . .             | 4,980                                 | 1,678    | 521      |
| Plus: income tax expense . . . . .                | (15,501)                              | 4,411    | 6,055    |
| Plus: depreciation . . . . .                      | 13,744                                | 11,716   | 9,717    |
| Plus: intangibles amortization . . . . .          | 932                                   | 1,219    | 1,507    |
| EBITDA . . . . .                                  | \$ 10,829                             | \$31,835 | \$31,357 |
| % of net sales . . . . .                          | 6.7%                                  | 19.4%    | 18.6%    |
| Plus: stock compensation expense . . . . .        | 410                                   | 566      | 1,048    |
| Plus: relocation costs . . . . .                  | (41)                                  | 550      | 241      |
| Plus: Barnwell start-up costs . . . . .           | 3,467                                 | 67       | —        |
| Plus: foreign exchange (gain) loss . . . . .      | (53)                                  | 401      | —        |
| Plus: failed debt refinancing costs . . . . .     | 401                                   | —        | —        |
| Plus: severance from reduction in force . . . . . | 59                                    | —        | —        |
| Adjusted EBITDA . . . . .                         | \$ 15,072                             | \$33,419 | \$32,646 |
| % of net sales . . . . .                          | 9.3%                                  | 20.3%    | 19.4%    |

Adjusted EBITDA decreased \$18.3 million to \$15.1 million for the year ended December 31, 2017, compared to \$33.4 million in the same period in 2016. Adjusted EBITDA as a percent of net sales decreased from 20.3% in 2016 to 9.3% in 2017. EBITDA decreased \$21.0 million to \$10.8 million for the year ended December 31, 2017, compared to \$31.8 million in the same period in 2016. EBITDA as a percent of net sales decreased from 19.4% in 2016 to 6.7% in 2017. The foregoing factors discussed in the net sales, cost of sales, and selling, general and administrative expenses sections are the reasons for the change.

Adjusted EBITDA increased \$0.8 million to \$33.4 million for the year ended December 31, 2016, compared to \$32.6 million in the same period in 2015. Adjusted EBITDA as a percent of net sales increased from 19.4% in 2015 to 20.3% in 2016. EBITDA increased \$0.4 million to \$31.8 million for the year ended December 31, 2016, compared to \$31.4 million in the same period in 2015. EBITDA as a percent of net sales increased from 18.6% in 2015 to 19.4% in 2016. The foregoing factors discussed in the net sales, cost of sales, and selling, general and administrative expenses sections are the reasons for the change.

### *Net Debt*

We use Net Debt as a supplemental measure of our leverage that is not required by, or presented in accordance with, GAAP. Net Debt should not be considered as an alternative to total debt, total liabilities or any other performance measure derived in accordance with GAAP. Net Debt represents total debt reduced by cash. We use this figure as a means to evaluate our ability to repay our indebtedness and to measure the risk of our financial structure.

Net Debt represents our total Debt less the amount of any Cash balances. The amounts included in the Net Debt calculation are derived from amounts included in the historical balance sheets. We report Net Debt because we regularly review Net Debt as a measure of our leverage. However, the Net Debt measure presented in this document may not be comparable to similarly titled measures reported by other companies due to differences in the components of the calculation.

Net Debt increased from \$133.2 million on December 31, 2016 to \$167.0 million on December 31, 2017, primarily as a result of an increase in total debt due to additional borrowings to fund capital expenditures in 2017. The following table presents Net Debt as of December 31, 2017 and 2016:

|                                             | <u>2017</u>      | <u>2016</u>      |
|---------------------------------------------|------------------|------------------|
| <b>Net Debt Reconciliation:</b>             |                  |                  |
| Current portion of long-term debt . . . . . | \$170,768        | \$ 6,728         |
| Long-term debt . . . . .                    | 33               | 135,238          |
| Total debt . . . . .                        | 170,801          | 141,966          |
| Less cash . . . . .                         | (3,823)          | (8,750)          |
| Net debt . . . . .                          | <u>\$166,978</u> | <u>\$133,216</u> |

### **SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS**

This Form 10-K, including the sections entitled “Business,” “Risk Factors” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” contains forward-looking statements. These statements relate to, among other things:

- our business strategy;
- the market opportunity for our products, including expected demand for our products;
- our estimates regarding our capital requirements;
- our sales and earnings; and
- any of our other plans, objectives, expectations and intentions contained in this Form 10-K that are not historical facts.

These statements relate to future events or future financial performance, and involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievement to be materially different from any future results, levels of activity, performance or achievements expressed or implied by such forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as “may,” “should,” “could,” “expects,” “plans,” “intends,” “anticipates,” “believes,” “estimates,” “predicts,” “potential,” “will” or “continue” or the negative of such terms or other comparable terminology. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance or achievements. These statements are only predictions.

You should not place undue reliance on forward-looking statements because they involve known and unknown risks, uncertainties, and other factors that are, in some cases, beyond our control and that could materially affect actual results, levels of activity, performance or achievements. Factors that could materially affect our actual results, levels of activity, performance or achievements include, but are not limited to, those detailed under the caption “Risk Factors” and the following items:

- ability to meet loan covenant conditions or renegotiate such conditions with lenders;
- intense competition in our markets and aggressive pricing by our competitors could force us to decrease our prices and reduce our profitability;
- a substantial percentage of our converted product revenues are attributable to a small number of customers who may decrease or cease purchases at any time;
- disruption in our supply or increase in the cost of fiber;
- Fabrica’s failure to execute under the Supply Agreement;
- the additional indebtedness incurred to finance the construction of our South Carolina facility;
- new competitors entering the market and increased competition in our region;
- changes in our retail trade customers’ policies and increased dependence on key retailers in developed markets;
- excess supply in the market may reduce our prices;
- the availability of, and prices for, energy;
- failure to purchase the contracted quantity of natural gas may result in financial exposure;
- our exposure to variable interest rates;
- the loss of key personnel;
- labor interruption;
- natural disaster or other disruption to our facilities;
- ability to finance the capital requirements of our business;
- cost to comply with existing and new laws and regulations;
- failure to maintain an effective system of internal controls necessary to accurately report our financial results and prevent fraud;
- the parent roll market is a commodity market and subject to fluctuations in demand and pricing;
- indebtedness limits our free cash flow and subjects us to restrictive covenants relating to the operation of our business;
- failure to perform as projected in our financial forecasts;
- an inability to continue to implement our business strategies; and
- inability to sell the capacity generated from our converting lines.

**You should read this Form 10-K completely and with the understanding that our actual results may be materially different from what we expect. We undertake no duty to update these forward-looking statements after the date of this Form 10-K, even though our situation may change in the future. We qualify all of our forward-looking statements by these cautionary statements.**

## **Item 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK**

### ***Interest Rate Risk***

Our market risks relate primarily to changes in interest rates. Our revolving line of credit and most of our term loans carry a variable interest rate that is tied to market indices and, therefore, our statement of income and our cash flows will be exposed to changes in interest rates. As of December 31, 2017, we had floating-rate borrowings of \$160.7 million. The amounts outstanding under all variable rate loans bear interest at a variable rate of LIBOR or the base rate plus a specified margin or 7.4% to 7.6% as of December 31, 2017. The margin is set quarterly and is based on our Leverage Ratio. As of December 31, 2017, we also had fixed-rate borrowings of \$10.0 million at 4.4%, resulting in a weighted average interest rate of 7.3%.

We considered the historical volatility of short-term interest rates and determined that it would be reasonably possible that an adverse change of 100 basis points could be experienced in the near term. Based on current borrowing levels and interest rate structures, a 100 basis point increase in interest rates would result in a pre-tax \$1.6 million increase to our annual interest expense. We attempt to mitigate interest rate risk by refinancing our debt at lower interest rates when it is deemed cost-effective to do so.

### ***Commodity Price Risk***

We are subject to commodity price risk, the most significant of which relates to the price of fiber. Selling prices of tissue products are influenced by the market price of fiber, which is determined by industry supply and demand. The effect of a fiber price increase of \$10.00 per ton would be approximately \$1.0 million per year. As previously discussed under Item 1A, “Risk Factors,” increases in fiber prices could adversely affect earnings if selling prices are not adjusted or if such adjustments trail the increase in fiber prices. We attempt to mitigate commodity price risk by entering into supply agreements that provide discounts to current market prices.

### ***Natural Gas Price Risk***

We are exposed to market risks for changes in natural gas commodity pricing. We partially mitigate this risk through natural gas fixed-price contracts that extend through December 2019 for approximately 80% of our natural gas requirements at our Pryor facility and natural gas fixed-price contracts that extend through September 2019 for approximately 70% of our natural gas requirements at our Barnwell facility. The effect of a \$1.00/MMBTU increase on the estimated natural gas demands of fully-operational Pryor and Barnwell facilities would be approximately \$0.2 million per year.

**Item 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA**

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## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Stockholders and Board of Directors  
Orchids Paper Products Company

### Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Orchids Paper Products Company and its subsidiaries (the Company) as of December 31, 2017 and 2016, and the related consolidated statements of income, changes in stockholders' equity and cash flows for each of the three years in the period ended December 31, 2017, the related notes to the consolidated financial statements and schedule (collectively, the financial statements). In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2017 and 2016, and the results of its operations and its cash flows for each of the years in the three years in the period ended December 31, 2017 in conformity with accounting principles generally accepted in the United States of America.

We have also 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, 2017, based on criteria established in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission in 2013, and our report dated March 16, 2018, expressed an unqualified opinion on the effectiveness of the Company's internal control over financial reporting.

### Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's 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 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 audits to obtain reasonable assurance about whether the 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 financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the 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 financial statements. We believe that our audits provide a reasonable basis for our opinion.

### Emphasis of Matter

As discussed in Note 1 to the consolidated financial statements, the Company intends to refinance its existing long-term debt obligations as required by its existing lender. The Company may also need to seek another amendment of its Credit Agreement with its existing lenders. If the Company is unable to obtain another suitable amendment and/or a refinancing is not completed, the bank syndicate could declare a default. Management's plans in regard to this matter are described in Note 1.

/s/ HOGANTAYLOR LLP

We have served as Orchids Paper Products Company's auditor since 2001.

Tulsa, Oklahoma  
March 16, 2018

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**

**CONSOLIDATED BALANCE SHEETS**

(In thousands, except share data)

|                                                                                                                                                      | As of December 31, |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|
|                                                                                                                                                      | 2017               | 2016             |
| <b>ASSETS</b>                                                                                                                                        |                    |                  |
| Current assets:                                                                                                                                      |                    |                  |
| Cash                                                                                                                                                 | \$ 3,823           | \$ 8,750         |
| Accounts receivable, net of allowance of \$353 and \$30 in 2017 and 2016, respectively                                                               | 11,825             | 8,954            |
| Receivables from related party                                                                                                                       | 1,042              | 491              |
| Inventories, net                                                                                                                                     | 20,563             | 18,414           |
| Income taxes receivable                                                                                                                              | 499                | 8,735            |
| Prepaid expenses                                                                                                                                     | 957                | 925              |
| Other current assets                                                                                                                                 | 684                | 868              |
| Total current assets                                                                                                                                 | 39,393             | 47,137           |
| Property, plant and equipment (including from consolidated VIE \$17,415 and \$16,237 in 2017 and 2016, respectively)                                 | 370,761            | 320,442          |
| Accumulated depreciation                                                                                                                             | (85,003)           | (71,258)         |
| Net property, plant and equipment                                                                                                                    | 285,758            | 249,184          |
| Restricted cash (from consolidated VIE)                                                                                                              | 3                  | 1,276            |
| VAT receivable                                                                                                                                       | 242                | 212              |
| Intangible assets, net of accumulated amortization of \$4,411 and \$3,479 in 2017 and 2016, respectively                                             | 13,579             | 14,511           |
| Goodwill                                                                                                                                             | 7,560              | 7,560            |
| Total assets                                                                                                                                         | <u>\$346,535</u>   | <u>\$319,880</u> |
| <b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>                                                                                                          |                    |                  |
| Current liabilities:                                                                                                                                 |                    |                  |
| Accounts payable                                                                                                                                     | \$ 12,068          | \$ 7,739         |
| Accounts payable to related party                                                                                                                    | 3,390              | 3,130            |
| Accrued liabilities                                                                                                                                  | 3,202              | 2,545            |
| Short-term notes payable                                                                                                                             | 317                | —                |
| Current portion of long-term debt (Note 7)                                                                                                           | 168,903            | 6,728            |
| Total current liabilities                                                                                                                            | 187,880            | 20,142           |
| Long-term debt including capital leases, less current portion (Note 7)                                                                               | 33                 | 133,989          |
| Other long-term liabilities (from consolidated VIE)                                                                                                  | 5,240              | 5,170            |
| Deferred income taxes                                                                                                                                | 11,595             | 27,334           |
| Commitment and contingencies (Note 4)                                                                                                                |                    |                  |
| Stockholders' equity:                                                                                                                                |                    |                  |
| Common stock, \$.001 par value, 25,000,000 shares authorized, 10,670,348 and 10,296,891 shares issued and outstanding in 2017 and 2016, respectively | 11                 | 10               |
| Additional paid-in capital                                                                                                                           | 104,359            | 98,885           |
| Retained earnings                                                                                                                                    | 37,417             | 34,350           |
| Total stockholders' equity                                                                                                                           | 141,787            | 133,245          |
| Total liabilities and stockholders' equity                                                                                                           | <u>\$346,535</u>   | <u>\$319,880</u> |

See notes to consolidated financial statements.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**

**CONSOLIDATED STATEMENTS OF INCOME**

**Years ended December 31, 2017, 2016 and 2015**

**(In thousands, except share and per share data)**

|                                                                                 | <u>2017</u>     | <u>2016</u>      | <u>2015</u>      |
|---------------------------------------------------------------------------------|-----------------|------------------|------------------|
| Net sales . . . . .                                                             | \$ 162,484      | \$ 164,494       | \$ 168,446       |
| Cost of sales . . . . .                                                         | 153,758         | 134,345          | 137,949          |
| Gross profit . . . . .                                                          | <u>8,726</u>    | <u>30,149</u>    | <u>30,497</u>    |
| Selling, general and administrative expenses . . . . .                          | 11,711          | 10,244           | 9,540            |
| Intangibles amortization . . . . .                                              | <u>932</u>      | <u>1,219</u>     | <u>1,507</u>     |
| Operating (loss) income . . . . .                                               | <u>(3,917)</u>  | <u>18,686</u>    | <u>19,450</u>    |
| Interest expense . . . . .                                                      | 4,980           | 1,678            | 521              |
| Other income, net . . . . .                                                     | <u>(70)</u>     | <u>(214)</u>     | <u>(683)</u>     |
| (Loss) income before income taxes . . . . .                                     | <u>(8,827)</u>  | <u>17,222</u>    | <u>19,612</u>    |
| Provision for (benefit from) income taxes:                                      |                 |                  |                  |
| Current . . . . .                                                               | (32,868)        | (3,159)          | 1,820            |
| Deferred . . . . .                                                              | <u>17,367</u>   | <u>7,570</u>     | <u>4,235</u>     |
|                                                                                 | <u>(15,501)</u> | <u>4,411</u>     | <u>6,055</u>     |
| Net income . . . . .                                                            | <u>\$ 6,674</u> | <u>\$ 12,811</u> | <u>\$ 13,557</u> |
| Net income per common share:                                                    |                 |                  |                  |
| Basic . . . . .                                                                 | \$ 0.64         | \$ 1.25          | \$ 1.39          |
| Diluted . . . . .                                                               | \$ 0.64         | \$ 1.24          | \$ 1.38          |
| Weighted average common shares used in calculating net income per common share: |                 |                  |                  |
| Basic . . . . .                                                                 | 10,399,074      | 10,286,373       | 9,778,167        |
| Diluted . . . . .                                                               | 10,414,871      | 10,349,274       | 9,844,221        |
| Cash dividends declared per share . . . . .                                     | \$ 0.35         | \$ 1.40          | \$ 1.40          |

See notes to consolidated financial statements.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**

**CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY**

**Years ended December 31, 2015, 2016 and 2017**

**(In thousands, except share data)**

|                                                          | Common Stock      |             | Additional<br>Paid-in<br>Capital | Retained<br>Earnings | Total            |
|----------------------------------------------------------|-------------------|-------------|----------------------------------|----------------------|------------------|
|                                                          | Shares            | Value       |                                  |                      |                  |
| <b>Balance at December 31, 2014</b> . . . . .            | 8,757,975         | \$ 9        | \$ 64,275                        | \$ 36,229            | \$100,513        |
| Stock based compensation . . . . .                       | (334)             | —           | 1,048                            | —                    | 1,048            |
| Stock options exercised . . . . .                        | 11,250            | —           | 210                              | —                    | 210              |
| Net proceeds from follow-on stock offering . . . . .     | 1,500,000         | 1           | 32,118                           | —                    | 32,119           |
| Land donation . . . . .                                  | —                 | —           | 189                              | —                    | 189              |
| Cash dividends declared, \$1.40 per share . . . . .      | —                 | —           | —                                | (13,847)             | (13,847)         |
| Net income . . . . .                                     | —                 | —           | —                                | 13,557               | 13,557           |
| Excess tax benefit of stock options exercised . . . . .  | —                 | —           | (6)                              | —                    | (6)              |
| <b>Balance at December 31, 2015</b> . . . . .            | 10,268,891        | \$10        | \$ 97,834                        | \$ 35,939            | \$133,783        |
| Stock based compensation . . . . .                       | —                 | —           | 566                              | —                    | 566              |
| Stock options exercised . . . . .                        | 28,000            | —           | 314                              | —                    | 314              |
| Cash dividends declared, \$1.40 per share . . . . .      | —                 | —           | —                                | (14,400)             | (14,400)         |
| Net income . . . . .                                     | —                 | —           | —                                | 12,811               | 12,811           |
| Excess tax benefit of stock options exercised . . . . .  | —                 | —           | 171                              | —                    | 171              |
| <b>Balance at December 31, 2016</b> . . . . .            | 10,296,891        | \$10        | \$ 98,885                        | \$ 34,350            | \$133,245        |
| Stock based compensation . . . . .                       | —                 | —           | 410                              | —                    | 410              |
| Stock options exercised . . . . .                        | 13,500            | —           | 134                              | —                    | 134              |
| Net proceeds from at-the-market stock offering . . . . . | 359,957           | 1           | 4,965                            | —                    | 4,966            |
| Cash dividends declared, \$0.35 per share . . . . .      | —                 | —           | —                                | (3,607)              | (3,607)          |
| Net income . . . . .                                     | —                 | —           | —                                | 6,674                | 6,674            |
| Other . . . . .                                          | —                 | —           | (35)                             | —                    | (35)             |
| <b>Balance at December 31, 2017</b> . . . . .            | <u>10,670,348</u> | <u>\$11</u> | <u>\$104,359</u>                 | <u>\$ 37,417</u>     | <u>\$141,787</u> |

See notes to consolidated financial statements.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**

**CONSOLIDATED STATEMENTS OF CASH FLOWS**

**Years ended December 31, 2017, 2016 and 2015**

**(In thousands)**

|                                                                                   | <u>2017</u>       | <u>2016</u>     | <u>2015</u>     |
|-----------------------------------------------------------------------------------|-------------------|-----------------|-----------------|
| <b>Cash Flows From Operating Activities</b>                                       |                   |                 |                 |
| Net income . . . . .                                                              | \$ 6,674          | \$ 12,811       | \$ 13,557       |
| Adjustments to reconcile net income to net cash provided by operating activities: |                   |                 |                 |
| Depreciation and amortization . . . . .                                           | 15,219            | 13,229          | 11,420          |
| Provision for doubtful accounts . . . . .                                         | 323               | (125)           | —               |
| Deferred income taxes . . . . .                                                   | (15,739)          | 7,570           | 4,235           |
| Stock compensation expense . . . . .                                              | 410               | 566             | 1,048           |
| Loss on disposal of property, plant and equipment . . . . .                       | 52                | 17              | —               |
| Changes in cash due to changes in operating assets and liabilities:               |                   |                 |                 |
| Accounts receivable, including amounts due from related party . . . . .           | (3,745)           | 2,514           | (1,640)         |
| Inventories . . . . .                                                             | (2,149)           | (4,913)         | (3,852)         |
| Income taxes receivable . . . . .                                                 | 8,236             | (3,107)         | (4,994)         |
| Prepaid expenses . . . . .                                                        | (32)              | 211             | 149             |
| Other assets . . . . .                                                            | 154               | 2,237           | (972)           |
| Accounts payable, including amounts due to related party . . . . .                | 3,388             | (973)           | (293)           |
| Accrued liabilities . . . . .                                                     | 655               | (2,210)         | 133             |
| Net cash provided by operating activities . . . . .                               | <u>13,446</u>     | <u>27,827</u>   | <u>18,791</u>   |
| <b>Cash Flows From Investing Activities</b>                                       |                   |                 |                 |
| Purchases of property, plant and equipment . . . . .                              | (49,188)          | (88,862)        | (63,184)        |
| Proceeds from insurance settlement related to capital investment . . . . .        | 51                | 420             | —               |
| Proceeds from sale of property, plant and equipment . . . . .                     | —                 | 34              | —               |
| Decrease (increase) in restricted cash . . . . .                                  | <u>1,273</u>      | <u>10,729</u>   | <u>(12,005)</u> |
| Net cash used in investing activities . . . . .                                   | <u>(47,864)</u>   | <u>(77,679)</u> | <u>(75,189)</u> |
| <b>Cash Flows From Financing Activities</b>                                       |                   |                 |                 |
| Proceeds from economic incentive . . . . .                                        | —                 | 1,900           | —               |
| Net proceeds under New Market Tax Credit financing . . . . .                      | —                 | —               | 5,098           |
| Borrowings under long-term debt . . . . .                                         | —                 | —               | 31,109          |
| Principal payments on long-term debt . . . . .                                    | (4,558)           | (3,882)         | (2,700)         |
| Net borrowings (payments) on revolving credit line . . . . .                      | 397               | 16,447          | (7,712)         |
| Borrowings on delayed draw . . . . .                                              | 36,158            | 53,820          | 18,522          |
| Payments on delayed draw term loan . . . . .                                      | (3,195)           | —               | —               |
| Borrowings on short-term notes . . . . .                                          | 857               | —               | —               |
| Payments on short-term notes . . . . .                                            | (540)             | —               | —               |
| Net proceeds from follow-on stock offering . . . . .                              | (35)              | —               | 32,119          |
| Net proceeds from at-the-market stock offering . . . . .                          | 4,966             | —               | —               |
| Overdrafts . . . . .                                                              | —                 | —               | (1,706)         |
| Dividends paid to stockholders . . . . .                                          | (3,607)           | (14,400)        | (13,847)        |
| Proceeds from the exercise of stock options . . . . .                             | 134               | 314             | 210             |
| Excess tax benefit of stock options exercised . . . . .                           | —                 | 171             | (6)             |
| Deferred debt issuance costs . . . . .                                            | <u>(1,086)</u>    | <u>(129)</u>    | <u>(1,349)</u>  |
| Net cash provided by financing activities . . . . .                               | <u>29,491</u>     | <u>54,241</u>   | <u>59,738</u>   |
| Net increase (decrease) in cash . . . . .                                         | (4,927)           | 4,389           | 3,340           |
| Cash, beginning . . . . .                                                         | 8,750             | 4,361           | 1,021           |
| Cash, ending . . . . .                                                            | <u>\$ 3,823</u>   | <u>\$ 8,750</u> | <u>\$ 4,361</u> |
| <b>Supplemental Disclosure:</b>                                                   |                   |                 |                 |
| Interest paid . . . . .                                                           | <u>\$ 7,850</u>   | <u>\$ 2,907</u> | <u>\$ 720</u>   |
| Income taxes (refunded) paid, net . . . . .                                       | <u>\$ (8,240)</u> | <u>\$ 13</u>    | <u>\$ 6,722</u> |
| Tax benefits realized from stock options exercised . . . . .                      | <u>\$ 59</u>      | <u>\$ 211</u>   | <u>\$ 23</u>    |
| Capital expenditures invoiced but not yet paid . . . . .                          | <u>\$ 1,469</u>   | <u>\$ 744</u>   | <u>\$ —</u>     |
| Capital lease assets . . . . .                                                    | <u>\$ 34</u>      | <u>\$ —</u>     | <u>\$ —</u>     |
| Value of donated land . . . . .                                                   | <u>\$ —</u>       | <u>\$ —</u>     | <u>\$ 189</u>   |

See notes to consolidated financial statements.

## ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES

### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

December 31, 2017, 2016 and 2015

#### Note 1 — Nature of Business and Summary of Significant Accounting Policies

##### Business

Orchids Paper Products Company and its subsidiaries (collectively, “Orchids” or the “Company”) produce bulk tissue paper, known as parent rolls, and convert parent rolls into finished products, including paper towels, bathroom tissue and paper napkins. The Company predominately sells its products for use in the “at home” market under private labels to a customer base consisting primarily of dollar stores, discount retailers and grocery stores that offer limited alternatives across a wide range of products, and, to a lesser extent, the “away from home” market. The Company has owned and operated its manufacturing facility in Pryor, Oklahoma since 1998. On June 3, 2014, the Company completed the acquisition of certain assets from Fabrica de Papel San Francisco, S.A. de C.V. (“Fabrica”) pursuant to an Asset Purchase Agreement (see Note 2). In connection with the acquisition of these assets, the Company formed three wholly owned subsidiaries: Orchids Mexico DE Holdings, LLC, Orchids Mexico DE Member, LLC, and OPP Acquisition Mexico, S. de R.L. de C.V. (“Orchids Mexico”). In April 2015, the Company announced the construction of a new manufacturing facility in Barnwell, South Carolina. In conjunction with this project, the Company established a wholly owned subsidiary: Orchids Paper Products Company of South Carolina. Furthermore, in connection with a New Market Tax Credit (“NMTC”) transaction in December 2015 (see Note 13), the Company created Orchids Lessor SC, LLC, another wholly owned subsidiary.

The Company’s stock trades on the NYSE American stock exchange under the ticker symbol “TIS.”

##### Management Plans

In assessing the Company’s liquidity, management reviews its cash and its operating and capital expenditure commitments. The Company’s liquidity needs are to meet its working capital requirements, operating expenses and capital expenditure obligations. As of December 31, 2017, the Company’s current liabilities exceeded the current assets by approximately \$148.5 million as \$158.0 million of long-term debt, net of debt issuance costs, with stated maturities beyond 12 months was included in current liabilities due to uncertainty regarding the Company’s ability to meet existing debt covenants over the next twelve-month period.

At December 31, 2017, the Company was not in compliance with certain financial covenants under its Second Amended and Restated Credit Agreement (the “Credit Agreement”) with U.S. Bank National Association (“U.S. Bank”) or its Loan Agreement for New Markets Tax Credit financing (the “NMTC Loan Agreement”), and obtained a waiver from its lenders. On February 28, 2018, the Company entered into Amendment No. 7 to the Credit Agreement and on March 1, 2018 the Company entered into Amendment No. 4 to the NMTC Loan Agreement, each of which, in addition to providing waivers for covenant defaults until the measurement date of June 30, 2018, provides for a minimum EBITDA covenant, amends the pricing schedule, and amends certain reporting requirements. Including the amendments incorporated into these waivers, the Company’s credit facilities have been amended for each of the last five quarters. The related covenant requirements are discussed in Note 7.

The Company sought to refinance its existing long-term debt in 2017, but did not procure an alternative acceptable to all parties involved. The Company intends to continue to seek to refinance its existing long-term debt obligations as required by its existing lender and as earnings and cash flow improve and more opportunities become available. The Company may also need to seek another amendment of its Credit Agreement with its existing lenders. If the Company is unable to obtain another suitable amendment and/or a refinancing is not completed, the bank syndicate could declare a default. There can be no assurance that the Company’s lenders will agree to further waivers or amendments to the existing debt covenants. While management intends to amend or refinance the debt, there can be no assurance that the Company will be able to obtain additional financing on terms that are satisfactory to it, or at all.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 1 — Nature of Business and Summary of Significant Accounting Policies (Continued)**

Management is evaluating all options to refinance its existing long-term debt obligations as well as exploring alternative financing, refinancing, restructuring and capital-raising activities, in order to address its ongoing liquidity needs and to maintain sufficient access to the loan and capital markets on commercially acceptable terms to finance its business. In support of these efforts, management is pursuing various initiatives including, but not limited to, the following:

- *At the market:* The Company has access to its “at the market” stock offering program (“ATM Program”), with a remaining capacity of \$34.7 million as of December 31, 2017. Management intends to use proceeds generated under the ATM Program for general corporate purposes, including repayment of debt; capital expenditures, or other working capital requirements;
- *Cash management:* An attentive and strategic focus on cash flow has been implemented. A weekly cash flow forecast is produced that analyzes cash flow activities as well as anticipated cash flow. Also, the Company is focused on optimizing working capital management;
- *Operating results:* Management is committed to focusing on operating results, which is expected to improve operating cash flows and bring the Company’s financial performance back in line with historical operating results. The Company expects to see continued improvement in cash flow throughout 2018 as the increase in orders from new customers improve earnings. As production at Barnwell increases, sales growth is expected to continue to increase and margins to expand as a result of operating leverage;
- *Capital spending:* With the completion of the Company’s capital expansion plans, management expects to significantly decrease capital expenditures in 2018;
- *Strategic options:* An investment banker is being engaged to investigate all strategic options, including the disposal of assets; and
- *Debt refinancing:* Continued undertakings to partially or completely refinance the debt.

***Summary of Significant Accounting Policies***

*Principles of consolidation*

The accompanying consolidated financial statements include the accounts of Orchids Paper Products Company, its wholly owned subsidiaries, as described above, and variable interest entities for which Orchids is the primary beneficiary. All significant intercompany transactions and balances have been eliminated in consolidation.

*Cash*

Cash includes cash on hand and cash in banks that management expects to utilize for operational activities.

*Accounts receivable*

Accounts receivable are carried at original invoice amount less an estimate made for doubtful receivables based on a review of all outstanding amounts. A trade receivable is considered to be past due if it is outstanding for more than five days past terms. Management determines the allowance for doubtful accounts by regularly evaluating individual customer receivables and considering a customer’s financial condition, credit history, and current economic conditions. Receivables are written-off when deemed uncollectible. Recoveries of receivables previously written-off are recorded when received. The Company does not typically charge interest on trade receivables.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 1 — Nature of Business and Summary of Significant Accounting Policies (Continued)**

*Inventories*

Inventories consist of converted finished goods, bulk paper rolls and raw materials stated at the lower of cost or net realizable value. The Company's cost is based on standard cost, specific identification, or FIFO (first-in, first-out) method. Standard costs approximate actual costs on a FIFO basis. Material, labor, and factory overhead necessary to produce the inventories are included in the standard cost to the extent such input costs do not result in values in excess of net realizable value.

*Property, plant and equipment*

Property, plant and equipment are stated at cost. Depreciation of property, plant and equipment is computed using the straight-line method over the estimated useful lives of the assets. The Company expenses normal maintenance and repair costs as incurred. Spare parts that are maintained to keep the Company's machinery and equipment in working order are capitalized and expensed when used rather than depreciated. Gain and loss on disposal of property, plant and equipment is recognized in the period incurred. The Company capitalizes interest for major capital projects. Capitalized interest is added to the cost of the underlying assets and is depreciated over the useful lives of those assets.

*Goodwill, intangible assets and long-lived assets*

The Company records the excess of purchase price over the fair value of the tangible and identifiable intangible assets acquired and liabilities assumed as goodwill. Goodwill is tested for impairment annually as well as when an event, or change in circumstances, indicates that the carrying value may not be recoverable.

Under accounting principles generally accepted in the United States ("U.S. GAAP"), the Company may first assess qualitative factors to determine whether the existence of events or circumstances leads to a determination that it is more likely than not that the fair value of its reporting unit is greater than its carrying amount. If, after assessing the totality of events or circumstances, the Company determines it is more likely than not that the fair value of a reporting unit is greater than its carrying amount, there is no need to perform any further testing. However, if the Company concludes otherwise, it is required to perform the first step of a two-step impairment test by calculating the fair value of the reporting unit and comparing the fair value with the carrying amount of the reporting unit. If the fair value of the reporting unit is less than its carrying value, it is required to perform the second step of the two-step impairment test, in which an impairment loss is calculated and recorded to the extent that the implied fair value of the goodwill of the reporting unit is less than its carrying value. Alternatively, the Company may bypass the qualitative assessment in any period and proceed directly to performing the first step of the two-step goodwill impairment test.

