



Disciplined Growth

Investor Presentation May 2022

Safe Harbor Statement

This presentation contains unaudited financial information and forward-looking statements. Statements that are not historical are forward-looking statements and may contain words such as "may", "will", "believe", "expect", "anticipate", "intend", "plan", "project", "estimate", and "objective" or similar terminology, concerning the company's future financial performance, business strategy, plans, goals and objectives. These expressions are intended to identify forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include information concerning the Company's possible or assumed future performance or results of operations and are not guarantees. While these statements are based on assumptions and judgments that management has made in light of industry experience as well as perceptions of historical trends, current conditions, expected future developments and other factors believed to be appropriate under the circumstances, they are subject to risks, uncertainties and other factors that may cause the Company's actual results, performance or achievements to be materially different. Such risks and uncertainties include, but are not limited to: direct and indirect impacts of the coronavirus pandemic and the associated government response, risks and adverse economic effects associated with emerging geopolitical conflicts, product and price competition, supply chain disruptions, work stoppages, availability and pricing of raw materials, cybersecurity risks, risks associated with acquisitions such as integration of operations and regulatory developments and other risks and uncertainties described in filings with the Securities and Exchange Commission. Such forward-looking statements are made as of the date hereof and we undertake no obligation to update these forward-looking statements regardless of new developments or otherwise.

This presentation also contains certain measures that are not in accordance with U.S. generally accepted accounting principles ("GAAP"). The non-GAAP financial information presented herein should be considered supplemental to, and not a substitute for, or superior to, financial measures calculated in accordance with GAAP. The Company has provided this supplemental information to investors, analysts, and other interested parties to enable them to perform additional analyses of operating results, to illustrate the results of operations giving effect to the non-GAAP adjustments shown in the reconciliations, and to provide an additional measure of performance which management considers in operating the business. A reconciliation of these items to the most comparable GAAP measures is provided in our filings with the SEC and/or in the Appendix to this presentation.





Federal Signal at a Glance

- Founded in 1901, joined NYSE in 1969 ("FSS")
- Diversified industrial manufacturer of specialized vehicles for maintenance and infrastructure markets such as street sweepers, sewer cleaners, vacuum/hydro-excavators ("safedigging trucks"), industrial vacuum loaders, waterblasting equipment, road-marking and line-removal equipment, dump truck bodies, trailers and metal extraction support equipment; as well as safety and security products including audible and visual warning devices
- Leading brands of premium, value-adding products and systems, with supporting aftermarket business
- Headquartered in Oak Brook, Illinois with 20 principal manufacturing facilities worldwide
- Strong operating cash flow generation has facilitated organic growth investment, cash returns to stockholders and M&A in recent years







CRAIN'S CHICAGO BUSINESS 2020 WOMEN IN MANUFACTURING







Why Federal Signal?

Composition of Businesses	• <u>Clearly-defined</u> strategy, with two groups – ESG and SSG – each of which have <u>strong growth potential</u> through a combination of organic initiatives and M&A
End Market Exposures	 Typical annual revenue mix of ~50% publicly-funded / ~50% industrial Publicly-funded revenues derived from <u>sale of essential products</u> to municipalities in the U.S., Canada, Europe and Latin America; sewer cleaner purchases typically funded through water taxes Within industrial, <u>markets at different points in the cycle</u> such as construction, utility, oil and gas, infrastructure, waste, rendering, landscaping, military
Revenue Streams	 <u>Balanced portfolio</u> of new and used equipment sales and other aftermarket offerings including parts, rentals and service Aftermarket revenues represented ~30% of ESG's sales in 2021
Financial Position	 Low debt leverage; Strong balance sheet Healthy cash flow generation
Opportunity for M&A	 Completed <u>three acquisitions</u> in 2021 <u>Ample opportunity</u> for further M&A due to strong financial position, active pipeline and clear view of what we are looking for in acquisition candidates
Operational Performance	 <u>Consistent</u> performance within target EBITDA margin ranges Focus on <u>operational excellence</u>, with Eighty-Twenty Improvement ("ETI") initiatives the cornerstone of our operational philosophies
New Product Development ("NPD")	 Revamped, <u>customer-focused</u> NPD process, introducing more new products at a faster pace Of our total R&D spend in 2021, approximately <u>20% was dedicated to electrification projects</u>
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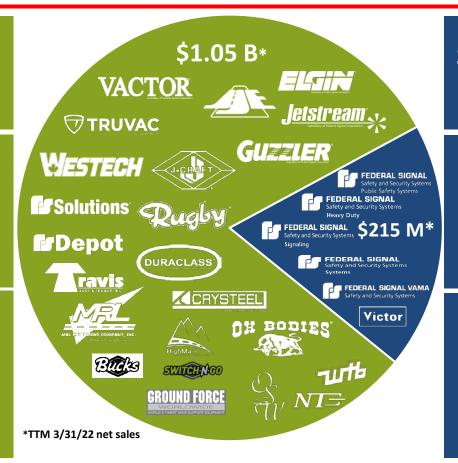
Two Attractive Platforms

