

FEDERAL SIGNAL CORP /DE/  
Form 10-Q  
July 28, 2015  
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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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FORM 10-Q

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT  
OF 1934

For the quarterly period ended June 30, 2015

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT  
OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission file number: 1-6003

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FEDERAL SIGNAL CORPORATION

(Exact name of registrant as specified in its charter)

Delaware

36-1063330

(State or other jurisdiction of incorporation or  
organization)

(I.R.S. Employer Identification No.)

1415 West 22nd Street,

60523

Oak Brook, Illinois

(Address of principal executive offices)

(Zip code)

Registrant's telephone number including area code: (630) 954-2000

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Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

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

Large accelerated filer  Accelerated filer

Non-accelerated filer  Smaller reporting company  (Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

As of June 30, 2015, the number of shares outstanding of the registrant's common stock was 62,502,981.



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**FORWARD-LOOKING STATEMENTS**

This Quarterly Report on Form 10-Q (“Form 10-Q”) is being filed by Federal Signal Corporation and its subsidiaries (referred to collectively as the “Company,” “we,” “our” or “us” herein, unless the context otherwise indicates) with the United States Securities and Exchange Commission (the “SEC”), and includes comments made by management that may contain words such as “may,” “will,” “believe,” “expect,” “anticipate,” “intend,” “plan,” “project,” “estimate” and “objective” terminology, or the negative thereof, 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 Section 27A of the Securities Act of 1933, as amended (the “Securities Act”), Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”) and 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.

These risks and uncertainties, some of which are beyond the Company’s control, include the cyclical nature of the Company’s industrial, municipal, governmental and commercial markets; compliance with domestic and foreign laws and regulations; economic and political uncertainties and foreign currency rate fluctuations; restrictive debt covenants; availability of credit and third-party financing for customers; our ability to anticipate and meet customer demands for new products and product enhancements and the resulting products generating sufficient revenues to justify research and development expenses; our incurrence of restructuring and impairment charges as we continue to evaluate opportunities to restructure our business; highly competitive markets; increased product liability, warranty, recall claims, client service interruptions and other lawsuits and claims; technological advances by competitors; information technology security threats and cyber-attacks; infringement of, or an inability to protect, our intellectual property rights; disruptions in the supply of parts and components from suppliers and subcontractors; attraction and retention of key personnel; disruptions within our dealer network; work stoppages and other labor relations matters; increased pension funding requirements and expenses beyond our control; costs of compliance with environmental and safety regulations; our ability to use net operating loss and tax credit carryforwards to reduce future tax payments; charges related to goodwill; our ability to expand our business through successful future acquisitions; and unknown or unexpected contingencies in our business or in businesses acquired by us. These risks and uncertainties include, but are not limited to, the risk factors described under Item 1A, Risk Factors, of the Company’s Annual Report on Form 10-K for the year ended December 31, 2014, which was filed with the SEC on March 2, 2015. These factors may not constitute all factors that could cause actual results to differ materially from those discussed in any forward-looking statement. The Company operates in a continually changing business environment and new factors emerge from time to time. The Company cannot predict such factors, nor can it assess the impact, if any, of such factors on its results of operations, financial condition or cash flow. Accordingly, forward-looking statements should not be relied upon as a predictor of actual results. The Company disclaims any responsibility to update any forward-looking statement provided in this Form 10-Q.

**ADDITIONAL INFORMATION**

The Company is subject to the reporting and information requirements of the Exchange Act and, as a result, is obligated to file Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and other reports and information with the SEC, as well as amendments to those reports. The Company makes these filings available free of charge through our website at [www.federalsignal.com](http://www.federalsignal.com) as soon as reasonably practicable after such materials are filed with, or furnished to, the SEC. Information on our website does not constitute part of this Form 10-Q. In addition, the SEC maintains a website at [www.sec.gov](http://www.sec.gov) that contains reports, proxy and information statements and other information regarding issuers that file electronically. All materials that we file with, or furnish to, the SEC may also be read or copied at the SEC’s Public Reference Room at 100 F Street, N.E., Room 1580, Washington, D.C. 20549. Information on the operation of the Public Reference Room can be obtained by calling the

SEC at 1-800-SEC-0330.

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## PART I. FINANCIAL INFORMATION

## Item 1. Financial Statements (Unaudited).

## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited)

(in millions, except per share data)	Three Months Ended		Six Months Ended	
	June 30,		June 30,	
	2015	2014	2015	2014
Net sales	\$230.8	\$234.6	\$452.4	\$434.8
Cost of sales	165.1	175.7	327.5	329.1
Gross profit	65.7	58.9	124.9	105.7
Selling, engineering, general and administrative expenses	36.1	34.9	70.5	69.1
Restructuring	0.4	0.1	0.4	(0.1)
Operating income	29.2	23.9	54.0	36.7
Interest expense	0.6	0.9	1.2	1.9
Other expense, net	0.1	0.3	1.0	0.3
Income before income taxes	28.5	22.7	51.8	34.5
Income tax expense	(10.2)	(5.7)	(18.6)	(9.9)
Income from continuing operations	18.3	17.0	33.2	24.6
Gain (loss) from discontinued operations and disposal, net of tax	—	0.1	—	(0.1)
Net income	\$18.3	\$17.1	\$33.2	\$24.5
Basic earnings per share:				
Earnings from continuing operations	\$0.29	\$0.27	\$0.53	\$0.39
Gain (loss) from discontinued operations and disposal, net of tax	—	—	—	—
Net earnings per share	\$0.29	\$0.27	\$0.53	\$0.39
Diluted earnings per share:				
Earnings from continuing operations	\$0.29	\$0.27	\$0.52	\$0.39
Gain (loss) from discontinued operations and disposal, net of tax	—	—	—	—
Net earnings per share	\$0.29	\$0.27	\$0.52	\$0.39
Weighted average common shares outstanding:				
Basic	62.6	62.8	62.5	62.8
Diluted	63.6	63.8	63.5	63.8
Cash dividends declared per common share	\$0.06	\$0.03	\$0.12	\$0.03
See notes to condensed consolidated financial statements.				

