UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-3 REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

PURECYCLE TECHNOLOGIES, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization) 86-2293091 (I.R.S. Employer Identification No.)

20 North Orange Avenue Suite 106

Orlando, Florida 32801 (877) 648-3565

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Dustin Olson PureCycle Technologies, Inc. 20 North Orange Avenue Suite 106 Orlando, Florida 32801 (877) 648-3565

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

Joel T. May Jeremy Cleveland Jones Day 1221 Peachtree Street, N.E. Suite 400 Atlanta, Georgia 30309-3053 Phone: (404) 521-3939

Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this Registration Statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box. 🗆

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

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

Large accelerated filer ⊠ Non-accelerated filer □ Accelerated filer

Smaller reporting company \Box

Emerging growth company \Box

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 7(a)(2)(B) of the Securities Act.

PROSPECTUS



PURECYCLE TECHNOLOGIES, INC.

Common Stock Preferred Stock Warrants Rights Stock Purchase Contracts Stock Purchase Units Units

We or selling securityholders to be named in a prospectus supplement may from time to time issue, in one or more offerings, any combination of the securities described in this prospectus.

Each time we or selling securityholders offer and sell securities registered under this prospectus, we will provide the specific terms of the offering in a supplement to this prospectus. We may also authorize one or more free writing prospectuses to be provided to you in connection with such offerings. The prospectus supplement and any related free writing prospectus may add, update or change information contained in this prospectus. You should carefully read this prospectus, the applicable prospectus supplement and any related free writing prospectus before you invest in any of our securities.

We or selling securityholders may offer and sell securities registered under this prospectus and any prospectus supplement directly or to or through underwriters or dealers, and also to other purchasers or through agents. The names of any underwriters or agents that are included in a sale of any of our securities to you, and any applicable commissions or discounts, will be stated in a prospectus supplement.

Our common stock, publicly traded warrants and publicly traded units are listed on the Nasdaq Capital Market under the symbols "PCT," "PCTTW" and "PCTTU," respectively.

Investing in our securities involves risks. Please read carefully the section entitled "<u>Risk Factors</u>" beginning on page 5 of this prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is January 31, 2025.

TABLE OF CONTENTS

	Page
ABOUT THIS PROSPECTUS	1
WHERE YOU CAN FIND MORE INFORMATION	1
INFORMATION WE INCORPORATE BY REFERENCE	2
PURECYCLE TECHNOLOGIES, INC.	3
CORPORATE INFORMATION	4
<u>RISK FACTORS</u>	5
CAUTIONARY STATEMENT ON FORWARD-LOOKING STATEMENTS	6
USE OF PROCEEDS	8
DESCRIPTION OF CAPITAL STOCK	9
DESCRIPTION OF WARRANTS	19
DESCRIPTION OF RIGHTS	20
DESCRIPTION OF STOCK PURCHASE CONTRACTS AND STOCK PURCHASE UNITS	21
DESCRIPTION OF UNITS	22
<u>CERTAIN U.S. FEDERAL INCOME TAX CONSEQUENCES</u>	23
FORMS OF SECURITIES	24
SELLING SECURITYHOLDERS	26
PLAN OF DISTRIBUTION	27
LEGAL MATTERS	30
EXPERTS	30

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we are filing with the Securities and Exchange Commission, or the "SEC," using a "shelf" registration process. Under this shelf process, we or selling securityholders may sell at any time and from time to time, in one or more offerings, any combination of the securities registered under this prospectus.

This prospectus provides you with a general description of the securities that may be offered. Each time we or selling securityholders sell securities registered under this process, we will provide a prospectus supplement that will contain specific information about the terms of the offering of such securities. We may also authorize one or more free writing prospectuses to be provided to you in connection with such offerings. For a more complete understanding of the offering of our securities, you should refer to the registration statement, including its exhibits. The prospectus supplement and any related free writing prospectus may also add, update or change information contained in this prospectus. You should carefully read this prospectus and any prospectus supplement, including the additional information under the headings "Where You Can Find More Information" and "Information We Incorporate By Reference," and any related free writing prospectus.

We have not authorized anyone to provide you with different information from the information contained in, or incorporated by reference into, this prospectus and in any prospectus supplement or in any free writing prospectus that we may provide to you. You should not assume that the information contained in this prospectus, any prospectus supplement, any document incorporated by reference or any free writing prospectus is accurate as of any date, other than the date mentioned on the cover page of these documents. We are not making offers to sell any of our securities in any jurisdiction in which an offer or solicitation is not authorized or in which the person making such offer or solicitation is not qualified to do so or to anyone to whom it is unlawful to make an offer or solicitation.

References in this prospectus to the terms "we," "us," "PCT" or "the Company" or other similar terms mean PureCycle Technologies, Inc. and its consolidated subsidiaries, unless we state otherwise or the context indicates otherwise.

WHERE YOU CAN FIND MORE INFORMATION

We are subject to the informational reporting requirements of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). We file reports, proxy statements and other information with the SEC. Our SEC filings are available at the SEC's website at http://www.sec.gov. We make available, free of charge, on our website at http://www.purecycle.com, our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to those reports and statements as soon as reasonably practicable after they are filed with the SEC. The contents of our website are not part of this prospectus, and the reference to our website does not constitute incorporation by reference into this prospectus any of the information contained at that site, other than documents we otherwise file with the SEC that are incorporated by reference into this prospectus.

INFORMATION WE INCORPORATE BY REFERENCE

The SEC allows us to "incorporate by reference" into this prospectus the information in documents we file with it, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is considered to be a part of this prospectus, and information that we file later with the SEC will automatically update and supersede this information. Any statement contained in any document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in or omitted from this prospectus or any prospectus supplement, any free writing prospectus, or in any other subsequently filed document that also is or is deemed to be incorporated by reference herein, modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

We incorporate by reference the documents listed below and any future documents that we file with the SEC under Section 13(a), 13(c), 14 or 15(d) of the Exchange Act (1) after the date of the initial filing of the registration statement of which this prospectus forms a part prior to the effectiveness of the registration statement and (2) after the date of this prospectus until the offering of the shares of our Common Stock (as defined below) is terminated:

- our Annual Report on Form 10-K for the year ended December 31, 2023 filed with the SEC on March 6, 2024;
- our Quarterly Reports on Form 10-Q for the quarterly period ended March 31, 2024 filed with the SEC on <u>August 8, 2024</u> and September 30, 2024 filed with the SEC on <u>November 15, 2024</u>;
- our Current Reports on Form 8-K filed with the SEC on February 5, 2024, February 12, 2024, February 20, 2024, February 23, 2024, March 25, 2024, March 28, 2024, May 7, 2024 (Item 8.01 only), May 13, 2024, June 3, 2024, June 14, 2024, July 12, 2024, August 5, 2024, September 13, 2024, September 18, 2024, October 28, 2024, October 29, 2024, December 5, 2024 and January 6, 2025; and
- the description of our Common Stock contained in our <u>Registration Statement on Form 8-A</u>, registering our Common Stock under Section 12(b) under the Exchange Act, filed with the SEC on March 17, 2021, as updated by the description of our Common Stock contained in <u>Exhibit 4.1</u> to our Registration Statement on Form S-3 filed with the SEC on November 20, 2024, and all subsequently filed amendments and reports updating that description.

We will not, however, incorporate by reference in this prospectus any documents or portions thereof that are not deemed "filed" with the SEC, including any information furnished pursuant to Item 2.02 or Item 7.01 of our Current Reports on Form 8-K unless, and except to the extent, specified in such Current Reports.

We will provide you with a copy of any of these filings (other than an exhibit to these filings, unless the exhibit is specifically incorporated by reference into the filing requested) at no cost, if you submit a request to us by writing or telephoning us at the following address and telephone number:

PureCycle Technologies, Inc. 20 North Orange Ave. Suite 106 Orlando, Florida 32801 Phone: (877) 648-3565

PURECYCLE TECHNOLOGIES, INC.

The Company

PCT is commercializing a patented dissolution process to physically separate the polymer from other plastics, color, and contaminants (the "Technology"), originally developed by The Procter & Gamble Company ("P&G"), for restoring waste polypropylene into resin with near-virgin characteristics, called ultra-pure recycled ("UPR") resin, which has nearly identical properties and applicability for reuse as virgin polypropylene. PCT has a global license for the Technology from P&G. In April 2023, we certified as mechanically complete our first commercial scale recycling facility (the "Ironton Facility"), which we expect to have capacity of approximately 107 million pounds/year when fully operational. Commissioning activities are ongoing, but the plant is not yet operating their sustainability goals, provide consumers with polypropylene-based products that are sustainable, and reduce overall polypropylene waste in the world's landfills and oceans.

PCT's process includes two steps: FeedPre-Processing ("Feed PreP") and the use of the Technology for purification. The Feed PreP step will collect, sort, and prepare polypropylene waste ("feedstock") for purification. The purification step is a dissolution process that uses a combination of solvent, temperature, and pressure to return the feedstock to near-virgin condition through a novel configuration of commercially available equipment and unit operations. The purification process puts the plastic through a physical extraction process using super critical fluids that both extract and filter out contaminants and purify the color, opacity, and odor of the plastic without changing the bonds of the polymer. PCT's purification process is not a chemical process. By not altering the chemical makeup of the polymer, the Company is able to use significantly less energy and reduce production costs as compared to virgin resin.

PCT intends to build new recycling production facilities globally, as project financing becomes available. In addition to the Ironton Facility and our first U.S. facility with multiple lines for purification ("multi-line facility") to be located in Augusta, Georgia (the "Augusta Facility"), and multiple Feed PreP facilities centrally located, we currently expect the next plant to be located in the Port of Antwerp in Belgium. The Augusta Facility will be our first scaled up multi-line facility model. Pre-engineering for the design and installation of multiple commercial lines at the Augusta Facility is currently underway and is expected to create efficiencies across the construction and permitting processes. Further, we have placed orders for our long-lead equipment for the Augusta Facility, with additional construction progress expected to continue pending timely completion of project financing.

PCT is pursuing a leading role in dissolution-based polypropylene recycling. PCT's Feedstock Evaluation Unit ("FEU"), which has been operational since July 2019, is a smaller scale replica of the Ironton Facility. The FEU was designed to simulate commercial production and validate for PCT's customers and suppliers the viability of our process, which has helped PCT secure 20+ year signed offtake agreements and feedstock supply agreements with large multi-national partners and industry participants. Based on the testing PCT has performed and continues to perform through the FEU and independent labs, PCT believes a sufficient number of feedstock sources have been identified that are suitable for its purification technology. PCT has partnered with suppliers to provide the required mix and quality of feedstock necessary to meet its offtake requirements at Ironton, and believes it will be able source feedstock sufficient to support future operations in the U.S., Europe, and Asia.

The Technology has been evaluated by third parties with a focus on the Technology's efficacy and commercial scalability. Certain of our strategic partners have conducted testing on PCT's UPR resin. In these evaluations, PCT's UPR resin compared favorably to virgin polypropylene in common Food & Beverage industry benchmarks for melt flow and mechanical properties, purity, odor, and function (lift decay, hinge break, and impact resistance).

