

NEO: GLAS.A.U OTCQX: GLAS.F

Q4 2021 INVESTOR PRESENTATION

DISCLAIMERS



Cautionary Statements

This document is for information purposes only and should not be considered a recommendation to purchase, sell or hold a security. This presentation has been prepared for discussion purposes only and is not, and in no circumstances is to be construed as an advertisement, public offering, or prospectus related to the securities of Glass House Brands Inc. (the "Company" or "GHB") in any jurisdiction. No securities commission or similar authority in Canada, the United States or elsewhere has reviewed or in any way passed upon this presentation or the merits thereof and any representation to the contrary is an offence.

This presentation also contains or references certain market, industry and peer group data which is based upon information from independently verified. While the Company may not have verified the third-party information, they believe that it obtained the information from reliable sources and have no reason to believe it is not accurate in all material respects. No warranties or representations can be made as to the origin, validity, accuracy, completeness, currency or reliability of the information. The Company disclaims and excludes all liability (to the maximum extent permitted by law), for losses, claims, damages, demands, costs and expenses of whatever nature arising in any way out of or in connection with the information in this presentation, its accuracy, completeness or by reason of reliance by any person on any of it including, without limitation, the choice of comparable companies, or any information related thereto. This presentation as legal, financial or tax advice to any investor, as each investor's circumstances. In making an investment decision, investors should not rely solely on the information contained in this presentation.

Neither the delivery of this presentation, at any time, nor any trade in securities made in reliance on this presentation, will imply that the information is correct as of any time subsequent to the date set forth on the cover page of the presentation or the date at which such information is expressed to be stated, as applicable. Investing in securities of the Company involves risks. See "Risk Factors included in our Q3 2021 Management's Discussion and Analysis ("MD&A") and the Non-Offering Prospectus dated May 6th 2021 on SEDAR at www.sedar.com (the "**Risk Factors**"). This presentation does not constitute an offer to sell or the solicitation of an offer to buy any securities.

All financial information is in U.S. dollars, unless otherwise indicated,

Forward Looking Information

Certain information set forth in this presentation and any other information that may be furnished to prospective investors by the Company in connection therewith, other than statements of historical fact, may be considered "forward-looking statements" and "forward-looking information" within the meaning of applicable Canadian securities legislation (referred to herein as forward-looking statements). Forward-looking statements related to the Corporation's business strategy objectives and goals, and the Corporation's management's assessment of future plans and operations which are based on management's current internal expectations, estimates, projections, assumptions and beliefs, which management's assessment of future plans and operations which are based on management's current internal expectations, estimates, projections, assumptions and beliefs, which management's assessment of future plans and operations which are being the future plans and operations which are sufficiently interest. Forward-looking statements related to the corporation's business strategy objectives and goals, and the Corporation's management's assessment of future plans and operations which are being the future plans and operations which are sufficiently interest. Forward-looking statements related to the corporation's business strategy objectives and goals, and the corporation's business strategy objectives a

In particular, and without limiting the generality of the foregoing, forward looking statements in this presentation include statements related to the buildout and development of the cultivation facility owned by the Company's Deviation for Scale production and distribute products, the expected outcome of the litigation with Incompany's products; the Company's business plans and strategies; the addressable markets for the Company's retail expansion of products, the development and expansion of the Company's brands; strategies; the Company's investment in new technologies and products; the Company's expansion of production capacity; the development and expansion of the Company's brands; strategies cacquisition opportunities; the proposed Element 7 mergers and associated litigation; and the Company's future financial performance. In addition, the financial projections and estimates contained under "Pro Forma Wholesale Biomass Economics" and elsewhere in this presentation, including proforma gross profit and gross profit margin constitute "forward looking information" within the meaning of applicable securities laws. Such information is being provided to demonstrate potential future outcomes and may not be appropriate for other purposes and should not be relied upon as necessarily being indicative of future financial results. Forward looking statements include, but are not limited to, those described in the Risk Factors and the other risk factors indentified in this presentation. Although the Company has attempted to identify the main risk factors that could cause actual results to differ materially from those expressed in such forward-looking statements contained in forward-looking statements contained in forward-looking statements are based upon what the Company believes are reasonable assumptions, you are cautioned against placing undue reliance on these expressed in such forward-looking statements. Any data demonstrating the historical performance and are not necessarily indicative of the Company. Consequently