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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (Unaudited)

(in millions)	Three Months Ended		Six Months Ended		
	June 30,		June 30,		
	2015	2014	2015	2014	
Net income	\$18.3	\$17.1	\$33.2	\$24.5	
Other comprehensive income (loss):					
Change in foreign currency translation adjustment	4.6	0.4	(7.3	) 0.4	
Change in unrecognized net actuarial losses related to pension benefit plans, net of income tax expense of \$0.4, \$0.4, \$1.3 and \$0.8, respectively	0.3	0.6	2.2	1.4	
Unrealized net loss on derivatives, net of income tax benefit of \$0.0, \$(0.1), \$0.0 and \$(0.1), respectively	—	(0.2	) —	(0.2	)
Total other comprehensive income (loss)	4.9	0.8	(5.1	) 1.6	
Comprehensive income	\$23.2	\$17.9	\$28.1	\$26.1	

See notes to condensed consolidated financial statements.

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CONDENSED CONSOLIDATED BALANCE SHEETS

	June 30, 2015	December 31, 2014
(in millions, except per share data)	(Unaudited)	
<b>ASSETS</b>		
Current assets:		
Cash and cash equivalents	\$ 35.9	\$ 30.4
Accounts receivable, net of allowances for doubtful accounts of \$1.6 and \$1.3, respectively	119.8	107.6
Inventories	120.1	121.0
Prepaid expenses	10.7	8.8
Deferred tax assets	12.3	18.8
Other current assets	7.2	2.8
Current assets of discontinued operations	0.7	1.1
Total current assets	306.7	290.5
Properties and equipment, net of accumulated depreciation of \$128.9 and \$124.6, respectively	68.2	69.5
Goodwill	262.4	266.3
Deferred tax assets	16.7	25.3
Deferred charges and other assets	3.7	4.0
Long-term assets of discontinued operations	3.0	3.1
Total assets	\$ 660.7	\$ 658.7
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Current portion of long-term borrowings and capital lease obligations	\$ 6.2	\$ 6.2
Accounts payable	49.4	50.7
Customer deposits	11.6	12.1
Deferred revenue	7.8	2.9
Accrued liabilities:		
Compensation and withholding taxes	22.2	28.2
Other current liabilities	33.0	37.3
Current liabilities of discontinued operations	1.6	1.7
Total current liabilities	131.8	139.1
Long-term borrowings and capital lease obligations	42.4	44.0
Long-term pension and other postretirement benefit liabilities	58.4	63.5
Deferred gain	13.6	14.6
Other long-term liabilities	21.6	20.9
Long-term liabilities of discontinued operations	4.9	5.0
Total liabilities	272.7	287.1
Stockholders' equity:		
Common stock, \$1 par value per share, 90.0 shares authorized, 64.7 and 64.2 shares issued, respectively	64.7	64.2
Capital in excess of par value	190.2	187.0
Retained earnings	252.7	227.0
Treasury stock, at cost, 2.2 and 1.7 shares, respectively	(35.0)	(27.1)
Accumulated other comprehensive loss	(84.6)	(79.5)
Total stockholders' equity	388.0	371.6



Total liabilities and stockholders' equity	\$660.7	\$ 658.7
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See notes to condensed consolidated financial statements.

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CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited)

(in millions)	Six Months Ended	
	June 30, 2015	2014
Operating activities:		
Net income	\$33.2	\$24.5
Adjustments to reconcile net income to net cash provided by operating activities:		
Loss from discontinued operations and disposal	—	0.1
Depreciation and amortization	7.7	7.3
Deferred financing costs	0.2	0.2
Deferred gain	(1.0)	(1.0)
Stock-based compensation expense	3.1	2.8
Excess tax benefit from stock-based compensation	(0.3)	—
Pension expense, net of funding	(2.2)	(2.4)
Provision for doubtful accounts	0.5	0.1
Deferred income taxes	14.6	12.0
Changes in operating assets and liabilities, net of effects of discontinued operations	(28.3)	(19.9)
Net cash provided by continuing operating activities	27.5	23.7
Net cash used for discontinued operating activities	(0.1)	(0.3)
Net cash provided by operating activities	27.4	23.4
Investing activities:		
Purchases of properties and equipment	(5.6)	(9.4)
Proceeds from sales of properties and equipment	0.1	0.1
Proceeds from sale of FSTech Group	—	7.0
Net cash used for continuing investing activities	(5.5)	(2.3)
Financing activities:		
Decrease in revolving lines of credit, net	—	(20.0)
Increase in short-term borrowings, net	—	5.0
Payments on long-term borrowings	(1.4)	(1.4)
Purchases of treasury stock	(5.0)	(3.3)
Redemptions of common stock to satisfy withholding taxes related to stock-based compensation	(2.9)	—
Cash dividends paid to stockholders	(7.5)	(1.9)
Proceeds from stock-based compensation activity	0.4	1.1
Excess tax benefit from stock-based compensation	0.3	—
Other, net	(0.3)	(0.4)
Net cash used for continuing financing activities	(16.4)	(20.9)
Effects of foreign exchange rate changes on cash and cash equivalents	—	0.2
Increase in cash and cash equivalents	5.5	0.4
Cash and cash equivalents at beginning of period	30.4	23.8
Cash and cash equivalents at end of period	\$35.9	\$24.2
See notes to condensed consolidated financial statements.		