Background

On March 17, 2021, PCT consummated the business combination ("Business Combination") by and among Roth CH Acquisition I Co., a Delaware corporation ("ROCH"), Roth CH Acquisition I Co. Parent Corp., a Delaware corporation and wholly owned direct subsidiary of ROCH ("ParentCo"), Roth CH Merger Sub LLC, a Delaware limited liability company and wholly owned direct subsidiary of Parent Co, Roth CH Merger Sub Corp., a Delaware corporation and wholly owned direct subsidiary of Parent Co, and PureCycle Technologies LLC ("PCT LLC") pursuant to the Agreement and Plan of Merger dated as of November 16, 2020, as amended from time to time (the "Merger Agreement").

Upon the completion of the Business Combination and the other transactions contemplated by the Merger Agreement (the "Transactions", and such completion, the "Closing"), ROCH changed its name to PureCycle Technologies Holdings Corp. and became a wholly owned direct subsidiary of ParentCo, PCT LLC became a wholly owned direct subsidiary of PureCycle Technologies Holdings Corp. and a wholly owned indirect subsidiary of ParentCo, and ParentCo changed its name to PureCycle Technologies, Inc. Our Common Stock, publicly traded units ("Public Units") and publicly traded warrants ("Public Warrants") are listed on the Nasdaq Capital Market ("NASDAQ") under the symbols "PCT," "PCTTU" and "PCTTW," respectively.

Recent Events

RTI Warrants

On June 29, 2018, the PCT LLC board of directors approved the issuance of warrants (the "Legacy RTI Warrants") to Resin Technology, Inc. under the terms of a professional services agreement (the "Professional Services Agreement") to purchase an aggregate of 143,619 PCT LLC Class C Units at an aggregated exercise price of \$37.605 per unit. The Legacy RTI Warrants vested immediately upon issuance and originally were set to expire on June 29, 2023 or upon a change in control event, as such term is defined in the warrant agreement (the "Legacy RTI Warrant Agreement"). The RTI Warrants were then later assigned to Recycled Resin Investors, LLC in October 2020. In connection with the Business Combination, on November 20, 2020, the Legacy RTI Warrant Agreement was modified such that the Legacy RTI Warrants (i) became exercisable for 1,510,943 shares of Common Stock instead of PCT LLC Class C Units, (ii) became exercisable on the closing of the Business Combination, (iii) expire on December 31, 2024 and (iv) are exercisable at \$3.57 per RTI Warrant Common Share. On December 27, 2024, the Legacy RTI Warrant Agreement was modified such that the Legacy RTI Warrants expire on January 17, 2025. On January 16, 2025 the Legacy RTI Warrants were exercised for Common Stock.

CORPORATE INFORMATION

Our principal executive offices are located at 20 North Orange Avenue, Suite 106, Orlando, Florida 32081. Our telephone number is (877) 648-3565. Our website is http://www.purecycle.com. The information contained on or accessible through our website is not part of this prospectus, other than the documents that we file with the SEC that are specifically incorporated by reference into this prospectus.

RISK FACTORS

Investing in our securities involves risk. Prior to making a decision about investing in our securities, you should carefully consider the specific factors discussed under the heading "Risk Factors" in our most recent Annual Report on Form 10-K, which is incorporated by reference in this prospectus and any prospectus supplement and may be amended, supplemented or superseded from time to time by our Quarterly Reports on Form 10-Q and other reports we file with the SEC in the future. The risks and uncertainties we have described are not the only risks to which we are exposed. Additional risks and uncertainties not presently known to us or that we currently deem immaterial may also affect our operations. If any of these risks actually occur, our business, results of operations and financial condition could suffer. In that case, the trading price of our securities could decline, and you could lose all or a part of your investment.

CAUTIONARY STATEMENT ON FORWARD-LOOKING STATEMENTS

This prospectus and any prospectus supplement contains and incorporates by reference statements that express our opinions, expectations, beliefs, plans, objectives, assumptions or projections regarding future events or future results and therefore are, or may be deemed to be forward-looking statements within as defined in Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), Section 21E of the Exchange Act, the Private Securities Litigation Reform Act of 1995, as amended, or in releases made by the SEC, including statements about the financial condition, results of operations, earnings outlook and prospects of PCT. Forward-looking statements are typically identified by words such as "plan," "believe," "expect," "anticipate," "intend," "outlook," "estimate," "forecast," "project," "continue," "could," "may," "might," "possible," "potential," "predict," "should," "would" and other similar words and expressions (or the negative versions of such words or expressions), but the absence of these words does not mean that a statement is not forward-looking. They appear in a number of places throughout this prospectus and any prospectus supplement and in the documents incorporated by reference herein.

The forward-looking statements are based on the current expectations of the management of PCT and are inherently subject to uncertainties and changes in circumstances and their potential effects and speak only as of the date of this prospectus. There can be no assurance that future developments will be those that have been anticipated. These forward-looking statements involve a number of risks, uncertainties or other assumptions that may cause actual results or performance to be materially different from those expressed or implied by these forward-looking statements. We believe that important factors that could cause our actual results to differ materially from forward-looking statements include, but are not limited to, the risks and uncertainties outlined in the "Risk Factors" from our most recent Annual Report on Form 10-K incorporated by reference into this prospectus and any prospectus supplement as may be amended, supplemented or superseded from time to time by our Quarterly Reports on Form 10-Q and other reports we file with the SEC in the future. Some of these factors include:

- PCT's ability to obtain funding for its operations and future growth and to continue as a going concern;
- PCT's ability to meet, and to continue to meet, applicable regulatory requirements for the use of PCT's UPR resin (as defined below) in food grade applications (including in the United States, Europe, Asia and other future international locations);
- PCT's ability to comply on an ongoing basis with the numerous regulatory requirements applicable to the UPR resin and PCT's facilities (including in the United States, Europe, Asia and other future international locations);
- expectations and changes regarding PCT's strategies and future financial performance, including its future business plans, expansion plans or
 objectives, prospective performance and opportunities and competitors, revenues, products and services, pricing, operating expenses, market trends,
 liquidity, cash flows and uses of cash, capital expenditures, and PCT's ability to invest in growth initiatives;
- the ability of the Ironton Facility to be appropriately certified by Leidos Engineering, LLC, following certain performance and other tests, and commence full-scale commercial operations in a timely and cost-effective manner, or at all;
- PCT's ability to meet, and to continue to meet, the requirements imposed upon it and its subsidiaries by the funding for its operations, including the funding for the Ironton Facility;
- PCT's ability to minimize or eliminate the many hazards and operational risks at its manufacturing facilities that can result in potential injury to
 individuals, disrupt its business (including interruptions or disruptions in operations at its facilities), and subject PCT to liability and increased costs;
- PCT's ability to complete the necessary funding with respect to, and complete the construction of the Augusta Facility and its first commercial-scale European plant located in Antwerp, Belgium, in a timely and cost-effective manner;
- · PCT's ability to procure, sort and process polypropylene plastic waste at its planned Feed PreP facilities;

Table of Contents

- PCT's ability to maintain exclusivity under the P&G license;
- · the implementation, market acceptance and success of PCT's business model and growth strategy;
- the success or profitability of PCT's offtake arrangements;
- · the ability to source, and then pre-process, feedstock with a high polypropylene content at a reasonable cost;
- · PCT's future capital requirements and sources and uses of cash;
- · developments and projections relating to PCT's competitors and industry;
- the outcome of any legal or regulatory proceedings to which PCT is, or may become, a party including the securities class action and putative class action cases;
- geopolitical risk and changes in applicable laws or regulations;
- the possibility that PCT may be adversely affected by other economic, business, and/or competitive factors, including interest rates, availability of capital, economic cycles, and other macro-economic impacts;
- · turnover or increases in employees and employee-related costs;
- changes in the prices and availability of labor (including labor shortages), transportation and materials, including inflation, supply chain conditions
 and its related impact on energy and raw materials, and PCT's ability to obtain them in a timely and cost-effective manner;
- any business disruptions due to political or economic instability, pandemics, armed hostilities (including the ongoing conflict between Russia and Ukraine and the conflict in the Middle East);
- the potential impact of climate change on PCT, including physical and transition risks, higher regulatory and compliance costs, reputational risks, and availability of capital on attractive terms; and
- operational risks.

In light of the foregoing, we caution you not to place undue reliance on our forward-looking statements. Any forward-looking statement that we make in this prospectus and any prospectus supplement speaks only as of the date of such statement, and we undertake no obligation to update any forward-looking statement or to publicly announce the results of any revision to any of those statements to reflect future events or developments. Comparisons of results for current and any prior periods are not intended to express any future trends or indications of future performance, unless specifically expressed as such, and should only be viewed as historical data. Furthermore, new risks and uncertainties arise from time to time, and it is impossible for us to predict those events or how they may affect us.

USE OF PROCEEDS

Unless we inform you otherwise in the applicable prospectus supplement, we expect to use the net proceeds from the sale of the securities offered under this prospectus for general corporate purposes. These purposes may include, but are not limited to:

- financing acquisitions;
- · reduction or refinancing of outstanding indebtedness or other corporate obligations;
- · additions to working capital; and
- capital expenditures.

We have not allocated a specific portion of the net proceeds for any particular use at this time, and we will have discretion in the use of any net proceeds. Specific information concerning the use of proceeds from the securities offered under this prospectus will be described in the prospectus supplement for such offering. Pending any specific application, we may initially invest funds in short-term marketable securities or apply them to the reduction of short-term indebtedness.

We will not receive any proceeds from the resale of securities by selling securityholders under this prospectus or any prospectus supplement.

DESCRIPTION OF CAPITAL STOCK

General

The following description of our capital stock is intended as a summary only and is qualified in its entirety by reference to our Amended and Restated Certificate of Incorporation, as amended ("Amended and Restated Certificate of Incorporation"), Certificate of Designations, and Second Amended and Restated Bylaws ("Second Amended and Restated Bylaws"). We encourage you to read these documents and the applicable portion of the Delaware General Corporation Law, as amended (the "DGCL"), and our Amended and Restated Certificate of Incorporation, Certificate of Designations and our Second Amended and Restated Bylaws carefully and in their entirety because they describe your rights as a holder of our securities.

Common Stock

Our authorized capital stock consists of 450,000,000 shares of common stock, par value \$0.001 per share ("Common Stock"), and 25,000,000 shares of preferred stock, par value \$0.001 per share.

Holders of shares of Common Stock are entitled to one vote for each share held of record on all matters submitted to a vote of stockholders. The holders of shares of Common Stock do not have cumulative voting rights in the election of directors. Upon the Company's liquidation, dissolution or winding up and after payment in full of all amounts required to be paid to creditors and to the holders of preferred stock having liquidation preferences, if any, the holders of shares of Common Stock will be entitled to receive pro rata the Company's remaining assets available for distribution. Holders of shares of Common Stock do not have preemptive, subscription, redemption or conversion rights. The Common Stock will not be subject to further calls or assessment by the Company. There will be no redemption or sinking fund provisions applicable to the Common Stock. All shares of the Common Stock will be subject to those of the holders of shares of the Company's preferred stock the Company may authorize and issue in the future.

When a quorum is present at any meeting, any matter other than the election of directors to be voted upon by the stockholders at such meeting will be decided by a majority vote of the holders of shares of capital stock present or represented at the meeting and voting affirmatively or negatively on such matter. At all meetings of stockholders for the election of directors at which a quorum is present, a plurality of the votes cast will be sufficient to elect such directors.