Non-GAAP Measures

This presentation makes reference to certain non-U.S. GAAP measures, such as proforma gross profit and gross

Cannabis-related Activities are Illegal Under U.S. Federal Laws

The Company derives 100% of its revenues from doing business in the cannabis industry in the U.S. The concepts of "medical cannabis" do not exist under U.S. Federal law. The U.S. Federal Controlled Substances Act classifies "marihuana" as a Schedule I drug. Accordingly, cannabis-related practices or activities, including, without limitation, the manufacture, sale, importation, possession, use or distribution of cannabis and its derivatives, are illegal under U.S. federal law and the enforcement of the relevant laws poses a significant risk. These laws and their enforcement are in flux and vary dramatically from jurisdiction to jurisdiction. The enforcement of these laws and its effect on the Company and its business, employees, directors and shareholders are uncertain, and accordingly, involve considerable risk. Strict compliance with state laws with respect to cannabis will neither absolve the Company of liability under U.S. federal law, nor will it provide a defense to any federal proceedings brought against the Company may adversely affect the Company's operations and financial performance.





LARGEST CULTIVATION FOOTPRINT, UNMATCHED CAPACITY

UP TO 6M SQ. FT. OF BEST-IN-CLASS CULTIVATION FACILITIES



A BRAND-BUILDING MACHINE IN THE #1 US MARKET

CRAFT CANNABIS AT SCALE AND
PREDICTABLE SUPPLY CAPABILITY
SUPPORT THE SUCCESS OF OUR
BRANDED PRODUCTS



CALL OPTION ON INTERSTATE COMMERCE

STRONGLY POSITIONED TO

CARRY LEADING MARKET SHARE

AND COST ADVANTAGE

NATIONWIDE



COMPELLING COST STRUCTURE

100% OWNED CULTIVATION
ASSETS



DEVELOPING THE LARGEST RETAIL, DELIVERY AND DISTRIBUTION NETWORK

STRONG ACCESS TO CUSTOMER
TOUCH AND SHELF SPACE TO
DRIVE BRAND AWARENESS AND
PLACEMENT



TOP ESG PLAY IN CALIFORNIA CANNABIS

95% LOWER CO₂ EMISSIONS AND ENERGY USE THAN THE AVERAGE INDOOR GROW



1

C A N N A B I S C O M P A N Y

IN THE

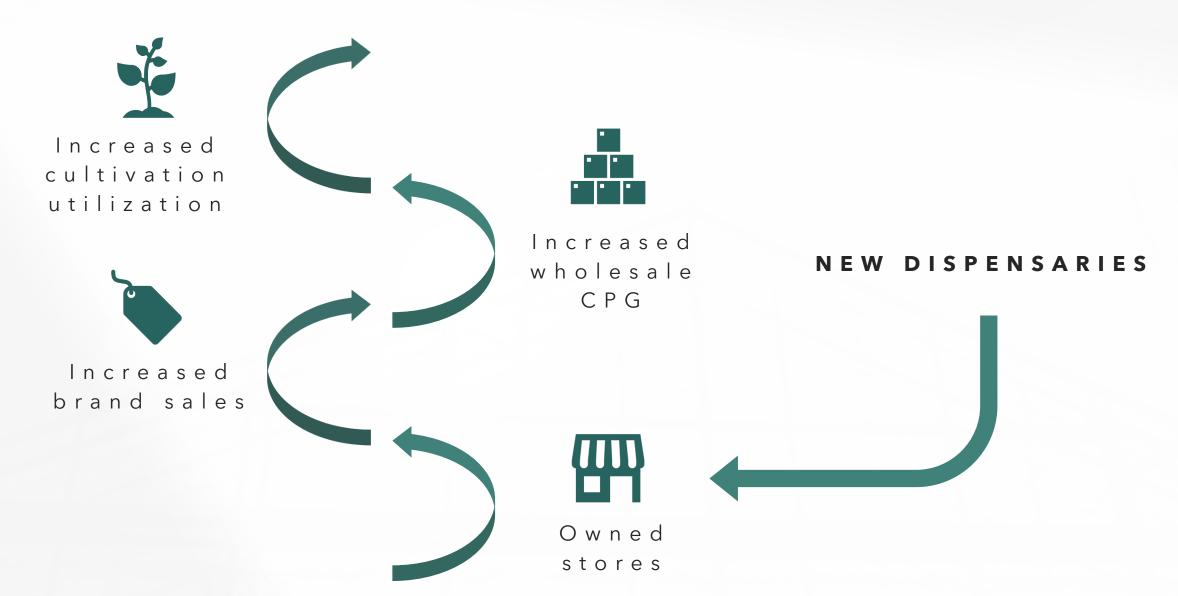
1

MARKET IN THE WORLD

MISSION

PROFITABLE VERTICALLY-INTEGRATED
CANNABIS COMPANY IN CALIFORNIA,
DELIVERING BRANDS TO CONSUMERS
ACROSS ALL SEGMENTS









31 MADULTS



280 MTOURISTS



> **8,500**CULTIVATORS



> 1 , 0 0 0

DISTRIBUTORS



> 1 , 2 5 0

RETAILERS 1

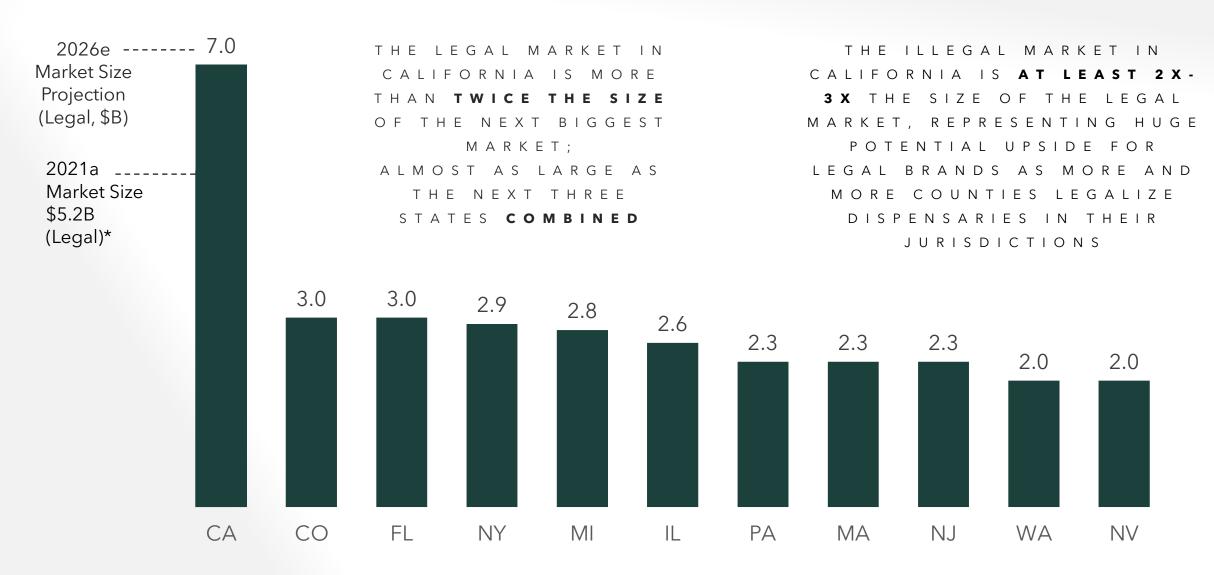


> 1,600

BRANDS

CALIFORNIA: LARGEST SINGLE US CANNABIS MARKET





UNMATCHED CAPACITY AND EXPANDING RETAIL FOOTPRINT





EXPANDING RETAIL FOOTPRINT

- 3 new retail locations
 - 2 new GHB licenses (Isla Vista and Santa Ynez) and 1 acquired from Element 7 (Eureka)^{1,3}
 - After further review of the economics of the Dunsmuir location, we decided not to move ahead.
 - Projected \$15M in additional revenue in 2023
 - Actively seeking other new retail locations via M&A.