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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY (Unaudited)

(in millions)	Common Stock	Capital in Excess of Par Value	Retained Earnings	Treasury Stock	Accumulated Other Comprehensive Loss	Total
Balance at January 1, 2015	\$64.2	\$187.0	\$227.0	\$(27.1 )	\$(79.5 )	\$371.6
Net income			33.2			33.2
Total other comprehensive loss					(5.1 )	(5.1 )
Cash dividends declared			(7.5 )			(7.5 )
Stock-based payments:						
Stock-based compensation		2.7				2.7
Stock option exercises and other		1.0				1.0
Performance share unit transactions	0.5	(0.5 )		(2.9 )		(2.9 )
Stock repurchase program				(5.0 )		(5.0 )
Balance at June 30, 2015	\$64.7	\$190.2	\$252.7	\$(35.0 )	\$(84.6 )	\$388.0
(in millions)	Common Stock	Capital in Excess of Par Value	Retained Earnings	Treasury Stock	Accumulated Other Comprehensive Loss	Total
Balance at January 1, 2014	\$63.8	\$177.0	\$168.9	\$(16.8 )	\$(41.9 )	\$351.0
Net income			24.5			24.5
Total other comprehensive income					1.6	1.6
Cash dividends declared			(1.9 )			(1.9 )
Stock-based payments:						
Stock-based compensation		2.2				2.2
Stock option exercises and other	0.2	1.2				1.4
Stock repurchase program				\$(3.3 )		\$(3.3 )
Balance at June 30, 2014	\$64.0	\$180.4	\$191.5	\$(20.1 )	\$(40.3 )	\$375.5

See notes to condensed consolidated financial statements.

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FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES  
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS  
(Unaudited)

NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Organization and Description of the Business

Federal Signal Corporation was founded in 1901 and was reincorporated as a Delaware corporation in 1969. References herein to the “Company,” “we,” “our” or “us” refer collectively to Federal Signal Corporation and its subsidiaries. Products manufactured and services rendered by the Company are divided into three major operating segments: Environmental Solutions Group, Safety and Security Systems Group and Fire Rescue Group. The individual operating businesses are organized under each segment because they share certain characteristics, including technology, marketing, distribution and product application, which create long-term synergies. The Company’s reportable segments are consistent with its operating segments. These segments are discussed in Note 10 – Segment Information.

Basis of Presentation and Consolidation

The accompanying unaudited condensed consolidated financial statements represent the consolidation of Federal Signal Corporation and its subsidiaries included herein and have been prepared by the Company pursuant to the rules and regulations of the United States (“U.S.”) Securities and Exchange Commission (the “SEC”). Certain information and footnote disclosures normally included in financial statements prepared in accordance with U.S. generally accepted accounting principles (“GAAP”) have been condensed or omitted pursuant to such rules and regulations, although the Company believes that the disclosures are adequate to ensure the information presented is not misleading. These condensed consolidated financial statements have been prepared in accordance with the Company’s accounting policies described in the Company’s Annual Report on Form 10-K for the year ended December 31, 2014, and should be read in conjunction with those consolidated financial statements and the notes thereto.

These statements include all adjustments, including those of a normal recurring nature, that we considered necessary to present a fair statement of our results of operations, financial condition and cash flow. Intercompany balances and transactions have been eliminated in consolidation. The results reported in these condensed consolidated financial statements should not be regarded as necessarily indicative of results that may be expected for the entire year. While we label our quarterly information using a calendar convention whereby our first, second and third quarters are labeled as ending on March 31, June 30 and September 30, respectively, it is our longstanding practice to establish interim quarterly closing dates based on a 13-week period ending on a Saturday, with our fiscal year ending on December 31. The effects of this practice are not material and exist only within a reporting year.

We have reclassified certain prior period amounts to conform to the current period presentation.

Recent Accounting Pronouncements and Accounting Changes

In April 2014, the Financial Accounting Standards Board (the “FASB”) issued Accounting Standards Update (“ASU”) No. 2014-08, Presentation of Financial Statements (Topic 205) and Property, Plant and Equipment (Topic 360), Reporting Discontinued Operations and Disclosures of Disposals of Components of an Entity. This update revises the required criteria for reporting disposals as discontinued operations, whereby such disposals must represent strategic shifts that had (or will have) a major effect on an entity’s operations and financial results. The guidance also requires additional disclosures about discontinued operations, including expanded disclosure of any significant ongoing involvement. The new requirements are effective prospectively for all disposals that occur within fiscal years beginning on or after December 15, 2014, and for interim periods within those fiscal years. The Company’s adoption of the guidance on January 1, 2015 did not have an impact on its results of operations, financial condition or cash flow.

