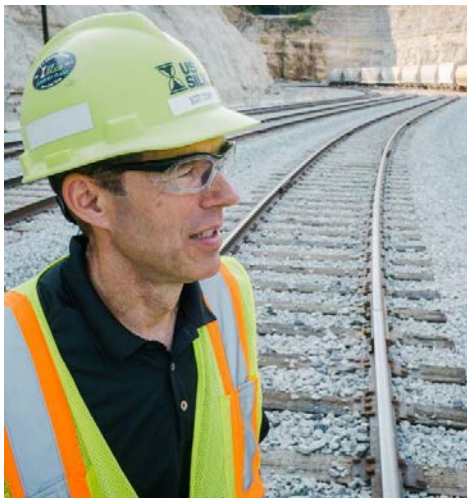


Investor Presentation

December 2020



Forward Looking Statements



This presentation includes “forward-looking statements” within the meaning of the federal securities laws - that is, statements about the future, not about past events. Forward-looking statements give our current expectations and projections relating to our financial condition, results of operations, plans, objectives, future performance and business. These statements may include words such as “anticipate,” “estimate,” “expect,” “project,” “plan,” “intend,” “believe,” “may,” “will,” “should,” “could,” “can have,” “likely” and other words and terms of similar meaning. Forward-looking statements made include any statement that does not directly relate to any historical or current fact and may include, but are not limited to, statements regarding the Company’s growth opportunities, strategy, future financial results, forecasts, projections, plans and capital expenditures, technological innovations, ability to reduce costs or idle plants, the impacts of COVID-19 on the Company’s operations, and the commercial silica and diatomaceous earth industry. Forward-looking statements are based on our current expectations and assumptions, which may not prove to be accurate. These statements are not guarantees and are subject to risks, uncertainties and changes in circumstances that are difficult to predict. Many factors could cause actual results to differ materially and adversely from these forward-looking statements. Among these factors are global economic conditions; the effect of the COVID-19 pandemic on markets the Company serves, fluctuations in demand for commercial silica, diatomaceous earth, perlite, clay and cellulose; fluctuations in demand for frac sand or the development of either effective alternative proppants or new processes to replace hydraulic fracturing; the entry of competitors into our marketplace; changes in production spending by companies in the oil and gas industry and changes in the level of oil and natural gas exploration and development; general economic, political and business conditions in key regions of the world; pricing pressure; weather and seasonal factors; the cyclical nature of our customers’ business; our inability to meet our financial and performance targets and other forecasts or expectations; our substantial indebtedness and pension obligations, including restrictions on our operations imposed by our indebtedness; operational modifications, delays or cancellations; prices for electricity, natural gas and diesel fuel; our ability to maintain our transportation network; changes in government regulations and regulatory requirements, including those related to mining, explosives, chemicals, pharmaceuticals, and oil and gas production; silica-related health issues and corresponding litigation; and other risks and uncertainties detailed in our Forms 10-K, 10-Q, and 8-K filed with or furnished to the U.S. Securities and Exchange Commission. If one or more of these or other risks or uncertainties materialize (or the consequences of such a development changes), or should underlying assumptions prove incorrect, actual outcomes may vary materially from those reflected in our forward-looking statements. The forward-looking statements speak only as of the date hereof, and we disclaim any intention or obligation to update publicly or revise such statements, whether as a result of new information, future events or otherwise.

Today's Agenda

Time (CT)	Speaker	Title
3:00 - 3:15 p.m.	Bryan Shinn, CEO	Introductory Remarks & Company Overview
3:15 - 3:30 p.m.	J.P. Blanchard, SVP and President, Performance Materials (PM)	PM Overview & New Products Spotlight
3:30 - 3:45 p.m.	Zach Carusona, SVP and President, Specialty Minerals (SM)	SM Overview & New Products Spotlight
3:45 - 4:00 p.m.	Investor Q&A Session	Q&A