The Company performed its annual goodwill impairment test on October 1, 2017 by performing the first step (e.g. "step zero"), a qualitative impairment test, to determine whether it was more likely than not that goodwill was impaired. Goodwill is tested at a level of reporting referred to as the "reporting unit". The Company has two reporting units, which are defined as the "at home" business and the "away from home" business. Based on this qualitative test, we determined it was more likely than not that the fair value of the Company's reporting units were greater than their carrying amounts; as such, we determined that performing the second and third steps of the impairment test were not necessary and that goodwill was not impaired.

Intangible assets consist of the Supply Agreement and Equipment Lease Agreements with Fabrica (see Note 2), licenses, trademarks, customer relationships and a non-compete agreement. The Company amortizes these assets on a straight-line basis over the expected lives of the assets, which range from 2 to 20 years.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 1 — Nature of Business and Summary of Significant Accounting Policies (Continued)**

The Company reviews its long-lived assets, primarily property, plant and equipment and intangible assets, for impairment whenever events or changes in circumstances indicate that the carrying values may not be recoverable. Impairment evaluation is based on estimates of remaining useful lives and the current and expected future profitability and cash flows. The determination of future profitability and cash flows require significant estimates to be made by the Company's management. The Company had no impairment of long-lived assets during the years ended December 31, 2017, 2016 or 2015.

*Income taxes*

Income taxes are computed in accordance with the tax rules and regulations of the taxing authorities where the income is earned. Deferred income taxes are computed using the liability method and are provided on all temporary differences between the financial basis and the tax basis of the Company's assets and liabilities. Future tax benefits are recognized to the extent that realization of those benefits is considered to be more likely than not. A valuation allowance is provided for deferred tax assets for which realization is not likely. The Company uses the flow through method to account for Oklahoma and South Carolina investment tax credits earned on eligible capital expenditures in the respective states. Under this method, the investment tax credits are recognized as a reduction to income tax expense when earned.

*Deferred debt issuance costs*

Costs incurred in obtaining debt funding are deferred and amortized on an effective interest method over the terms of the loans. Amortization expense for 2017, 2016 and 2015 was \$0.5 million, \$0.3 million, and \$0.2 million, respectively, and has been classified as interest expense in the statement of income.

*Stock compensation expense*

Grant-date cost of stock options and restricted stock are recognized on a straight-line basis over the requisite service periods of the respective options and shares, based on the fair value of the award on the grant date. The fair value of stock options that have time-based vesting requirements is estimated using the Black-Scholes option-pricing model. The fair value of stock options that have market-based vesting requirements is estimated using a Monte-Carlo option-pricing model. The fair value of restricted stock awards is calculated as the arithmetic mean of the high and low market price of the Company's stock on the grant date.

In March 2016, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update No. 2016-09, Compensation — Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting ("ASU 2016-09"), which changed the accounting for certain aspects of share-based payment to employees. ASU 2016-09 became effective for the Company on January 1, 2017. The primary impact of adoption was the recognition of excess tax benefits in the provision for income taxes rather than paid-in capital beginning in the first quarter of 2017. Upon adoption of this standard, excess tax benefits were classified along with other income tax cash flows as an operating activity on the statement of cash flows. The Company elected to adopt this portion of the standard on a prospective basis beginning in 2017; therefore, prior periods have not been adjusted. Under the standard, cash flows related to employee taxes paid for withheld shares are presented as a financing activity on the statement of cash flows on a retrospective basis. ASU 2016-09 provides an accounting policy election to account for forfeitures as they occur, and the Company opted for this election.

Prior to the adoption of ASU 2016-09, excess tax benefits related to share-based compensation that were available to absorb future tax deficiencies related to share-based compensation were recorded in additional paid-in capital ("APIC pool") when realized. If the amount of tax deficiencies was greater than the available APIC pool, the excess was recorded as current income tax expense in the statement of income.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 1 — Nature of Business and Summary of Significant Accounting Policies (Continued)**

*Revenue recognition*

Revenues for products loaded on customer trailers are recognized when the customer has accepted custody and left the Company's dock. Revenues for products shipped to customers are recognized when title passes upon shipment. Customer discounts and pricing allowances are included in net sales.

*Shipping and handling costs*

Shipping and handling costs incurred to ship raw materials to the Company's facilities are included in inventory and cost of sales in the statement of income. Shipping and handling costs incurred to ship finished goods to customer locations and warehouse locations are included in cost of sales in the statement of income.

*Business interruption insurance*

In 2016, the Company received \$1.1 million of proceeds under a business interruption insurance policy for an incident that occurred in its Oklahoma converting operation in 2015. This amount is recorded as a reduction of cost of sales in the statement of income.

*Advertising costs*

Advertising costs, which include costs related to artwork and packaging development, totaled approximately \$0.5 million, \$0.4 million, and \$0.3 million, respectively, for the years ended December 31, 2017, 2016 and 2015. These costs are expensed when incurred and included in selling, general and administrative expenses.

*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 amounts reported in the financial statements and accompanying notes. Actual results could differ significantly from those estimates.

*Reclassifications*

Certain immaterial prior period amounts in the accompanying financial statements have been reclassified to conform to the current period presentation. These reclassifications did not affect previously reported amounts of net income.

*New and recently adopted accounting pronouncements*

In March 2016, the FASB issued ASU No. 2016-09, *Compensation — Stock Compensation* (Topic 718): *Improvements to Employee Share-Based Payment Accounting* ("ASU 2016-09"). ASU 2016-09 requires, among other things, that excess tax benefits and tax deficiencies be recognized as income tax expense or benefit in the statement of operations rather than as additional paid-in capital, changes the classification of excess tax benefits from a financing activity to an operating activity in the statement of cash flows, and allows forfeitures to be accounted for when they occur rather than estimated. ASU 2016-09 became effective for the Company on January 1, 2017. Adoption of ASU 2016-09 did not have a material impact on the Company's financial position, results of operations and cash flows.

In July 2015, the FASB issued ASU No. 2015-11, *Inventory* (Topic 330): *Simplifying the Measurement of Inventory* ("ASU 2015-11"). ASU 2015-11 requires inventory measured using all methods other than the last-in, first-out (LIFO) or retail methods to be measured at the lower of cost or net realizable value. Net

## ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES

### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued) December 31, 2017, 2016 and 2015

#### Note 1 — Nature of Business and Summary of Significant Accounting Policies (Continued)

realizable value is defined as the estimated selling price in the ordinary course of business less reasonably predictable costs of completion, disposal and transportation. ASU 2015-11 became effective for the Company on January 1, 2017. Adoption of ASU 2015-11 did not have a material impact on the Company's financial position, results of operations and cash flows.

In May 2017, the FASB issued ASU No. 2017-09, *Compensation — Stock Compensation* (Topic 718): *Scope of Modification Accounting* ("ASU 2017-09"). ASU 2017-09 provides guidance about which changes to the terms or conditions of a share-based payment award require an entity to apply modification accounting. ASU 2017-09 is effective for interim and annual periods beginning after December 15, 2017, with early adoption permitted. ASU 2017-09 is not expected to have a material impact on the Company's financial statements.

In January 2017, the FASB issued ASU No. 2017-04, *Intangibles-Goodwill and Other* (Topic 350): *Simplifying the Test for Goodwill Impairment* ("ASU 2017-04"). ASU 2017-04 provides for a one-step quantitative impairment test, whereby a goodwill impairment loss will be measured as the excess of a reporting unit's carrying amount over its fair value (not to exceed the total goodwill allocated to that reporting unit). It eliminates Step 2 of the current two-step goodwill impairment test, under which a goodwill impairment loss is measured by comparing the implied fair value of a reporting unit's goodwill with the carrying amount of that goodwill. ASU 2017-04 is effective, on a prospective basis, for SEC filers for interim and annual periods beginning after December 15, 2019, with early adoption permitted. Management is currently assessing the impact ASU 2017-04 will have on the Company, but it is not expected to have a material impact on the Company's financial statements.

In January 2017, the FASB issued ASU No. 2017-01, *Business Combinations* (Topic 805): *Clarifying the Definition of a Business* ("ASU 2017-01"). ASU 2017-01 clarifies the definition of a business with the objective of adding guidance to assist entities with evaluating whether transactions should be accounted for as acquisitions (or disposals) of assets or businesses. ASU 2017-01 is effective, on a prospective basis, for public companies for interim and annual reporting periods beginning after December 15, 2017. ASU 2017-01 is not expected to have a material impact on the Company's financial statements.

In November 2016, the FASB issued ASU No. 2016-18, *Statement of Cash Flows* (Topic 230): *Restricted Cash* ("ASU 2016-18"). ASU 2016-18 requires that a statement of cash flows explain the change during the period in the total of cash, cash equivalents, and amounts generally described as restricted cash or restricted cash equivalents. Therefore, restricted cash and restricted cash equivalents should be included with cash and cash equivalents when reconciling the beginning-of-period and end-of-period total amounts shown on the statement of cash flows. ASU No 2016-18 is effective, on a retrospective basis, for public companies for interim and annual periods beginning after December 15, 2017, with early adoption permitted. ASU 2016-18 is not expected to have a material impact on the Company's cash flows.

In October 2016, the FASB issued ASU No. 2016-16, *Income Taxes* (Topic 740): *Intra-Entity Transfers of Assets Other Than Inventory* ("ASU 2016-16"). ASU 2016-16 requires the recognition of the income tax consequences of an intra-entity transfer of an asset, other than inventory, when the transfer occurs. ASU 2016-16 is effective for public companies for interim and annual reporting periods beginning after December 15, 2017, with early adoption permitted. The amendments in this ASU should be applied on a modified retrospective basis through a cumulative-effect adjustment directly to retained earnings as of the beginning of the period of adoption. ASU 2016-16 is not expected to have a material impact on the Company's financial position, results of operations and cash flows.

In August 2016, the FASB issued ASU No. 2016-15, *Statement of Cash Flows* (Topic 230): *Classification of Certain Cash Receipts and Cash Payments* ("ASU 2016-15"). ASU 2016-15 will make eight targeted changes to how cash receipts and cash payments are presented and classified in the statement of cash flows. ASU 2016-15 is effective for public companies for interim and annual periods beginning after

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 1 — Nature of Business and Summary of Significant Accounting Policies (Continued)**

December 15, 2017, with early adoption permitted. The new standard will require adoption on a retrospective basis unless it is impracticable to apply, in which case it would be required to apply the amendments prospectively as of the earliest date practicable. ASU 2016-15 is not expected to have a material impact on the Company's cash flows.

In June 2016, the FASB issued ASU No. 2016-13, *Financial Instruments — Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments* ("ASU 2016-13"). ASU 2016-13 replaces the incurred loss impairment methodology in current GAAP with a methodology that reflects expected credit losses and requires consideration of a broader range of reasonable and supportable information to inform credit loss estimates. ASU 2016-13 is effective for SEC filers for interim and annual periods beginning after December 15, 2019. Management is currently assessing the impact ASU 2016-13 will have on the Company, but it is not expected to have a material impact on the Company's financial position, results of operations and cash flows.

In February 2016, the FASB issued ASU No. 2016-02, *Leases (Topic 842)* ("ASU 2016-02"). ASU 2016-02 requires lessees to recognize lease assets and lease liabilities on the balance sheet but did not make significant changes to the effects of lessee accounting on the income statement or statement of cash flows. ASU 2016-02 is effective for public companies for annual and interim periods beginning after December 15, 2018, with early adoption permitted. Management is currently assessing the impact ASU 2016-02 will have on the Company's financial position.

In January 2016, the FASB issued ASU No. 2016-01, *Financial Instruments — Overall (Subtopic 825-10): Recognition and Measurement of Financial Assets and Financial Liabilities* ("ASU 2016-01"). ASU 2016-01 addresses certain aspects of recognition, measurement, presentation and disclosure of financial instruments, specifically equity investments and financial instruments measured at amortized cost. ASU 2016-01 is effective for public companies for annual and interim periods beginning after December 15, 2017. ASU 2016-01 is not expected to have a material impact on the Company's financial statements.

In May 2014, the FASB issued ASU No. 2014-09, *Revenue from Contracts with Customers* (Topic 606) ("ASU 2014-09"). ASU 2014-09 clarifies the principles for recognizing revenue and develops a common revenue standard under U.S. GAAP under which an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. ASU 2014-09 and all subsequently issued clarifying ASUs will replace most existing revenue recognition guidance in U.S. GAAP when it becomes effective. The standard permits the use of either the retrospective or modified retrospective transition method upon adoption. Management intends to adopt ASU 2014-09 effective January 1, 2018, using the modified retrospective method of adoption, and will not have an adjustment to retained earnings upon adoption. Based on the Company's preliminary review of customer contracts, management believes that the impact of adopting ASU 2014-09 on the Company's consolidated financial statements will not be material as these transactions generally consist of a single performance obligation to deliver tangible goods. Management does not expect significant changes in the timing or method of revenue recognition or a need to significantly change any accounting policies or practices. Furthermore, management does not expect significant changes to accounting systems or controls upon adoption of ASU 2014-09. However, the adoption of ASU 2014-09 will result in additional disclosures.

**Note 2 — Fabrica Transaction**

On May 5, 2014, Orchids Paper Products Company and its wholly owned subsidiary, Orchids Mexico, entered into an asset purchase agreement ("APA") with Fabrica to acquire certain assets and 100% of the U.S. business of Fabrica. On June 3, 2014, the Company closed on the transaction set forth in the APA, and in connection therewith, entered into a supply agreement ("Supply Agreement") and an equipment lease agreement ("Equipment Lease Agreement") (collectively, the "Fabrica Transaction").

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 2 — Fabrica Transaction (Continued)**

*Asset Purchase Agreement and Assignment and Assumption of Supply Agreement*

Pursuant to the terms of the APA, Orchids Mexico acquired a paper machine, two converting lines, Fabrica's U.S. customer list, exclusive rights to all of Fabrica's trademarks in the United States, and Fabrica's covenant not to compete in the United States. The purchase price consisted of 411,650 shares of Orchids' common stock, which were valued at \$12.0 million based on the closing price of the Company's shares on the closing date and had a fair market value of \$9.6 million on the closing date due to restrictions on the sale of the stock. In connection with closing the APA, Orchids Paper Products Company also entered into an Assignment and Assumption of Supply Agreement with Elgin Finance & Investment Corp. ("Elgin") for \$16.7 million in cash and 274,433 shares of Orchids' common stock, which were valued at \$8.0 million based on the closing price of the Company's shares on the closing date and had a fair market value of \$6.4 million on the closing date due to restrictions on the sale of the stock, in exchange for the assignment to Orchids of Elgin's supply agreement with Fabrica which provided Elgin exclusive supply rights with respect to Fabrica's U.S. business.

Under the Supply Agreement, the Company has the right to purchase from Fabrica up to 19,800 tons of parent rolls and equivalent converting capacity for certain specified product during each twelve-month period following the effective date of the Supply Agreement. The Supply Agreement also allowed the Company to purchase up to an additional 7,700 tons annually in each of the first two years of the agreement. Pursuant to the terms of the Supply Agreement, Fabrica and its affiliates will be subject to a non-compete provision with respect to business in the U.S. The Supply Agreement has an initial term of twenty years. In the event of a termination of the Supply Agreement due to (i) a material breach as a result of intentional, willful or grossly negligent conduct by Fabrica, (ii) a breach of Fabrica's covenant not to compete, or (iii) a voluntary filing of bankruptcy by Fabrica, Fabrica must pay the Company \$100 million in liquidated damages. In the event of a change of control of Fabrica, the Company will have a two-year right to terminate the Supply Agreement, and in such event, Fabrica would be required to pay the Company liquidated damages of \$36.7 million.

*Equipment Lease Agreement*

Pursuant to the terms of the Equipment Lease Agreement, Orchids Mexico will lease the papermaking and converting assets acquired under the APA back to Fabrica. The rental fee will be based upon the number of metric tons shipped by Fabrica to the Company, subject to annual adjustment based on the calculation of the purchase price for product under the Supply Agreement. The Equipment Lease Agreement has a term of twenty years, but will terminate automatically upon termination of the Supply Agreement.

Upon the earlier of (i) the termination of the Equipment Lease Agreement or (ii) the purchase by Orchids of a separate paper making or converting asset and the entry into of an equipment lease agreement between Orchids and Fabrica with respect to such purchased asset, Orchids Mexico shall have the right to sell to Fabrica the paper assets leased under the Equipment Lease Agreement on an as-is-where-is basis, for \$12.0 million.