- 1. Assumes the completion of, licensing, leasing, and completion of buildout for each licensed location.
- 2. Partially owned but managed by the Company, this asset is not consolidated in Company Financial Statements.
- 3. The transfer of 17 total licenses from E7 is pending the outcome of a legal suit GHB filed against E7. It is difficult to project the timing for resolution of the suit or its outcome, as a result we do not display any of the 15 licenses at issue in that litigation in this retail footprint map.

OPERATIONS: THE SOCAL GREENHOUSE-UNMATCHED CAPACITY



5.5M SQ. FT. OF HIGH-TECH, BEST-IN-CLASS, CONTROLLED-ENVIRONMENT GREENHOUSES

20 ACRES OF SUPPLEMENTAL LIGHT: INDOOR QUALITY AT CLOSE-TO-OUTDOOR COSTS



UNMATCHED CAPACITY

OPERATIONS: EXPANDING FOOTPRINT



NEW, UNMATCHED CAPACITY

- 165-acre property in Southern California (SoCAL)
- Planned 5.5M sq. ft. of cultivation across 6 state-of-the-art greenhouses to be built out in 3 Phases.
- 1.7M dry pounds of cannabis per annum after full greenhouse conversion
- Phase 2: +1.7MM SQ. FT. -(2 greenhouses)¹
- **Phase 1**: +1.6MM SQ. FT. (1 nursery and 1 greenhouse, retrofit commenced in 2H $2021)^{1}$

SoCAL 2023-2024

SoCAL 2022

PADARO 2020

Q4 2020: 350,000 sq. ft Q3 2020: 280,000 sq. ft Q2 2020: 210,000 sq. ft Q1 2020: 140,000 sq. ft