Environmental Solutions Group (ESG)

Markets

Serves publicly-funded, industrial, and utility markets for surface and sub-surface cleaning, safe-digging, road marking, infrastructure maintenance and material hauling

- Street Sweeping
- **Sewer Cleaning**
- Safe Digging
- **Industrial Cleaning**
- **Dump Bodies and Trailers**
- **Metal Extraction Support**
- **Road-Marking and Line-Removal**



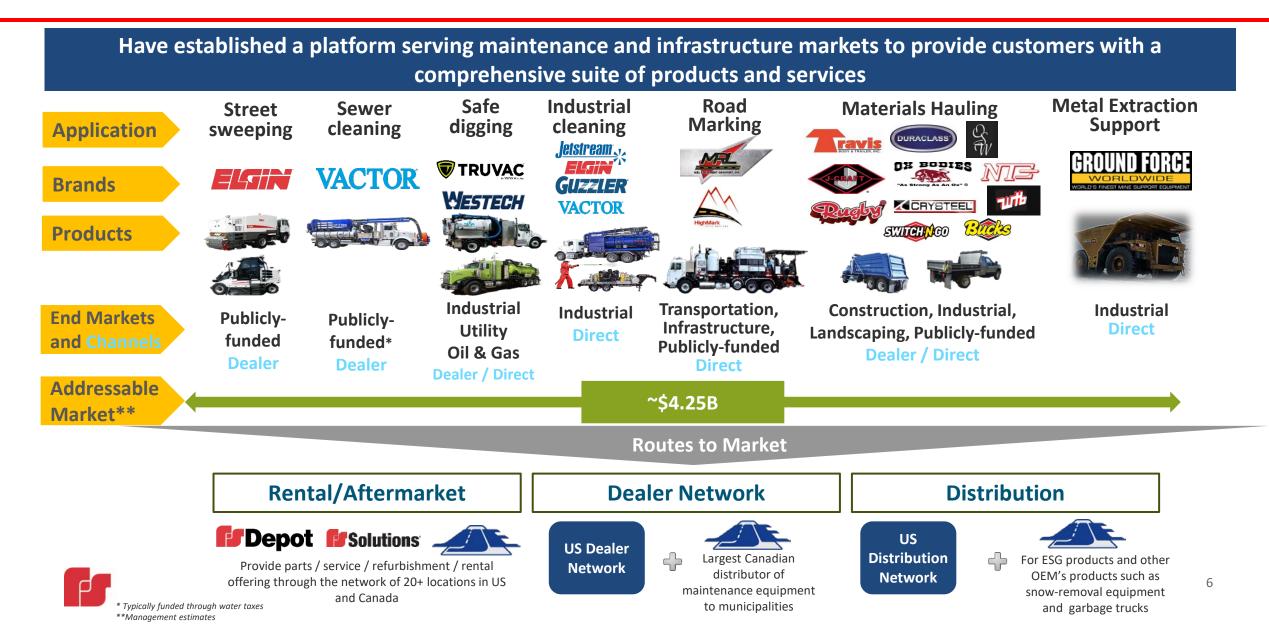
Safety and Security Systems Group (SSG)

Serves the needs of municipalities and industrial verticals for audible and visual safety and security notification devices and systems

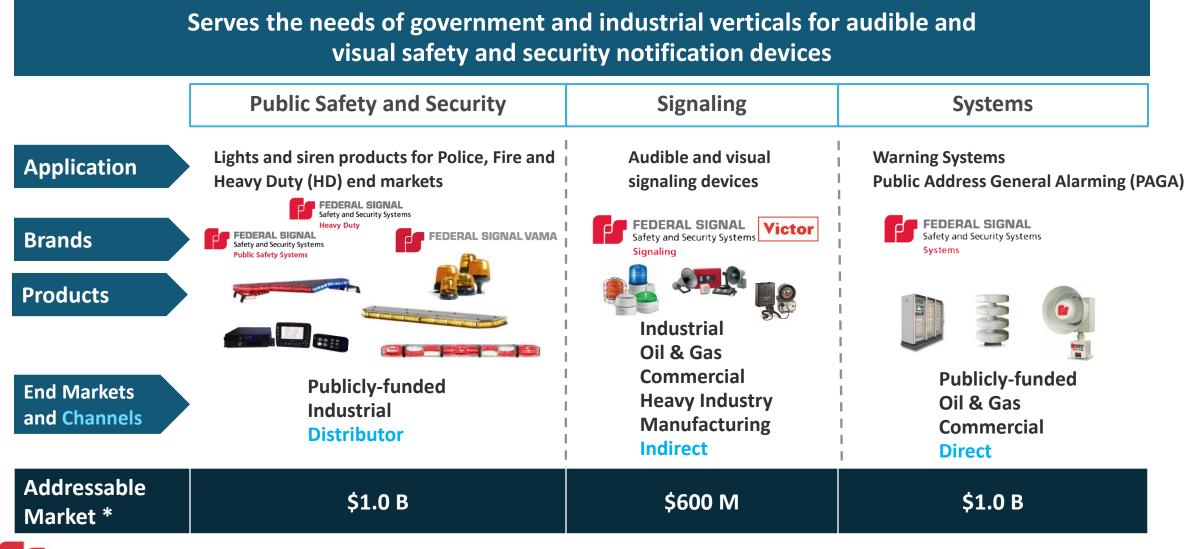
- **Lights and Sirens**
- **Signaling Devices** \bullet
- Warning Systems \bullet