*Purchase Price Allocation*

The acquisition of Fabrica's U.S. business in the Fabrica Transaction was accounted for under the FASB Accounting Standards Codification 805, "Business Combinations". The \$32.7 million purchase price of \$16.7 million in cash (financed by a term loan) and \$16.0 million in common stock exceeded the \$7.2 million estimated fair value of tangible assets acquired (machinery and equipment) by approximately \$25.5 million. Intangible assets totaling approximately \$18.0 million have been identified and are being amortized over their expected useful lives.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 2 — Fabrica Transaction (Continued)**

*Intangibles and goodwill*

Intangible assets at December 31, 2017 were:

|                                                                  | <u>Life<br/>(in years)</u> | <u>Gross<br/>Carrying<br/>Amount</u> | <u>Accumulated<br/>Amortization</u> | <u>Net<br/>Carrying<br/>Value</u> |
|------------------------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|-----------------------------------|
|                                                                  |                            | (in thousands)                       |                                     |                                   |
| Intangible asset – supply and equipment lease agreements . . . . | 20                         | \$12,800                             | \$2,240                             | \$10,560                          |
| Intangible asset – licenses/trademarks . . . . .                 | 20                         | 1,350                                | 237                                 | 1,113                             |
| Intangible asset – non-compete agreement . . . . .               | 2                          | 1,150                                | 1,150                               | —                                 |
| Intangible asset – customer relationships . . . . .              | 12                         | 2,690                                | 784                                 | 1,906                             |
|                                                                  |                            | <u>\$17,990</u>                      | <u>\$4,411</u>                      | <u>\$13,579</u>                   |

Intangible assets at December 31, 2016 were:

|                                                                  | <u>Life<br/>(in years)</u> | <u>Gross<br/>Carrying<br/>Amount</u> | <u>Accumulated<br/>Amortization</u> | <u>Net<br/>Carrying<br/>Value</u> |
|------------------------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|-----------------------------------|
|                                                                  |                            | (in thousands)                       |                                     |                                   |
| Intangible asset – supply and equipment lease agreements . . . . | 20                         | \$12,800                             | \$1,600                             | \$11,200                          |
| Intangible asset – licenses/trademarks . . . . .                 | 20                         | 1,350                                | 169                                 | 1,181                             |
| Intangible asset – non-compete agreement . . . . .               | 2                          | 1,150                                | 1,150                               | —                                 |
| Intangible asset – customer relationships . . . . .              | 12                         | 2,690                                | 560                                 | 2,130                             |
|                                                                  |                            | <u>\$17,990</u>                      | <u>\$3,479</u>                      | <u>\$14,511</u>                   |

Estimated future intangible amortization expense is \$0.9 million in 2018, 2019, 2020, 2021, and 2022, respectively.

Goodwill of \$7.6 million represents the premium the Company was willing to pay to enter into a long-term relationship with Fabrica and the benefits the Company expects to receive from being able to cost effectively serve its current customers and to develop relationships with new customers with distribution centers in the western United States. The relationship with Fabrica is expected to provide opportunities for future production capacity and sales growth. Goodwill is not amortized, but is tested at least annually for impairment, or if circumstances occur that more likely than not will reduce the fair value of the reporting unit to below its carrying amount. No goodwill impairment has been recorded as of December 31, 2017. There were no other changes in the carrying amount of goodwill subsequent to the acquisition. All of the goodwill related to the Fabrica Transaction is expected to be tax-deductible.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 2 — Fabrica Transaction (Continued)**

*Operating Results of Business Acquired*

The consolidated statements of income include the following revenues and operating income related to the U.S. business acquired from Fabrica. Operating income provided below does not include an allocation of the Company's overhead or selling, general and administrative expenses.

|                            | <b>Year Ended December 31,</b> |             |             |
|----------------------------|--------------------------------|-------------|-------------|
|                            | <b>2017</b>                    | <b>2016</b> | <b>2015</b> |
|                            | <b>(In thousands)</b>          |             |             |
| Revenues . . . . .         | \$31,748                       | \$42,045    | \$46,316    |
| Operating income . . . . . | 5,940                          | 10,583      | 10,569      |

*Related party transactions*

The Company incurred the following transactions with Fabrica during the years ended December 31, 2017, 2016 and 2015:

|                                                                         | <b>Year Ended December 31,</b> |             |             |
|-------------------------------------------------------------------------|--------------------------------|-------------|-------------|
|                                                                         | <b>2017</b>                    | <b>2016</b> | <b>2015</b> |
|                                                                         | <b>(In thousands)</b>          |             |             |
| Products purchased under the Supply Agreement . . . . .                 | \$26,640                       | \$31,974    | \$37,373    |
| Amounts billed to Fabrica under the Equipment Lease Agreement . . . . . | \$ 2,027                       | \$ 1,647    | \$ 2,172    |
| Parent rolls purchased by Fabrica . . . . .                             | \$ 4,889                       | \$ 1,777    | \$ 6,119    |

**Note 3 — Fair Value Measurements**

The valuation hierarchy included in U.S. GAAP considers the transparency of inputs used to value assets and liabilities as of the measurement date. The less transparent or observable the inputs used to value assets and liabilities, the lower the classification of the assets and liabilities in the valuation hierarchy. A financial instrument's classification within the valuation hierarchy is based on the lowest level of input that is significant to its fair value measurement. The three levels of the valuation hierarchy and the classification of the Company's financial assets and liabilities within the hierarchy are as follows:

Level 1 — Quoted prices (unadjusted) in active markets for identical assets or liabilities that the reporting entity has the ability to access at the measurement date.

Level 2 — Observable inputs other than quoted prices included within Level 1 for the asset or liability, either directly or indirectly. If an asset or liability has a specified term, a Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 — Unobservable inputs for the asset or liability.

The Company does not report any assets or liabilities at fair value in the financial statements. However, the fair value of the Company's long-term debt is estimated by management to approximate the carrying value of \$170.8 million and \$142.0 million at December 31, 2017 and 2016, respectively. Management's estimates are based on periodic comparisons of the characteristics of the Company's obligations, including floating interest rates, credit rating, maturity and collateral, to current market conditions as stated by an independent third-party financial institution. Such valuation inputs are considered a Level 2 measurement in the fair value valuation hierarchy.

As the Company has no assets or liabilities reported at fair value in the financial statements, there were no transfers among Level 1, Level 2 or Level 3 assets during the years ended December 31, 2017, 2016 and 2015.

# ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

December 31, 2017, 2016 and 2015

### Note 4 — Commitments and Contingencies

The Company may be involved from time to time in litigation arising from the normal course of business. In management's opinion, as of the date of this report, the Company is not engaged in legal proceedings, which individually or in the aggregate are expected to have a materially adverse effect on the Company's results of operations or financial condition.

#### Gas purchase commitments

In the fourth quarter of 2017, the Company entered into contracts to purchase natural gas for both the Pryor, Oklahoma and the Barnwell, South Carolina facilities. Contracted volumes with fixed pricing provide for approximately 80% of the Company's natural gas requirements at its Pryor facility through December 31, 2019 and approximately 70% of its natural gas requirements at its Barnwell facility through September 30, 2019. Commitments under these contracts are as follows:

| PRYOR, OKLAHOMA   |        |                 |        |                 |        |                 |         |                 |
|-------------------|--------|-----------------|--------|-----------------|--------|-----------------|---------|-----------------|
| Period            | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU | MMBTUs  | Price per MMBTU |
| 1Q 2018 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 25,029  | *               |
| 2Q 2018 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 22,011  | *               |
| 3Q 2018 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 13,222  | *               |
| 4Q 2018 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 23,844  | *               |
| 1Q 2019 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 25,029  | *               |
| 2Q 2019 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 22,011  | *               |
| 3Q 2019 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 13,222  | *               |
| 4Q 2019 . . . . . | 30,000 | \$2.89          | 60,000 | \$2.75          | 15,000 | \$2.58          | 23,844  | *               |
| 1Q 2020 . . . . . | —      | \$ —            | —      | \$ —            | —      | \$ —            | 130,029 | *               |
| 2Q 2020 . . . . . | —      | \$ —            | —      | \$ —            | —      | \$ —            | 127,011 | *               |
| 3Q 2020 . . . . . | —      | \$ —            | —      | \$ —            | —      | \$ —            | 118,222 | *               |
| 4Q 2020 . . . . . | —      | \$ —            | —      | \$ —            | —      | \$ —            | 128,844 | *               |

\* The variable rate is based on the Oneok Gas Transportation rate plus an adder of \$0.01/MMBtu plus all applicable transport and fuel.

| BARNWELL, SOUTH CAROLINA |        |                 |        |                 |        |                 |
|--------------------------|--------|-----------------|--------|-----------------|--------|-----------------|
| Period                   | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU | MMBTUs | Price per MMBTU |
| 1Q 2018 . . . . .        | 12,586 | \$3.52          | 12,586 | \$3.43          | 12,586 | \$3.37          |
| 2Q 2018 . . . . .        | 12,725 | \$3.52          | 12,725 | \$3.43          | 12,725 | \$3.37          |
| 3Q 2018 . . . . .        | 12,865 | \$3.52          | 12,865 | \$3.43          | 12,865 | \$3.37          |
| 4Q 2018 . . . . .        | 12,865 | \$3.52          | 12,865 | \$3.43          | 12,865 | \$3.37          |
| 1Q 2019 . . . . .        | 12,586 | \$3.52          | 12,586 | \$3.43          | 12,586 | \$3.37          |
| 2Q 2019 . . . . .        | 12,725 | \$3.52          | 12,725 | \$3.43          | 12,725 | \$3.37          |
| 3Q 2019 . . . . .        | 12,865 | \$3.52          | 12,865 | \$3.43          | 12,865 | \$3.37          |
| 4Q 2019 . . . . .        | —      | \$ —            | —      | \$ —            | 12,865 | \$3.37          |

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 4 — Commitments and Contingencies (Continued)**

If the Company is unable to purchase the contracted amounts and the market price at that time is less than the contracted price, the Company would be obligated under the terms of the agreements to reimburse an amount equal to the difference between the contracted amount and the amount actually purchased, multiplied by the difference between the contract price and a price designated in the contract (approximates spot price).

*Other purchase commitments*

In April 2015, Orchids announced projects to build a new integrated paper converting facility in Barnwell, South Carolina. As part of this project, the Company entered into significant purchase orders for two converting lines and construction of a paper machine. As of December 31, 2017, obligations under purchase orders related to the Barnwell projects totaled approximately \$0.1 million.

**Note 5 — Inventories**

Inventories at December 31 were:

|                                       | <u>2017</u>           | <u>2016</u>     |
|---------------------------------------|-----------------------|-----------------|
|                                       | <u>(In thousands)</u> |                 |
| Raw materials . . . . .               | \$ 6,032              | \$ 4,855        |
| Bulk paper rolls . . . . .            | 5,526                 | 3,765           |
| Converted finished goods . . . . .    | 9,134                 | 9,859           |
| Inventory valuation reserve . . . . . | <u>(129)</u>          | <u>(65)</u>     |
|                                       | <u>\$20,563</u>       | <u>\$18,414</u> |

**Note 6 — Property, Plant and Equipment**

The principal categories and estimated useful lives of property, plant and equipment at December 31 were:

|                                                                     | <u>2017</u>           | <u>2016</u>      | <u>Estimated<br/>Useful Lives</u> |
|---------------------------------------------------------------------|-----------------------|------------------|-----------------------------------|
|                                                                     | <u>(In thousands)</u> |                  |                                   |
| Land . . . . .                                                      | \$ 4,582              | \$ 4,582         | —                                 |
| Buildings and improvements . . . . .                                | 62,358                | 32,428           | 7 to 40                           |
| Machinery and equipment . . . . .                                   | 286,291               | 188,531          | 2.5 to 40                         |
| Vehicles . . . . .                                                  | 1,836                 | 1,824            | 3 to 5                            |
| Nondepreciable machinery and equipment (parts and spares) . . . . . | 12,680                | 11,976           | —                                 |
| Construction-in-process . . . . .                                   | <u>3,014</u>          | <u>81,101</u>    | —                                 |
|                                                                     | <u>\$370,761</u>      | <u>\$320,442</u> |                                   |

In January 2016, the Company received \$1.9 million of proceeds from an economic incentive related to the construction of the South Carolina facility. While there currently are no U.S. GAAP pronouncements relating to the accounting treatment of government grants, the Company recorded these proceeds as a reduction in the property, plant and equipment related to this project in accordance with non-authoritative guidance issued by the American Institute of Certified Public Accountants, which recommended that grants related to developing property be recognized over the useful lives of the assets by recognizing receipt as the related asset is depreciated.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 6 — Property, Plant and Equipment (Continued)**

The Company capitalizes interest for major capital projects. Capitalized interest is added to the cost of the underlying assets and is depreciated over the useful lives of those assets. Interest expense for the years ended December 31, 2017, 2016 and 2015 excludes \$3.6 million, \$1.7 million and \$0.5 million, respectively, of interest capitalized on significant projects during the year.

**Note 7 — Long-Term Debt and Revolving Line of Credit**

In April 2015, the Company entered into its Second Amended and Restated Credit Agreement (the “Credit Agreement”) with U.S. Bank National Association (“U.S. Bank”) to add \$40 million of borrowing capacity under a delayed draw term loan. In June 2015, the Company entered into Amendment No. 2 to obtain additional borrowing capacity. This amendment combined \$20.0 million outstanding under an existing revolving line of credit and \$27.3 million outstanding under an existing term loan into a \$47.3 million term loan, increased the delayed draw facility from \$40 million to \$115 million (later amended to \$108.5 million), and extended the maturity of the delayed draw facility from August 2015 to June 2020. Proceeds from the delayed draw term loan were used solely to finance the purchase and installation of new equipment and construction at the Barnwell, South Carolina facility. In January 2017, the Company entered into Amendment No. 3, which increased the total loan commitment, modified the pricing grid applicable to interest rates and the unused commitment fee, amended the financial covenant related to the maintenance of a maximum total Leverage Ratio by increasing the permitted total Leverage Ratio for fiscal quarters ending on or prior to March 31, 2018, and amended the terms of the draw loan to provide for additional advance amounts available to the Company for the purposes of acquiring or improving real estate. In March 2017, the Company entered into Amendment No. 4, which waived the permitted total Leverage Ratio for the first two quarters of 2017 and increased the permitted total Leverage Ratio for the last two quarters of 2017, lowered the required Fixed Charge Coverage Ratio for the second and third quarters of 2017, and extended the period during which funds may be drawn under the delayed draw loan to December 25, 2017. The delayed draw loan of \$108.5 million was fully drawn in October of 2017. In June 2017, the Company entered into Amendment No. 5, which, among other things, waived the required Fixed Charge Coverage Ratio for the period ended June 30, 2017. Additionally, the Company agreed not to make any dividend or other distribution payment with respect to its equity unless the Company has achieved a Leverage Ratio of less than 4 to 1 for two consecutive fiscal quarters and no Default or Event of Default (as defined in the Credit Agreement) exists or would exist following such payment. The amount and timing of dividend payments otherwise remains subject to the judgment and approval of the Board of Directors. On November 7, 2017, the Company entered into Amendment No. 6 to the Credit Agreement, and Amendment No. 3 to its Loan Agreement for New Markets Tax Credit (the “NMTC Loan Agreement”), each of which, in addition to providing waivers for covenant defaults, provided for a minimum EBITDA covenant, amended the pricing schedule, and amended certain reporting requirements. At December 31, 2017, the Company was not in compliance with certain financial covenants under its Credit Agreement or the NMTC Loan Agreement, and obtained a waiver from its lenders.

On February 28, 2018, the Company entered into Amendment No. 7 to the Credit Agreement and on March 1, 2018 the Company entered into Amendment No. 4 to the NMTC Loan Agreement, each of which, in addition to providing waivers for covenant defaults until the measurement date of June 30, 2018, provides for a minimum EBITDA covenant, amends the pricing schedule, and amends certain reporting requirements. Including the amendments incorporated into these waivers, the Company’s credit facilities have been amended for each of the last five quarters. The financial covenant requirements remaining in effect at this time are as follows: Fixed Charge Coverage Ratio of 1.2 to 1.0 at December 31, 2017 and quarter-ends thereafter; Leverage Ratios of 4.5 at December 31, 2017, 3.5 at March 31, 2018, 5.5 at June 30, 2018, and 3.5 at quarter-ends thereafter; and minimum EBITDA for the most recent three-month period of \$5.0 million at December 31, 2017, \$4.6 million at January 31, 2018, and February 28, 2018, and at increasing levels as of the last day of each month thereafter. In addition, the Company is required to

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 7 — Long-Term Debt and Revolving Line of Credit (Continued)**

comply with other conditions and meet certain milestones in an allocated time, including that the Company must (i) by March 15, 2018, retain consultants to assist us in formulating a strategic plan to facilitate such activities; and (ii) by June 1, 2018, initiate a strategic alternative acceptable to its lenders to facilitate repayment of its outstanding debt obligations.