CASITAS 2017

Q4 2017: 150,0000 sq. ft Q3 2017: 100,000 sq. ft Q2 2017: 50,000 sq. ft

3.8M SQ. FT

2.1M SQ. FT

500k SQ. FT

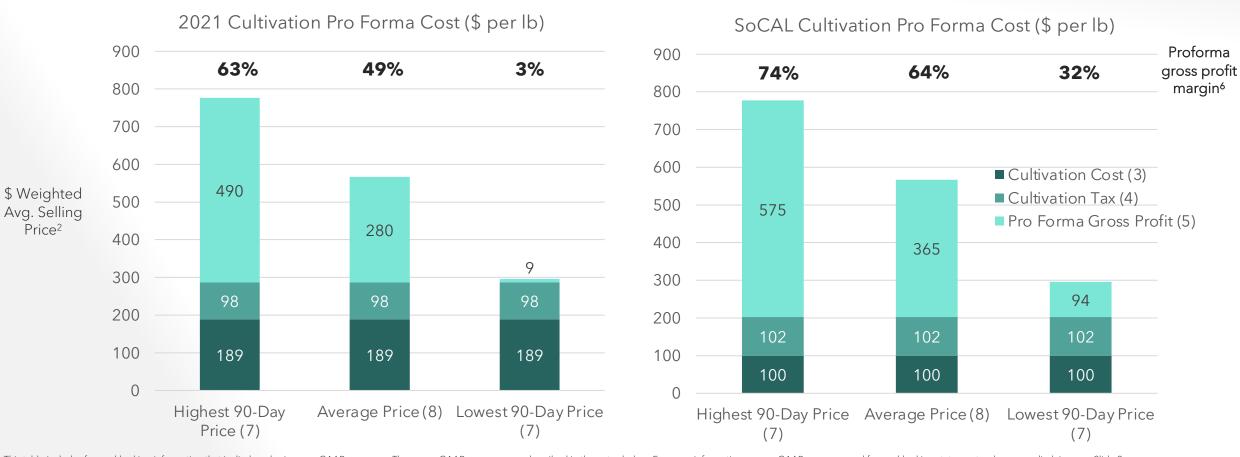
150k SQ. FT

Cumulative SQ FT

1. Assumes sufficient capital for conversion, the availability of additional licenses, and supporting market conditions



PRO FORMA WHOLESALE BIOMASS ECONOMICS¹



- 1. This table includes forward-looking information that is disclosed using non-GAAP measures are described in the notes below. For more information on non-GAAP measures and forward-looking statements, please see disclaimer on Slide 2. 2. Weighted Average Selling Price = the individual selling price for flower, smalls and trim multiplied by the expected mix of product for each product sold. Actual product mix may not match the expected product mix, please see disclaimer on Slide 2.
- 3. Cultivation cost includes all expenses from nursey and cultivation to curing and trimming at which point the product is ready for sale as wholesale cannabis or to be transferred to CPG.
- 4. Cultivation Tax = the weighted cultivation tax due based on the proforma expected mix.
- 5. Proforma Gross Profit = Weighted Average Selling Price minus Cultivation Cost minus Cultivation Tax.
- 6. Proforma Gross Profit Margin = Proforma Gross Profit divided by Weighted Average Selling Price
- 7. Highest 90-day price / lowest 90-day price = the period from Jan 20 to Dec 21 where we had the highest and lowest weighted average selling price for 3 contiguous months.
- 8. Average Price = the remaining time periods excluding the highest and lowest periods from Jan. 20 to Dec 21
- 9. The purpose of this financial analysis is to provide investors with a basis for analysis of the Company's proforma cost structure once the SoCal Facility begins production. Readers are cautioned that the information may not be appropriate for other purposes.

RETAIL AND DISTRIBUTION



DELIVERY

THE FARMACY - SANTA ANA

11 coolest dispensaries - VenueReport



THE FARMACY - SANTA BARBARA Voted best local dispensary 2020 and 2021

THE FARMACY SANTA YNEZ^{1,3}







THE FARMACY EUREKA^{1,3}







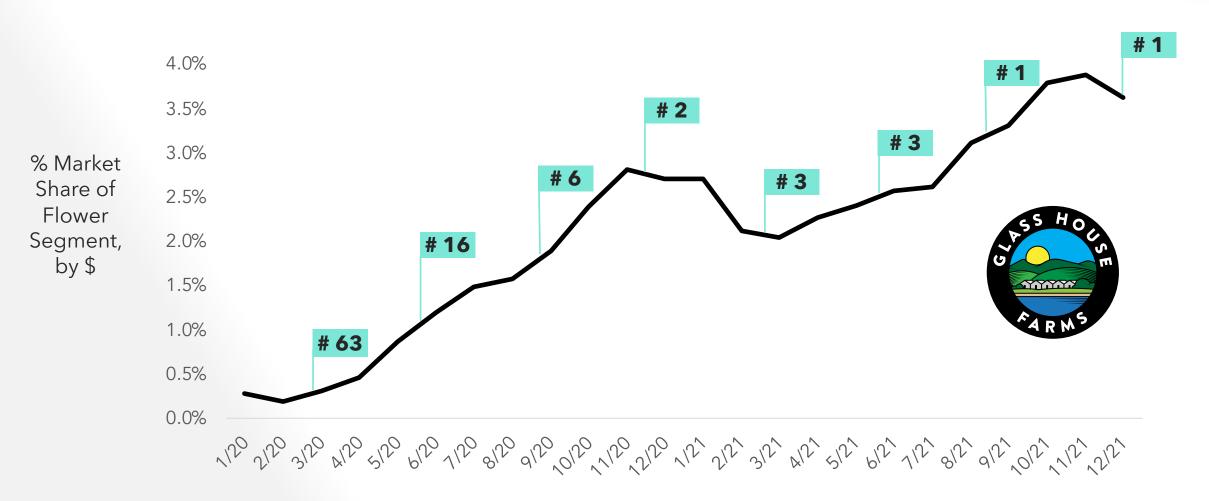


THE FARMACY - BERKELEY Best delivery East Bay 2021

- Pending final land use permits and state licenses. See Forward-Looking Statements
 Partially owned and not consolidated in Company Financial Statements
- 3. Rendering of proposed improvement plan.