In May 2014, the FASB issued ASU No. 2014-09, Revenue from Contracts with Customers (Topic 606), which supersedes the revenue recognition requirements in ASC 605, Revenue Recognition. This ASU is based on the principle that revenue is recognized to depict the transfer of goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. The ASU also requires additional disclosure about the nature, amount, timing and uncertainty of revenue and cash flows arising from customer contracts, including significant judgments and changes in judgments, and assets recognized from costs incurred to obtain or fulfill a contract. The FASB decided to allow either a “full retrospective” adoption, in which the

standard is applied to all periods presented in the financial statements, or a “modified retrospective” adoption, in which the guidance is applied retrospectively only to the most current

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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

period presented in the financial statements, with the cumulative effect of initially applying the new standard being recognized as an adjustment to the opening balance of retained earnings. As originally proposed, this guidance was effective for annual reporting periods beginning on or after December 15, 2016, including interim periods within that reporting period, and early adoption was not permitted. In July 2015, the FASB voted to approve a one-year deferral of the effective date, to annual reporting periods beginning on or after December 15, 2017, including interim periods within that reporting period. The final ASU also allows companies to adopt the guidance early, but no earlier than the original effective date. The Company is currently evaluating the impact of the adoption of this guidance on its consolidated financial statements.

In April 2015, the FASB issued ASU No. 2015-03, Interest – Imputation of Interest (Subtopic 835-30), Simplifying the Presentation of Debt Issuance Costs, which requires that debt issuance costs be presented in the balance sheets as a direct deduction from the carrying amount of the related debt liability. The new requirement is effective for fiscal years beginning on or after December 15, 2015, and for interim periods within those fiscal years. Retrospective presentation is required for all comparable periods presented. The Company does not believe that the adoption of this guidance will have a material impact on its consolidated financial statements.

## Use of Estimates

The preparation of consolidated financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect (i) the reported amounts of assets and liabilities, (ii) the disclosure of contingent assets and liabilities at the date of the consolidated financial statements and (iii) the reported amounts of revenues and expenses during the reporting period. Significant estimates and assumptions are used for, but are not limited to, revenue recognition, workers' compensation and product liability reserves, asset impairment, pension and other post-retirement benefit obligations, income tax contingency accruals and valuation allowances, and litigation-related accruals. Actual results could differ from those estimates.

There have been no changes to the Company's significant accounting policies as disclosed in the Company's Annual Report on Form 10-K for the year ended December 31, 2014.

## NOTE 2 – INVENTORIES

The following table summarizes the components of inventories:

(in millions)	June 30, 2015	December 31, 2014
Raw materials	\$46.6	\$ 53.1
Work in progress	24.2	23.7
Finished goods	49.3	44.2
Total inventories	\$ 120.1	\$ 121.0

## NOTE 3 – DEBT

The following table summarizes the components of Long-term borrowings and capital lease obligations:

(in millions)	June 30, 2015	December 31, 2014
Senior Secured Credit Facility:		
Revolving credit facility	\$—	\$—
Term loan	47.7	49.2
Capital lease obligations	0.9	1.0
Total long-term borrowings and capital lease obligations, including current portion	48.6	50.2
Less: Current maturities	5.8	5.8
Less: Current capital lease obligations	0.4	0.4
Total long-term borrowings and capital lease obligations, net	\$42.4	\$44.0

As more fully described within Note 1 – Summary of Significant Accounting Policies in the Company's Annual Report on Form 10-K for the year ended December 31, 2014, the Company uses a three-level fair value hierarchy that

prioritizes the

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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

inputs used to measure fair value. The fair value of long-term debt is based on interest rates that we believe are currently available to us for issuance of debt with similar terms and remaining maturities (Level 2 input).

The following table summarizes the carrying amounts and fair values of the Company's financial instruments:

(in millions)	June 30, 2015		December 31, 2014	
	Notional	Fair	Notional	Fair
	Amount	Value	Amount	Value
Long-term borrowings <sup>(a)</sup>	\$48.6	\$48.6	\$50.2	\$50.2

(a) Long-term borrowings includes current portions of long-term debt and current portions of capital lease obligations of \$6.2 million and \$6.2 million as of June 30, 2015 and December 31, 2014, respectively.

In March 2013, the Company executed a \$225.0 million senior secured credit facility (the "Senior Secured Credit Facility") comprised of a five-year fully funded term loan of \$75.0 million and a five-year \$150.0 million revolving credit facility. As of June 30, 2015, there was no cash drawn and \$24.0 million of undrawn letters of credit under the \$150.0 million revolving credit facility portion of the Senior Secured Credit Facility, with \$126.0 million of net availability for borrowings.

For the six months ended June 30, 2015, there were no gross borrowings or gross payments under the Company's domestic revolving credit facility. For the six months ended June 30, 2014, gross borrowings and gross payments under the Company's domestic revolving credit facility were \$6.5 million and \$26.5 million, respectively.

As of June 30, 2015, there were no borrowings against the Company's non-U.S. lines of credit which provide for borrowings of up to \$10.2 million.

The Senior Secured Credit Facility requires the Company to comply with financial covenants related to the maintenance of a minimum fixed charge coverage ratio and maximum leverage ratio. The financial covenants are measured at each fiscal quarter-end. Restricted payments, including dividends, are permitted only if the pro-forma leverage ratio after giving effect to such payment is less than 3.25x, pro-forma compliance after giving effect to such payment is maintained for all other financial covenants and there are no existing defaults under the Senior Secured Credit Facility. The Company was in compliance with all of its debt covenants as of June 30, 2015.