Preferred Stock

The Amended and Restated Certificate of Incorporation authorizes the Company's board of directors to establish one or more series of preferred stock. Unless required by law or by NASDAQ, the authorized shares of preferred stock will be available for issuance without further action by you. The Company's board of directors is authorized to fix from time to time before issuance the number of shares of preferred stock to be included in any such series and the designation, powers, preferences and relative participating, optional or other rights, if any, and the qualifications, limitations or restrictions thereof. The authority of the Company's board of directors with respect to each such series will include, without limiting the generality of the foregoing, the determination of any or all of the following:

- · the number of shares of any series and the designation to distinguish the shares of such series from the shares of all other series;
- · the voting powers, if any, and whether such voting powers are full or limited in such series;
- · the redemption provisions, if any, applicable to such series, including the redemption price or prices to be paid;

- whether dividends, if any, will be cumulative or noncumulative, the dividend rate of such series, and the dates and preferences of dividends on such series;
 - the rights of such series upon the voluntary or involuntary dissolution of, or upon any distribution of the assets of, the Company;
 - the provisions, if any, pursuant to which the shares of such series are convertible into, or exchangeable for, shares of any other class or classes or of any other series of the same or any other class or classes of stock, or any other security, of the Company or any other corporation or other entity, and the rates or other determinants of conversion or exchange applicable thereto;
 - the right, if any, to subscribe for or to purchase any securities of the Company or any other corporation or other entity;
 - · the provisions, if any, of a sinking fund applicable to such series; and
 - · any other relative, participating, optional, or other special powers, preferences or rights and qualifications, limitations, or restrictions thereof;
 - all as may be determined from time to time by the Company's board of directors and stated or expressed in the resolution or resolutions
 providing for the issuance of such preferred stock (collectively, a "Preferred Stock Designation").

The Company could issue a series of preferred stock that could, depending on the terms of the series, impede or discourage an acquisition attempt or other transaction that some, or a majority, of the holders of the Common Stock might believe to be in their best interests or in which the holders of the Common Stock might receive a premium for their Common Stock over its market price. Additionally, the issuance of preferred stock may adversely affect the rights of holders of the Common Stock by restricting dividends on the Common Stock, diluting the voting power of the Common Stock or subordinating the liquidation rights of the Common Stock. As a result of these or other factors, the issuance of preferred stock could have an adverse impact on the market price of the Common Stock. The Company has no current plans to issue any new series of preferred stock.

Series A Preferred Stock

On September 13, 2024, we filed the Certificate of Designations with the Secretary of State of the State of Delaware that established the preferences, limitations and relative rights of the Series A preferred stock, par value \$0.001 per share ("Series A Preferred Stock"), and authorized for issuance 100,000 shares of Series A Preferred Stock. The Amended and Restated Certificate of Incorporation was amended, effective immediately, upon the filing of the Certificate of Designations.

Ranking

Series A Preferred Stock ranks senior to shares of Common Stock with respect to rights on the distribution of assets on any voluntary or involuntary liquidation, dissolution or winding up of the affairs of our Company.

Liquidation Preference

Each share of Series A Preferred Stock has a liquidation preference of the issue price of \$1,000 per share (the "Initial Issue Price") multiplied by 1.05 (the "Liquidation Preference").

Dividend and Return Rights

Pursuant to the Certificate of Designations, the shares of Series A Preferred Stock have a maturity date three years after the initial issue date (the "Maturity Date") and accrue a return equal to 8% per annum (the "Return"), payable quarterly in cash or in-kind at the election of the holder. Pursuant to the Waiver Agreements (defined

Table of Contents

below), investors holding all of the shares of Series A Preferred Stock elected to irrevocably and unconditionally waive (and consented to such waivers for purposes of Section 12 of the Certificate of Designations) the right to receive Return payments on the first three quarterly Return payment dates within each one-year period following the issue date and to instead receive such Return payments on the fourth quarterly Return payment date within each one-year period following the issue date, such that each holder of Series A Preferred Stock shall receive Return payments for the entire one-year period on each such fourth quarterly Return payment date.

Maturity

Series A Preferred Stock matures three years after the original issuance date.

Conversion and Redemption

Shares of Series A Preferred Stock are subject to (i) a mandatory redemption upon the occurrence of certain triggering events related to the incurrence of additional indebtedness not otherwise permitted under our existing credit agreement, dated as of March 15, 2023, (ii) a mandatory redemption on the Maturity Date and (iii) an optional redemption, at our election, at any time prior to the Maturity Date. Each share of Series A Preferred Stock is redeemable for an amount equal to the Initial Issue Price multiplied by 1.05, which amount shall be payable in (i) cash, (ii) a number of shares of Common Stock equal to such amount divided by \$4.69, or (iii) a combination of cash and shares of Common Stock, in each case including accrued but unpaid Return to the redemption date.

If the holder elects upon redemption to receive Common Stock and such holder's beneficial ownership would exceed 19.9% of the outstanding shares of Common Stock (the "Stock Issuance Cap"), then in lieu of such shares, the holder will receive a number of pre-funded warrants exercisable for an equivalent number of Common Stock ("Pre-Funded Warrants"). The Pre-Funded Warrants will expire seven years after issuance and will be immediately exercisable by the holder for shares of Common Stock, provided that such exercise does not cause such holder's beneficial ownership to exceed the Stock Issuance Cap.

On September 17, 2024, the investors holding all of the shares of Series A Preferred Stock entered into waivers (the "Waiver Agreements") to irrevocably and unconditionally waive (and consented to such waivers for purposes of Section 12 of the Certificate of Designations) the rights of such holders of shares of Series A Preferred Stock, (i) to elect to receive shares of Common Stock or Pre-Funded Warrants in connection with redemption events under the Certificate of Designations and (ii) to elect to receive additional shares of Series A Preferred Stock on Return payment dates.

Voting

Holders of shares of Series A Preferred Stock shall have no voting rights with respect to such shares of Series A Preferred Stock except as from time to time required by law. Holders of shares of Series A Preferred Stock shall vote as a single class with respect to amendments to the Certificate of Designations applicable to all shares of Series A Preferred Stock upon the vote or written consent of the holders of a majority of such shares of Series A Preferred Stock then outstanding.

Change of Control

Upon certain change of control events involving the Company, the holders of shares of Series A Preferred Stock will be entitled to receive in full, out of the assets of the Company or proceeds thereof available for distribution to stockholders, a sum in cash equal to (i) the Liquidation Preference of such share of Series A Preferred Stock, plus (y) the accrued Return in respect of such share of Series A Preferred Stock as of the applicable change of control purchase date.

Liquidation

In the event of any liquidation, bankruptcy, insolvency, dissolution or winding up of the affairs of the Company, whether voluntary or involuntary, or upon the occurrence of certain change of control events involving the Company, the holders of shares of Series A Preferred Stock will be entitled to receive in full, out of the assets of the Company or proceeds thereof available for distribution to stockholders, and after satisfaction of all liabilities and obligations to creditors of the Company, before any distribution of such assets and/or proceeds is made to or set aside for the holders of any other junior securities, a sum in cash equal to (i) the Liquidation Preference of such share of Series A Preferred Stock, plus (y) the accrued Return in respect of such share of Series A Preferred Stock as of the applicable change of control purchase date.

Registration

Pursuant to the subscription agreements, dated September 11, 2024, by and between the Company and certain investors, holders of the shares of Series A Preferred Stock have the right to demand registration of the shares of Series A Preferred Stock and the Common Stock issuable upon conversion of such Series A Preferred Stock (including shares issuable upon exercise of any Pre-Funded Warrants). Pursuant to the Waiver Agreements, the investors holding all of the shares of Series A Preferred Stock irrevocably and unconditionally waived the rights of such holders of shares of Series A Preferred Stock to require us to register the shares of Common Stock issuable upon redemption of the Series A Preferred Stock (including shares issuable upon exercise of any Pre-Funded Warrants) on a registration statement filed by the Company.

Preemption

Holders of shares of Series A Preferred Stock shall not have any preemptive rights with respect to the Company's other securities.

No Sinking Fund

Shares of Series A Preferred Stock shall not be subject to or entitled to the operation of a retirement or sinking fund.

Public Warrants

As of December 31, 2024, we had approximately 5.7 million of our Public Warrants issued and outstanding. Pursuant to the Warrant Agreement (as defined below), a holder of a Public Warrant may exercise its Public Warrants only for a whole number of shares of Common Stock. This means that only a whole Public Warrant may be exercised at any given time by a holder of a Public Warrant. No fractional Public Warrants were issued upon separation of the Public Units (as defined below) and only whole Public Warrants trade on NASDAQ. Each Public Warrant became exercisele on May 4, 2021 and will expire five years after the completion of PCT's business combination, or earlier upon redemption. The shares of Common Stock issuable upon exercise of the Public Warrants have been registered under the Company's registration statement on Form S-1, as amended (File No. 333-251034), which was declared effective by the Securities and Exchange Commission and serves as a post-effective on Form S-3 (File Nos. 333-251034 and 333-257423) was declared effective by the Securities and Exchange Commission and serves as a post-effective amendment to the Form S-1 pursuant to Rule 429 under the Securities Act.

The outstanding Public Warrants may be called for redemption, in whole and not in part, at a price of \$0.01 per Warrant:

- at any time after the Public Warrants become exercisable;
- upon not less than 30 days' prior written notice of redemption to each Public Warrant holder;

- if, and only if, the reported last sale price of the shares of Common Stock equals or exceeds \$18.00 per share, for any 20 trading days within a 30-day trading period commencing after the Public Warrants become exercisable and ending on the third business day prior to the notice of redemption to Public Warrant holders; and
- if, and only if, there is a current registration statement in effect with respect to the shares of Common Stock underlying such Public Warrants at the time of redemption and for the entire 30-day trading period referred to above and continuing each day thereafter until the date of redemption.

The right to exercise will be forfeited unless the Public Warrants are exercised prior to the date specified in the notice of redemption. On and after the redemption date, a record holder of a Public Warrant will have no further rights except to receive the redemption price for such holder's Public Warrant upon surrender of such Public Warrant.

The redemption criteria for the Public Warrants have been established at a price which is intended to provide Public Warrant holders a reasonable premium to the initial exercise price and provide a sufficient differential between the then-prevailing share price and the Public Warrant exercise price so that if the share price declines as a result of a redemption call, the redemption will not cause the share price to drop below the exercise price of the Public Warrants.

If the Public Warrants are called for redemption as described above, management will have the option to require all holders that wish to exercise Public Warrants to do so on a "cashless basis." In such event, each holder would pay the exercise price by surrendering the Public Warrants for that number of shares of Common Stock equal to the quotient obtained by dividing (x) the product of the number of shares of Common Stock underlying the Public Warrants, multiplied by the difference between the exercise price of the Public Warrants and the "fair market value" (defined below) by (y) the fair market value. The "fair market value" for this purpose shall mean the average reported last sale price of the Common Stock for the 10 trading days ending on the third trading day prior to the date on which the notice of redemption is sent to the holders of Public Warrants. Whether we will exercise our option to require all holders to exercise their Public Warrants on a "cashless basis" will depend on a variety of factors including the price of the Common Stock at the time the Public Warrants are called for redemption, ongoing cash needs at such time and concerns regarding dilutive share issuances.