IN LESS THAN 20 MONTHS, OUR FIRST BRAND REACHED #1 FLOWER RANK AND DEMONSTRATED STEADINESS IN A VOLATILE AND VERY COMPETITIVE MARKET





EXISTING BRANDS COVER 70% OF CANNABIS CATEGORIES





GLASS HOUSE BRANDS TO BECOME THE ONLY CALIFORNIA COMPANY WITH A TOP 5 POSITION IN BOTH FLOWER AND EDIBLES

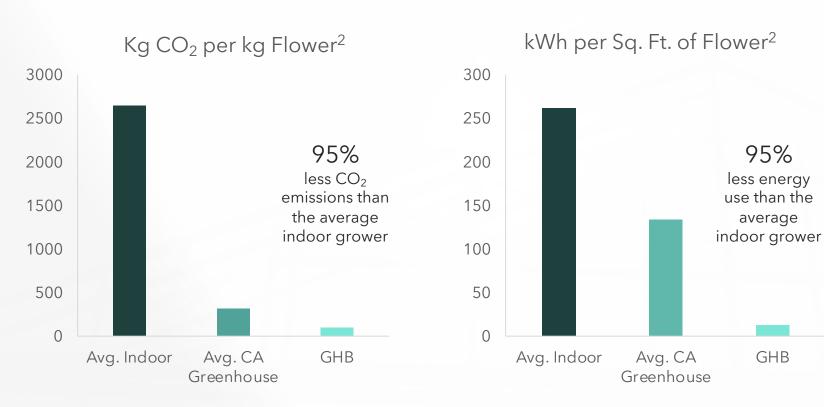
- PLUS was the No. 4 ranked edibles brand in California by sales in Q4 2021¹
- Potential \$14M in incremental annual revenue, based on PLUS 2021 run rate
- Geographic synergy: building a platform for future interstate Glass House Farms flower sales
- Acquisition is expected to close in Q2 2022



1. Based on BDSA retail sales tracking



- STRATEGICALLY LOCATED IN CALIFORNIA, WHERE GROWING CONDITIONS ARE OPTIMAL
- FOCUS ON ENERGY EFFICIENCY WITH SOLAR AND COGENERATION CAPABILITIES
- ESG MANDATED U.S. AUM ARE FORECAST TO REACH \$53 TRILLION BY 2025¹





SUSTAINABLE LEADERSHIP

AWARD WINNER

2020: Stewardship

2021: Energy

 $^{1. \} Bloomberg: https://www.bloomberg.com/professional/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-assets-may-hit-53-trillion-by-2025-a-third-of-global-aum/blog/esg-$

^{2.} Seinergy July-2021, GHB commissioned study

MEET THE GLASS HOUSE TEAM





KYLE KAZAN Co-founder, Chairman & CEO



GRAHAM FARRAR
Co-founder, President & Board Director



MARK VENDETTI Chief Financial Officer



DARYL KATO Chief Operating Officer



ERIK THORESEN

Chief Business Development Officer



JOHN
BREBECK
VP Investor Relations



B E N
V A S Q U E Z
VP Farm Operations



JENNIFER
BARRY
VP Retail



GERRIT
VANDERKOOY
VP Cultivation



JACQUELINE
DE GINESTET
VP Sales



FRANCESCA

BROOKS

VP Human Resources



JAMIN HORN General Counsel





	NUMBER	REFERENCE PRICE	NOTES
Securities			
Subordinate voting shares (SVSs)	56,820,189		
Restricted stock units	3,230,948		
Stock options	2,087,784	\$2.78	
Assumed warrants ¹	28,489,500	\$11.50	SVSs issuable; June 29, 2026 expiry
Issued warrants	4,928,578	\$10.00	SVSs issuable; June 29, 2024 expiry
WhiteHawk warrants	2,000,000	\$11.50	SVS, restricted or limited voting share issuable; June 29, 2026 expiry
Contingencies			
Contingent earnout ¹	6,306,095	\$13.00 or \$15.00	June 29, 2023 expiry
Capital-based earnout ¹	616,156		June 29, 2022 expiry
Contingent shares ²	3,500,000	\$10.00	
Contingent earnout ²	7,500,000	\$10.00	

^{1.}Associated with business combination with Mercer Park SPAC, which closed on June 29, 2021
2. Associated with the Southern California greenhouse facility acquisition which closed on September 14, 2021. Assumes \$10 / share.

As at December 31, 2021, the Company had: (i) 4,754,979 Multiple Voting Shares outstanding, which are excluded from capitalization as they have no economic rights (50 common equivalent voting rights only), and (ii) 159,736 Stock Appreciation Rights which are excluded from capitalization as they are cash-settled.