Speaker Bios

Bryan Shinn



- Served as President from 2011-2020 and as CEO and Board member since 2012
- Prior to joining U.S. Silica, held key leadership roles at DuPont from 1983 to 2009, including Global Business Director and Global Sales Director
- BS in Mechanical Engineering from the University of Delaware

J.P. Blanchard



- President of Performance Materials since 2018
- Joined U.S. Silica as VP and General Manager of ISP in 2011
- Prior to joining U.S. Silica, served in several leadership roles at Pfizer, Owens Corning, including the Global Business Director at Johns Manville
- MBA from the University of Michigan and BS in Chemical Engineering from Michigan Technological University

Zach Carusona



- President of Specialty Minerals since 2018
- Joined U.S. Silica in 2011 and took on roles of increasing responsibility in strategy, supply chain and business development, most recently as VP of Business Development for SandBox
- Prior to joining U.S. Silica, worked as strategy consultant at Accenture
- MBA from Northwestern University and BS in Mechanical Engineering from the University of Illinois



BRYAN SHINN

— CEO

U.S. SILICA AT A GLANCE

Who We Are

U.S. Silica (NYSE: SLCA) is a diversified performance materials and industrial minerals company

- ✓ Positioned for sustainable, long-term growth
- ✓ Developing innovative products in industrial businesses
- ✓ Serve numerous critical industries such as food and beverage production, housing, automotive, glass, biopharma and oil & gas
- ✓ Core competencies in mining, processing, logistics and materials science with a rich 120-year history



Katy, TX

Headquarters



~1,500

Employees



23

Active Production
Facilities



Industry Leading

ESG Platform



\$1.5B

Enterprise Value¹



\$1.5B

2019 Revenue

Leader

Industrial minerals markets

\$200M+

In new products under development²

~33%

Market share in proppant last mile logistics

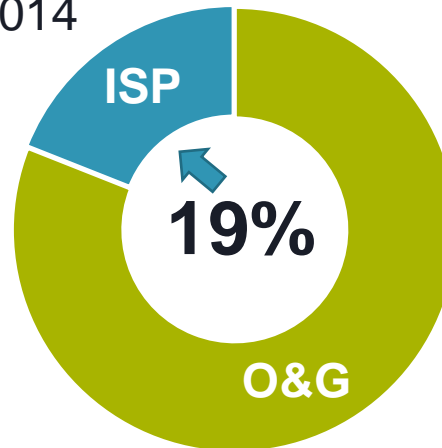
The ONLY

Ground to ground supplier of proppant

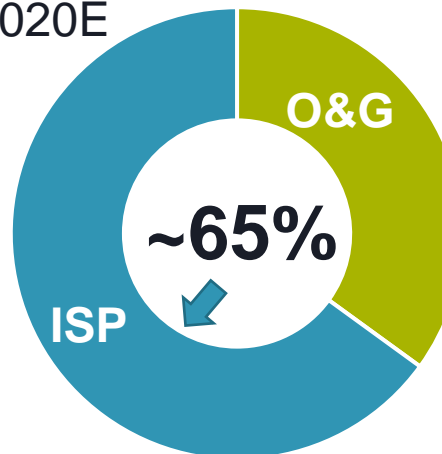


Diversifying Profits¹

2014



2020E



Industrial & Specialty (ISP) Products Segment

- ~65% of total company profits
- Very stable and resilient through cycles
- High barriers to entry
- Sticky customer relationships
- Double digit CAGR outlook over the next five years

Oil & Gas Proppants (O&G) Segment

- Industry leading cost structure
- Optimally located mines
- SandBox – leading last-mile logistics solution
- State-of-the-art proppant storage, handling and well-site delivery