The Public Warrants have been issued in registered form under a warrant agreement (the "Warrant Agreement") between Continental Stock Transfer & Trust Company, as warrant agent, and ROCH. The Warrant Agreement provides that the terms of the Public Warrants may be amended without the consent of any holder to cure any ambiguity or correct any defective provision, but requires the approval, by written consent or vote, of the holders of a majority of the then outstanding Public Warrants in order to make any change that adversely affects the interests of the registered holders.

The exercise price and number of shares of Common Stock issuable on exercise of the Public Warrants may be adjusted in certain circumstances including in the event of a share dividend, extraordinary dividend or recapitalization, reorganization, merger or consolidation. However, the Public Warrants will not be adjusted for issuances of shares of Common Stock at a price below the applicable exercise price.

The Public Warrants may be exercised upon surrender of the Public Warrant certificate on or prior to the expiration date at the offices of the warrant agent, with the exercise form on the reverse side of the Public Warrant certificate completed and executed as indicated, accompanied by full payment of the exercise price, by certified or official bank check, for the number of Public Warrants being exercised. The Public Warrant holders do not have the rights or privileges of holders of shares of Common Stock and any voting rights until they exercise their Public Warrants and receive shares of Common Stock. After the issuance of shares of Common Stock upon exercise of the Public Warrants, each holder will be entitled to one vote for each share held of record on all matters to be voted on by stockholders.

Public Warrant holders may elect to be subject to a restriction on the exercise of their Public Warrants such that an electing Public Warrant holder would not be able to exercise their Public Warrants to the extent that, after giving effect to such exercise, such holder would beneficially own in excess of 9.9% of the shares of Common Stock outstanding.

No fractional shares will be issued upon exercise of the Public Warrants. If, upon exercise of the Public Warrants, a holder would be entitled to receive a fractional interest in a share, upon exercise, the number of shares of Common Stock to be issued to the Warrant holder will be rounded down to the nearest whole number.

Public Units

As of December 31, 2024, we had 55,827 Public Units issued and outstanding. All Public Units outstanding reflect a unit consisting of one share of Common Stock and three-quarters of one redeemable Public Warrant to purchase Common Stock.

Dividends

We have not declared or paid any cash dividends on our Common Stock and do not presently intend to pay any cash dividends in the foreseeable future. The payment of dividends is subject to the discretion of the Company's board of directors. Our board of directors bases its decisions regarding dividends on, among other things, general business conditions, our financial results, contractual, legal and regulatory restrictions regarding dividend payments and any other factors that the board may consider relevant.

Listing

Our Common Stock, Public Warrants and Public Units trade on NASDAQ under the symbols "PCT," "PCTTW" and "PCTTU," respectively.

Annual Stockholder Meetings

The Second Amended and Restated Bylaws provide that annual stockholder meetings will be held wholly or partially by means of remote communication or at such place, within or without the State of Delaware, on such date and at such time as may be determined by the Company's board of directors, the Chief Executive Officer of the Company (the "Chief Executive Officer") or the chairman of the board of directors of the Company (the "Chief Executive Officer") and as will be designated in the notice of the annual meeting.

Anti-Takeover Effects of the Company's Amended and Restated Certificate of Incorporation and Second Amended and Restated Bylaws and Certain Provisions of Delaware Law

The Amended and Restated Certificate of Incorporation, Certificate of Designations and the Second Amended and Restated Bylaws contain and the DGCL contains provisions, which are summarized in the following paragraphs, that are intended to enhance the likelihood of continuity and stability in the composition of the Company's board of directors. These provisions are intended to avoid costly takeover battles, reduce the Company's vulnerability to a hostile change of control and enhance the ability of the Company's board of directors to maximize stockholder value in connection with any unsolicited offer to acquire the Company. However, these provisions may have an anti-takeover effect and may delay, deter or prevent a merger or acquisition of the Company by means of a tender offer, a proxy contest or other takeover attempt that a stockholder might consider in its best interest, including those attempts that might result in a premium over the prevailing market price for the shares of the Compon Stock held by stockholders.

Authorized but Unissued Capital Stock

Delaware law does not require stockholder approval for any issuance of authorized shares. However, the listing requirements of NASDAQ, which would apply if and so long as the Common Stock remains listed on NASDAQ, require stockholder approval of certain issuances equal to or exceeding 20% of the then outstanding voting power or then outstanding number of shares of Common Stock. Additional shares that may be used in the future may be issued for a variety of corporate purposes, including future public offerings, to raise additional capital or to facilitate acquisitions.

The Company's board of directors may generally issue preferred stock on terms calculated to discourage, delay or prevent a change of control of the Company or the removal of the Company's management. Moreover, the Company's authorized but unissued shares of preferred stock will be available for future issuances without stockholder approval and could be utilized for a variety of corporate purposes, including future offerings to raise additional capital, to facilitate acquisitions and employee benefit plans.

One of the effects of the existence of unissued and unreserved Common Stock or preferred stock may be to enable the Company's board of directors to issue shares to persons friendly to current management, which issuance could render more difficult or discourage an attempt to obtain control of the Company by means of a merger, tender offer, proxy contest or otherwise, and thereby protect the continuity of the Company's management and possibly deprive the Company's stockholders of opportunities to sell their shares of the Common Stock at prices higher than prevailing market prices.

Removal of Directors; Vacancies

Subject to the rights, if any, of the holders of any series of preferred stock to elect additional directors under circumstances specified in a Preferred Stock Designation, newly created directorships resulting from any increase in the number of directors and any vacancies on the board of directors resulting from death, disability, resignation, disqualification, removal, or other cause will be filled solely by the affirmative vote of a majority of the remaining directors then in office, even though less than a quorum of the board of directors, or by a sole remaining director.

Subject to the rights, if any, of the holders of any series of preferred stock to elect additional directors under circumstances specified in a Preferred Stock Designation, any director may be removed from office by the stockholders at any time, with or without cause and, in either case. At any annual meeting or special meeting of the stockholders, the notice of which states that the removal of a director or directors is among the purposes of the meeting and identifies the director or directors proposed to be removed, the affirmative vote of the holders of a majority of the voting power of the outstanding Voting Stock, voting together as a single class, may remove such director or directors. "Voting Stock" means stock of the Company of any class or series entitled to vote generally in the election of directors.

Special Stockholder Meetings

Subject to the rights of the holders of any future series of preferred stock, special meetings of stockholders may be called only (i) by the Chairman, (ii) by the Chief Executive Officer, or (iii) by the Secretary of the Company (the "Secretary") acting at the request of the Chairman, the Chief Executive Officer or a majority of the total number of directors that the Company would have if there were no vacancies on its board of directors. At any annual meeting or special meeting of stockholders, only such business will be conducted or considered as has been brought before such meeting in the manner provided in the Second Amended and Restated Bylaws.

Requirements for Advance Notification of Director Nominations and Stockholder Proposals

The Second Amended and Restated Bylaws establish advance notice procedures with respect to stockholder proposals and the nomination of candidates for election as directors, other than nominations made by or at the

direction of the board of directors or a committee of the board of directors. In order for any matter to be properly brought before a meeting, a stockholder will have to comply with advance notice requirements and provide the Company with certain information. Generally, to be timely, a stockholder's notice relating to any nomination or other business to be brought before an annual meeting must be delivered to the Secretary at the Company's principal executive offices not less than 90 days nor more than 120 days prior to the first anniversary date of the immediately preceding annual meeting of stockholders. Notwithstanding the foregoing, in the event that the number of directors to be elected to the board of directors at the annual meeting is increased effective after the time period for which nominations would otherwise be due and there is no public announcement by the Company naming the nominees for the additional directorships at least 100 days prior to the first anniversary of the preceding year's annual meeting, a stockholder's notice will also be considered timely, but only with respect to nominees for the additional directorships, if it will be delivered to the Secretary at the principal executive offices of the Company not later than the close of business on the 10th day following the day on which such public announcement is first made by the Company.

To be timely, a stockholder's notice relating to the nomination of a director to the Company's board of directors to be brought before a special meeting, if permitted, will be delivered to the Secretary at the principal executive offices of the Company not earlier than the close of business on the 120th day prior to such special meeting and not later than the close of business on the later of the 90th day prior to such special meeting or the 10th day following the day on which public announcement is first made of the date of the special meeting and of the nominees proposed by the board of directors to be elected at such meeting. The Second Amended and Restated Bylaws also specify requirements as to the form and content of a stockholder's notice. Notwithstanding the foregoing notice requirements, the notice requirements will not apply to director nominations pursuant to the Pure Crown Side Letter (as defined in the Second Amended and Restated Bylaws).

These notice provisions may defer, delay or discourage a potential acquirer from conducting a solicitation of proxies to elect the acquirer's own slate of directors or otherwise attempting to influence or obtain control of the Company.

Consent of Stockholders in Lieu of Meeting

Subject to the rights of the holders of any series of preferred stock, any action required or permitted to be taken by the stockholders may be taken only at a duly called annual or special meeting of stockholders and may not be taken without a meeting by means of any consent in writing of such stockholder.

Dissenters' Rights of Appraisal and Payment

Under the DGCL, with certain exceptions, the Company's stockholders will have appraisal rights in connection with a merger or consolidation of the Company. Pursuant to the DGCL, stockholders who properly request and perfect appraisal rights in connection with such merger or consolidation will have the right to receive payment of the fair value of their shares as determined by the Delaware Court of Chancery.

Stockholders' Derivative Actions

Under the DGCL, any of the Company's stockholders may bring an action in the Company's name to procure a judgment in the Company's favor, also known as a derivative action, provided that the stockholder bringing the action is a holder of the Company's shares at the time of the transaction to which the action relates or such stockholder's stock thereafter devolved by operation of law.

Amendment of the Amended and Restated Certificate of Incorporation

The Amended and Restated Certificate of Incorporation provides that the Company reserves the right at any time from time to time to amend, alter, change or repeal any provision contained in the Amended and Restated

Table of Contents

Certificate of Incorporation. Notwithstanding any inconsistent provision of the Amended and Restated Certificate of Incorporation or any provision of law that might otherwise permit a lesser vote or no vote, but in addition to any affirmative vote of the holders of any series of preferred stock required by law, (a) until the date (the "Sunset Date") of the first annual meeting of the stockholders that is held after March 17, 2026, the affirmative vote of the holders of at least 66 2/3% of the voting power, and (b) following the Sunset Date, the affirmative vote of the holders of a majority of the voting power, in the case of each of (a) and (b), of the outstanding capital stock entitled to vote, voting together as a single class, will be required to amend, alter, change or repeal, or adopt any provision inconsistent with, certain provisions, as noted in the Amended and Restated Certificate of Incorporation, or the definition of any capitalized terms used therein or any successor provision.