## NOTE 4 – INCOME TAXES

The Company recognized income tax expense of \$10.2 million and \$5.7 million for the three months ended June 30, 2015 and 2014, respectively. The increase in tax expense in the current-year quarter is largely due to higher pre-tax income levels. The prior-year quarter also included a tax benefit of \$1.5 million associated with a reduction in unrecognized tax benefits, primarily related to the completion of an IRS audit. These factors contributed to the effective tax rate increasing from 25.1% in the prior-year quarter to 35.8% for the three months ended June 30, 2015. For the six months ended June 30, 2015 and 2014, the Company recognized income tax expense of \$18.6 million and \$9.9 million, respectively. The effective tax rate was 35.9% and 28.7% for the six months ended June 30, 2015 and 2014, respectively. The increase in tax expense and the effective tax rate in the six months ended June 30, 2015 was due to higher pre-tax income levels and the absence of the aforementioned \$1.5 million tax benefit.



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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

## NOTE 5 – PENSIONS

The following table summarizes the components of net postretirement pension expense:

	U.S. Benefit Plan				Non-U.S. Benefit Plans			
	Three Months Ended		Six Months Ended		Three Months Ended		Six Months Ended	
	June 30,		June 30,		June 30,		June 30,	
(in millions)	2015	2014	2015	2014	2015	2014	2015	2014
Service cost	\$—	\$—	—	—	\$0.1	\$0.1	\$0.2	\$0.2
Interest cost	1.9	1.9	3.8	3.9	0.5	0.6	1.0	1.3
Amortization of actuarial loss	1.8	1.3	3.4	2.5	0.2	0.1	0.4	0.2
Expected return on plan assets	(2.6 )	(2.2 )	(5.1 )	(4.5 )	(0.7 )	(0.9 )	(1.4 )	(1.8 )
Net postretirement pension expense	\$1.1	\$1.0	2.1	1.9	\$0.1	\$(0.1 )	\$0.2	\$(0.1 )

During the six months ended June 30, 2015 and 2014, the Company contributed \$3.3 million and \$3.5 million to its U.S. defined benefit plan, respectively, and \$1.2 million and \$0.7 million to its non-U.S. defined benefit plans, respectively.

For the year ended December 31, 2015, the Company expects to contribute up to \$7.0 million to the U.S. benefit plan and up to \$1.2 million to the non-U.S. benefit plans.

During the six months ended June 30, 2015, the Company repurchased all of the remaining shares of its common stock from its U.S. benefit plan for a total cost of \$3.6 million. The repurchases were made under the stock repurchase program discussed further in Note 9 – Stockholders' Equity. At December 31, 2014, total assets of the U.S. benefit plan included 0.2 million of the Company's common stock shares, valued at \$3.6 million. The value of the shares was determined using quoted market prices (Level 1 input).

## NOTE 6 – COMMITMENTS AND CONTINGENCIES

## Guarantees

The Company provides indemnifications and other guarantees in the ordinary course of business, the terms of which range in duration and often are not explicitly defined. Specifically, the Company is occasionally required to provide letters of credit and bid and performance bonds to various customers, principally to act as security for retention levels related to casualty insurance policies and to guarantee the performance of subsidiaries that engage in export and domestic transactions. At June 30, 2015, the Company had outstanding performance and financial standby letters of credit, as well as outstanding bid and performance bonds, in the aggregate amount of \$35.0 million. If any such letters of credit or bonds are called, the Company would be obligated to reimburse the issuer of the letter of credit or bond. The Company believes the likelihood of any currently outstanding letter of credit or bond being called is remote. The Company issues product performance warranties to customers with the sale of its products. The specific terms and conditions of these warranties vary depending upon the product sold and country in which the Company does business, with warranty periods generally ranging from one to five years. The Company estimates the costs that may be incurred under its basic limited warranty and records a liability in the amount of such costs at the time the sale of the related product is recognized. Factors that affect the Company's warranty liability include (i) the number of units under warranty, (ii) historical and anticipated rates of warranty claims and (iii) costs per claim. The Company periodically assesses the adequacy of its recorded warranty liabilities and adjusts the amounts as necessary.

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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

The following table summarizes the changes in the Company's warranty liabilities:

(in millions)	2015	2014
Balance at January 1	\$9.1	\$8.4
Provisions to expense	3.6	3.5
Payments	(3.8	) (3.5
Balance at June 30	\$8.9	\$8.4

**Environmental Liabilities**

Reserves of \$1.2 million and \$1.3 million related to the environmental remediation of the Pearland, Texas facility are included in liabilities of discontinued operations on the Condensed Consolidated Balance Sheets at June 30, 2015 and December 31, 2014, respectively. The facility was previously used by the Company's discontinued Pauluhn business and manufactured marine, offshore and industrial lighting products. The Company sold the facility in May 2012 and while the Company has not finalized its plans, it is probable that the site will require remediation. The recorded reserves are based on an undiscounted estimate of the range of costs to remediate the site, depending upon the remediation approach and other factors. The Company's estimate may change in the near-term as more information becomes available; however, the costs are not expected to have a material adverse effect on the Company's results of operations, financial position or cash flow.

**Legal Proceedings**

The Company is subject to various claims, including pending and possible legal actions for product liability and other damages, and other matters arising in the ordinary course of the Company's business. On a quarterly basis, the Company reviews uninsured material legal claims against the Company and accrues for the costs of such claims as appropriate in the exercise of management's best judgment and experience. However, due to a lack of factual information available to the Company about a claim, or the procedural stage of a claim, it may not be possible for the Company to reasonably assess either the probability of a favorable or unfavorable outcome of the claim or to reasonably estimate the amount of loss should there be an unfavorable outcome. Therefore, for many claims, the Company cannot reasonably estimate a range of loss.

