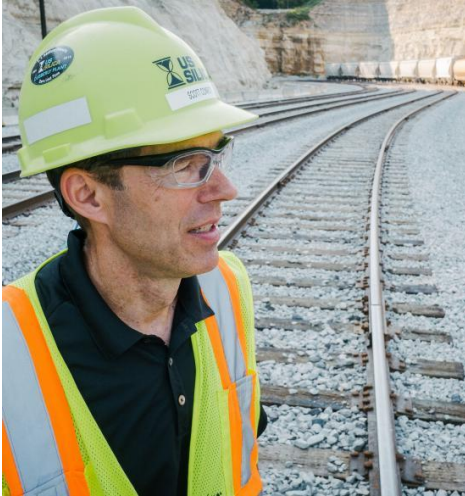


Investor Presentation

May 2021



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, 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



- 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 December 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 December 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 segment
- ✓ Serve numerous critical industries such as food and beverage production, housing, automotive, glass, biopharma and energy
- ✓ Core competencies in mining, processing, logistics and materials science with a rich 121-year history



Katy, TX
Headquarters



~1,800
Employees



24
Active Production
Facilities



Industry Leading
ESG Platform



\$2B
Enterprise Value¹



~\$850M
2020 Revenue

CORPORATE RESPONSIBILITY BOLD TARGETS BASED ON CORE VALUES

OUR 2025 BOLD GOALS SERVE AS OUR ROADMAP



RESPECT

We treat each other with respect and dignity

- Create an environment of inclusion
- Empower employees to improve personal health and well-being.
- Increase diversity across salaried workforce and suppliers



SAFETY

We ensure the safety of our people and the environment

- Maintain industry leading EHS programs and manager development.
- Minimize GHG emissions by reducing fuel and electricity usage at our plants.
- Achieve zero reportable and lost time incidents.



INTEGRITY

We act with honesty and integrity

- Increase the number of sustainable product offerings.
- Protect air and water quality in and around our communities.
- Secure cyber networks to protect employees, customers, and investors.



COMMUNITY

We operate in our communities as good neighbors

- Increase charitable donations to organizations that support our communities.
- Actively seek opportunities for volunteering and community engagement.
- Open and frequent communication with local stakeholders.

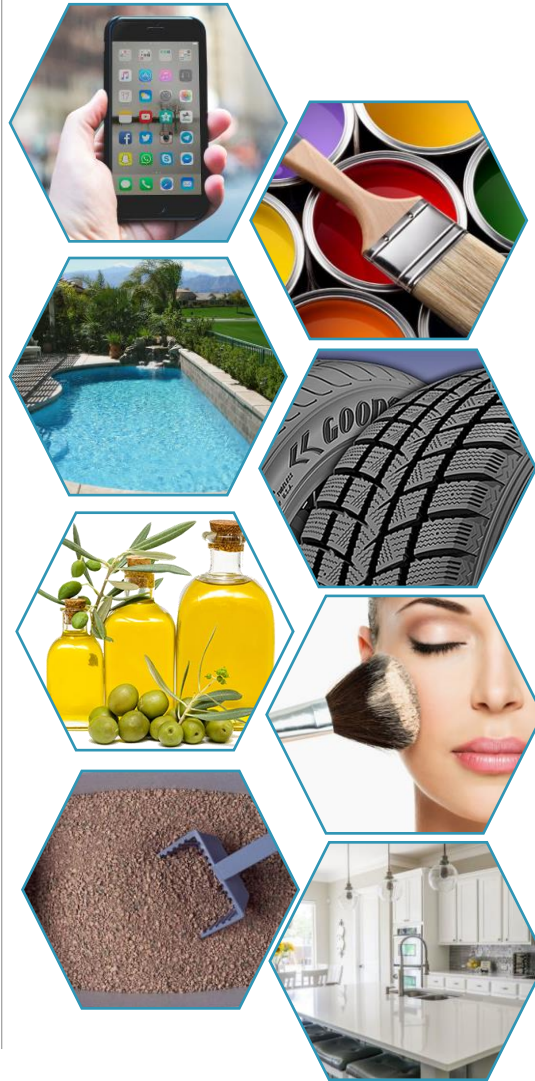
Leader

Industrial mineral markets

\$200M+

In new products under development¹

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



Industrial & Specialty (ISP) Products Segment

- 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

Our Strategic Priorities **Powering A Sustainable Future**



GROW INDUSTRIAL

- Grow volume and price in current markets at GDP+
- **Develop 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 balance sheet

A Community for All

- Fostering a diverse and inclusive workplace
- Supporting our communities, being good neighbors and reliable partners
- Unconscious bias education

Safest Year in our History

- Championing a culture of safety everyday
- 96% of our locations had ZERO lost time incidents in 2020
- Investing in new cybersecurity solutions