Amendment of the Second Amended and Restated Bylaws

The Second Amended and Restated Bylaws may be amended in any respect or repealed at any time, either (a) at any meeting of stockholders, provided that any amendment or supplement proposed to be acted upon at any such meeting has been properly described or referred to in the notice of such meeting, or (b) by the board of directors, provided that no amendment adopted by the board may vary or conflict with any amendment adopted by the stockholders in accordance with the Amended and Restated Certificate of Incorporation and the Second Amended and Restated Bylaws. Notwithstanding the foregoing and anything contained in the Second Amended and Restated Bylaws, certain provisions of the Second Amended and Restated Bylaws may not be amended or repealed by the stockholders, and no provision inconsistent therewith may be adopted by the stockholders, without (a) until the Sunset Date, the affirmative vote of the holders of a Least 66 2/3% of the Company's outstanding capital stock entitled to vote, voting together as a single class, together as a single class.

Exclusive Forum Selection

The Amended and Restated Certificate of Incorporation provides that, unless the Company consents in writing to the selection of an alternative forum, (a) the Court of Chancery (the "Chancery Court") of the State of Delaware (or, in the event that the Chancery Court does not have jurisdiction, the federal district court for the District of Delaware) will, to the fullest extent permitted by law, be the sole and exclusive forum for (i) any derivative action, suit or proceeding brought on behalf of the Company, (ii) any action, suit or proceeding asserting a claim of breach of a fiduciary duty owed by any director, officer, employee or stockholder of the Company to the Company or to the Company's stockholders, (iii) any action, suit or proceeding arising pursuant to any provision of the DGCL or the Second Amended and Restated Bylaws or the Amended and Restated Certificate of Incorporation (as either may be amended and/or restated from time to time) or as to which the DGCL confers jurisdiction on the Chancery Court, or (iv) any action, suit or proceeding asserting a claim against the Company governed by the internal affairs doctrine; and (b) subject to the preceding provisions, the federal district courts of the United States will be the exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act or the Exchange Act. If any action the subject matter of which is within the scope of clause (a) of the immediately preceding sentence is filed in a court other than the courts in the State of Delaware (a "Foreign Action") in the name of any stockholder, such stockholder will be deemed to have consented to (1) the personal jurisdiction of the state and federal courts in the State of Delaware in connection with any action brought in any such court to enforce the provisions of clause (a) of the immediately preceding sentence and (2) having service of process made upon such stockholder in any such action by service upon such stockholder's counsel in the Foreign Action as agent for such stockholder. Any person or entity purchasing or otherwise acquiring or holding any interest in any security of the Company will be deemed to have notice of and consented to such provisions of the Amended and Restated Certificate of Incorporation. Notwithstanding the foregoing, the exclusive forum provision will not apply to suits brought to enforce any liability or duty created by the Securities Act the Exchange Act, or any other claim for which the federal courts of the United States have exclusive jurisdiction. Unless the Company consents in writing to the selection of an alternative forum, the federal district courts of the United States of America shall, to the fullest extent permitted by applicable law, be

the sole and exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act.

Limitations on Liability and Indemnification of Officers and Directors

The DGCL authorizes corporations to limit or eliminate the personal liability of directors and certain officers to corporations and their stockholders for monetary damages for breaches of directors' fiduciary duties, subject to certain exceptions. The Amended and Restated Certificate of Incorporation includes a provision that eliminates the personal liability of directors for monetary damages for any breach of fiduciary duty as a director, except to the extent such exemption from liability or limitation thereof is not permitted under the DGCL. The effect of these provisions is to eliminate the rights of the Company and its stockholders, through stockholders' derivative suits on the Company's behalf, to recover monetary damages for any director for breach of fiduciary duty as a director, including breaches resulting from grossly negligent behavior. However, exculpation does not apply to any director for any breach of the director's duty of loyalty to the Company or its stockholders, or if the director has acted in bad faith, knowingly or intentionally violated the law, authorized illegal dividends or redemptions or derived an improper benefit from his or her actions as a director.

The Amended and Restated Certificate of Incorporation provides that the Company must indemnify and advance expenses to the Company's directors and officers to the fullest extent authorized by the DGCL. The Company also is expressly authorized to maintain insurance, at its expense, to protect itself and any director, officer, employee or agent of the Company or another corporation, partnership, joint venture, trust or other enterprise against any expense, liability or loss, whether or not the Company would have the power to indemnify such person against such expense, liability or loss under the DGCL. The Company believes that these indemnification and advancement provisions and insurance are useful to attract and retain qualified directors and executive officers.

The limitation of liability, advancement and indemnification provisions in the Amended and Restated Certificate of Incorporation may discourage stockholders from bringing a lawsuit against directors for breach of their fiduciary duty. These provisions also may have the effect of reducing the likelihood of derivative litigation against directors and officers, even though such an action, if successful, might otherwise benefit the Company and its stockholders. In addition, your investment may be adversely affected to the extent the Company pays the costs of settlement and damage awards against directors and officers pursuant to these indemnification provisions.

DESCRIPTION OF WARRANTS

We may issue warrants to purchase our debt or equity securities or securities of third parties or other rights, including rights to receive payment in cash or securities based on the value, rate or price of one or more specified commodities, currencies, securities or indices, or any combination of the foregoing. Warrants may be issued independently or together with any other securities and may be attached to, or separate from, such securities. Each series of warrants will be issued under a separate warrant agreement to be entered into between us and a warrant agent. The terms of any warrants to be issued and a description of the material provisions of the applicable warrant agreement will be set forth in the applicable prospectus supplement.

DESCRIPTION OF RIGHTS

We may issue rights to purchase Common Stock or other securities or any combination thereof. These rights may be issued independently or together with any other security offered by us and may or may not be transferable by the securityholder receiving the rights in such offering. In connection with any offering of rights, we may enter into a standby arrangement with one or more underwriters or other investors pursuant to which the underwriters or other investors may be required to purchase any securities remaining unsubscribed for after such offering.

To the extent appropriate, the applicable prospectus supplement will describe the specific terms of the rights to purchase shares of our securities offered thereby, including the following:

- the date of determining the securityholders entitled to the rights distribution;
- the price, if any, for the rights;
- the exercise price payable for the Common Stock, depositary shares or other securities upon the exercise of the right;
- the number of rights issued to each securityholder;
- the amount of Common Stock, depositary shares or other securities that may be purchased per each right;
- any provisions for adjustment of the amount of securities receivable upon exercise of the rights or of the exercise price of the rights;
- the extent to which the rights are transferable;
- the date on which the right to exercise the rights shall commence, and the date on which the rights shall expire;
- the extent to which the rights may include an over-subscription privilege with respect to unsubscribed securities or an over-allotment privilege to the extent the securities are fully subscribed;
- the material terms of any standby underwriting or purchase arrangement entered into by us in connection with the offering of rights;
- any applicable U.S. federal income tax considerations; and
- any other terms of the rights, including the terms, procedures and limitations relating to the transferability, exchange and exercise of the rights.

The description in the applicable prospectus supplement of any rights we offer will not necessarily be complete and will be qualified in its entirety by reference to the applicable rights certificate and/or rights agreement, which will be filed with the SEC if we offer rights. You are urged to read the applicable rights certificate, rights agreement and any applicable prospectus supplement in their entirety.

DESCRIPTION OF STOCK PURCHASE CONTRACTS AND STOCK PURCHASE UNITS

We may issue stock purchase contracts, including contracts obligating holders to purchase from us, and for us to sell to the holders, a specified number of shares of Common Stock at a future date or dates. The price per share of Common Stock and the number of shares of Common Stock may be fixed at the time the stock purchase contracts are issued or may be determined by reference to a specific formula stated in the stock purchase contracts.

The stock purchase contracts may be issued separately or as part of units that we call "stock purchase units." Stock purchase units consist of a stock purchase contract and U.S. treasury securities securing the holders' obligations to purchase shares of Common Stock under the stock purchase contracts.

The stock purchase contracts may require us to make periodic payments to the holders of the stock purchase units or vice versa, and these payments may be unsecured or prefunded on some basis. The stock purchase contracts may require holders to secure their obligations in a specified manner.

The applicable prospectus supplement will describe the terms of the stock purchase contracts or stock purchase units. The description in the prospectus supplement will only be a summary, and you should read the stock purchase contracts, and, if applicable, collateral or depositary arrangements, relating to the stock purchase contracts or stock purchase units. Material U.S. federal income tax considerations applicable to the stock purchase units and the stock purchase contracts will also be discussed in the applicable prospectus supplement.

DESCRIPTION OF UNITS

As specified in the applicable prospectus supplement, we may issue units consisting of one or more warrants, shares of preferred stock, shares of Common Stock, or any combination of such securities.

CERTAIN U.S. FEDERAL INCOME TAX CONSEQUENCES

A summary of certain U.S. federal income tax consequences to persons investing in the securities offered by this prospectus may be set forth in an applicable prospectus supplement. The summary will be prepared for information purposes only, however, and will not be intended as legal or tax advice to prospective purchasers. Prospective purchasers of securities are urged to consult their own tax advisors prior to any acquisition of securities.

FORMS OF SECURITIES

Each warrant and unit will be represented either by a certificate issued in definitive form to a particular investor or by one or more global securities representing the entire issuance of securities. Certificated securities in definitive form and global securities will be issued in registered form. Definitive securities name you or your nominee as the owner of the security, and in order to transfer or exchange these securities or to receive payments other than interest or other interim payments, you or your nominee must physically deliver the securities to the registrar, paying agent or other agent, as applicable. Global securities name a depositary or its nominee as the owner of the warrants or units represented by these global securities. The depositary maintains a computerized system that will reflect each investor's beneficial ownership of the securities through an account maintained by the investor with its broker/dealer, bank, trust company or other representative, as we explain more fully below.

Global Securities

We may issue the registered warrants and units in the form of one or more fully registered global securities that will be deposited with a depositary or its nominee identified in the applicable prospectus supplement and registered in the name of that depositary or nominee. In those cases, one or more registered global securities will be issued in a denomination or aggregate denominations equal to the portion of the face amount of the securities to be represented by registered global securities. Unless and until it is exchanged in whole for securities in definitive registered form, a registered global security may not be transferred except as a whole by and among the depositary for the registered global security, the nominees of the depositary or any successors of the depositary or those nominees.

If not described below, any specific terms of the depositary arrangement with respect to any securities to be represented by a registered global security will be described in the prospectus supplement relating to those securities. We anticipate that the following provisions will apply to all depositary arrangements.

Ownership of beneficial interests in a registered global security will be limited to persons, called participants, that have accounts with the depositary or persons that may hold interests through participants. Upon the issuance of a registered global security, the depositary will credit, on its book-entry registration and transfer system, the participants' accounts with the respective face amounts of the securities beneficially owned by the participants. Any dealers, underwriters or agents participating in the distribution of the securities will designate the accounts to be credited. Ownership of beneficial interests in a registered global security will be shown on, and the transfer of ownership interests will be effected only through, records maintained by the depositary, with respect to interests of participants, and on the records of participants, with respect to interests of persons holding through participants. The laws of some states may require that some purchasers of securities take physical delivery of these securities in definitive form. These laws may impair your ability to own, transfer or pledge beneficial interests in registered global securities.