APPENDIX

BOARD OF DIRECTORS





KYIF KA7AN

- Co-founder, Chairman & CEO of Glass House Group
- 30+ years of successful Private Equity & investment experience with focus on real estate
- Launched 23 PE funds, over \$2.75B current value owned & managed properties
- Joined cannabis industry in 2016, co-founding what would become Glass House Group
- Former law enforcement officer & special ed teacher
- Frequent guest professor in business; graduate of and former varsity basketball player for USC



GRAHAM FARRAR

- Co-founder, President & Board Director of Glass House Group
- 20+ years of serial entrepreneurship, including taking two companies public
- Part of original/founding teams at Software.com, Sonos, & iStoryTime Inc. (zuuka)
- Joined cannabis industry by founding Elite Garden Wholesale, an ag-tech hydroponics supply company
- Board member of Seacology, Heal the Ocean, and Santa Barbara Bowl Foundation



JAMIE MENDOLA

- Head of Strategy and M&A at Mercer Park LP and AYR Wellness
- 20 years of experience as a private and public equity investor
- Founder and CEO of Pacific Grove Capital, a long-short hedge fund that also launched one of the earliest dedicated SPAC funds in the United States
- Former Partner at Scout Capital, a \$7B hedge fund
- Previous experience at J.P. Morgan, JLL Partners, and Watershed Capital
- B.S. from Binghamton University and 4-year baseball letterman; M.B.A. from Stanford's Graduate School of Business



HUMBLE LUKANGA

- Founder of Life Line Financial Group, premiere wealth management firm servicing some of the best-known performers & leaders in business, sports & entertainment
- Trustee of the University of New Mexico; Board Director for several companies & foundations
- B.A. & M.B.A. University of New Mexico; certified CFP; UCLA Personal Finance Planning degree
- Named to The Hollywood Reporter's Top Business Managers list for 3 years running; New Mexico Business Weekly's "Top 40 Under 40"

BOARD OF DIRECTORS (CONT'D)





JOCELYN ROSENWALD

- Co-founder and Board Director of Glass House Group
- Veteran of real estate investment industry; most recently, successfully managed \$500M portfolio
- Since 2016, supervised operations of the 4 funds that would become Glass House Group
- B.A. University of Pennsylvania; M.A. in Education, Hunter College; M.B.A UCLA
 Anderson School of Business
- Teach for America alumna, founding teacher at KIPP Star Elementary School



HECTOR DE LA TORRE

- Member of California State Assembly representing L.A. 2004-2010; member of South Gate City Council for 8 years, including 2 as Mayor
- Current Chair of L.A. Care, the largest public health plan in U.S.; Trustee of
 Occidental College; former Executive Director of national nonprofit Transamerica
 Center for Health Studies
- Former Chair of state Budget Subcommittee on Health & Human Services, Rules
 Committee, and Accountability & Administrative Review Committee, among others
- Assembly-Appointed Member of California Air Resources Board since 2011, with focus on goods movement, the environment and green tech
- Graduate of Occidental College; graduate work at the Elliott School of International Affairs at the George Washington University
- Early, vocal advocate for cannabis policy reform



GEORGE RAVELING

- First African American basketball coach in the Pac-8 (now Pac-12); head coach at Washington State, University of Iowa, & USC; assistant coach of medal-winning 1984 and 1988 US Olympic teams
- Nike's former Director of International Basketball; former commentator for Fox Sports & CBS
- Inducted into Naismith Memorial Basketball Hall of Fame, National Collegiate Hall of Fame;
 recipient of John W. Bunn Lifetime Achievement Award
- Author of two books; co-founder (w/Michael Lombardi) of The Daily Coach leadership program
- B.S. in Economics from Villanova University, where he is also in the Villanova Hall of Fame



BOB HOBAN

- 12-year veteran of the cannabis industry and Founder of Hoban Law Group, a leading global full-service commercial cannabis law firm and the first of its kind
- Co-Founder of Gateway Proven Strategies, a leading global cannabis industry consulting firm
- Has founded, created, bought, and sold over 15 of his own cannabis companies
- Crafted cannabis policy solutions for over 30 countries
- Widely recognized by a variety of publications and organizations as one of the most influential people in the global cannabis industry



NEO: GLAS.A.U OTCQX: GLAS.F