The Company believes, based on current knowledge and after consultation with counsel, that the outcome of such claims and actions will not have a material adverse effect on the Company's results of operations or financial condition. However, in the event of unexpected future developments, it is possible that the ultimate resolution of such matters, if unfavorable, could have a material adverse effect on the Company's results of operations, financial condition or cash flow.

**Hearing Loss Litigation**

The Company has been sued by firefighters seeking damages claiming that exposure to the Company's sirens has impaired their hearing and that the sirens are therefore defective. There were 33 cases filed during the period of 1999 through 2004, involving a total of 2,443 plaintiffs, in the Circuit Court of Cook County, Illinois. These cases involved more than 1,800 firefighter plaintiffs from locations outside of Chicago. In 2009, six additional cases were filed in Cook County, involving 299 Pennsylvania firefighter plaintiffs. During 2013, another case was filed in Cook County involving 74 Pennsylvania firefighter plaintiffs.

The trial of the first 27 of these plaintiffs' claims occurred in 2008, when a Cook County jury returned a unanimous verdict in favor of the Company.

An additional 40 Chicago firefighter plaintiffs were selected for trial in 2009. Plaintiffs' counsel later moved to reduce the number of plaintiffs from 40 to nine. The trial for these nine plaintiffs concluded with a verdict against the Company and for the plaintiffs in varying amounts totaling \$0.4 million. The Company appealed this verdict. On September 13, 2012, the Illinois Appellate Court rejected this appeal. The Company thereafter filed a petition for rehearing with the Illinois Appellate Court, which was denied on February 7, 2013. The Company sought further review by filing a petition for leave to appeal with the Illinois Supreme Court on March 14, 2013. On May 29, 2013, the Illinois Supreme Court issued a summary order declining to accept review of this case. On July 1, 2013, the

Company satisfied the judgments entered for these plaintiffs, which has resulted in final dismissal of these cases. A third consolidated trial involving eight Chicago firefighter plaintiffs occurred during November 2011. The jury returned a unanimous verdict in favor of the Company at the conclusion of this trial.

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NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

Following this trial, on March 12, 2012 the trial court entered an order certifying a class of the remaining Chicago Fire Department firefighter plaintiffs for trial on the sole issue of whether the Company's sirens were defective and unreasonably dangerous. The Company petitioned the Illinois Appellate Court for interlocutory appeal of this ruling. On May 17, 2012, the Illinois Appellate Court accepted the Company's petition. On June 8, 2012, plaintiffs moved to dismiss the appeal, agreeing with the Company that the trial court had erred in certifying a class action trial in this matter. Pursuant to plaintiffs' motion, the Illinois Appellate Court reversed the trial court's certification order. Thereafter, the trial court scheduled a fourth consolidated trial involving three firefighter plaintiffs, which began in December 2012. Prior to the start of this trial, the claims of two of the three firefighter plaintiffs were dismissed. On December 17, 2012, the jury entered a complete defense verdict for the Company.

Following this defense verdict, plaintiffs again moved to certify a class of Chicago Fire Department plaintiffs for trial on the sole issue of whether the Company's sirens were defective and unreasonably dangerous. Over the Company's objection, the trial court granted plaintiffs' motion for class certification on March 11, 2013 and scheduled a class action trial to begin on June 10, 2013. The Company filed a petition for review with the Illinois Appellate Court on March 29, 2013 seeking reversal of the class certification order.

On June 25, 2014, a unanimous three-judge panel of the First District Illinois Appellate Court issued its opinion reversing the class certification order of the trial court. Specifically, the Appellate Court determined that the trial court's ruling failed to satisfy the class-action requirements that the common issues of the firefighters' claims predominate over the individual issues and that there is an adequate representative for the class. During a status hearing on October 8, 2014, plaintiffs represented to the Court that they would again seek to certify a class of firefighters on the issue of whether the Company's sirens were defective and unreasonably dangerous. On January 12, 2015, plaintiffs filed motions to amend their complaints to add class action allegations with respect to Chicago firefighter plaintiffs as well as the approximately 1,800 firefighter plaintiffs from locations outside of Chicago. On March 11, 2015, the trial court granted plaintiffs' motions to amend their complaints. Plaintiffs have indicated that they will now file motions to certify classes in these cases. On April 24, 2015, the cases were transferred to Cook County chancery court, which will decide all class certification issues. The Company intends to continue its objections to any attempt at certification. The Company also has filed motions to dismiss cases involving firefighters located outside of Cook County based on improper venue. The next status hearing on these matters will be on August 25, 2015, at which time the Court may set discovery and briefing schedules on the venue and class certification motions.

The Company has also been sued on this issue outside of the Cook County, Illinois venue. Many of these cases have involved lawsuits filed by a single attorney in the Court of Common Pleas, Philadelphia County, Pennsylvania. During 2007 and through 2009, this attorney filed a total of 71 lawsuits, involving 71 plaintiffs in this jurisdiction. Three of these cases were dismissed pursuant to pretrial motions filed by the Company. Another case was voluntarily dismissed. Prior to trial in four cases, the Company paid nominal sums, which included reimbursements of expenses, to obtain dismissals.