Environmental Solutions Group (ESG)



Safety and Security Systems Group (SSG)





Macro Factors Driving Demand

Federal Signal's diverse portfolio of specialty vehicles is well-positioned to capitalize on favorable macro trends across its core end markets

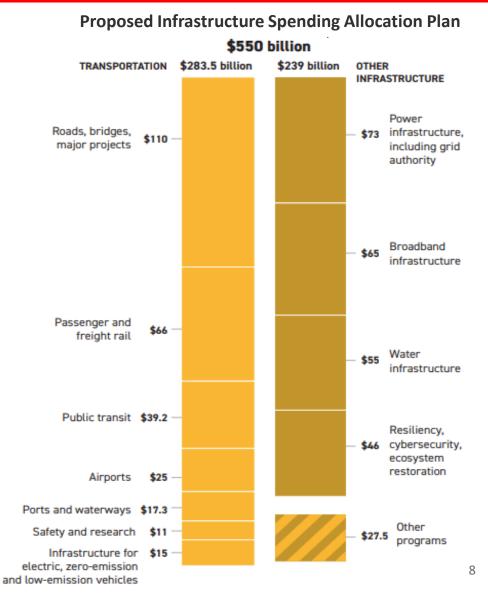
Infrastructure Bill

- \$550 billion of government spending over five years to fund improvements to the nation's transportation, water, electric power and digital infrastructure
- Federal Signal's equipment sales and rentals of materials hauling, road-marking, street sweeping, sewer cleaning, safe digging, and industrial cleaning equipment stand to benefit from an infrastructure investment

COVID Relief Stimulus

- \$350 billion of government spending designated for cities, states, tribal governments and U.S. territories
 - First \$175 billion tranche started to be distributed in 2021; second \$175 billion tranche expected to be distributed later in 2022
- As a provider of equipment used to support essential services such as sewer cleaning and street sweeping, Federal Signal is well-positioned to meet the needs of its customers





Sources: The White House, POLITICO report by Marianne LeVine and Burgess Everett

Macro Factors Driving Demand

Additional macro trends driving opportunity for Federal Signal's diverse portfolio of products and equipment

U.S. Housing - A Mountain To Climb

- As of December 2021, the number of single-family housing units still under construction increased to the highest level in almost 15 years, extending a steady uptrend since June 2020.
- Products to benefit include materials hauling, street sweeping, sewer cleaning, and safe digging equipment

Construction Growth

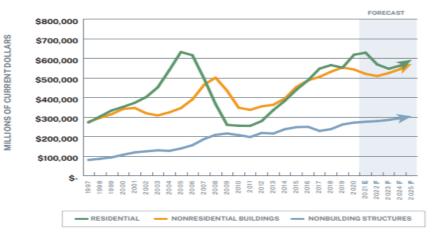
- The U.S. construction industry is expected to grow by ~9% in 2022
- The growth momentum is expected to continue over the next several years, with an estimated CAGR of 5% during 2022-2026
- Products to benefit include materials hauling, road marking, street sweeping, sewer cleaning, safe digging, and industrial cleaning equipment

Broadband Infrastructure

- COVID-19 highlighted the importance of reliable, affordable and fast internet connectivity for all
- The \$65 Billion spending allocation in the Infrastructure Bill begins to address the need for substantial investment in this critical necessity
- Products to benefit include safe digging, industrial vacuum loaders, materials hauling, and street sweeping equipment