So long as the depositary, or its nominee, is the registered owner of a registered global security, that depositary or its nominee, as the case may be, will be considered the sole owner or holder of the securities represented by the registered global security for all purposes under the applicable warrant agreement or unit agreement. Except as described below, owners of beneficial interests in a registered global security will not be entitled to have the securities represented by the registered global security will not be entitled to have the securities represented by the registered global security registered in their names, will not receive or be entitled to receive physical delivery of the securities in definitive form and will not be considered the owners or holders of the securities under the applicable warrant agreement or unit agreement. Accordingly, each person owning a beneficial interest in a registered global security must rely on the procedures of the depositary for that registered global security and, if that person is not a participant, on the procedures of the participant through which the person owns its interest, to exercise any rights of a holder under the applicable warrant agreement or unit agreement. We understand that under existing industry practices, if we request any action of holders or if an owner of a beneficial interest in a registered global security desires to give or take any action that a holder is entitled to give or take under the applicable warrant agreement or unit agreement, the

depositary for the registered global security would authorize the participants holding the relevant beneficial interests to give or take that action, and the participants would authorize beneficial owners owning through them to give or take that action or would otherwise act upon the instructions of beneficial owners holding through them.

Any payments to holders with respect to warrants or units, represented by a registered global security registered in the name of a depositary or its nominee will be made to the depositary or its nominee, as the case may be, as the registered owner of the registered global security. None of the Company, any warrant agent, unit agent or any other agent of the Company, agent of such warrant agent or unit agent will have any responsibility or liability for any aspect of the records relating to payments made on account of beneficial ownership interests in the registered global security or for maintaining, supervising or reviewing any records relating to those beneficial ownership interests.

We expect that the depositary for any of the securities represented by a registered global security, upon receipt of any payment of premium, interest or other distribution of underlying securities or other property to holders on that registered global security, will immediately credit participants' accounts in amounts proportionate to their respective beneficial interests in that registered global security as shown on the records of the depositary. We also expect that payments by participants to owners of beneficial interests in a registered global security held through participants will be governed by standing customer instructions and customary practices, as is now the case with the securities held for the accounts of customers in bearer form or registered in "street name," and will be the responsibility of those participants.

If the depositary for any of these securities represented by a registered global security is at any time unwilling or unable to continue as depositary or ceases to be a clearing agency registered under the Exchange Act, and a successor depositary registered as a clearing agency under the Exchange Act is not appointed by us within 90 days, we will issue securities in definitive form in exchange for the registered global security that had been held by the depositary. Any securities issued in definitive form in exchange for a registered global security will be registered in the name or names that the depositary gives to the relevant warrant agent, unit agent or other relevant agent of ours or theirs. It is expected that the depositary's instructions will be based upon directions received by the depositary from participants with respect to ownership of beneficial interests in the registered global security and will issue security and will issue securities of any series shall no longer be represented by a global security and will issue security and will issue for such global security pursuant to the procedure described above.

SELLING SECURITYHOLDERS

Information about selling securityholders, where applicable, will be set forth in a prospectus supplement, in a post-effective amendment or in filings we make with the SEC under the Exchange Act which are incorporated by reference into this prospectus.

PLAN OF DISTRIBUTION

We or selling securityholders may sell the securities in and outside the United States:

- through underwriters or dealers;
- · through agents;
- directly to one or more purchasers;
- · any combination of these; or
- · through any method described in the applicable prospectus supplement.

The distribution of the securities may be effected, from time to time, in one or more transactions, including:

- · block transactions (which may involve crosses) and transactions on any organized market where the securities may be traded;
- · purchases by a dealer as principal and resale by the dealer for its own account pursuant to a prospectus supplement;
- · ordinary brokerage transactions and transactions in which a dealer solicits purchasers;
- sales "at the market" to or through a market maker or into an existing trading market, on an exchange or otherwise;
- · sales in other ways not involving market makers or established trading markets, including direct sales to purchasers; and
- in any other manner described in the applicable prospectus supplement.

We or selling securityholders may distribute the securities from time to time in one or more transactions at:

- a fixed price or prices, which may be changed from time to time;
- market prices prevailing at the time of sale;
- · prices related to the prevailing market prices;
- · negotiated prices; or
- · prices determined according to the process described in the applicable prospectus supplement.

Any selling securityholder will act independently of us in making decisions with respect to the timing, manner and size of each of its sales of securities covered by this prospectus.

The prospectus supplement will describe the terms of the offering of the securities, including the following:

- the name or names of any underwriters, dealers or agents;
- the purchase price and the proceeds we will receive from the sale;
- · any underwriting discounts and other items constituting underwriters' compensation; and
- · any initial public offering price and any discounts or concessions allowed or reallowed or paid to dealers.

Sale through Underwriters or Dealers

If underwriters are used in the sale, the underwriters will acquire the securities for their own account. The underwriters may resell the securities from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale. Underwriters may

offer the securities to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more firms acting as underwriters. Unless we inform you otherwise in the prospectus supplement, the obligations of the underwriters to purchase the securities will be subject to certain conditions, and the underwriters will be obligated to purchase all of the securities if they purchase any of them. The underwriters may change from time to time any initial public offering price and any discounts or concessions allowed or reallowed or paid to dealers.

If we offer the securities in a subscription rights offering to our existing holders of our securities, we may enter into a standby underwriting agreement with dealers, acting as standby underwriters. We may pay the standby underwriters a commitment fee for the securities they commit to purchase on a standby basis. If we do not enter into a standby underwriting agreement, we may retain a dealer-manager to manage a subscription rights offering for us.

During and after an offering through underwriters, the underwriters may purchase and sell the securities in the open market. These transactions may include over-allotment and stabilizing transactions and purchases to cover syndicate short positions created in connection with the offering. The underwriters may also impose a penalty bid, which means that selling concessions allowed to syndicate members or other broker-dealers for the securities sold for their account may be reclaimed by the syndicate if the securities are repurchased by the syndicate in stabilizing or covering transactions. These activities may stabilize, maintain or otherwise affect the market price of such securities, which may be higher than the price that might otherwise prevail in the open market. If commenced, the underwriters may discontinue these activities at any time.

If dealers are used in the sale of the securities, we or the selling securityholders will sell the securities to them as principals. They may then resell those securities to the public at varying prices determined by the dealers at the time of resale. We will include in the prospectus supplement the names of the dealers and the terms of the transaction.

Shares of Common Stock may also be exchanged for satisfaction of selling securityholders' obligations or other liabilities to their creditors. Such transactions may or may not involve brokers or dealers.

Direct Sales and Sales through Agents

We or the selling securityholders may sell the securities directly. In this case, no underwriters or agents would be involved. We or the selling securityholders may also sell the securities through agents designated from time to time at fixed prices or at varying prices determined at the time of sale. In the prospectus supplement, we will name any agent involved in the offer or sale of the securities, and we will describe any commissions payable to the agent. Unless we inform you otherwise in the prospectus supplement, any agent will agree to use its reasonable best efforts to solicit purchases for the period of its appointment.

We or the selling securityholders may sell the securities directly to institutional investors or others who may be deemed to be underwriters within the meaning of the Securities Act with respect to any sale of those securities. We will describe the terms of any sales of these securities in the prospectus supplement.

Delayed Delivery Contracts

If we so indicate in the prospectus supplement, we or the selling securityholders may authorize agents, underwriters or dealers to solicit offers from certain types of institutions to purchase the securities from us at the public offering price under delayed delivery contracts. These contracts would provide for payment and delivery on a specified date in the future. The contracts would be subject only to those conditions described in the prospectus supplement. The prospectus supplement will describe the commission payable for solicitation of those contracts.

General Information

We and the selling securityholders may have agreements with the agents, dealers and underwriters to indemnify them against certain civil liabilities, including liabilities under the Securities Act, or to contribute with respect to payments that the agents, dealers or underwriters may be required to make. Agents, dealers and underwriters may be customers of, engage in transactions with or perform services for us in the ordinary course of their businesses.

Selling securityholders might not sell any securities under this prospectus. In addition, any shares of Common Stock covered by this prospectus that qualify for sale pursuant to Rule 144 under the Securities Act may be sold under Rule 144 rather than pursuant to this prospectus.

LEGAL MATTERS

Legal matters in connection with the issuance and sale of the securities offered hereby will be passed upon for us by Jones Day. Additional legal matters will be passed upon for any underwriters, dealers or agents by counsel named in the applicable prospectus supplement.

EXPERTS

The consolidated financial statements incorporated by reference in this prospectus and elsewhere in the registration statement have been so incorporated by reference in reliance upon the reports of Grant Thornton LLP, independent registered public accountants, upon the authority of said firm as experts in auditing and accounting.



PURECYCLE TECHNOLOGIES, INC.

PROSPECTUS

January 31, 2025

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuances and Distribution

The following table sets forth estimated expenses payable by us in connection with the issuance and distribution of the securities being registered, except for underwriting discounts and commissions. All the amounts shown are estimates. All of such expenses (other than SEC registration fees for certain selling securityholders) are being borne by us.

Securities and Exchange Commission registration fee	\$ *
Transfer agent and registrar fees	\$ (1)
Printing expenses	\$ (1)
Accountant's fees and expenses	\$ (1)
Legal fees and expenses	\$ (1)
Miscellaneous expenses	\$ (1)
Total	\$ (1)

* In accordance with Rules 456(b) and 457(r) under the Securities Act, the registrant is deferring payment of the registration fee for the securities offered by this prospectus.

(1) These fees are calculated based on the securities offered and the number of issuances and accordingly cannot be estimated at this time.

Item 15. Indemnification of Directors and Officers

We are incorporated under the laws of the State of Delaware. Section 145(a) of the DGCL, provides, in general, that a corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation), because he or she is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by the person in connection with such action, suit or proceeding, if he or she acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the best interests of the corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe his or her conduct was unlawful.

Section 145(b) of the DGCL provides, in general, that a corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor because the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees) actually and reasonably incurred by the person in connection with the defense or settlement of such action or suit if he or she acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the best interests of the corporation, except that no indemnification shall be made with respect to any claim, issue or matter as to which he or she shall have been adjudged to be liable to the corporation unless and only to the extent that the Delaware Court of Chancery or other adjudicating court determines that, despite the adjudication of liability but in view of all of the circumstances of the case, he or she is fairly and reasonably entitled to indemnity for such expenses that the Delaware Court of Chancery or other adjudicating court shall deem proper.

Section 145(g) of the DGCL provides, in general, that a corporation may purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the corporation, or is or was

II-1

serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against any liability asserted against such person and incurred by such person in any such capacity, or arising out of his or her status as such, whether or not the corporation would have the power to indemnify the person against such liability under Section 145 of the DGCL.

Our Amended and Restated Certificate of Incorporation provides that no director of the Company will be personally liable to the Company or its stockholders for or with respect to any breach of fiduciary duty or other act or omission as a director of the Company. In addition, our Amended and Restated Certificate of Incorporation provides that if the DGCL is amended to authorize the further elimination or limitation of the liability of directors, then the liability of a director of the Company shall be eliminated or limited to the fullest extent permitted by the DGCL, as so amended.

Our Amended and Restated Certificate of Incorporation further provides that any repeal or modification of such article by its stockholders or amendment to the DGCL will not adversely affect any right or protection existing at the time of such repeal or modification with respect to any acts or omissions occurring before such repeal or modification of a director serving at the time of such repeal or modification.