¹ Estimated 2020 Contribution Margin

² Estimated Contribution Margin at maturity from ISP new product pipeline

ISP Supports Diverse End Markets

Our products are found in many of the things you see and touch every day

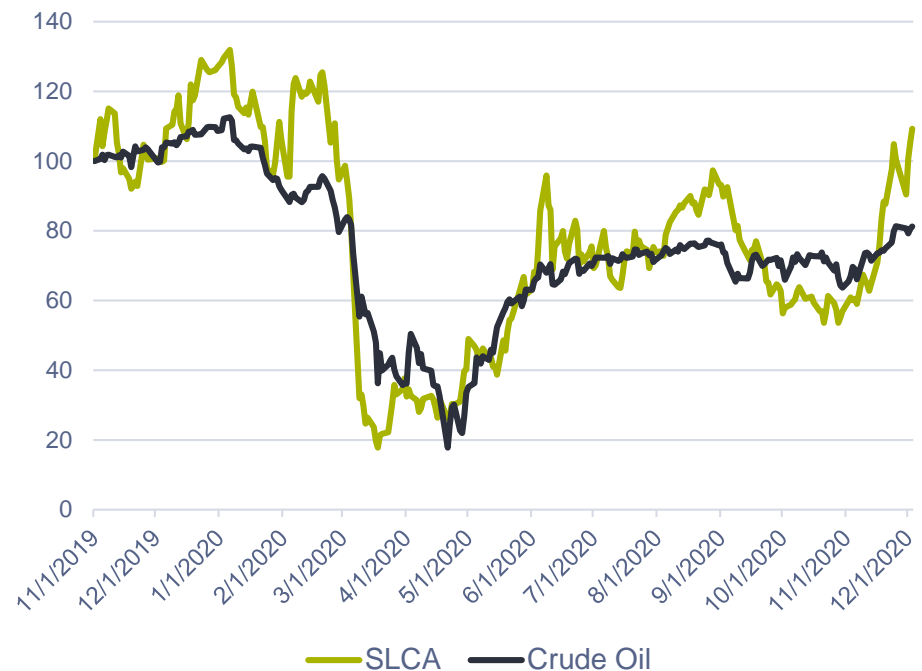


U.S. SILICA AT A GLANCE

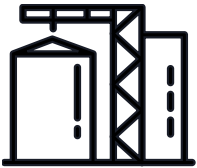
Investment Opportunity

- Majority of company profits tied to industrial end markets
- Macro drivers include food and beverage demand, housing starts and automotive sales
- Market valuation not aligned with business mix

SLCA share price performance still correlated to crude oil despite increasing exposure to high-growth industrial end markets



Our 3 Strategic Priorities



GROW INDUSTRIAL

- Grow volume and price in current markets at GDP+
- Develop and launch higher margin, value added specialty and performance products in target markets
- Leverage lean supply chains to effectively serve new customers



REPOSITION OIL & GAS

- Match capacity to customer demand
- Align support costs with market needs
- Increase share with market leading customers



PRIORITIZE FREE CASH FLOW

- Efficient, targeted capital investment
- Control spending
- Deploy FCF to further strengthen the balance sheet

ISP Segment Services a Diverse Mix of End Markets and Long Term Customers

% of 2020E ISP Revenue

Absorbents | 10%

- Automotive
- Accidents & Spills
- Pet Litter

Clays | 9%

- Chemical & Petrochemical
- Gas Processing & Refining
- Dimerization

Additives | 9%

- Animal Feed
- Cosmetics
- Paper & Plastic
- Paint & Coatings

Building Products | 14%

- Grouts & Mortars
- Specialty Cements
- Quartz Surfaces
- Roofing Shingles

Misc./Other | 8%

- Foundry
- Golf Sand
- Pool Filtration
- Forensic Testing

Glass | 19%

- Smartphones & Tablets
- Containers
- Automotive Glass
- Fiberglass

Fillers & Extenders | 4%

- Performance Coatings
- Architectural, Industrial and Traffic Paints
- Silicone Rubber

Filtration | 24%

- Beverages
- Pharmaceutical
- Biofuels
- Edible Oils

Chemicals | 3%

- Silica-based Chemicals
- Ceramics
- Sodium Silicates
- Silicon Carbide



>800 products, critical raw materials for long-term customers

Key SLCA products support numerous important value chains

- Our low iron specialty silica is necessary to produce glass that transmits enough of the sun's energy to solar panel cells