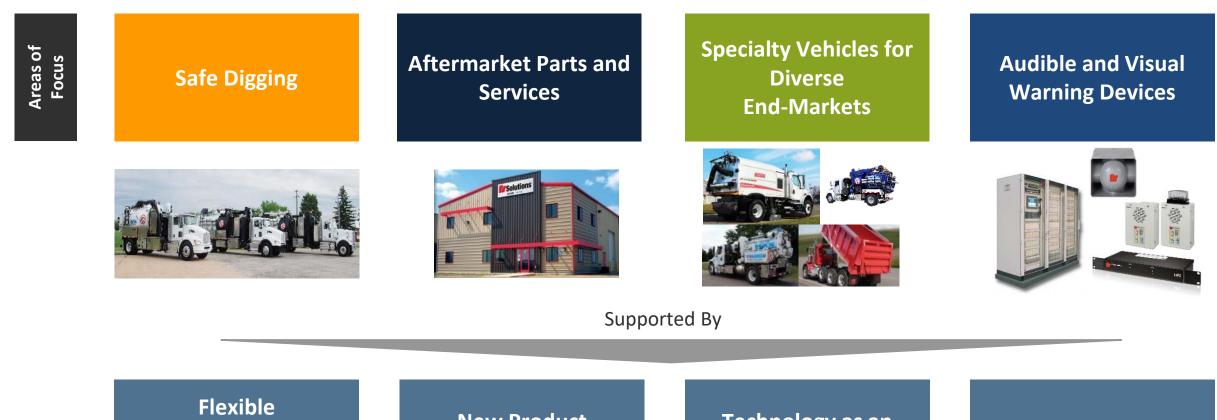


Total Construction Put in Place Estimated for the U.S.





Key Strategic Initiatives



Flexible Manufacturing & "ETI" Culture

New Product Development Technology as an Enabler

Disciplined M&A



Strategic Initiative- Safe Digging

Federal Signal is well positioned to establish a leading position in an emerging application for vacuum-excavation technology; increased regulation expected to accelerate growth

What is it?

- Vacuum excavation or "Safe Digging" involves the use of pressurized air or water ("hydro-excavation") to dig (coupled with a vacuum system) as an alternative to the use of traditional equipment such as backhoes and mechanical excavators
- Acceptance of safe-digging applications continues to improve significantly over the last decade
- Application has been widely accepted in Canada; US is behind but great early indicators – 19 states now include vacuum excavation as part of "safe excavation practices"

Why is it Attractive?

- In many circumstances, vacuum excavation is a safer and more productive means for digging (in comparison to traditional excavation)
- Significantly minimizes chances of damage to underground infrastructure during the digging process
- Less intrusive to the surrounding site at point of digging; environmental benefits
- Provides significant environmental benefits by minimizing damage to tree roots (as demonstrated in the image below)
- Provides opportunity for the use of our broad range of offerings in new and emerging end markets beyond oil and gas

Why Federal Signal?

- Sole manufacturer of complete range of truck-mounted safe-digging equipment, with applications across a number of end-markets
- Optional safe-digging package offered with sewer cleaner product line; included in ~70% sewer cleaner orders
- 30-year track record of manufacturing leading vacuumexcavation products
- Widest service and support network for vacuumexcavation products
- Best-in-class payload for Ontario market
- Dedicated and experienced sales organization in place to support initiative



Completed Three Acquisitions in 2021

metals

OSW Equipment (February 2021)

• OSW is a leading manufacturer of dump truck bodies and custom upfitter of truck equipment and trailers. The acquisition also includes the operations of OSW's wholly owned subsidiaries Northend Truck Equipment and Western Truck Body











Ground Force Worldwide

(October 2021)

manufacturer of specialty material handling

Ground Force Worldwide is a leading

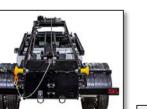
vehicles that support the extraction of

Deist Industries (December 2021)

 Deist Industries designs, manufactures and sells interchangeable truck body systems for class 3-7 vehicles in the work truck industry and a full line of waste hauling products, including front/rear loading containers and specialty roll-off containers











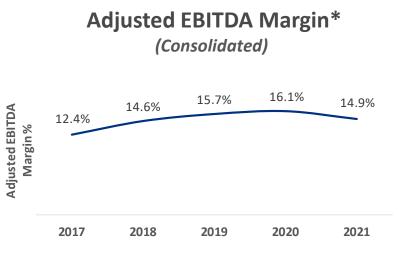


Financial Overview



Orders





Target EBITDA Margin ranges¹

- ESG: 15% 18%
- SSG: 15% 18%
- Consolidated: 12% 16%
 - Historical EBITDA margins and targets place Federal Signal in the top tier of its peer group of specialty vehicle manufacturers
- (1) Underlying assumptions: Absence of extraordinary factors affecting demand from end-markets; No unusual hearing loss litigation expenses

Q1 2022 Highlights²:

- Net sales of \$330M, up \$51M, or 18%
- Operating income of \$28.5M, up \$0.7M, or 3%
- Adjusted EBITDA* of \$42.2M, up \$1.0M, or 2%
- Adjusted EBITDA margin* of 12.8%
- GAAP EPS of \$0.33
- Adjusted EPS* of \$0.34
- Record orders of \$453M, up \$69M, or 18%
- Record backlog of \$751M, up \$342M, or 83%
- Cash and cash equivalents of \$39M and ~\$162M of credit facility availability
- Net debt of ~\$291M³