Our Amended and Restated Certificate of Incorporation also provides that it will indemnify each person who was or is a party or threatened to be made a party to any threatened, pending or completed action, suit or proceeding whether civil, criminal, administrative or investigative (other than an action by or in the right of the Company) by reason of the fact that he or she is or was, or has agreed to become, the Company's director or officer, or is or was serving, or has agreed to serve, at the Company's request as a director, officer, partner, employee or trustee of, or in a similar capacity with, another corporation, partnership, joint venture or other enterprise (all such persons being referred to as an "Indemnitee"), or by reason of any action alleged to have been taken or omitted in such capacity, against all Indemnifiable Losses if such Indemnitee acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the Company's best interests, and, with respect to any criminal action or proceeding, he or she had no reasonable cause to believe his or her conduct was unlawful, subject to limited exceptions. The Amended and Restated Certificate of Incorporation also provides that it will advance expenses to Indemnitees in connection with a legal proceeding, subject to limited exceptions.

We have entered into indemnification agreements with each of our directors and executive officers. These agreements provide that we will indemnify each of our directors and such officers to the fullest extent permitted by law and our Amended and Restated Certificate of Incorporation and Second Amended and Restated Bylaws.

We are also permitted to maintain insurance, at our expense, to protect us and any directors, officers, employees or agents or of another corporation, partnership, joint venture, trust or other enterprise against any expense, liability or loss, whether or not we would have the power to indemnify such person against such expense, liability or loss under the DGCL.

II-2

Item 16. Exhibits

The following documents are exhibits to the registration statement:

Exhibit No.	Description
1.1*	Form of Underwriting Agreement
2.1	Agreement and Plan of Merger, dated as of November 16, 2020, by and among Roth CH Acquisition I Co., Roth CH Acquisition I Co. Parent Corp., Roth CH Merger Sub, LLC, Roth CH Merger Sub, Inc. and PureCycle Technologies LLC (incorporated herein by reference to Exhibit 2.1 to the Company's Registration Statement on Form S-4, as amended)
3.1	Amended and Restated Certificate of Incorporation of PureCycle Technologies, Inc., filed with the Secretary of State of Delaware on March 17, 2021 (incorporated herein by reference to Exhibit 3.1 to the Company's Registration Statement on Form S-1, as amended))
3.2	Certificate of Amendment to the Amended and Restated Certificate of Incorporation of PureCycle Technologies, Inc. to Declassify the Board of Directors (incorporated herein by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on May 15, 2023)
3.3	Certificate of Amendment to the Amended and Restated Certificate of Incorporation of PureCycle Technologies, Inc. to Incorporate Certain Other Changes (incorporated herein by reference to Exhibit 3.2 to the Company's Current Report on Form 8-K filed on May 15, 2023)
3.4	Second Amended and Restated Bylaws of PureCycle Technologies, Inc. (incorporated herein by reference to Exhibit 3.3 to the Company's Current Report on Form 8-K filed on May 15, 2023)
3.5	Certificate of Designations of Series A Preferred Stock of PureCycle Technologies, Inc. (incorporated herein by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on September 13, 2024)
4.1*	Form of Warrant
4.2*	Form of Warrant Agreement
4.3*	Form of Unit Agreement
4.5*	Form of Purchase Contract Agreement relating to Purchase Contracts
4.6*	Form of Rights Certificate
4.7*	Form of Purchase Rights Agreement
4.7*	Specimen Preferred Stock Certificate
5.1**	Opinion of Jones Day
10.1**†	Side Letter agreement, dated December 20, 2024, by and between PureCycle Technologies, Inc. and The Procter & Gamble Company amending certain provisions of the Amended and Restated Patent License Agreement, dated July 28, 2020, by and between PureCycle Technologies LLC and The Procter & Gamble Company.
23.1**	Consent of Grant Thornton LLP, independent registered public accounting firm
23.2**	Consent of Jones Day (Included in Exhibit 5.1 to this Registration Statement)
24.1**	Power of Attorney (set forth on the signature page to this Registration Statement)

- 24.1** Power of Attorney (set forth on the signature page to this Registration Statement)
- 107** Filing Fee Table

** Filed herewith.

^{*} To be filed either by amendment or as an exhibit to a report filed under the Securities Exchange Act of 1934, as amended, and incorporated herein by reference.

[†] Certain information is this exhibit has been redacted pursuant to Item 601(a)(6) of Regulation S-K.

Item 17. Undertakings

The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (1)(i), (1)(ii) and (1)(iii) of this section do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which the prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or

prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities:

the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(6) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(7) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act of 1933 and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act of 1933 and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Orlando, State of Florida, on January 31, 2025.

PURECYCLE TECHNOLOGIES, INC.

|--|

Name: Dustin Olson Title: Chief Executive Officer

Each person whose signature appears below appoints Jamie Vasquez and Brad Kalter, or any one of them, each acting alone, as the true and lawful attorney-in-fact or agent, or attorneys-in-fact or agents, for each of the undersigned, with full power of substitution and resubstitution, and in the name, place and stead of each of the undersigned, to execute and file any and all amendments, including post-effective amendments, supplements and exhibits to this registration statement, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing necessary, appropriate or desirable to be done in and about the premises in order to effectuate the same as fully to all intents and purposes as he or she might or could do if personally present, hereby ratifying and confirming all that said attorneys-in-fact and agents, and each of them, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed below by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ Dustin Olson Dustin Olson	Chief Executive Officer and Director (Principal Executive Officer)	January 31, 2025
/s/ Jaime Vasquez Jaime Vasquez	Chief Financial Officer (Principal Financial Officer)	January 31, 2025
/s/ Gregory Barta Gregory Barta	Controller and Chief Accounting Officer (Principal Accounting Officer)	January 31, 2025
/s/ Daniel Coombs Daniel Coombs	Non-Executive Chairman of the Board	January 31, 2025
/s/ Steven F. Bouck Steven F. Bouck	Director	January 31, 2025
/s/ Tanya Burnell Tanya Burnell	Director	January 31, 2025
/s/ Jeffrey Fieler Jeffrey Fieler	Director	January 31, 2025

Table of Contents

Signature	Title	Date
/s/ Allen Jacoby Allen Jacoby	Director	January 31, 2025
/s/ Fernando Musa Fernando Musa	Director	January 31, 2025

JONES DAY

1221 PEACHTREE STREET, N.E. • SUITE 400 • ATLANTA, GEORGIA 30361

TELEPHONE: +1.404.521.3939 • JONESDAY.COM

January 31, 2025

PureCycle Technologies, Inc. 20 North Orange Avenue Suite 106 Orlando, Florida 32801

Re: Registration Statement on Form S-3 filed by PureCycle Technologies, Inc.

Ladies and Gentlemen:

We have acted as counsel for PureCycle Technologies, Inc., a Delaware corporation (the "Company"), in connection with the authorization of the possible issuance and sale from time to time, on a delayed basis, by the Company of an indeterminate amount of: (i) shares of common stock, par value \$0.001 per share, of the Company ("Common Stock"); (ii) shares of preferred stock, par value \$0.001 per share, in one or more series, which may be convertible into or exchangeable for Common Stock or other securities ("Preferred Stock"); (iii) rights to purchase Common Stock, Preferred Stock or other securities (the "Rights"); (iv) warrants to purchase Common Stock or other securities (the "Stock Purchase Contracts"), which may be issued separately or as part of units consisting of a Stock Purchase Contract and United States treasury securities, securing the holders' obligations to purchase Common Stock under the Stock Purchase Contracts (the "Stock Purchase Contracts"), which may be issued separately or as part of units consisting of a Stock Purchase Contract and United States treasury securities, securing the holders' obligations to purchase Common Stock under the Stock Purchase Contracts (the "Stock Purchase Contracts"), and (vii) units consisting of one or more of the forementioned securities in any combination ("Units"), in each case, as contemplated by the Registration Statement on Form S-3 to which this opinion has been filed as an exhibit (as the same may be amended from time to time, the **Registration Statement**"). The Common Stock, the Rights, the Warrants, the Stock Purchase Contracts, the Stock Purchase Units are collectively referred to herein as the "Securities." The Securities may be offered and sold from time to time pursuant to Rule 415 under the Securities Act of 1933, as amended (the "Securities Act").

In connection with the opinions expressed herein, we have examined such documents, records and matters of law as we have deemed relevant or necessary for purposes of such opinions. Based on the foregoing, and subject to the further limitations, qualifications and assumptions set forth herein, we are of the opinion that:

1. The shares of Common Stock, upon receipt by the Company of such lawful consideration therefor having a value not less than the par value thereof as the Company's Board of Directors (or an authorized committee or subcommittee thereof) may determine, will be validly issued, fully paid and nonassessable.

AMSTERDAM • ATLANTA • BEIJING • BOSTON • BRISBANE • BRUSSELS • CHICAGO • CLEVELAND • COLUMBUS • DALLAS DETROIT • DUBAI • DÜSSELDORF • FRANKFURT • HONG KONG • HOUSTON • IRVINE • LONDON • LOS ANGELES • MADRID MELBOURNE • MEXICO CITY • MIAMI • MILAN • MINNEAPOLIS • MUNICH • NEW YORK • PARIS • PERTH • PITTSBURGH SANDIEGO • SANFRANCISCO • SÃO PAULO • SHANGHAI • SILICON VALLEY • SINGAPORE • SYDNEY • TAIPEI • TOKYO • WASHINGTON

JONES DAY

PureCycle Technologies, Inc. January 31, 2025 Page 2

- 2. The shares of Preferred Stock, upon receipt by the Company of such lawful consideration therefor having a value not less than the par value thereof as the Company's Board of Directors (or an authorized committee or subcommittee thereof) may determine, will be validly issued, fully paid and nonassessable.
- 3. The Rights, upon receipt by the Company of such lawful consideration therefor as the Company's Board of Directors (or an authorized committee or subcommittee thereof) may determine, will constitute valid and binding obligations of the Company.
- 4. The Warrants, upon receipt by the Company of such lawful consideration therefor as the Company's Board of Directors (or an authorized committee or subcommittee thereof) may determine, will constitute valid and binding obligations of the Company.
- 5. The Stock Purchase Contracts, upon receipt by the Company of such lawful consideration therefor as the Company's Board of Directors (or an authorized committee or subcommittee thereof) may determine, will constitute valid and binding obligations of the Company.
- 6. The Stock Purchase Units, upon receipt by the Company of such lawful consideration therefor as the Company's Board of Directors (or an authorized committee or subcommittee thereof) may determine, will constitute valid and binding obligations of the Company.
- 7. The Units, upon receipt by the Company of such lawful consideration therefor as the Company's Board of Directors (or an authorized committee or subcommittee thereof) may determine, will constitute valid and binding obligations of the Company.