Solar Energy



- Our specialty silica is a critical component in fiberglass for wind turbine blades

Wind Power



- Our Microsil product is used to produce gas particulate filters for diesel engines

Lower Auto Emissions



- DE is a key processing aid in biodiesel and green diesel production

Biodiesel



- Natural removal of heavy metals from food

Food Safety



Compelling New Product Pipeline¹

EverWhite™ Cristobalite

- Key ingredient in high-end quartz countertops for homes
- Market Growth: 5%-10%
- North America TAM: \$190M+

Organic Pesticide

- Removing chemicals from our food supply chain
- Market Growth: 8%-10%
- North America TAM: \$150M+

Cool Roof Granules

- Reflects 80% of solar heat and reduces energy costs
- Market Growth: 10%-15%
- Global TAM: \$150M+

Blood Plasma Filtration

- Using diatomaceous earth to filter blood plasma
- Market Growth: 8%-12%
- Global TAM: ~\$40M

Reinforcing Fillers

- Affordably increasing the strength and durability of polymers
- Market Growth: 6%-8%
- Global TAM: \$3B+

Sustainable Fuel Production

- Turning oil waste into the fuel of tomorrow
- Market Growth: ~15%
- Global TAM: \$2B-\$3B

Pozzolans

- Next generation stronger, more durable concretes
- Market Growth: 7%-10%
- North America TAM: \$100M+

Lightweight Absorbents

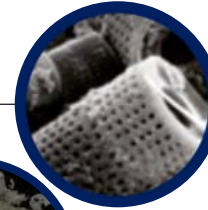
- Premium product in a resilient retail category
- Market Growth: ~10%
- North America TAM: \$20M+



J.P. BLANCHARD

— SVP and President, Performance
Materials (PM)

Performance Materials



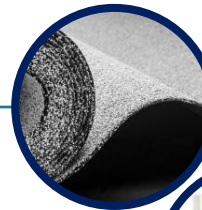
Diatomaceous Earth Filtration



Diatomaceous Earth Fillers / Powders



Engineered Clays Filtration & Catalyst



Cool Roof Granules
Solar Reflective Roofs



Cristobalite Quartz
Countertops,
Coatings

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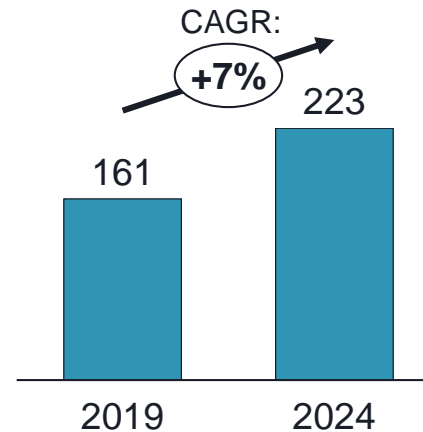
Cristobalite a Key Input for White Quartz Countertops



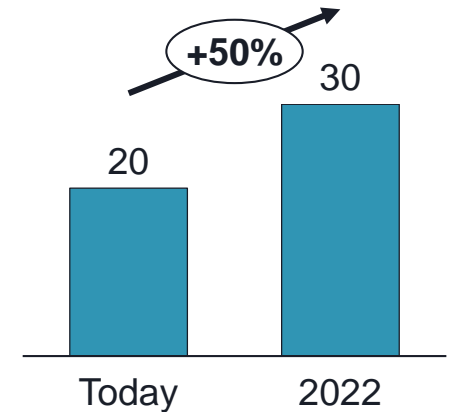
Cover: Stone Update Magazine, Mar 2020

Domestic production of quartz countertops growing rapidly to supply increasing US demand

US Quartz Countertops Installed¹ (Million sq ft)