- (2) Comparisons to Q1 2021, unless otherwise noted
- (3) Net debt is a non-GAAP measure, computed as total debt of \$329.7M, less total cash and cash equivalents of \$39.2M

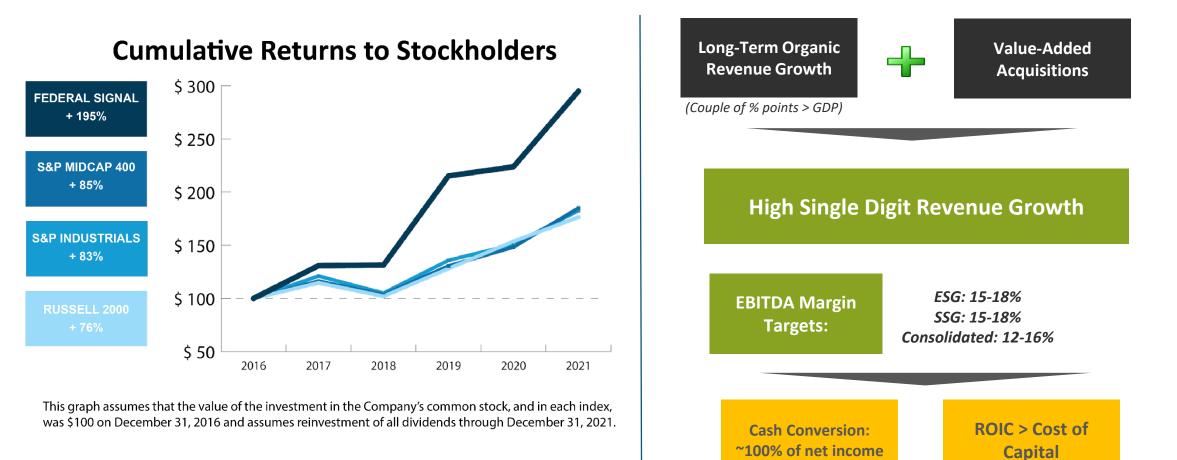
Strong Financial Position Supports Priority-Driven Long-Term Capital Allocation

In July 2019, executed five-year, \$500 M revolving credit facility, with flexibility to increase by additional \$250 M for acquisitions; No debt maturities until July 2024; At end of Q1 2022, net debt leverage remained low, with ~\$162 M of availability under credit facility

Reinvest in the Business	 Purchased Elgin, IL manufacturing facility in Q4 2021 (~\$20 M) and University Park, IL manufacturing facility in Q1 2022 (~\$28 M) In addition to University Park building purchase, expect other cap ex of \$25 M - \$30 M in 2022 Innovation R&D efforts target new and updated products 	Cash Deployment (2019-21) ¹ Share Repurchase
Acquisitions	 Completed 3 acquisitions in 2021 – OSW, Ground Force Worldwide and Deist Industries – for aggregate initial consideration of ~\$132 M Focused primarily on acquisitions that fit closely within our existing products and services, manufacturing competencies, channels and customers 	Dividends 8% Capex 26%
Dividend Policy	 Provide a competitive dividend yield while funding business growth Paid dividend of \$0.09 per share in Q1 2022, and recently declared similar dividend for Q2 2022; current dividend yield is ~1% Paid dividends of \$5.5 M in Q1 2022; \$22 M for full year 2021 	
Share Repurchases	 Opportunistic share buybacks as a return of cash to our shareholders \$13.6 M of share repurchases in Q1 2022; \$15.4 M for full year 2021 ~\$62 M of repurchase authorization remaining under current programs (~3% of market cap) 	Acquisitions 51% 1) Chart depicts cumulative use of cash for each category, relative to the total cash used on all four activities, for the period 2019-2021; excludes investment in rental fleet, which is reported as part of operating cash flows

Positioned for Long-Term Growth

With continued focus on organic growth and M&A, and margin performance above that of many of our peers, our financial framework aims to create long-term shareholder value



2022 Outlook

Raising low end of full-year Adjusted EPS* Outlook by \$0.04, establishing a new range of \$1.80 to \$2.00

Key Assumptions

- Raising low end of full-year net sales outlook by \$30 million, establishing a new range of \$1.38 B to \$1.45 B
 - Includes full-year contribution from 2021 acquisitions; represents YoY growth of 14% - 20% vs. \$1.21 B in 2021
- Double-digit improvement in pre-tax earnings
- Depreciation and amortization expense of ~\$60 M
- Capital expenditures of \$25 M to \$30 M, excluding University Park building purchase