Three trials occurred in Philadelphia involving these cases filed in 2007 through 2009. The first trial involving one of these plaintiffs occurred in 2010, when the jury returned a verdict for the plaintiff. In particular, the jury found that the Company's siren was not defectively designed, but that the Company negligently constructed the siren. The jury awarded damages in the amount of \$0.1 million, which was subsequently reduced to \$0.08 million. The Company appealed this verdict. Another trial, involving nine Philadelphia firefighter plaintiffs, also occurred in 2010 when the jury returned a defense verdict for the Company as to all claims and all plaintiffs involved in that trial. The third trial, also involving nine Philadelphia firefighter plaintiffs, was completed during 2010 when the jury returned a defense verdict for the Company as to all claims and all plaintiffs involved in that trial.

Following defense verdicts in the last two Philadelphia trials, the Company negotiated settlements with respect to all remaining filed cases in Philadelphia at that time, as well as other firefighter claimants represented by the attorney who filed the Philadelphia cases. On January 4, 2011, the Company entered into a Global Settlement Agreement (the "Settlement Agreement") with the law firm of the attorney representing the Philadelphia claimants, on behalf of 1,125

claimants the firm represented (the “Claimants”) and who had asserted product claims against the Company (the “Claims”). Three hundred eight of the Claimants had lawsuits pending against the Company in Cook County, Illinois. The Settlement Agreement, as amended, provided that the Company pay a total amount of \$3.8 million (the “Settlement Payment”) to settle the Claims (including the costs, fees and other expenses of the law firm in connection with its representation of the Claimants), subject to certain terms, conditions and procedures set forth in the Settlement Agreement. In order for the Company to be required to make the Settlement Payment: (i) each Claimant who agreed to settle his or her claims had to sign a release acceptable to the Company (a “Release”), (ii) each Claimant who agreed to the settlement and who was a plaintiff in a

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NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

lawsuit, had to dismiss his or her lawsuit with prejudice, (iii) by April 29, 2011, at least 93% of the Claimants identified in the Settlement Agreement must have agreed to settle their claims and provide a signed Release to the Company and (iv) the law firm had to withdraw from representing any Claimants who did not agree to the settlement, including those who filed lawsuits. If the conditions to the settlement were met, but less than 100% of the Claimants agreed to settle their Claims and sign a Release, the Settlement Payment would be reduced by the percentage of Claimants who did not agree to the settlement.

On April 22, 2011, the Company confirmed that the terms and conditions of the Settlement Agreement had been met and made a payment of \$3.6 million to conclude the settlement. The amount was based upon the Company's receipt of 1,069 signed releases provided by Claimants, which was 95.02% of all Claimants identified in the Settlement Agreement.

The Company generally denies the allegations made in the claims and lawsuits by the Claimants and denies that its products caused any injuries to the Claimants. Nonetheless, the Company entered into the Settlement Agreement for the purpose of minimizing its expenses, including legal fees, and avoiding the inconvenience, uncertainty and distraction of the claims and lawsuits.

During April through October 2012, 20 new cases were filed in the Court of Common Pleas, Philadelphia County, Pennsylvania. These cases were filed on behalf of 20 Philadelphia firefighters and involve various defendants in addition to the Company. Five of these cases were subsequently dismissed. The first trial involving these new Philadelphia cases occurred during December 2014 and involved three firefighter plaintiffs. The jury returned a verdict in favor of the Company. Following this trial, all of the parties agreed to settle cases involving seven firefighter plaintiffs set for trial during January 2015 for nominal amounts per plaintiff. In January 2015, plaintiffs' attorneys filed two new complaints in the Court of Common Pleas, Philadelphia, Pennsylvania on behalf of approximately 70 additional firefighter plaintiffs. The vast majority of the firefighters identified in these complaints are located outside of Pennsylvania. One of the complaints in these cases, which involves 11 firefighter plaintiffs from the District of Columbia, has been removed to federal court in the Eastern District of Pennsylvania.

During April through July 2013, additional cases were filed in Allegheny County, Pennsylvania. These cases involve 247 plaintiff firefighters from Pittsburgh and various defendants, including the Company. After the Company filed pretrial motions, the Court dismissed claims of 41 Pittsburgh firefighter plaintiffs. An initial trial involving eight Pittsburgh firefighters has been scheduled for January 2016. During March 2014, an action also was brought in the Court of Common Pleas of Erie County, Pennsylvania on behalf of 61 firefighters. This case likewise involves various defendants in addition to the Company. After the Company filed pretrial motions, 32 Erie County firefighter plaintiffs voluntarily dismissed their claims. On September 17, 2014, 20 lawsuits, involving a total of 193 Buffalo Fire Department firefighters, were filed in the Supreme Court of the State of New York, Erie County. Several product manufacturers, including the Company, have been named as defendants in these cases. All of the cases filed in Erie County, New York have been removed to federal court in the Western District of New York. During February 2015, a lawsuit involving one New York City firefighter plaintiff was filed in the Supreme Court of the State of New York, New York County. Plaintiff named the Company as well as several other parties as defendants. That case has been removed to federal court in the Southern District of New York. The Company also is aware that a lawsuit involving eight New York City firefighters was filed in New York County, New York, on April 24, 2015 and that a lawsuit involving 34 New Jersey firefighters was filed in Union County, New Jersey state court on May 4, 2015. The Company has not yet been served in those two cases.