US Quartz Countertop Production Lines²



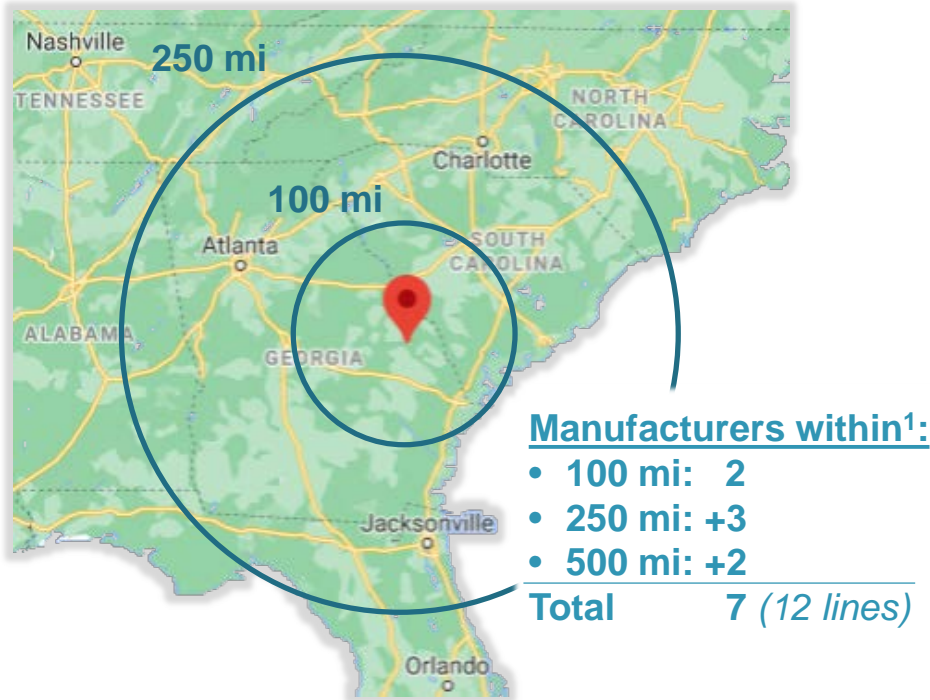
“Light shades will continue to dominate the market.”³

“Bottom line is that white offers a wide range of options that work with just about everything, regardless of the decorating trend buyer.”³

Well Positioned to Capitalize on Growing Cristobalite Demand

Millen, GA facility strategically located near 7 of top 10 US quartz countertop manufacturers

Beyond countertops, strong demand in other markets for tough, bright white material



Millen facility capable of ~200,000 tons per year

Building Products



Inks & Coatings



Foundry Casting



Metallurgical Applications



Opportunity to expand cristobalite into many high value, growing markets



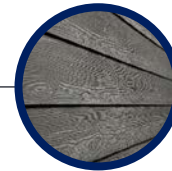
ZACH CARUSONA

— SVP and President, Specialty Minerals
(SM)

Specialty Minerals



Whole Grain Silica
(Glass, Foundry,
Other)



Coarse Ground Silica
(Building Products)



Fine Ground Silica
(Fillers and Extenders)



Aggregate Clays
(Absorbents, Sports Fields)



Aggregate
Diatomaceous
Earth (Absorbents)

Compelling New Product Pipeline¹

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Near Term Opportunities

Pozzolans

- New technology expected to enable production of silica fume replacement for ultra high-performance concrete (UHPC)
- Silica fume is capped as a by-product of silicon production and limited in supply
- Target end uses include long-span bridges, canopies, tunnels, high-rise structures and other critical infrastructure



Lightweight Absorbents

- Partnered with leading consumer brand to provide base material for a new lightweight pet litter
- Lightweight litter is the fastest growing segment within pet litter, now making up 20% of the >\$2B market
- Our product supports claims of lightweight, absorbent and dust free



NEW PRODUCT SPOTLIGHT

Reinforcing Fillers

Silica is a critical additive for a high number of large, diverse end markets:



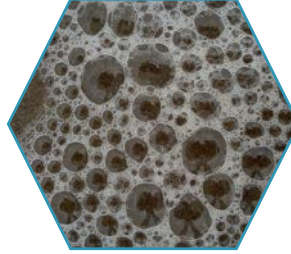
Tires and other rubbers



Industrial and architectural coatings



Silicones



Defoamers



Electronics



Wire and cable jacketing

- U.S. Silica's natural reinforcing filler products under development will offer access to these filler markets that total over \$3B
- Patent pending processes are expected to enable natural substitute products at production costs below existing synthetic silica products
- These new products offer a significant increase in the surface area of existing U.S. Silica filler products
- Expect ability to produce these products from 100% post-consumer recycled content

QUESTIONS?