- Interest expense of ~\$7.5 M \$9 M
- Effective tax rate resets to a normalized rate of ~25%, excluding discrete items; YoY EPS headwind of ~\$0.20
- ~62 M weighted average shares outstanding
- No significant deterioration in current supply chain environment; assumes steady flow of customer-provided chassis
- No significant increase in current input costs

*Adjusted earnings per share ("EPS") is a non-GAAP measure, which includes certain adjustments to reported GAAP income from continuing operations and diluted EPS. In 2021, we made adjustments to exclude the impact of acquisition and integration-related (benefits) expenses, pension-related charges, restructuring activity, coronavirus-related expenses and purchase accounting effects, where applicable. Should any similar items occur in 2022, we would expect to exclude them from the determination of adjusted EPS. However, because of the underlying uncertainty in quantifying amounts which may not yet be known, a reconciliation of our Adjusted EPS outlook to the most applicable GAAP measure is excluded based on the unreasonable efforts exception in Item 10(e)(1)(i)(B).



Appendix

- I. Segments Overview
- II. Eighty-Twenty Improvement Culture
- III. New Product Development
- IV. Non-GAAP Measures
- V. Executive Compensation
- VI. Investor Information



Appendix I: ESG Products















Appendix I: ESG Products (continued)













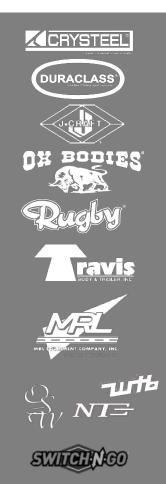












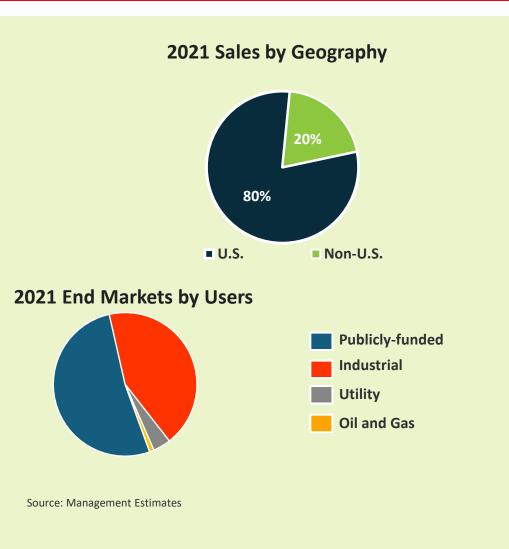




Appendix I: ESG - Market Influencers & Where We Play

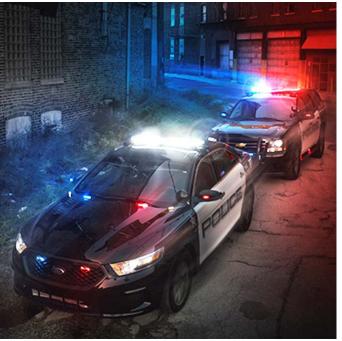
Market Dynamics

- Many ESG products support essential services that are focused on cleaning
- COVID relief stimulus includes \$350 B for state, local and territorial governments; package targets maintenance of essential infrastructure, such as sewer systems and streets
- Anticipate that meaningful investment in U.S. infrastructure would provide upside potential with most of our product offerings expected to benefit
- Aging infrastructure, pipeline and broadband expansion and increasing urbanization support long-term demand for safe digging products, industrial vacuum loaders, dump bodies and trailers
- Healthy housing market and improving industrial activity supports growth opportunities for dump bodies and trailers
- Funding for sewer cleaners through water tax revenues adds further stability
- Tracking new housing starts, Class 8 truck chassis, public funding sources, oil rig counts, and overall industrial activity



Appendix I: SSG Products





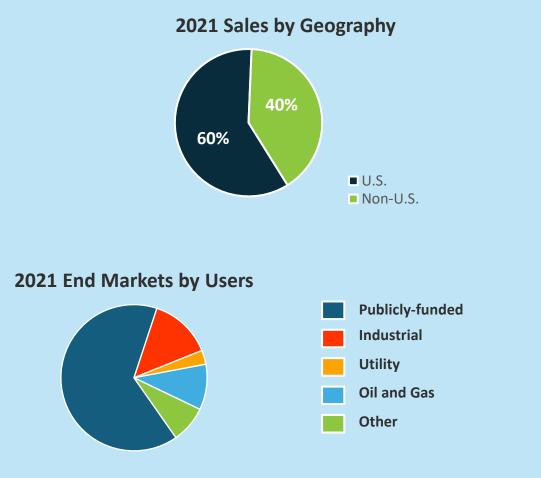




Appendix I: SSG - Market Influencers & Where We Play

Market Dynamics

- Increased national focus on issues of public safety and law enforcement, and rising public expectations for transparency and accountability driving demand for safety and security products
- Rising occurrence of natural and man-made disasters
- Shift in customer preference towards inter-connected platforms expected to drive demand for security systems integration
- Tracking data that indicates the number of new vehicle registrations