Sustainable Growth

- Diverse portfolio of performance and specialty materials offerings
- Key supplier to high growth value chains
- Exciting pipeline of new products serving societal needs

ENVIRONMENTAL, SOCIAL AND GOVERNANCE

Strong Sustainability Linkages

Key SLCA products support numerous important value chains



SOLAR ENERGY SOLUTIONS

Our low iron silica is necessary to produce glass that effectively transmits the sun's energy to solar panel cells

U.S. solar industry expects to install more than 324 GW of capacity over the next 10 years, quadrupling current installed capacity¹



WIND POWER ADVANCEMENTS

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

2021 is projected to be a record installation year in the U.S. with 21 GW of new wind capacity coming online¹



LOWER AUTO EMISSIONS

Our Microsil product is used to produce particulate filters for gasoline and diesel engines

New technologies continue to see increased adoption due to global regulations such as Euro VI and China 6 emissions standards



CLEAN-BURNING GREEN DIESEL

DE and clay are key processing aids in green diesel production

Demand for green diesel is projected to increase by more than 100% by 2025¹



FEEDING THE PLANET

Our bleaching clay adsorbents and filter aids support the most stringent food safety standards

From 2015 to 2020 global edible oil consumption increased by 15%¹

Our growing ISP portfolio offers sustainability in our own operations and sustainable benefits to our customers'.

Commercialized ISP Products & New ISP Pipeline¹

Commercialized

Cool Roof Granules		EverWhite™ Cristobalite		High Purity Filtration		Organic Pesticide		Lightweight Absorbents	
Reflects 80% of solar heat and reduces energy costs		Key ingredient in high-end quartz countertops for homes		Using diatomaceous earth to filter blood plasma		Premium product in a resilient retail category		Premium product in a resilient retail category	
MARKET GROWTH	GLOBAL TAM:	MARKET GROWTH	NORTH AMERICA TAM:	MARKET GROWTH	GLOBAL TAM:	MARKET GROWTH	NORTH AMERICA TAM:	MARKET GROWTH	NORTH AMERICA TAM:
10-15%	\$150M+	5-10%	\$190M+	8-12%	~\$40M+	8-10%	\$10M+	~10%	\$20M+

New Pipeline

Sustainable Fuel Production		Catalysts		New Minerals		Pozzolans		Reinforcing Fillers	
Turning oil waste into the fuel of tomorrow		Specialized clay chemistry drives energy production		Expanding current expertise beyond silica		Next generation stronger, more durable concretes		Affordably increasing the strength and durability of polymers	
MARKET GROWTH	GLOBAL TAM:	MARKET GROWTH	GLOBAL TAM:	MARKET GROWTH	NORTH AMERICA TAM:	MARKET GROWTH	NORTH AMERICA TAM:	MARKET GROWTH	GLOBAL TAM:
~15%	\$100M	5-7%	\$60M+	5-10%	\$50M+	7-10%	\$100M+	6-8%	\$3B+