Non-GAAP Financial Performance Measures

Segment Contribution Margin

The Company organizes its business into two reportable segments, Oil & Gas Proppants and Industrial & Specialty Products, based on end markets. The reportable segments are consistent with how management views the markets served by the Company and the financial information reviewed by the chief operating decision maker. The Company manages its Oil & Gas Proppants and Industrial & Specialty Products businesses as components of an enterprise for which separate information is available and is evaluated regularly by the chief operating decision maker in deciding how to allocate resources and assess performance. An operating segment's performance is primarily evaluated based on segment contribution margin, which excludes certain corporate costs not associated with the operations of the segment. These corporate costs are separately stated and include costs that are related to functional areas such as operations management, corporate purchasing, accounting, treasury, information technology, legal and human resources. The Company believes that segment contribution margin, as defined above, is an appropriate measure for evaluating the operating performance of its segments. However, this measure should be considered in addition to, not a substitute for, or superior to, income from operations or other measures of financial performance prepared in accordance with generally accepted accounting principles. For a reconciliation of segment contribution margin to its most directly comparable GAAP financial measure, see Note W to our financial statements in our Annual Report on Form 10-K for the fiscal year ended December 31, 2019 (<https://www.sec.gov/ix?doc=/Archives/edgar/data/1524741/000162828020002217/slca-20191231x10xk.htm>) and Note U to our financial statements in our Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2020 (<https://www.sec.gov/ix?doc=/Archives/edgar/data/1524741/000152474120000029/slca-20200930.htm>).

Free Cash Flow

Free cash flow represents cash flow from operations less capital expenditure and dividends. Management believes that free cash flow is an important liquidity measure for the company and that it is useful to investors and management as a measure of our ability to generate cash. Once business needs and obligations are met, this cash can be used to reinvest in the company for future growth or to return to shareholders through dividend payments or share repurchases. Free cash flow does not represent the residual cash flow available for discretionary expenditures. Free cash flow is a non-GAAP financial measure that should be considered in addition to, not as substitute for or superior to, cash flow from operations.

Non-GAAP Financial Performance Measures

Adjusted EBITDA

Adjusted EBITDA is not a measure of our financial performance or liquidity under GAAP and should not be considered as an alternative to net income as a measure of operating performance, cash flows from operating activities as a measure of liquidity or any other performance measure derived in accordance with GAAP. Additionally, Adjusted EBITDA is not intended to be a measure of free cash flow for management's discretionary use, as it does not consider certain cash requirements such as interest payments, tax payments and debt service requirements. Adjusted EBITDA contains certain other limitations, including the failure to reflect our cash expenditures, cash requirements for working capital needs and cash costs to replace assets being depreciated and amortized, and excludes certain non-recurring charges that may recur in the future. Management compensates for these limitations by relying primarily on our GAAP results and by using Adjusted EBITDA only as a supplement. Our measure of Adjusted EBITDA is not necessarily comparable to other similarly titled captions of other companies due to potential inconsistencies in the methods of calculation. In 2019, our net loss attributable to U.S. Silica Holdings, Inc. was \$329 million. For a reconciliation of Adjusted EBITDA to its most directly comparable GAAP financial measure, see the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Annual Report on Form 10-K for the fiscal year ended December 31, 2019 (<https://www.sec.gov/ix?doc=/Archives/edgar/data/1524741/000162828020002217/slca-20191231x10xk.htm>) and in our Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2020 (<https://www.sec.gov/ix?doc=/Archives/edgar/data/1524741/000152474120000029/slca-20200930.htm>).