The Company sought to refinance its existing long-term debt in 2017, but did not procure an alternative acceptable to all parties involved. The Company intends to continue to seek to refinance its existing long-term debt obligations as required by its existing lender and as earnings and cash flow improve and more opportunities become available. The Company may also need to seek another amendment of its Credit Agreement with its existing lenders. If the Company is unable to obtain another suitable amendment and/or a refinancing is not completed, the bank syndicate could declare a default. There can be no assurance that the Company's lenders will agree to further waivers or amendments to the existing debt covenants. While management is exploring options to refinance its existing long-term debt obligations, as well as alternative financing, refinancing, restructuring and capital-raising activities, in order to address the Company's ongoing liquidity needs and to maintain sufficient access to the loan and capital markets on commercially acceptable terms to finance its business, there can be no assurance that the Company will be able to obtain additional financing on terms that are satisfactory to it, or at all. As of December 31, 2017, the borrowings under the Credit Agreement and the term loan otherwise due in 2022 were classified as current on the balance sheet due to these uncertainties regarding the Company's ability to meet the existing debt covenants over the next twelve-month period.

The terms of the Credit Agreement, as amended, consist of the following:

- a \$25.0 million revolving credit line due June 2020;
- a \$47.3 million Term Loan with a 5-year term due June 2020 with quarterly principal payments of \$0.7 million for September 2015 through June 2016, \$1.0 million for September 2016 through March 2018, and beginning in April 2018 through June 2020, monthly payments of \$0.3 million.
- a \$108.5 million delayed draw term loan, which was fully drawn in October 2017, due June 2020 with quarterly principal payments beginning in September 2017 of 1.5% of the outstanding balance as of defined measurement dates through the draw period ending December 2017. Beginning in December 2017 through March 2018, quarterly principal payments are \$1.6 million, and beginning in April 2018 monthly payments of \$0.5 million will be paid through June 2020.

Additionally, in connection with the NMTC transaction discussed in Note 13, the Company entered into an \$11.1 million term loan with U.S. Bank. This loan bears interest at a fixed rate of 4.4% and matures on December 29, 2022. The loan requires quarterly payments of principal and interest of approximately \$255,000, beginning in March 2016, with a balloon payment due on the maturity date.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 7 — Long-Term Debt and Revolving Line of Credit (Continued)**

Under the terms of the Credit Agreement, as amended, amounts outstanding will bear interest at a variable rate of LIBOR plus a specified margin. The specified margin is based on the Company's quarterly Leverage Ratio, as defined in the Credit Agreement, as amended. The following table outlines the specified margins and the commitment fees payable under the Credit Agreement, as amended, as of March 1, 2018:

| <b>Leverage Ratio</b>                                      | <b>LIBOR<br/>Margin</b> | <b>Base<br/>Margin</b> | <b>Commitment<br/>Fee</b> |
|------------------------------------------------------------|-------------------------|------------------------|---------------------------|
| Less than 1.00 . . . . .                                   | 1.25%                   | 0.00%                  | 0.15%                     |
| Greater than or equal to 1.00 but less than 2.00 . . . . . | 1.50%                   | 0.00%                  | 0.20%                     |
| Greater than or equal to 2.00 but less than 3.00 . . . . . | 1.75%                   | 0.00%                  | 0.25%                     |
| Greater than or equal to 3.00 but less than 3.50 . . . . . | 2.25%                   | 0.00%                  | 0.30%                     |
| Greater than or equal to 3.50 but less than 4.00 . . . . . | 2.50%                   | 0.25%                  | 0.35%                     |
| Greater than or equal to 4.00 but less than 4.50 . . . . . | 3.00%                   | 0.75%                  | 0.40%                     |
| Greater than or equal to 4.50 but less than 5.00 . . . . . | 3.50%                   | 1.25%                  | 0.45%                     |
| Greater than or equal to 5.00 but less than 6.00 . . . . . | 4.00%                   | 1.75%                  | 0.50%                     |
| Greater than or equal to 6.00 . . . . .                    | 7.00%                   | 4.75%                  | 1.55%                     |

As of December 31, 2017, the Company's weighted-average interest rate was 7.3%.

Long-term debt at December 31 consists of:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>2017</b>           | <b>2016</b>      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>(In thousands)</b> |                  |
| Revolving line of credit, maturing on June 25, 2020 . . . . .                                                                                                                                                                                                                                                                                                                                                                                                              | \$ 16,844             | \$ 16,447        |
| Delayed draw term loan, maturing on June 25, 2020, with quarterly principal payments beginning in September 2017 of 1.5% of the outstanding balance as of defined measurement dates through the draw period ending December 2017. Beginning in December 2017 through March 2018, quarterly principal payments are \$1.6 million, and beginning in April 2018 monthly payments of \$0.5 million will be paid through June 2020, excluding interest paid separately. . . . . | 105,305               | 72,342           |
| Term loan, maturing on June 25, 2020, with quarterly principal payments of \$0.7 million for September 2015 through June 2016, \$1.0 million for September 2016 through March 2018, and beginning in April 2018 through June 2020, monthly payments of \$0.3 million, excluding interest paid separately . . .                                                                                                                                                             | 38,600                | 42,600           |
| Term loan, maturing on December 29, 2022, due in quarterly installments of \$255,000, including interest . . . . .                                                                                                                                                                                                                                                                                                                                                         | 10,019                | 10,577           |
| Capital lease obligations . . . . .                                                                                                                                                                                                                                                                                                                                                                                                                                        | 33                    | —                |
| Less: unamortized debt issuance costs . . . . .                                                                                                                                                                                                                                                                                                                                                                                                                            | (1,865)               | (1,249)          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 168,936               | 140,717          |
| Less current portion . . . . .                                                                                                                                                                                                                                                                                                                                                                                                                                             | 168,903               | 6,728            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>\$ 33</u>          | <u>\$133,989</u> |

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 7 — Long-Term Debt and Revolving Line of Credit (Continued)**

Unamortized debt issuance costs at December 31 consist of:

|                                                             | 2017           | 2016           |
|-------------------------------------------------------------|----------------|----------------|
|                                                             | (In thousands) |                |
| Revolving line of credit . . . . .                          | \$ 432         | \$ 229         |
| Delayed draw term loan, maturing on June 25, 2020 . . . . . | 615            | 283            |
| Term loan, maturing on June 25, 2020 . . . . .              | 274            | 146            |
| Term loan, maturing on December 29, 2022 . . . . .          | 544            | 591            |
|                                                             | <u>\$1,865</u> | <u>\$1,249</u> |

The annual maturities of long-term debt at December 31, 2017, are as follows:

| Year                 | Annual<br>Payment<br>Amount<br>(in thousands) |
|----------------------|-----------------------------------------------|
| 2018 . . . . .       | \$ 10,903                                     |
| 2019 . . . . .       | 10,929                                        |
| 2020 . . . . .       | 140,751                                       |
| 2021 . . . . .       | 668                                           |
| 2022 . . . . .       | 7,527                                         |
| after 2022 . . . . . | 23                                            |
|                      | <u>\$170,801</u>                              |

The amount available under the revolving credit line may be reduced in the event that the Company's borrowing base, which is based upon qualified receivables and qualified inventory, is less than \$25.0 million. As of December 31, 2017, the Company's borrowing base was \$19.3 million, including \$9.3 million of eligible accounts receivable and \$10.0 million of eligible inventory. The amount available under the revolving credit line was \$2.4 million as of December 31, 2017.

Obligations under the Credit Agreement and the NMTC loan are secured by substantially all of the Company's assets. The Credit Agreement contains representations and warranties, and affirmative and negative covenants customary for financings of this type, including, but not limited to, limitations on additional borrowings, additional investments and asset sales. The Company has the right to prepay borrowings under the Credit Agreement at any time without penalty.

**Note 8 — Income Taxes**

The Company is subject to income tax in the United States and Mexico. Income from continuing operations before taxes subject to United States and foreign income taxes for each of the three years ended December 31, were as follows:

|                                                   | Year ended December 31, |                 |                 |
|---------------------------------------------------|-------------------------|-----------------|-----------------|
|                                                   | 2017                    | 2016            | 2015            |
|                                                   | (in thousands)          |                 |                 |
| United States . . . . .                           | \$(10,401)              | \$18,280        | \$17,902        |
| Foreign . . . . .                                 | 1,574                   | (1,058)         | 1,710           |
| Total (loss) income before income taxes . . . . . | <u>\$ (8,827)</u>       | <u>\$17,222</u> | <u>\$19,612</u> |

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 8 — Income Taxes (Continued)**

The components of the provision for income taxes for each of the three years ended December 31, were as follows:

|                                                           | Year ended December 31, |                 |                |
|-----------------------------------------------------------|-------------------------|-----------------|----------------|
|                                                           | 2017                    | 2016            | 2015           |
|                                                           | (in thousands)          |                 |                |
| Current:                                                  |                         |                 |                |
| U.S. Federal . . . . .                                    | \$(31,060)              | \$(2,934)       | \$1,945        |
| U.S. State . . . . .                                      | (2,048)                 | (352)           | (224)          |
| Foreign . . . . .                                         | 240                     | 127             | 99             |
|                                                           | <u>(32,868)</u>         | <u>(3,159)</u>  | <u>1,820</u>   |
| Deferred:                                                 |                         |                 |                |
| U.S. Federal . . . . .                                    | 16,667                  | 7,906           | 3,930          |
| U.S. State . . . . .                                      | 429                     | (568)           | —              |
| Foreign . . . . .                                         | 271                     | 232             | 305            |
|                                                           | <u>17,367</u>           | <u>7,570</u>    | <u>4,235</u>   |
| Total provision for (benefit from) income taxes . . . . . | <u>\$(15,501)</u>       | <u>\$ 4,411</u> | <u>\$6,055</u> |

Significant components of the Company's deferred income tax assets and (liabilities) at December 31 were:

|                                                      | 2017              | 2016              |
|------------------------------------------------------|-------------------|-------------------|
|                                                      | (in thousands)    |                   |
| <b>Deferred income taxes</b>                         |                   |                   |
| Inventories . . . . .                                | \$ 1,477          | \$ 1,576          |
| Prepaid expenses . . . . .                           | (134)             | (209)             |
| Accrued vacation . . . . .                           | 14                | 70                |
| Plant and equipment . . . . .                        | (31,185)          | (34,114)          |
| Federal net operating loss carryforward . . . . .    | 12,010            | —                 |
| State investment tax credit carryforward . . . . .   | 9,036             | 7,721             |
| State net operating loss carryforward . . . . .      | 2,407             | 352               |
| Stock-based compensation . . . . .                   | 862               | 1,375             |
| State income taxes – temporary differences . . . . . | (6,483)           | (4,738)           |
| R&D and other federal credits . . . . .              | 677               | 766               |
| Intangible assets . . . . .                          | (326)             | (273)             |
| Other . . . . .                                      | 50                | 140               |
| Deferred income tax liabilities, net . . . . .       | <u>\$(11,595)</u> | <u>\$(27,334)</u> |

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 8 — Income Taxes (Continued)**

The following table summarizes the differences between the U.S. federal statutory rate and the Company's effective tax rate for financial statement purposes:

|                                                                 | Year ended December 31, |              |              |
|-----------------------------------------------------------------|-------------------------|--------------|--------------|
|                                                                 | 2017                    | 2016         | 2015         |
| Statutory tax rate . . . . .                                    | 35.0%                   | 35.0%        | 35.0%        |
| Change in future years' tax rate . . . . .                      | 125.0%                  | —            | —            |
| State income taxes, net of U.S. federal tax benefit . . . . .   | 3.5%                    | 4.6%         | 3.3%         |
| R&D and other federal credits . . . . .                         | 0.9%                    | (2.1)%       | (1.2)%       |
| Employee and board stock compensation . . . . .                 | (0.5)%                  | —            | 0.1%         |
| State investment tax credits . . . . .                          | 14.9%                   | (10.0)%      | (5.5)%       |
| Section 199 manufacturing deduction . . . . .                   | —                       | —            | (1.5)%       |
| Change in estimates . . . . .                                   | —                       | (1.8)%       | —            |
| Foreign income taxes, net of U.S. federal tax credits . . . . . | 2.7%                    | (1.1)%       | 0.6%         |
| Other . . . . .                                                 | (5.9)%                  | 1.0%         | 0.1%         |
|                                                                 | <u>175.6%</u>           | <u>25.6%</u> | <u>30.9%</u> |

For the year ended December 31, 2017, the effective tax rate was impacted by the Tax Cuts and Job Act for future tax years as enacted in December 2017. Deferred tax assets and liabilities are measured based on applicable enacted tax rates and provisions of enacted tax laws. Accordingly, all deferred tax assets and liabilities as of December 31, 2017, were restated at a 21% tax rate. Since the Company has a net deferred tax liability, this resulted in a net tax benefit of approximately \$11 million. The effect on the effective tax rate was 125% as shown in the rate reconciliation table above. Exclusive of the \$11 million benefit from the change in the tax laws, the Company's effective tax rate would have been approximately 51%. Oklahoma Investment Tax Credits ("OITC") associated with investments in our manufacturing operations in Pryor, Oklahoma; federal credits, foreign tax credits and research and development credits; and the Company's pre-tax net losses contributed to the difference between the U.S. federal statutory rate and the Company's effective tax rate for 2017.

For the year ended December 31, 2016, the effective tax rate was lower than the statutory rate primarily due to South Carolina Investment Tax Credits ("SCITC") and OITC associated with investments in the Company's manufacturing operations in Barnwell, South Carolina and Pryor, Oklahoma, respectively, and federal credits, including Indian Employment Credits ("IEC"), foreign tax credits and research and development credits.

For the year ended December 31, 2015, the effective tax rate was lower than the statutory rate primarily due to OITC associated with investments in the Company's manufacturing operations in Pryor, Oklahoma, manufacturing tax deductions and IEC.

The Company has significant carryforwards for the State of Oklahoma and South Carolina totaling \$9.0 million. For Oklahoma the OITC is \$8.6 million, which is primarily associated with significant equipment acquisitions in the current and prior years. The Company believes that its future state taxable income will be sufficient to allow realization before the OITC expires in varying amounts from 2021 through 2032. Accordingly, deferred tax assets have been recognized for this credit.

The SCITC carryforward is approximately \$0.4 million and is primarily associated with the Company's \$28 million investment in 2016 with new converting lines. While the Company believes that its future state taxable income will be sufficient to allow realization before the 2016 SCITC expires in ten years, it does not believe that sufficient future state taxable income will allow any additional SCITC. Accordingly, a deferred tax asset has been recognized only for the 2016 credit carryforward.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 8 — Income Taxes (Continued)**

The U.S. tax code requires that certain types of income produced by non-U.S. subsidiaries be currently taxed without regard to actual distribution (Subpart F income). Income earned by Orchids Mexico meets the definition of Subpart F income. As a result, U.S. current and deferred federal income tax has been recorded on these earnings. Upon remittance of these earnings, no significant incremental U.S. tax is expected.

Based upon a review of its income tax filing positions, the Company believes that its positions would be sustained upon an audit and does not anticipate any adjustments that would result in a material change to its financial position. However, the 2014 tax return has been selected for audit by the Internal Revenue Service. The Company recognizes interest related to income taxes as interest expense and penalties as selling, general and administrative expenses. The tax years 2014 through 2017 remain open to examination by major taxing jurisdictions in which the Company files income tax returns.