Expected Value of ISP New Product Contributions

~10-15%

Expected Industrial Segment CAGR (2021-2024)¹

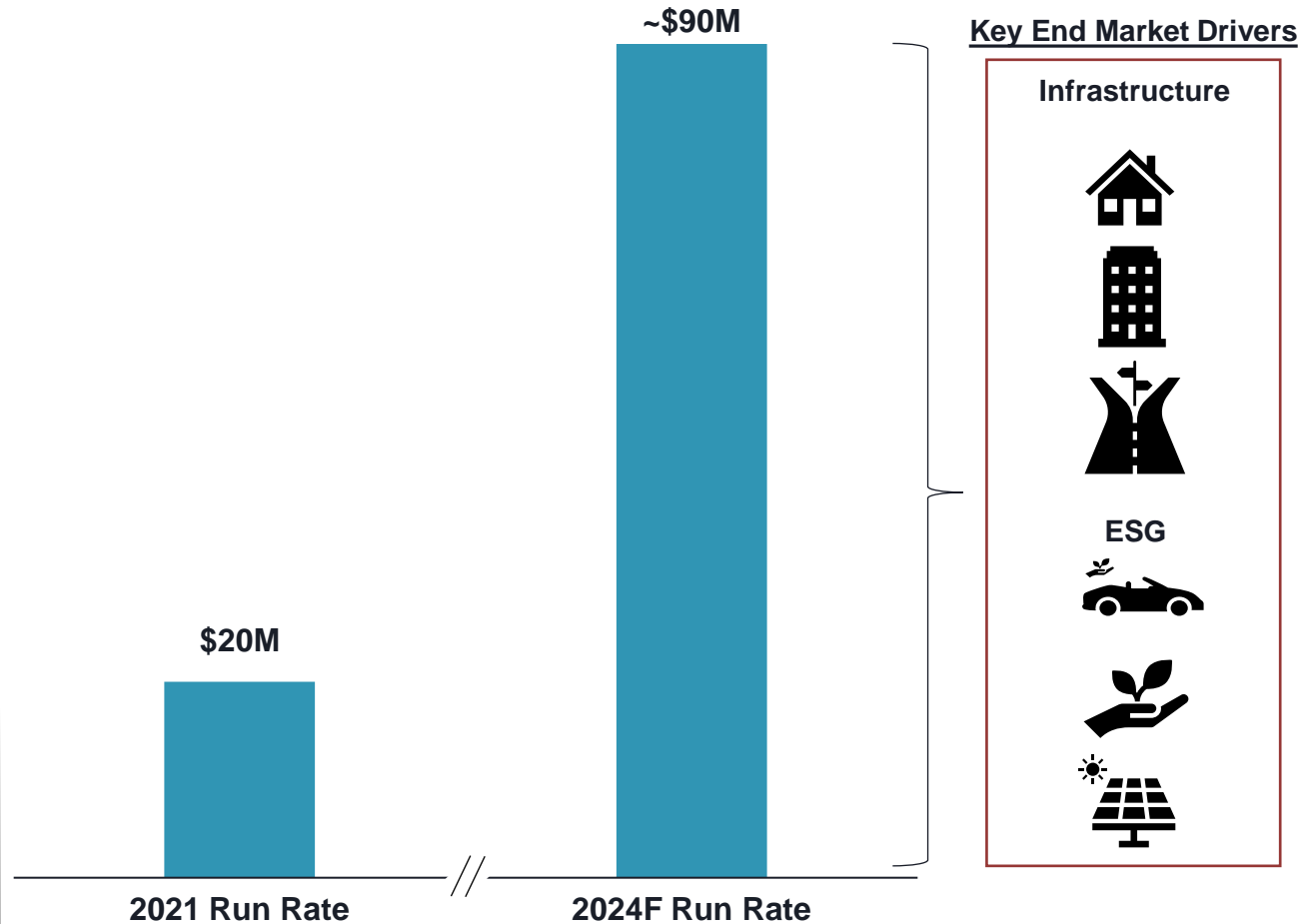
~30-35%

% of expected Industrial margin generated by new products by 2024

Trajectory could **Double** Industrial Segment By 2026



ISP Segment New Products - Est. Incremental Contribution Margin



¹Internal estimates for 3-year compound annual growth rate (CAGR)



J.P. BLANCHARD

— SVP and President, Performance
Materials (PM)

Performance Materials



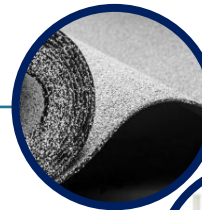
Diatomaceous Earth Filtration



Diatomaceous Earth Fillers / Powders



Engineered Clays Filtration & Catalyst



Cool Roof Granules
Solar Reflective Roofs



Cristobalite Quartz
Countertops,
Coatings

Commercialized ISP Products & New ISP Pipeline¹

Commercialized

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¹Internal estimates for 5-year market compound annual growth rate (CAGR) and total addressable market (TAM)

Spotlight on Millen, GA Facility

Millen facility fully operational and increasing production

White Armor® Cool Roof Granules – Driving Energy Savings



420

Equivalent football fields covered with White Armor roofing products in 1Q'21



2,000

Equivalent U.S. homes powered by energy saved



70%

Volume growth 2021 vs 2020

~30%

Volume CAGR 2021-2025

Rapid Ramp-up of EverWhite™ Cristobalite Sales



20,000

Quartz countertop slabs produced with U.S. Silica cristobalite in 1Q'21



+3

New customers fully qualified for cristobalite sales in 1Q'21



270%

Volume growth 2021 vs 2020

~20%

Volume CAGR 2021-2025

Cool Roof Granules

Reflects 80% of solar heat and reduces energy costs

MARKET GROWTH

10-15%

GLOBAL TAM:

\$150M+

EverWhite™ Cristobalite

Key ingredient in high-end quartz countertops for homes

MARKET GROWTH

5-10%

NORTH AMERICA TAM:

\$190M+



COMPELLING OPPORTUNITY Sustainable Fuel Production

**Sustainable
Fuel Production**

Turning oil waste
into the fuel of
tomorrow

MARKET
GROWTH
~15%

GLOBAL
TAM:
\$100M

Demand for renewable diesel is increasing rapidly, driven by the EPA's Renewable Fuel Standard and an industry push for less carbon-intensive options