Source: Management Estimates

Appendix II: Eighty–Twenty Improvement ("ETI") Culture

Material Cost Reduction

- Waste reduction
- SKU rationalization
- Savings through volume aggregation
- Sourcing optimization



Pricing Strategy

- Parts pricing strategy
- Effective "options" pricing

Labor pool management Flexible manufacturing model

Recent investments in machinery expected to result in productivity improvements



Working Capital Optimization

Manufacturing Efficiency

Lean manufacturing focus

Throughput flexibility

- *Twenty Improvence Wow Derived benefits from manufacturing efficiencies and SKU rationalization
 - Improved cycle times to drive inventory reductions



Appendix III: New Product Development

- Several successful new product launches resulting from our customer-focused approach to innovation, including the award-winning launch of the ParaDIGm[®] vacuum excavator in 2016
- Targeting long-term organic revenue growth of a couple percentage points above GDP
- Of our total R&D spend in 2021, approximately 20% was invested in electrification projects:
 - Recently delivered first two plug-in, hybrid Broom Bear street sweepers to be placed in service to the City of Los Angeles. We have also begun demonstrations of our plug in, hybrid electric three-wheel Pelican street sweeper, introduced our first Rugby dump body on a fully-electric chassis and are exploring other ways to integrate electrification into our suite of products.







HXX Vacuum Excavator

Plug-In Hybrid Broom **Bear Street Sweeper**

Environmental Solutions Group (ESG)

- Sewer Cleaner productivity improvements such as advanced controls and a new, revolutionary boom design
- All-New Vactor iMPACT[®] compact sewer cleaner
- All-New RegenX[®] regenerative air sweeper, and new single-engine versions of legacy sweepers
- All-New HXX[®] Vacuum Excavator with improved payload carrying capacity
- Jetstream portfolio of tools and accessories
- All-New TRUVAC[®] Coyote Vacuum Excavator
- Street sweeper-based road condition assessment service offering
- Recently released plug-in, hybrid electric sweepers
- Won World Sweeping Association's 2020 Award of Excellence in

Safety and Security Systems Group (SSG)

- Automatic License Plate Recognition (ALPR) Systems ullet
- CommanderOne Direct Messaging (SMS/Phone) \bullet
- **Smart Police Vehicle Systems** \bullet
- **Next-Generation PAGA** \bullet
- Global Series Signaling Devices \bullet
- Allegiant[®] Police Light Bar \bullet
- Pathfinder[®] Siren Suite \bullet
- Reliant[®] Light Bar \bullet



Power Sweeping



Appendix IV: Non-GAAP Measures (Adjusted EPS)

(\$ in millions)	Endec	ee Months l March 31, 2022
Net income, as reported	\$	20.5
<u>Add:</u>		
Income tax expense		7.1
Income before income taxes		27.6
<u>Add:</u>		
Acquisition and integration-related expenses		0.3
Adjusted income before income taxes		27.9
Adjusted income tax expense (1)		(7.2)
Adjusted net income	\$	20.7
Diluted EPS, as reported	\$	0.33
Difuted Ers, as reported	φ	0.33
Adjusted diluted EPS	\$	0.34

(1) Adjusted income tax expense for the three months ended March 31, 2022 was recomputed after excluding the impact of acquisition and integration-related expenses.

Adjusted net income and earnings per share ("EPS")

The Company believes that modifying its 2022 net income and diluted EPS provides additional measures which are representative of the Company's underlying performance and improves the comparability of results between reporting periods. During the three months ended March 31, 2022, adjustments were made to reported GAAP net income and diluted EPS to exclude the impact of acquisition and integration-related expenses.

Appendix IV: Non-GAAP Measures (Adjusted EBITDA)

\$ millions, except %	<u>Q1 2022</u>				
Net income	\$	20.5			
Add:					
Interest expense		1.3			
Acquisition and integration-related expenses		0.3			
Other (income) expense, net		(0.4)			
Income tax expense		7.1			
Depreciation and amortization		13.4			
Consolidated adjusted EBITDA	\$	42.2			
Net Sales	\$	330.2			
Consolidated adjusted EBITDA margin		12.8%			

Adjusted EBITDA and adjusted EBITDA margin

The Company uses adjusted EBITDA and the ratio of adjusted EBITDA to net sales ("adjusted EBITDA margin"), at both the consolidated and segment level, as additional measures which are representative of its underlying performance and to improve the comparability of results across reporting periods. We believe that investors use versions of these metrics in a similar manner. For these reasons, the Company believes that adjusted EBITDA and adjusted EBITDA margin, at both the consolidated and segment level, are meaningful metrics to investors in evaluating the Company's underlying financial performance. Other companies may use different methods to calculate adjusted EBITDA and adjusted EBITDA margin.