**Note 9 — Earnings per Share**

During the first quarter of 2013, the Company granted restricted stock to certain employees. These awards include a nonforfeitable right to receive dividends and therefore are considered to participate in undistributed earnings with common stockholders. Therefore, the Company calculates basic and diluted earnings per common share using the two-class method, under which net earnings are allocated to each class of common stock and participating security. The computation of basic and diluted net income per common share for the years ended December 31, 2017, 2016 and 2015, is as follows:

|                                                                                      | Year ended December 31,                         |                   |                  |
|--------------------------------------------------------------------------------------|-------------------------------------------------|-------------------|------------------|
|                                                                                      | 2017                                            | 2016              | 2015             |
|                                                                                      | (In thousands, except share and per share data) |                   |                  |
| Net income . . . . .                                                                 | \$ 6,674                                        | \$ 12,811         | \$ 13,557        |
| Less: distributed earnings allocable to participating securities . .                 | —                                               | —                 | (3)              |
| Distributed and undistributed earnings allocable to common<br>shareholders . . . . . | \$ 6,674                                        | \$ 12,811         | \$ 13,554        |
| Weighted average shares outstanding . . . . .                                        | 10,399,074                                      | 10,286,373        | 9,778,167        |
| Effect of stock options . . . . .                                                    | 15,797                                          | 62,901            | 66,054           |
| Weighted average shares outstanding – assuming dilution . . . . .                    | <u>10,414,871</u>                               | <u>10,349,274</u> | <u>9,844,221</u> |
| Net income per common share:                                                         |                                                 |                   |                  |
| Basic . . . . .                                                                      | \$ 0.64                                         | \$ 1.25           | \$ 1.39          |
| Diluted . . . . .                                                                    | \$ 0.64                                         | \$ 1.24           | \$ 1.38          |
| Stock options not included above because they were<br>anti-dilutive . . . . .        | 838,925                                         | 614,250           | 598,000          |

**Note 10 — Stock Incentives**

In April 2014, the Orchids Paper Products Company 2014 Stock Incentive Plan (the “2014 Plan”) was approved. The 2014 Plan replaced the Orchids Paper Products Company 2005 Stock Incentive Plan (the “2005 Plan”) and provides for the granting of stock options and other stock based awards to employees and Board members selected by the Board’s compensation committee. The Company’s policy is to issue shares of remaining authorized common stock to satisfy option exercises under the 2014 Plan. A total of 400,000 shares may be issued pursuant to the 2014 Plan. As of December 31, 2017, there were 49,575 shares available for issuance under the 2014 Plan. The exercise price of each option is generally equal to the

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
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**Note 10 — Stock Incentives (Continued)**

arithmetic mean of the high and low sales price per share of the Company's common stock on the grant date. Options granted to Board members under the Plan generally vest immediately. Options granted to employees generally vest over a service period of zero to five years or are market-based and vest when the share price of the Company's common stock closes at or above a certain percentage of the purchase price of the option for three consecutive business days. Options granted with market-based vesting expire if they remain unvested five years after the grant date. Options granted under the 2014 Plan have a 10-year life.

*Stock options with time-based vesting conditions*

The Company uses the Black-Scholes option valuation model to estimate the grant date fair value of stock options issued with time-based vesting conditions, as this model was developed for use in estimating the fair value of traded options, which have no vesting restrictions and are fully transferable. Option valuation models require the input of highly subjective assumptions including the expected stock price volatility. Estimated volatility is calculated based on actual historical volatility of the Company's common stock from the Company's initial public offering date to the grant date. The Company's dividend yield assumption is based on the expected dividend yield as of the grant date. Expected life is calculated based on the average of the service period and the contractual term of the option, using the simplified method for "plain vanilla" options, due to limited available exercise information. The Company expenses the cost of these options granted over the vesting period of the option based on the grant-date fair value of the award.

The following table details the options granted to certain members of the board of directors and management that were valued using the Black-Scholes valuation model and the weighted-average assumptions used in the Black-Scholes option valuation model for those grants during 2015, 2016 and 2017:

| <b>Grant Date</b>  | <b>Number of Shares</b> | <b>Exercise Price</b> | <b>Grant Date Fair Value</b> | <b>Risk-Free Interest Rate</b> | <b>Estimated Volatility</b> | <b>Dividend Yield</b> | <b>Expected Life (in years)</b> |
|--------------------|-------------------------|-----------------------|------------------------------|--------------------------------|-----------------------------|-----------------------|---------------------------------|
| May 2015 . . . . . | 40,000                  | \$22.49               | \$ 4.64                      | 2.13%                          | 40%                         | 6.23%                 | 5                               |
| Nov 2015 . . . . . | 68,000                  | 29.58                 | 7.37                         | 2.32                           | 40                          | 4.73                  | 6                               |
| Jan 2016 . . . . . | 5,000                   | 27.77                 | 6.56                         | 2.00                           | 40                          | 5.04                  | 6                               |
| May 2016 . . . . . | 40,000                  | 31.33                 | 7.57                         | 1.74                           | 40                          | 4.47                  | 5                               |
| Sep 2016 . . . . . | 20,000                  | 28.48                 | 4.28 – 4.83                  | 1.21 – 1.50                    | 29 – 31                     | 4.92                  | 5 to 7                          |
| May 2017 . . . . . | 40,000                  | 19.95                 | 3.40                         | 1.81                           | 32                          | 5.26                  | 5                               |
| Jul 2017 . . . . . | 76,500                  | 12.22                 | 2.31                         | 1.94 – 2.08                    | 33.7 – 33.9                 | 5.12 – 5.15           | 5 to 6                          |

In 2016, 4,000 of time-based options were forfeited when an employee left the Company. In 2015, 3,750 of time-based options granted in 2005 expired unexercised.

*Stock options with market-based vesting conditions*

The Company uses a Monte Carlo option valuation model to estimate the grant date fair value of stock options issued with market-based vesting conditions, as these options include a market condition. Option valuation models require the input of highly subjective assumptions including the expected stock price volatility, dividend yield and expected life of the option. Estimated volatility is calculated based on a mix of historical and implied volatility during the expected life of the options. Historical volatility is considered since the Company's initial public offering and implied volatility is based on the publicly traded options of a three-company peer group within the paper industry. The Company's dividend yield assumption is based on the Company's average historical dividend yield and current dividend yield as of the grant date. Expected life is calculated based on the average of the service period and the contractual term of the option, using the simplified method for "plain vanilla" options. The Company expenses the cost of these options granted over the implicit, or derived, service period of the option based on the completed Monte Carlo models.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
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**Note 10 — Stock Incentives (Continued)**

During 2014 and 2015, the Board of Directors granted options to purchase 145,000 and 28,600 shares, respectively, of the Company's common stock to certain members of management. These options will become exercisable in four equal tranches, if at all, if and when the share price of the Company's common stock closes at or above a certain percentage of the purchase price of the option for three consecutive business days, in accordance with the following vesting schedule:

| Share price required to achieve vesting | 2014<br>options | 2015<br>options |
|-----------------------------------------|-----------------|-----------------|
| Tranche 1 . . . . .                     | \$34.79         | \$29.56         |
| Tranche 2 . . . . .                     | 42.35           | 36.00           |
| Tranche 3 . . . . .                     | 51.43           | 43.71           |
| Tranche 4 . . . . .                     | 60.50           | 51.43           |

Any unvested portion of the options shall expire five years from the date of grant and the options shall terminate ten years after the date of grant. The following table details the options granted to certain members of management that were valued using the Monte Carlo valuation model and the assumptions used in the valuation model for those grants during 2014 and 2015:

| Grant Date                   | Number<br>of Shares | Exercise<br>Price | Grant Date<br>Fair Value | Risk-Free<br>Interest Rate | Estimated<br>Volatility | Dividend<br>Yield | Expected<br>Life<br>(in years) | Derived<br>Service<br>Period<br>(in years) |
|------------------------------|---------------------|-------------------|--------------------------|----------------------------|-------------------------|-------------------|--------------------------------|--------------------------------------------|
| Jan 2014 – Tranche 1 . . . . | 10,000              | \$31.13           | \$5.64                   | 1.98%                      | 31%                     | 4.50%             | 5.15                           | 0.31                                       |
| Jan 2014 – Tranche 2 . . . . | 10,000              | 31.13             | 5.46                     | 1.98                       | 31                      | 4.50              | 5.58                           | 1.15                                       |
| Jan 2014 – Tranche 3 . . . . | 10,000              | 31.13             | 5.03                     | 1.98                       | 31                      | 4.50              | 5.97                           | 1.94                                       |
| Jan 2014 – Tranche 4 . . . . | 10,000              | 31.13             | 4.27                     | 1.98                       | 31                      | 4.50              | 6.25                           | 2.50                                       |
| Feb 2014 – Tranche 1 . . . . | 25,000              | 30.88             | 5.51                     | 1.98                       | 31                      | 4.60              | 5.17                           | 0.35                                       |
| Feb 2014 – Tranche 2 . . . . | 25,000              | 30.88             | 5.35                     | 1.98                       | 31                      | 4.60              | 5.60                           | 1.19                                       |
| Feb 2014 – Tranche 3 . . . . | 25,000              | 30.88             | 4.88                     | 1.98                       | 31                      | 4.60              | 5.99                           | 1.98                                       |
| Feb 2014 – Tranche 4 . . . . | 25,000              | 30.88             | 4.15                     | 1.98                       | 31                      | 4.60              | 6.27                           | 2.54                                       |
| May 2014 – Tranche 1 . . . . | 1,250               | 28.19             | 5.06                     | 2.03                       | 31                      | 4.70              | 5.36                           | 0.71                                       |
| May 2014 – Tranche 2 . . . . | 1,250               | 28.19             | 4.74                     | 2.03                       | 31                      | 4.70              | 5.78                           | 1.56                                       |
| May 2014 – Tranche 3 . . . . | 1,250               | 28.19             | 4.02                     | 2.03                       | 31                      | 4.70              | 6.14                           | 2.29                                       |
| May 2014 – Tranche 4 . . . . | 1,250               | 28.19             | 3.29                     | 2.03                       | 31                      | 4.70              | 6.39                           | 2.79                                       |
| Sep 2015 – Tranche 1 . . . . | 7,150               | 25.24             | 4.44                     | 1.82                       | 34                      | 5.20              | 5.20                           | 0.40                                       |
| Sep 2015 – Tranche 2 . . . . | 7,150               | 25.24             | 3.92                     | 1.82                       | 34                      | 5.20              | 5.51                           | 1.02                                       |
| Sep 2015 – Tranche 3 . . . . | 7,150               | 25.24             | 3.11                     | 1.82                       | 34                      | 5.20              | 5.77                           | 1.54                                       |
| Sep 2015 – Tranche 4 . . . . | 7,150               | 25.24             | 2.36                     | 1.82                       | 34                      | 5.20              | 5.93                           | 1.87                                       |

In 2015, Tranche 1 of the options granted in September 2015, or 7,150 options, vested when the share price of the Company's common stock closed above \$29.56 for three consecutive business days. In 2016, Tranche 1 of the options granted in January 2014, or 3,750 options, and Tranche 1 of the options granted in February 2014, or 18,750 options, vested when the share price of the Company's common stock closed above \$34.79 for three consecutive business days. Additionally, 1,875 options, 20,550 options and 30,000 options with market-based vesting conditions were forfeited when employees left the Company in 2017, 2016 and 2015, respectively.

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**Note 10 — Stock Incentives (Continued)**

*Stock options issued outside of the 2014 Plan*

In April 2014, the Company's stockholders voted to approve the options granted to Mr. Jeffrey S. Schoen, the Company's President and Chief Executive Officer, on November 8, 2013. Upon his appointment as an officer of the Company, Mr. Schoen was granted an option to purchase up to 400,000 shares of the common stock of the Company at a purchase price of \$30.25 per share. The option will become exercisable, if at all, if and when the share price of the Company's common stock closes at or above a certain percentage of the purchase price of the option for three consecutive business days, in accordance with the following vesting schedule:

| Share price closes at or above the following percentage of the option purchase price of \$30.25 | Number of shares<br>that become vested |
|-------------------------------------------------------------------------------------------------|----------------------------------------|
| 115% (share price \$34.79) . . . . .                                                            | 100,000                                |
| 140% (share price \$42.35) . . . . .                                                            | 100,000                                |
| 170% (share price \$51.43) . . . . .                                                            | 100,000                                |
| 200% (share price \$60.50) . . . . .                                                            | 100,000                                |

These options were granted outside of the 2005 Plan and the 2014 Plan. Any unvested portion of the option shall expire five years from the date of grant and the option shall terminate ten years after the date of grant. The Company used a Monte Carlo option valuation model to estimate the grant date fair value of each tranche of 100,000 options, as they include a market condition. Assumptions used in the valuation model were the same as those for the stock options with market-based vesting conditions issued to employees, which are noted above. The Company expenses the cost of these options granted over the implicit service period of the option based on the completed Monte Carlo models. The following table details the assumption used in the valuation model for the options granted to Mr. Schoen:

|                     | Number<br>of Shares | Exercise<br>Price | Grant Date<br>Fair Value | Risk-Free<br>Interest Rate | Estimated<br>Volatility | Dividend<br>Yield | Expected<br>Life<br>(in years) | Derived<br>Service<br>Period<br>(in years) |
|---------------------|---------------------|-------------------|--------------------------|----------------------------|-------------------------|-------------------|--------------------------------|--------------------------------------------|
| Tranche 1 . . . . . | 100,000             | \$30.25           | \$5.18                   | 2.10%                      | 30%                     | 4.60%             | 4.99                           | 0.40                                       |
| Tranche 2 . . . . . | 100,000             | \$30.25           | 5.04                     | 2.10                       | 30                      | 4.60              | 5.42                           | 1.25                                       |
| Tranche 3 . . . . . | 100,000             | \$30.25           | 4.31                     | 2.10                       | 30                      | 4.60              | 5.79                           | 2.00                                       |
| Tranche 4 . . . . . | 100,000             | \$30.25           | 3.50                     | 2.10                       | 30                      | 4.60              | 6.04                           | 2.50                                       |

In 2016, Tranche 1 of the options granted to Mr. Schoen, or 100,000 options, vested when the share price of the Company's common stock closed above \$34.79 for three consecutive business days.

*Total option expense*

The Company recognized the following expenses related to all options granted during 2017, 2016 and 2015 under the 2005 Plan, the 2014 Plan and the Schoen options:

|                                                               | Year ended December 31, |              |                |
|---------------------------------------------------------------|-------------------------|--------------|----------------|
|                                                               | 2017                    | 2016         | 2015           |
|                                                               | (In thousands)          |              |                |
| Time-based vesting options . . . . .                          | \$342                   | \$430        | \$ 298         |
| Market-based vesting options . . . . .                        | 68                      | 133          | 705            |
| Total compensation expense related to stock options . . . . . | <u>\$410</u>            | <u>\$563</u> | <u>\$1,003</u> |

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
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**Note 10 — Stock Incentives (Continued)**

*Summary of option activity*

The following tables summarize activity related to options granted under the 2005 Plan, the 2014 Plan and the Schoen options:

|                                         | <u>Number</u>   | <u>Weighted<br/>Average<br/>Exercise<br/>Price</u> | <u>Weighted<br/>Average<br/>Remaining<br/>Contractual<br/>Life</u> | <u>Weighted<br/>Average<br/>Grant<br/>Date<br/>Fair Value</u> | <u>Aggregate<br/>Intrinsic<br/>Value<br/>(in thousands)</u> |
|-----------------------------------------|-----------------|----------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|
| <b>Balance, December 31, 2014</b> ..... | 734,250         | \$27.06                                            |                                                                    |                                                               |                                                             |
| Granted .....                           | 136,600         | 26.59                                              |                                                                    | \$5.75                                                        |                                                             |
| Exercised .....                         | (11,250)        | 18.64                                              |                                                                    |                                                               | \$ 50                                                       |
| Forfeited/Expired .....                 | <u>(33,750)</u> | 27.78                                              |                                                                    |                                                               |                                                             |
| <b>Balance, December 31, 2015</b> ..... | 825,850         | 27.07                                              |                                                                    |                                                               |                                                             |
| Granted .....                           | 65,000          | 30.18                                              |                                                                    | \$6.56                                                        |                                                             |
| Exercised .....                         | (28,000)        | 11.22                                              |                                                                    |                                                               | \$606                                                       |
| Forfeited .....                         | <u>(24,550)</u> | 30.25                                              |                                                                    |                                                               |                                                             |
| <b>Balance, December 31, 2016</b> ..... | 838,300         | 27.74                                              |                                                                    |                                                               |                                                             |
| Granted .....                           | 116,500         | 14.87                                              |                                                                    | \$2.69                                                        |                                                             |
| Exercised .....                         | (13,500)        | 9.91                                               |                                                                    |                                                               | \$169                                                       |
| Forfeited .....                         | <u>(1,875)</u>  | 25.24                                              |                                                                    |                                                               |                                                             |
| <b>Balance, December 31, 2017</b> ..... | <u>939,425</u>  | 26.41                                              | 6.72 years                                                         |                                                               | \$ 48                                                       |
| Exercisable at December 31, 2017 .....  | 481,705         | \$24.88                                            | 6.61 years                                                         |                                                               | \$ 18                                                       |

The following table summarizes options outstanding and exercisable under the 2005 Plan, the 2014 Plan and the Schoen options as of December 31, 2017:

| <u>Exercise price range</u> | <u>Options Outstanding</u> |                                                    |                                                                    | <u>Options Exercisable</u> |                                                    |
|-----------------------------|----------------------------|----------------------------------------------------|--------------------------------------------------------------------|----------------------------|----------------------------------------------------|
|                             | <u>Number</u>              | <u>Weighted<br/>Average<br/>Exercise<br/>Price</u> | <u>Weighted<br/>Average<br/>Remaining<br/>Contractual<br/>Life</u> | <u>Number</u>              | <u>Weighted<br/>Average<br/>Exercise<br/>Price</u> |
| \$11.95 – \$17.85 .....     | 151,500                    | \$14.30                                            | 6.34 years                                                         | 100,505                    | \$15.35                                            |
| \$19.95 – \$29.65 .....     | 271,675                    | \$25.53                                            | 7.53 years                                                         | 213,700                    | \$24.88                                            |
| \$30.09 – \$31.33 .....     | <u>516,250</u>             | \$30.43                                            | 6.40 years                                                         | <u>167,500</u>             | \$30.59                                            |
|                             | <u>939,425</u>             |                                                    |                                                                    | <u>481,705</u>             |                                                    |

The following table summarizes information about stock option vesting during the years ended December 31:

|            | <u>Stock Options</u>              |                                      |
|------------|-----------------------------------|--------------------------------------|
|            | <u>Vested During<br/>the Year</u> | <u>Fair Value<br/>(in thousands)</u> |
| 2017 ..... | 101,855                           | \$ 412                               |
| 2016 ..... | 180,100                           | 1,062                                |
| 2015 ..... | 61,750                            | 321                                  |

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
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**Note 10 — Stock Incentives (Continued)**

As of December 31, 2017, there was \$0.3 million of unrecognized compensation expense related to non-vested stock options with a time-based vesting condition for options granted in 2017, 2016 and 2015. This cost is expected to be recognized on a straight-line basis over a weighted average period of 1.8 years.