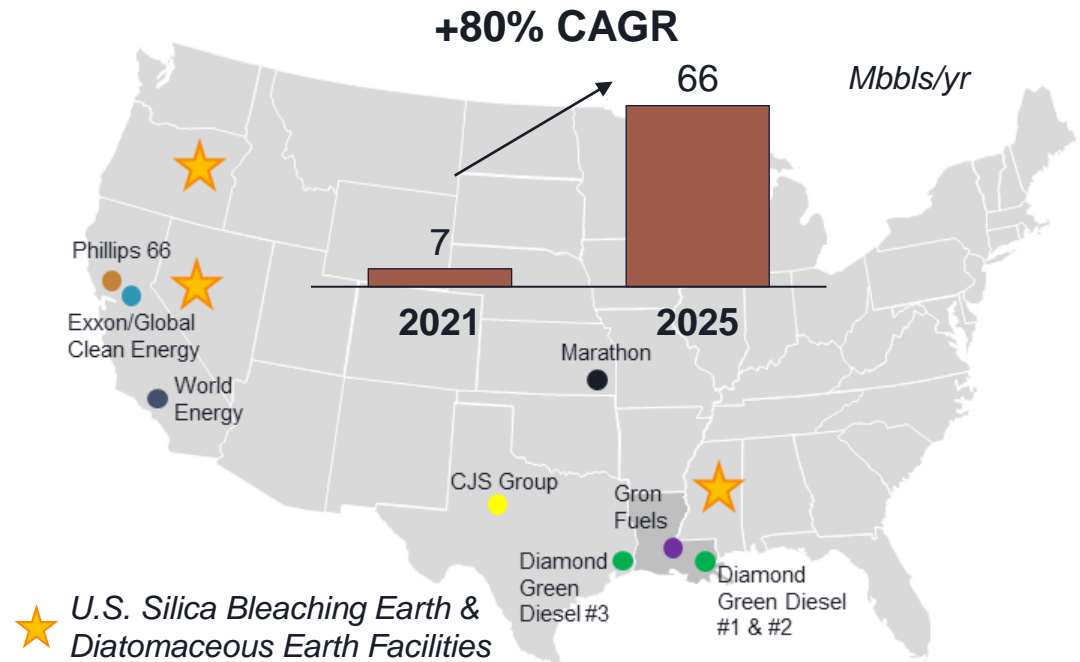
Major Companies with announced Renewable Diesel Investments



ExxonMobil



New Renewable Fuel Capacity in the US



**U.S. Silica is strategically located to supply growth in
renewable fuel capacity**



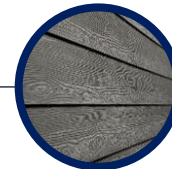
ZACH CARUSONA

— 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)

Commercialized ISP Products & New ISP Pipeline¹

Commercialized

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Providing natural crop protection without the use of chemicals:

- Launched DEsect[®] Crop and DEsect[®] Grain Storage organic insecticides to displace existing chemical pesticides
- Testing shows efficacy in line with many chemical pesticides and superior to several existing organic pesticides
- Received EPA registration in targeted Western US States
- Initial target markets include almonds, pistachios, grapes and blueberries



COMPELLING OPPORTUNITY Reinforcing Fillers

Reinforcing Fillers

Affordably increasing the strength and durability of polymers

MARKET GROWTH: 6-8%
GLOBAL TAM: \$3B+

Critical additives for a high number of large, diverse end markets:



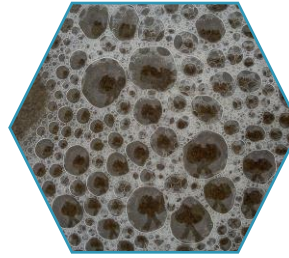
Tires and other rubbers



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
- Third round of customer and outside lab testing underway

COMPELLING OPPORTUNITY New Minerals

New Minerals

Expanding current expertise beyond silica

MARKET GROWTH
5-10%

NORTH AMERICA TAM:
\$50M+

New Minerals provide broader exposure to existing end markets and in addition provide access to new end markets:

- Partnered with a toll producer to extract titanium containing heavy mineral products from existing reserves – evaluating larger, extended projects
- Current reserves contain other minerals that can be used for infrastructure critical projects such as road construction, emission scrubbing and concrete production
- New clay products at many of our facilities can displace fly ash products for pozzolan and other applications – in discussions to commercialize these products
- Multiple blue-chip customers have inquired about processing other minerals in their value chain through joint venture, tolling or other partnership agreements



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, 2020 (<https://ussilica.gcs-web.com/static-files/09f3f6b1-3ae6-4a58-bf08-49cfb8c5f628>) and Note U to our financial statements in our Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2021 (<https://ussilica.gcs-web.com/static-files/27e4e2f4-3a3e-404e-99bf-d98545792fd1>).

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.