Appendix IV: Non-GAAP Measures (Adjusted EBITDA cont.)

(\$ in millions)		2017 2		2018 201		2019	<u>19 </u>		2021	
Net Income		60.5	\$	93.7	\$	108.4	\$	96.1	\$	100.6
Add (less):										
Interest expense		7.3		9.3		7.9		5.7		4.5
Pension settlement charges		6.1		-		-		-		10.3
Hearing loss settlement charges		1.5		0.4		-		-		-
Acquisition and integration-related expenses (benefits)		2.7		1.5		2.5		2.1		(2.1)
Coronavirus-related expenses		-		-		-		2.3		1.2
Restructuring		0.6		-		-		1.3		-
Executive severance costs		0.7		-		-		-		-
Purchase accounting effects (a)		4.4		0.7		0.2		0.3		0.3
Other (income) expense, net		(0.8)		0.6		0.6		1.1		(1.7)
Income tax expense		0.5		17.9		30.2		28.5		17.0
Depreciation and amortization		30.0		36.4		41.5		44.8		50.4
Deferred gain recognition (b)		(2.0)		(1.9)		-		-		-
Adjusted EBITDA	\$	111.5	\$	158.6	\$	191.3	\$	182.2	\$	180.5
Net Sales		898.5	\$ 1	1,089.5	\$:	1,221.3	\$:	1,130.8	\$:	1,213.2
Adjusted EBITDA Margin		12.4%		14.6%		15.7%		16.1%		14.9%

(a) Excludes purchase accounting effects reflected in depreciation and amortization of \$0.4M, \$0.5 M, \$0.6 M, \$0.4 M and \$0.4 M for 2017, 2018, 2019, 2020 and 2021, respectively.

(b) Adjustment to exclude recognition of a deferred gain associated with historical sale lease-back transactions. Effective with the adoption of the new lease accounting standard in 2019, recognition of this gain was eliminated.

Adjusted EBITDA and adjusted EBITDA margin

The Company uses adjusted EBITDA and adjusted EBITDA margin as additional measures which are representative of its underlying performance and to improve the comparability of results across reporting periods. We believe that investors use versions of these metrics in a similar manner. For these reasons, the Company believes that adjusted EBITDA and adjusted EBITDA margin are meaningful metrics to investors in evaluating the Company's underlying financial performance. Adjusted EBITDA is a non-GAAP measure that represents the total of net income, interest expense, pension settlement charges, hearing loss settlement charges, acquisition and integration-related expenses (benefits), coronavirus-related expenses, restructuring activity, executive severance costs, purchase accounting effects, other income/expense, income tax expense, depreciation and amortization expense, and the impact of adoption of a new lease accounting standard, where applicable. Consolidated adjusted EBITDA margin is a non-GAAP measure that represents the total of net income, interest expense, pension settlement charges, hearing loss settlement charges, acquisition and integration-related expenses (benefits), coronavirus-related expenses, restructuring activity, executive severance costs, purchase accounting effects, other income/expense, income tax expense, depreciation and amortization expense, and the impact of adoption of a new lease accounting standard, where applicable, divided by net sales for the applicable period(s). Other companies may use different methods to calculate adjusted EBITDA and adjusted EBITDA margin.

Appendix V: Executive Compensation Aligned with Long-term Objectives

• The Company continues to focus on executing against a number of key long-term objectives, which include (i) creating disciplined growth, (ii) improving manufacturing efficiencies and costs; (iii) leveraging invested capital; and (iv) diversifying our customer base

One Year	Three Years	Ten Years
Cash Bonus (STIP) • Earnings (60%) • EBITDA Margin (20%) • Individual Objectives (20%)		Short-Term <u>Annual Goals</u> 1. Profitability and growth 2. Market share
 Performance Share Units EPS (75%) Return on Invested Capital (25%) 		Long-Term <u>3-year Performance and Vesting Periods</u> 1. Profitability and growth 2. Shareholder value creation 3. Efficient use of capital 4. Facilitates stock ownership 5. Executive retention
Restricted Stock Awards		Long-Term <u>3-year Cliff Vesting</u> 1. Executive recruitment 2. Executive retention 3. Facilitates stock ownership
Share Price Appreciation Stock Options 		Longer-Term <u>3-year Ratable Vesting Period and 10 Year Exercise Period</u> 1. Shareholder value creation 2. Facilitates stock ownership 3. Executive retention



Appendix VI: Investor Information

Stock Ticker: NYSE:FSS

Company website: <u>federalsignal.com/investors</u>

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