During the years ended December 31, 2017, 2016 and 2015, the Company received \$0.1 million, \$0.3 million, and \$0.2 million, respectively, in proceeds from the exercise of stock options. Upon adoption of ASU 2016-09 on January 1, 2017, the Company began to recognize excess tax benefits related to stock option exercises in the provision for income taxes rather than paid-in capital. Prior to the adoption of ASU 2016-09, excess tax benefits related to stock option exercises were recorded to APIC pool when realized and were available to offset future tax deficiencies. The Company realized \$0.1 million, \$0.2 million, and an immaterial amount of tax benefits related to stock option exercises during the years ended December 31, 2017, 2016 and 2015, respectively. During 2016, the Company recognized excess tax benefits of \$0.2 million and in 2015 recognized an immaterial deficiency.

*Restricted stock*

In February 2013, the Company granted 16,000 shares of restricted stock to certain employees under the 2005 Plan. These awards were valued at the arithmetic mean of the high and low market price of the Company's stock on the grant date, which was \$21.695 per share, and vested ratably over a three-year period beginning on the first anniversary of the grant date and were fully vested in 2016. The Company expenses the cost of restricted stock granted over the vesting period of the shares based on the grant-date fair value of the award. The Company recognized expense of \$3,000 and \$44,000 during 2016 and 2015, respectively, related to the shares granted under the 2005 Plan. No shares of restricted stock were granted in the years ending December 31, 2017, 2016 or 2015. The following table summarizes information about restricted stock vesting during the years ended December 31:

|                | <b>Restricted Stock</b>           |                                      |
|----------------|-----------------------------------|--------------------------------------|
|                | <b>Vested During<br/>the Year</b> | <b>Fair Value<br/>(in thousands)</b> |
| 2016 . . . . . | 2,000                             | 53                                   |
| 2015 . . . . . | 2,333                             | 63                                   |

**Note 11 — Major Customers and Concentration of Credit Risk**

*Major customers*

The Company sells its paper production in the form of parent rolls and converted products. Revenues from converted product sales and parent roll sales in the years ended December 31, 2017, 2016 and 2015 were:

|                                       | <b>Year ended December 31,</b> |                  |                  |
|---------------------------------------|--------------------------------|------------------|------------------|
|                                       | <b>2017</b>                    | <b>2016</b>      | <b>2015</b>      |
|                                       | <b>(In thousands)</b>          |                  |                  |
| Converted product net sales . . . . . | \$150,106                      | \$158,102        | \$161,052        |
| Parent roll net sales . . . . .       | 12,378                         | 6,392            | 7,394            |
| Total net sales . . . . .             | <u>\$162,484</u>               | <u>\$164,494</u> | <u>\$168,446</u> |

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
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**Note 11 — Major Customers and Concentration of Credit Risk (Continued)**

Credit risk for the Company was concentrated in the following customers who each comprised more than 10% of the Company's total sales during the years ended December 31, 2017, 2016 and 2015:

|                                        | <u>2017</u> | <u>2016</u> | <u>2015</u> |
|----------------------------------------|-------------|-------------|-------------|
| Converted product customer 1 . . . . . | 29%         | 36%         | 34%         |
| Converted product customer 2 . . . . . | *           | *           | 15          |
| Converted product customer 3 . . . . . | 15          | 14          | 12          |
| Converted product customer 4 . . . . . | 18          | *           | *           |
| Total percent of net sales . . . . .   | <u>62%</u>  | <u>50%</u>  | <u>61%</u>  |

\* Customer did not account for more than 10% of sales during the period indicated.

At December 31, 2017 and 2016, the significant customers accounted for the following amounts of the Company's accounts receivable (in thousands):

|                                        | <u>2017</u>    |            | <u>2016</u>    |            |
|----------------------------------------|----------------|------------|----------------|------------|
| Converted product customer 1 . . . . . | \$4,001        | 32%        | \$3,703        | 41%        |
| Converted product customer 2 . . . . . | *              | *          | *              | *          |
| Converted product customer 3 . . . . . | *              | *          | *              | *          |
| Converted product customer 4 . . . . . | 4,105          | 33         | *              | *          |
| Total of accounts receivable . . . . . | <u>\$8,106</u> | <u>65%</u> | <u>\$3,703</u> | <u>41%</u> |

\* Customer did not account for more than 10% of accounts receivable during the period indicated.

No other customers of the Company accounted for more than 10% of sales during these periods. The Company generally does not require collateral from its customers and has not incurred any significant losses on uncollectible accounts receivable.

*Paper supply agreement*

On February 20, 2008, the Company signed an exclusive supply agreement with Dixie Pulp and Paper, Inc. to supply all of its recycled fiber needs. This agreement was effective beginning April 1, 2008 and carried an initial five-year term through April 1, 2013. However, the agreement automatically renews for successive one-year periods unless either party gives 90 days' notice. As of the date of this report, the Company has not received notice of intention not to renew the agreement nor has the Company provided such a notice to the counterparty, and the agreement is in effect.

*Cash in excess of insured limits*

Much of the Company's cash is maintained at financial institutions, which are insured by the Federal Deposit Insurance Corporation ("FDIC") up to \$250,000 per depositor at each financial institution. At times, balances may exceed these federally insured limits or may be contained in foreign bank accounts, which are not insured by the FDIC. The Company has never experienced any losses related to these accounts. At December 31, 2017, the Company had approximately \$1.9 million of non-interest bearing cash balances in excess of federally insured limits. Additionally, \$1.7 million of the Company's cash was in bank accounts in Mexico, which are not insured by the FDIC.

## ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES

### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

December 31, 2017, 2016 and 2015

#### **Note 12 — “At the Market” Stock Offering Program**

In May 2017, the Company established an “at the market” stock offering program (“ATM Program”) through which it may, from time to time, issue and sell shares of its common stock having an aggregate gross sales price of up to \$40.0 million through its sales agent. Sales of the shares of common stock may be made on the NYSE American stock exchange at market prices and such other sales as agreed upon by us and the sales agent. The Company intends to use the net proceeds from sales under the ATM Program for general corporate purposes, which may include, among other things, repayment of debt; strategic investments and acquisitions; capital expenditures; or for other working capital requirements. During the year ended December 31, 2017, 359,957 shares of common stock were sold under the ATM Program at a weighted average price of \$14.71, generating net proceeds of \$5.0 million after giving effect to \$0.3 million in sales agent commissions and other stock issuance costs. As of December 31, 2017, \$34.7 million of common stock remained available for issuance under the ATM Program.

#### **Note 13 — New Market Tax Credit**

In December 2015, the Company received approximately \$5.1 million in net proceeds from financing agreements related to capital expenditures at its Barnwell, South Carolina facility. This financing arrangement was structured with a third party financial institution (the “NMTC Investor”) associated with U.S. Bank, an investment fund, and two community development entities (the “CDEs”) majority owned by the investment fund. This transaction was designed to qualify under the federal NMTC program, pursuant to Section 45D of the Internal Revenue Code of 1986, as amended. Through this transaction, the Company has secured low interest financing and the potential for future debt forgiveness related to the South Carolina facility. Upon closing of the NMTC transaction, the Company provided an aggregate of approximately \$11.1 million, which was borrowed from U.S. Bank, to the investment fund, in the form of a loan receivable, with a term of 25 years, bearing an interest rate of 1.0% per annum. This \$11.1 million in proceeds plus \$5.1 million of net capital from the NMTC Investor were contributed to and used by the CDEs to make loans in the aggregate of \$16.2 million to a subsidiary of the Company, Orchids Lessor SC, LLC (“Orchids Lessor”). These loans bear interest at a fixed rate of 1.275%. Orchids Lessor used the loan proceeds to partially fund \$18.0 million of the Company’s capital assets associated with the Barnwell facility. These capital assets will serve as collateral to the financing arrangement. This transaction also includes a put/call feature whereby, at the end of a seven-year compliance period, we may be obligated or entitled to repurchase the NMTC Investor’s interest in the investment fund. The value attributable to the put price is nominal. Consequently, if exercised, the put could result in the forgiveness of the NMTC Investor’s interest in the investment fund, and result in a net non-operating gain of up to \$5.1 million. The call price will be valued at the net present value of the cash flows of the lease inherent in the transaction.

The NMTC Investor is subject to 100% recapture of the New Market Tax Credits it receives for a period of seven years as provided in the Internal Revenue Code and applicable U.S. Treasury regulations. The Company is required to comply with various regulations and contractual provisions that apply to the New Market Tax Credit arrangement. Noncompliance with applicable requirements could result in the NMTC Investor’s projected tax benefits not being realized and, therefore, require the Company to indemnify the NMTC Investor for any loss or recapture of New Market Tax Credits related to the financing until the recapture provisions have expired under the applicable statute of limitations. The Company does not anticipate any credit recapture will be required in connection with this financing arrangement.

The investment fund and the community development entities are considered Variable Interest Entities (VIEs) and the Company is the primary beneficiary of the VIEs. This conclusion was reached based on the following:

- The ongoing activities of the VIEs — collecting and remitting interest and fees and NMTC compliance — were all considered in the initial design and are not expected to significantly affect performance throughout the life of the VIE;

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 13 — New Market Tax Credit (Continued)**

- Contractual arrangements obligate the Company to comply with NMTC rules and regulations and provide various other guarantees to the NMTC Investor and community development entities;
- The NMTC Investor lacks a material interest in the underling economics of the project; and
- The Company is obligated to absorb losses of the VIEs.

Because the Company is the primary beneficiary of the VIEs, they have been included in the consolidated financial statements. There are no other assets, liabilities or transactions in these VIEs outside of the financing transactions executed as part of the NMTC transaction.

At December 31, 2017 and 2016, the NMTC Investor's interest of \$5.2 million is recorded in other long-term liabilities on the consolidated balance sheet. At December 31, 2017 and 2016, the outstanding balance of the amount borrowed from U.S. Bank to loan to the investment fund was \$10.0 million and \$10.6 million, respectively, and approximately \$0.5 million and \$0.6 million, respectively, of unamortized debt issuance costs related to the above transactions are being amortized over the life of the agreements. As of December 31, 2017, all proceeds from the arrangement have been utilized to fund capital assets associated with the Barnwell facility. At December 31, 2016, unspent proceeds from the arrangement of approximately \$1.3 million were obligated for funding the specified capital assets at the Barnwell facility and were included in restricted cash.

**Note 14 — ODFA Pooled Financing**

In September 2014, the Company entered into an agreement with the Oklahoma Development Finance Authority ("ODFA") whereby the ODFA agreed to provide the Company up to \$3.5 million to fund a portion of the cost of a new paper production line before September 1, 2020. The agreement provides for the Oklahoma state withholding payroll taxes withheld by the Company from its employees to be placed into the Community Economic Development Pooled Finance Revolving Fund — Orchids Paper Products ("Revolving Fund"). Each year on September 1, beginning in 2015 and ending in 2020, the ODFA will return these state withholding taxes in the Revolving Fund to the Company, up to an amount totaling \$3.5 million. These amounts are recognized as a note receivable in other current assets in the consolidated balance sheet and in other income in the consolidated statements of income as they are withheld from employees.

As of December 31, 2017 and 2016, the Company had a note receivable of \$0.2 million and \$0.5 million, respectively, related to amounts due under the ODFA pooled financing agreement. The Company recognized other income of \$0.5 million, \$0.7 million and \$0.7 million in 2017, 2016 and 2015, respectively, related to this agreement.

**Note 15 — Employee Incentive Bonus and Retirement Plans**

The Company sponsors three separate defined contribution plans covering substantially all employees. Company contributions are based on either a percentage of participant contributions or as required by collective bargaining agreements. Participants immediately vest in Company contributions to each of the three plans. Contribution expense recognized by the Company was \$1.0 million, \$1.0 million, and \$0.6 million, for the years ended December 31, 2017, 2016 and 2015, respectively.

**ORCHIDS PAPER PRODUCTS COMPANY AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**  
**December 31, 2017, 2016 and 2015**

**Note 16 — Selected Quarterly Financial Data (Unaudited)**

|                                        | 2017                                  |                   |                  |                   |
|----------------------------------------|---------------------------------------|-------------------|------------------|-------------------|
|                                        | First<br>Quarter                      | Second<br>Quarter | Third<br>Quarter | Fourth<br>Quarter |
|                                        | (In thousands, except per share data) |                   |                  |                   |
| Sales                                  | \$35,354                              | \$38,443          | \$45,172         | \$43,515          |
| Gross profit                           | 1,969                                 | 1,514             | 2,740            | 2,503             |
| Operating loss                         | (883)                                 | (2,008)           | (519)            | (507)             |
| Net income (loss)                      | (860)                                 | (2,047)           | 705              | 8,876             |
| Basic income (loss) per common share   | \$ (0.08)                             | \$ (0.20)         | \$ 0.07          | \$ 0.85           |
| Diluted income (loss) per common share | (0.08)                                | (0.20)            | 0.07             | 0.85              |
| Dividends per share                    | 0.35                                  | —                 | —                | —                 |
| Price per common share                 |                                       |                   |                  |                   |
| High                                   | \$ 29.93                              | \$ 25.51          | \$ 14.26         | \$ 14.69          |
| Low                                    | 23.71                                 | 11.55             | 8.80             | 11.85             |

|                                 | 2016                                  |                   |                  |                   |
|---------------------------------|---------------------------------------|-------------------|------------------|-------------------|
|                                 | First<br>Quarter                      | Second<br>Quarter | Third<br>Quarter | Fourth<br>Quarter |
|                                 | (In thousands, except per share data) |                   |                  |                   |
| Sales                           | \$47,743                              | \$39,414          | \$39,628         | \$37,709          |
| Gross profit                    | 11,381                                | 6,873             | 6,215            | 5,680             |
| Operating income                | 8,282                                 | 3,993             | 3,425            | 2,986             |
| Net income                      | 5,409                                 | 2,568             | 2,213            | 2,621             |
| Basic income per common share   | \$ 0.53                               | \$ 0.25           | \$ 0.21          | \$ 0.25           |
| Diluted income per common share | 0.52                                  | 0.25              | 0.21             | 0.25              |
| Dividends per share             | 0.35                                  | 0.35              | 0.35             | 0.35              |
| Price per common share          |                                       |                   |                  |                   |
| High                            | \$ 30.54                              | \$ 35.61          | \$ 36.01         | \$ 27.99          |
| Low                             | 24.80                                 | 27.01             | 26.89            | 23.35             |

**Note 17 — Follow-On Stock Offering and Registration of Securities**

In April 2015, the Company completed an underwritten public follow-on offering of 1,500,000 shares of its common stock at \$23.00 per share. The underwriters were granted an option to purchase up to an additional 225,000 shares for a period of 30 days, which was not exercised. Net proceeds to the Company were \$32.1 million, after giving effect to expenses incurred related to the offering.