In rendering the foregoing opinions, we have assumed that: (i) the Registration Statement, and any amendments thereto, will have become effective (and will remain effective at the time of issuance of any Securities thereunder); (ii) a prospectus supplement describing each class or series of Securities offered pursuant to the Registration Statement, to the extent required by applicable law and relevant rules and regulations of the Securities and Exchange Commission (the "*Commission*"), will be timely filed with the Commission; (iii) the definitive terms of each class and/or series of Securities will have been established in accordance with the authorizing resolutions adopted by the Company's Board of Directors (or an authorized committee or subcommittee thereof), the Company's Amended and Restated Certificate of Incorporation, as

PureCycle Technologies, Inc. January 31, 2025 Page 3

amended (the "*Certificate of Incorporation*"), and applicable law; (iv) the Company will issue and deliver the Securities in the manner contemplated by the Registration Statement and any Securities issuable upon conversion, exchange or exercise of any other Security will have been authorized and reserved for issuance, in each case within the limits of the then remaining authorized but unreserved and unissued amounts of such Securities; (v) the resolutions authorizing the Company to issue, offer and sell the Securities will have been adopted by the Company's Board of Directors (or an authorized committee or subcommittee thereof) and will be in full force and effect at all times at which the Securities are offered or sold by the Company; (vi) all Securities will be issued in compliance with applicable federal and state securities laws; and (vii) any Purchase Rights Agreement, Warrant Agreement, Purchase Contract Agreement or Unit Agreement (each as defined below) and each Stock Purchase Unit or Unit will be governed by and construed in accordance with the laws of the State of New York and will constitute a valid and binding obligation of each party thereto other than the Company.

With respect to any Securities consisting of Preferred Stock, we have further assumed that the Company will issue and deliver the shares of Preferred Stock being issued and delivered after the filing with the Secretary of State of the State of Delaware of a certificate of amendment to the Certificate of Incorporation, approved by us, establishing the designations, preferences and rights of the class or series of Preferred Stock being issued and delivered.

With respect to any Securities consisting of Rights, we have further assumed that: (i) the purchase rights agreement, approved by us, relating to the Rights (the "*Purchase Rights Agreement*") to be entered into between the Company and an entity selected by the Company to act as the purchase rights agent (the "*Purchase Rights Agent*") will have been authorized, executed and delivered by the Company and the Purchase Rights Agent and (ii) the Purchase Rights will be authorized, executed and delivered by the Company and the provisions of the Purchase Rights Agreement.

With respect to any Securities consisting of Warrants, we have further assumed that: (i) the warrant agreement, approved by us, relating to the Warrants (the "*Warrant Agreement*") to be entered into between the Company and an entity selected by the Company to act as the warrant agent (the "*Warrant Agent*") will have been authorized, executed and delivered by the Company and the Warrant Agent and (ii) the Warrants will be authorized, executed and delivered by the Company of the Warrant Agreement.

With respect to any Securities consisting of Stock Purchase Contracts, we have further assumed that: (i) the purchase contract agreement, approved by us, relating to the Stock Purchase Contracts (the "*Purchase Contract Agreement*") to be entered into between the Company and an

JONES DAY

PureCycle Technologies, Inc. January 31, 2025 Page 4

entity selected by the Company to act as the purchase contract agent (the "*Purchase Contract Agent*") will have been authorized, executed and delivered by the Company and the Purchase Contract Agent and (ii) the Stock Purchase Contracts will be authorized, executed and delivered by the Company and the Purchase Contract Agent in accordance with the provisions of the Purchase Contract Agreement.

With respect to any Securities consisting of Stock Purchase Units, we have further assumed that each component of such Stock Purchase Units will be authorized, validly issued, fully paid and nonassessable (to the extent applicable) and will constitute a valid and binding obligation of the Company or any third party (to the extent applicable) as contemplated by the Registration Statement and the applicable Stock Purchase Unit agreement, if any.

With respect to any Securities consisting of Units, we have further assumed that each component of such Unit will be authorized, validly issued, fully paid and nonassessable (to the extent applicable) as contemplated by the Registration Statement and the applicable unit agreement (the "Unit Agreement"), if any.

The opinions expressed herein are limited by bankruptcy, insolvency, reorganization, fraudulent transfer and fraudulent conveyance, voidable preference, moratorium or other similar laws and related regulations and judicial doctrines from time to time in effect relating to or affecting creditors' rights generally, and by general equitable principles and public policy considerations, whether such principles and considerations are considered in a proceeding at law or at equity.

As to facts material to the opinions and assumptions expressed herein, we have relied upon oral or written statements and representations of officers and other representatives of the Company and others. The opinions expressed herein are limited to the laws of the State of New York and the General Corporation Law of the State of Delaware, in each case as currently in effect, and we express no opinion as to the effect of the laws of any other jurisdiction.

We hereby consent to the filing of this opinion as Exhibit 5.1 to the Registration Statement and to the reference to Jones Day under the caption "Legal Matters" in the prospectus constituting a part of the Registration Statement. In giving such consent, we do not thereby admit that we are included in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

/s/ Jones Day

THE PROCTER & GAMBLE COMPANY One Procter & Gamble Plaza Cincinnati, OH 45202

20 December 2024

PureCycle Technologies LLC 5950 Hazeltine National Drive Suite 300 Orlando, Florida 32822

Re: START OF SALES

Reference is made to the Amended and Restated Patent License Agreement (the "<u>TRANSACTION AGREEMENT</u>"), dated as of July 28, 2020 between The Procter & Gamble Company ("<u>P&G</u>") and PureCycle Technologies LLC ("<u>PCT</u>").

This letter agreement (this "<u>THIRD SIDE LETTER</u>") is being entered into by P&G and PCT to document certain agreements relating to, among other things, the START OF SALES of the 1st commercial plant (Ironton, OH) by PCT.

Accordingly, in consideration of the mutual obligations and promises contained herein and in the TRANSACTION AGREEMENT (the sufficiency of which the parties acknowledge), the PARTIES agree as follows:

1. <u>Defined Terms</u>. Capitalized terms used in this THIRD SIDE LETTER and not otherwise defined in this will have the meanings ascribed in the TRANSACTION AGREEMENT.

- 2. <u>START OF SALES</u>. The PARTIES agree to amend and replace Paragraph 4.4 of the TRANSACTION AGREEMENT as follows:
 - 4.4. START OF SALES. Before March 31, 2025, subject to Paragraph 4.3 (Plant Funding), LICENSEE will start and maintain commercial sales from the 1st commercial plant at a rate of 70% of annual nameplate capacity ('START OF SALES'). If LICENSEE is unable to start and maintain START OF SALES, then LICENSEE will be subject to the claw-back provisions of Paragraph 4.14 (COMMERCIAL PATENT LICENSE Claw-Back).

3. <u>Amendment; No Further Effect</u>. To the extent required, this THIRD SIDE LETTER will be deemed to be an amendment to the TRANSACTION AGREEMENT pursuant to Section 20.8 of the TRANSACTION AGREEMENT. Except as expressly set forth herein, this THIRD SIDE LETTER does not, by implication or otherwise, alter, modify, amend or in any way affect any of the terms, conditions, obligations, covenants or agreements contained in the TRANSACTION AGREEMENT.

1

4. Effective Date. This THIRD SIDE LETTER shall be effective as of 1 April 2023 (the "EFFECTIVE DATE").

5. <u>Governing Law; Jurisdiction</u>. All matters arising under or related to this THIRD SIDE LETTER are governed by applicable law as provided in the TRANSACTION AGREEMENT.

6. <u>Conflict of Terms</u>. If there is a conflict of terms between the TRANSACTION AGREEMENT and this THIRD SIDE LETTER, the TRANSACTION AGREEMENT governs.

7. <u>Counterparts</u>. This THIRD SIDE LETTER may be executed in multiple counterparts (any one of which need not contain the signatures of more than one PARTY), each of which will be deemed to be an original but all of which taken together will constitute one and the same agreement. This THIRD SIDE LETTER, to the extent signed and delivered by means of a facsimile machine or other electronic transmission (including e-signature), will be treated in all manner and respects as an original agreement and will be considered to have the same binding legal effects as if it were the original signed version thereof delivered in person.

IN WITNESS WHEREOF, the parties have caused this THIRD SIDE LETTER to be executed as of the day and year first written above (the "EFFECTIVE DATE").

Sincerely,

THE PROCTER & GAMBLE COMPANY

By: /s/ [***]

Name: [***] Title: [***]

Accepted and agreed:

PURECYCLE TECHNOLOGIES, LLC

By: /s/ Dustin Olson

Name: Dustin Olson Title: CEO

2

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We have issued our reports dated March 6, 2024 with respect to the consolidated financial statements and internal control over financial reporting of PureCycle Technologies, Inc. included in the Annual Report on Form 10-K for the year ended December 31, 2023 which are incorporated by reference in this Registration Statement. We consent to the incorporation by reference of the aforementioned reports in this Registration Statement, and to the use of our name as it appears under the caption "Experts".

/s/ GRANT THORNTON LLP

Southfield, Michigan January 31, 2025

Calculation of Filing Fee Table Form S-3 (Form Type)

PURECYCYLE TECHNOLOGIES, INC.

(Exact Name of Registrant as Specified in its Charters)

Table 1-Newly Registered and Carry Forward Securities

	Security Type	Security Class Title(1)	Fee Calculation or Carry Forward Rule(2) Newly Regis	Amount Registered tered Secu	Proposed Maximum Offering Price Per Unit rities	Maximum Aggregate Offering Price	Fee Rate	Amount of Registration Fee	Carry Forward Form Type	Carry Forward File Number	Carry Forward Initial effective date	Filing Fee Previously Paid In Connection with Unsold Securities to be Carried Forward
Fees to Be					inces							
Paid												
	Equity	Common Stock	Rules 456(b) and 457(r)	(3)	(3)	(3)	(3)	(2)				
	Equity	Preferred Stock	Rules 456(b) and 457(r)	(3)	(3)	(3)	(3)	(2)				
	Equity	Rights	Rules 456(b) and 457(r)	(3)	(3)	(3)	(3)	(2)				
	Equity	Warrants	Rules 456(b) and 457(r)	(3)	(3)	(3)	(3)	(2)				
	Other	Stock Purchase Contracts	Rules 456(b) and 457(r)	(3)	(3)	(3)	(3)	(2)				
	Other	Stock Purchase Units	Rules 456(b) and 457(r)	(3)	(3)	(3)	(3)	(2)				
	Other	Units	Rules 456(b) and 457(r)	(3)	(3)	(3)	(3)	(2)				
Fees Previously Paid	N/A	N/A	N/A	N/A	N/A	N/A		N/A				
			Carry Forw	ard Securi	ties				-			-
Carry Forward Securities	N/A	N/A	N/A	N/A		N/A			N/A	N/A	N/A	N/A
Securitos	11/74	11/71	Total Offering			N/A		N/A	11/21	11/21	11/11	11/11
	Total Fees Previously Paid							N/A				
	Total Fee Offsets						N/A					
	Net Fee Due							N/A				

(1) Any securities registered hereunder may be sold separately or as units with other securities registered hereunder.

(2) The Registrant is relying on Rule 456(b) and Rule 457(r) under the Securities Act of 1933, as amended, to defer payment of all of the registration fee. In connection with the securities offered hereby, the Registrant will pay "pay-as-you-go registration fees" in accordance with Rule 456(b). The Registrant will calculate the registration fee applicable to an offer of securities pursuant to this Registration Statement based on the fee payment rate in effect on the date of such fee payment.

(3) An indeterminate aggregate offering price or principal amount or number of the securities is being registered as may be offered from time to time at indeterminate prices and as may be issuable upon conversion, redemption, exchange, exercise or settlement of any securities registered hereunder, including under any applicable anti-dilution provisions.