On September 16, 2015, the Company's shelf Registration Statement on Form S-3 (the "Registration Statement") was declared effective by the Securities and Exchange Commission. Pursuant to the Registration Statement, the Company, from time to time, may sell common stock, warrants or units comprised of the other securities described in the Registration Statement, in a single or multiple offerings up to a total dollar amount of \$50 million, at prices and terms that will be determined at the time of the offering.

The Company's willingness and ability to raise capital pursuant to the Registration Statement will depend upon a number of circumstances, including, without limitation, the Company's need for additional capital to fund operations, organic growth or acquisitions, the Company's financial and operating performance and the receptiveness of the capital markets to potential offerings by the Company. As of the date of this report, the Company does not have any agreements with respect to the issuance of securities pursuant to the Registration Statement.

**Item 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE**

None.

**Item 9A. CONTROLS AND PROCEDURES**

*(a) Evaluation of Disclosure Controls and Procedures:*

We maintain “disclosure controls and procedures,” as such term is defined in Rule 13a-15(e) under the Securities Exchange Act of 1934 (the “Exchange Act”), that are designed to ensure that information required to be disclosed in reports we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in Securities and Exchange Commission rules and forms, and that such information is collected and communicated to management, including our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure. In designing and evaluating our disclosure controls and procedures, management recognizes that no matter how well conceived and operated, disclosure controls and procedures can provide only reasonable, not absolute, assurance that the objectives of the disclosure controls and procedures are met. Our disclosure controls and procedures have been designed, and management believes that they meet, reasonable assurance standards. Based on their evaluation as of the end of the period covered by this Annual Report on Form 10-K, the Chief Executive Officer and the Chief Financial Officer have concluded that, subject to the limitations noted above, our disclosure controls and procedures were effective.

*(b) Management’s Report on Internal Control Over Financial Reporting*

The management of Orchids Paper Products Company is responsible for establishing and maintaining adequate internal control over financial reporting. Our internal control system was designed to provide reasonable assurance to our management and board of directors regarding the preparation and fair presentation of published financial statements.

All internal control systems, no matter how well designed, have inherent limitations. Therefore, even those systems determined to be effective can provide only reasonable assurance with respect to financial statement preparation and presentation.

Our management assessed the effectiveness of our internal control over financial reporting as of December 31, 2017. In making this assessment, we used the criteria set forth in *Internal Control — Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in 2013. Based on our assessment under the 2013 COSO framework, we believe that, as of December 31, 2017, the Company’s internal control over financial reporting was effective based on those criteria.

The effectiveness of our internal control over financial reporting as of December 31, 2017 has been audited by HoganTaylor LLP, an independent registered public accounting firm, as stated in their report which is included in this Form 10-K.

*(c) Changes in Internal Control Over Financial Reporting*

As of the quarter ended December 31, 2017, there were no changes in our internal control over financial reporting (as defined in Rule 13a-15(f) under the Exchange Act) that have materially affected, or are reasonably likely to affect, our internal control over financial reporting.

**Item 9B. OTHER INFORMATION**

None.

## PART III

### Item 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

Information concerning our directors is contained in our Proxy Statement to be issued in connection with our 2018 Annual Meeting of Stockholders under the caption “ELECTION OF DIRECTORS,” which information is incorporated herein by reference.

Information concerning our executive officers is contained in this report under Item 1, “BUSINESS — Executive Officers and Key Employees,” which information is incorporated herein by reference.

The information required by Item 405 of Regulation S-K is contained in our Proxy Statement to be issued in connection with our 2018 Annual Meeting of Stockholders under the caption “Section 16(a) Beneficial Ownership Reporting Compliance.”

Our Board of Directors adopted a Business Conduct and Ethics Policy for all of our directors, officers and employees effective June 22, 2005, and updated the policy during 2017. We have posted our Business Conduct and Ethics Policy on our website ([www.orchidspaper.com](http://www.orchidspaper.com)). In addition, stockholders may request a free copy of our Business Conduct and Ethics Policy from our Chief Financial Officer as follows:

Orchids Paper Products Company  
Attention: Rodney D. Gloss  
201 Summit View Drive, Ste. 110  
Brentwood, TN 37027  
(803) 450-1026

To the extent required by law or the rules of the NYSE American, any amendments to, or waivers from, any provision of the Business Conduct and Ethics Policy will be promptly disclosed publicly. To the extent permitted by such requirements, we intend to make such public disclosure by posting the relevant material on our website in accordance with SEC rules.

### Item 11. EXECUTIVE COMPENSATION

#### CEO Pay Ratio

As required by the Dodd-Frank Wall Street Reform and Consumer Protection Act, and Item 402(u) of Regulation S-K, we are providing the following information about the relationship of the annual total compensation of our median employee and the annual total compensation of Jeffrey Schoen, our Chief Executive Officer (our “CEO”).

For 2017, our last completed fiscal year:

- The median of the annual total compensation of all employees of the Company (other than the CEO) was \$43,363.
- The annual total compensation of our CEO was \$480,186.
- Based on this information, for 2017 the ratio of the annual total compensation of our CEO to the median of the annual total compensation of all employees was reasonably estimated to be 11 to 1.

To identify the median of the annual total compensation of all the Company’s employees, as well as to determine the annual total compensation of our median employee and our CEO, we took the following steps:

- We determined that, as of December 31, 2017, our employee population consisted of approximately 472 individuals with all of these individuals located in the United States. This population consisted of our full-time, part-time, and temporary employees, as we do not have seasonal workers.

- We identified our median employee by comparing the amount of salary or wages (including base salary, bonus payments, the value of realized equity awards, paid commissions, and taxable fringe benefits) reflected in our payroll records as reported to the Internal Revenue Service on Form W-2 for 2017. We did not annualize wages and salaries for employees who were not employed for all of 2017.
- After we identified our median employee, we calculated the median employee's annual total compensation using the same methodology that we used to determine our CEO's total compensation for the Summary Compensation Table included annually in our Proxy Statement, resulting in annual total compensation of \$43,363.

The pay ratio is a reasonable estimate calculated in a manner consistent with SEC rules. The SEC rules for identifying the median employee, and calculating the pay ratio based on that employee's annual total compensation, allow companies to adopt a variety of methodologies, to apply certain exclusions, and to make reasonable estimates and assumptions that reflect their compensation practices. As such, the pay ratio reported by other companies may not be comparable, as other companies may have different employment and compensation practices and may utilize different methodologies, exclusions, estimates and assumptions in calculating their own pay ratios.

Additional information concerning executive compensation is contained in our Proxy Statement to be issued in connection with our 2018 Annual Meeting of Stockholders under the caption "EXECUTIVE COMPENSATION," which information is incorporated herein by reference.

## **Item 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS**

Information concerning security ownership of certain beneficial owners and management is contained in the Company's Proxy Statement to be issued in connection with our 2018 Annual Meeting of Stockholders under the caption "ELECTION OF DIRECTORS" and "SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS," which information is incorporated herein by reference.

### *Securities Authorized for Issuance Under Equity Compensation Plan*

The following is provided with respect to compensation plans (including individual compensation arrangements) under which equity securities are authorized for issuance as of December 31, 2017:

| <b>Plan Category</b>                                                 | <b>Number of securities to be issued upon exercise of outstanding options, warrants and rights<br/>(a)</b> | <b>Weighted-average exercise price of outstanding options, warrants and rights<br/>(b)</b> | <b>Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))<br/>(c)</b> |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equity compensation plans approved by security holders . . . . .     | 939,425                                                                                                    | \$26.41                                                                                    | 49,575                                                                                                                                                     |
| Equity compensation plans not approved by security holders . . . . . | —                                                                                                          |                                                                                            | —                                                                                                                                                          |
| Total . . . . .                                                      | <u>939,425</u>                                                                                             |                                                                                            | <u>49,575</u>                                                                                                                                              |

## **Item 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE**

Information concerning certain relationships and related transactions is contained in our Proxy Statement to be issued in connection with our 2018 Annual Meeting of Stockholders under the captions "AGREEMENTS WITH NAMED EXECUTIVE OFFICERS" and "CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS," which information is incorporated herein by reference.

**Item 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES**

Information concerning accountant fees and services is contained in our Proxy Statement to be issued in connection with our 2018 Annual Meeting of Stockholders under the caption “FEES PAID TO INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM,” which information is incorporated herein by reference.

**PART IV****Item 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES****(a)(1) Financial Statements**

The information required by this item is included in Item 8 of Part II of this report.

**(a)(2) Financial Statement Schedules**

Schedule II — Valuation and Qualifying Accounts is included below. The rest of the schedules required by this item have been omitted as they are not required, not applicable or are included in Item 8 of Part II of this report.

**Orchids Paper Products Company and Subsidiaries**  
**Schedule II — Valuation and Qualifying Accounts**  
**Years ended December 31, 2015, 2016 and 2017**

|                                       | <u>Balance at<br/>Beginning of<br/>Period</u> | <u>Charged<br/>(Credited)<br/>to Costs and<br/>Expenses</u> | <u>Charge-off<br/>Against<br/>Allowances<sup>(1)(2)</sup></u> | <u>Balance at<br/>End of Period</u> |
|---------------------------------------|-----------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|
|                                       | (In thousands)                                |                                                             |                                                               |                                     |
| <b>Accounts Receivable Reserve:</b>   |                                               |                                                             |                                                               |                                     |
| Year ended December 31, 2015          |                                               |                                                             |                                                               |                                     |
| Bad Debt Reserve . . . . .            | \$155                                         | \$ —                                                        | \$ —                                                          | \$155                               |
| Year ended December 31, 2016          |                                               |                                                             |                                                               |                                     |
| Bad Debt Reserve . . . . .            | 155                                           | (125)                                                       | —                                                             | 30                                  |
| Year ended December 31, 2017          |                                               |                                                             |                                                               |                                     |
| Bad Debt Reserve . . . . .            | 30                                            | 353                                                         | 30                                                            | 353                                 |
| <b>Inventory Valuation Reserve:</b>   |                                               |                                                             |                                                               |                                     |
| Year ended December 31, 2015          |                                               |                                                             |                                                               |                                     |
| Inventory Valuation Reserve . . . . . | 198                                           | 239                                                         | 296                                                           | 141                                 |
| Year ended December 31, 2016          |                                               |                                                             |                                                               |                                     |
| Inventory Valuation Reserve . . . . . | 141                                           | 434                                                         | 510                                                           | 65                                  |
| Year ended December 31, 2017          |                                               |                                                             |                                                               |                                     |
| Inventory Valuation Reserve . . . . . | 65                                            | 365                                                         | 301                                                           | 129                                 |

(1) Write-off of uncollectible accounts, net of recoveries.

(2) Write-off of obsolete inventory and physical inventory adjustments.

**Item 16. FORM 10-K SUMMARY**

None.

## 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.

### ORCHIDS PAPER PRODUCTS COMPANY

By: /s/ JEFFREY S. SCHOEN  
Jeffrey S. Schoen  
*Chief Executive Officer*

Date: March 16, 2018

By: /s/ RODNEY D. GLOSS  
Rodney D. Gloss  
*Chief Financial Officer*

## POWER OF ATTORNEY

Each person whose signature appears below hereby constitutes and appoints Jeffrey S. Schoen and Rodney D. Gloss, and each of them, his or her true and lawful attorneys-in-fact and agents, with full power of substitution, to sign any amendments to this Annual Report on Form 10-K and to file such amendments and any related documents with the Securities and Exchange Commission, and ratifies and confirms the actions that any such attorney-in-fact and agents, or their substitutes, may lawfully do or cause to be done under this power of attorney.

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 and on the dates indicated.

| Signature                                               | Title                                                                      | Date           |
|---------------------------------------------------------|----------------------------------------------------------------------------|----------------|
| <u>/s/ STEVEN BERLIN</u><br>Steven Berlin               | Chairman of the Board of Directors                                         | March 16, 2018 |
| <u>/s/ JEFFREY S. SCHOEN</u><br>Jeffrey S. Schoen       | Chief Executive Officer<br>(Principal Executive Officer)<br>and Director   | March 16, 2018 |
| <u>/s/ JOHN G. GUTTILLA</u><br>John G. Guttilla         | Director                                                                   | March 16, 2018 |
| <u>/s/ DOUGLAS E. HAILEY</u><br>Douglas E. Hailey       | Director                                                                   | March 16, 2018 |
| <u>/s/ ELAINE MACDONALD</u><br>Elaine MacDonald         | Director                                                                   | March 16, 2018 |
| <u>/s/ MARK H. RAVICH</u><br>Mark H. Ravich             | Director                                                                   | March 16, 2018 |
| <u>/s/ MARIO ARMANDO GARCIA</u><br>Mario Armando Garcia | Director                                                                   | March 16, 2018 |
| <u>/s/ RODNEY D. GLOSS</u><br>Rodney D. Gloss           | Chief Financial Officer<br>(Principal Financial and<br>Accounting Officer) | March 16, 2018 |

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**Directors Standing for Election to the  
Orchids Paper Products Company  
Board of Directors**

**Steven R. Berlin**

Retired, formerly Vice-President and  
Chief Financial Officer  
Kaiser-Francis Oil Company

**Mario Armando Garcia**

President and Co-Founder,  
Fabrica de Papel San Francisco,  
S.A. de C.V.

**John C. Guttilla**

Partner, RotenbergMeril

**Douglas E. Hailey**

Managing Director, Investment Banking Division  
Taglich Brothers, Inc.

**Elaine MacDonald**

Senior Director  
Cerner Corporation

**Mark H. Ravich**

Founder,  
Tri-Star Management, Inc.

**Corporate Management**

**Jeffrey S. Schoen**

President and Chief Executive Officer

**Rodney D. Gloss**

Chief Financial Officer

**Stockholder Reference Information**

**Stock Transfer and Registrar**

American Stock Transfer & Trust Company  
6201 15<sup>th</sup> Avenue  
Brooklyn, NY 11219  
800-937-5449  
[www.amstock.com](http://www.amstock.com)

**Investor Relations inquiries should be directed to  
Orchids Paper Products Company**

Attn: Louie Toma  
E-mail: [louie.toma@watersedgeir.com](mailto:louie.toma@watersedgeir.com)  
774-291-6000  
[www.orchidspaper.com](http://www.orchidspaper.com)

**Common Stock**

Orchids Paper Products Company's common stock  
is listed on the New York Stock Exchange MKT  
under the symbol "TIS".

**Annual Meeting of Stockholders**

The annual meeting will be held on April 30, 2018.  
A notice of the meeting, together with a form of  
Proxy and a Proxy Statement, will be mailed to  
stockholders on or about March 20, 2018, at which  
time proxies will be solicited by the Board of  
Directors.

**Availability of Proxy Statement and Form 10-K**

The Proxy Statement and the Form 10-K are  
available on the Internet at [www.orchidspaper.com](http://www.orchidspaper.com).  
A copy of the Proxy Statement and/or Form 10-K  
may be obtained without charge by contacting the  
Investor Relations contact listed above.

**Independent Registered Public Accounting Firm**

HoganTaylor LLP  
2222 S Utica Place, Suite 200  
Tulsa, OK 74114

**Non-Incorporated of Form 10-K Wrap**

Orchids Paper Products Company's 2015 Form  
10-K, as filed with the SEC, is included within this  
Annual Report. Other than the Form 10-K, all other  
portions of this Annual Report are not "filed" with  
the SEC and should not be deemed so.

**Certifications**

The most recent certifications by our Chief  
Executive Officer and Chief Financial Officer  
pursuant to Sections 302 and 906 of the  
Sarbanes-Oxley Act of 2002 are filed as exhibits to  
our Form 10-K.



**Orchids Paper Products Company**  
**4826 Hunt Street**  
**Pryor, OK 74361**  
**(918) 825-0616**  
**[www.orchidspaper.com](http://www.orchidspaper.com)**