From 2007 through 2009, firefighters also brought hearing loss claims against the Company in New Jersey, Missouri, Maryland and Kings County, New York. All of those cases, however, were dismissed prior to trial, including four cases in the Supreme Court of Kings County, New York that were dismissed upon the Company's motion in 2008. On appeal, the New York appellate court affirmed the trial court's dismissal of these cases. Plaintiffs' attorneys have threatened to file additional lawsuits. The Company intends to vigorously defend all of these lawsuits, if filed.

The Company's ongoing negotiations with its insurer, CNA, over insurance coverage on these claims have resulted in reimbursements of a portion of the Company's defense costs. These reimbursements are recorded as a reduction of corporate operating expenses. For the six months ended June 30, 2015 and 2014, the Company recorded \$0.1 million and \$0.1 million of reimbursements from CNA related to legal costs, respectively.

Latvian Commercial Dispute

On June 12, 2014, a Latvian trial court issued a summary ruling against the Company's Bronto Skylift Oy Ab ("Bronto") subsidiary in a lawsuit relating to a commercial dispute. The dispute involves a transaction for the 2008 sale of three Bronto units that were purchased by a financing company for lease to a Latvian fire department. The lessor and the Latvian fire department sought to rescind the contract after delivery, despite the fact that an independent third party, selected by the lessor,

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FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

had certified that the vehicles satisfied the terms of the contract. The adverse judgment requires Bronto to refund the purchase price and pay interest and attorneys' fees. The trial court denied the lessor's claim against Bronto for alleged damages relating to lost lease income.

The Company continues to believe that the claims against Bronto are invalid and that Bronto fully satisfied the terms of the subject contract. Accordingly, on July 30, 2014, the Company filed an appeal with the Civil Chamber of the Supreme Court of Latvia seeking a reversal of the trial court's ruling. The appeal hearing with the Supreme Court is currently scheduled for April 2016.

As of June 30, 2015, the Company has not accrued any liability within its consolidated financial statements for this lawsuit. In evaluating whether a charge to record a reserve was necessary, the Company analyzed all of the available information, including the legal reasoning applied by the judge of the trial court in reaching its decision. Based on the Company's analysis, and consultations with external counsel, the Company has assessed the likelihood of a successful appeal to be more likely than not and therefore does not believe that a probable loss has been incurred. In the event that the Company's appeal of the initial judgment is unsuccessful or not fully successful, the Company would expect to record a charge that could range from zero to approximately \$5 million. This range includes the amount of the adverse judgment, as well as estimated interest that will continue to accrue throughout the appeal process.

**NOTE 7 – EARNINGS PER SHARE**

The Company computes earnings per share ("EPS") in accordance with ASC 260, Earnings per Share, which requires that non-vested restricted stock containing non-forfeitable dividend rights should be treated as participating securities pursuant to the two-class method. Under the two-class method, net income is reduced by the amount of dividends declared in the period for common stock and participating securities. The remaining undistributed earnings are then allocated to common stock and participating securities as if all of the net income for the period had been distributed. The amounts of distributed and undistributed earnings allocated to participating securities for the three and six months ended June 30, 2015 and 2014 were insignificant and did not materially impact the calculation of basic or diluted EPS. Basic EPS is computed by dividing income or loss available to common stockholders by the weighted average number of shares of common stock and non-vested restricted stock awards outstanding for the year.

Diluted EPS is computed using the weighted average number of shares of common stock and non-vested restricted stock awards outstanding for the year plus the effect of dilutive potential common shares outstanding during the year. The dilutive effect of common stock equivalents is determined using the more dilutive of the two-class method or alternative methods. We use the treasury stock method to determine the potentially dilutive impact of our employee stock options and restricted stock units, and the contingently issuable method for our performance-based restricted stock unit awards.

For the three and six months ended June 30, 2015 and 2014, options to purchase 0.8 million and 0.5 million shares of the Company's common stock, respectively, had an anti-dilutive effect on EPS, and accordingly, are excluded from the calculation of diluted EPS.



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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

The following table reconciles Net income to basic and diluted EPS:

(in millions, except per share data)	Three Months Ended		Six Months Ended	
	June 30,		June 30,	
	2015	2014	2015	2014
Income from continuing operations	\$18.3	\$17.0	\$33.2	\$24.6
Gain (loss) from discontinued operations and disposal, net of tax	—	0.1	—	(0.1)
Net income	\$18.3	\$17.1	\$33.2	\$24.5
Weighted average shares outstanding – Basic	62.6	62.8	62.5	62.8
Dilutive effect of common stock equivalents	1.0	1.0	1.0	1.0
Weighted average shares outstanding – Diluted	\$63.6	\$63.8	\$63.5	\$63.8
Basic earnings per share:				
Earnings from continuing operations	\$0.29	\$0.27	\$0.53	\$0.39
Gain (loss) from discontinued operations and disposal, net of tax	—	—	—	—
Net earnings per share	\$0.29	\$0.27	\$0.53	\$0.39
Diluted earnings per share:				
Earnings from continuing operations	\$0.29	\$0.27	\$0.52	\$0.39
Gain (loss) from discontinued operations and disposal, net of tax	—	—	—	—
Net earnings per share	\$0.29	\$0.27	\$0.52	\$0.39

## NOTE 8 – STOCK-BASED COMPENSATION

On December 31, 2014, performance share units (“PSUs”) granted in 2012 became fully vested. The EPS threshold associated with these awards was achieved at the maximum level, and 200% of the target shares were earned. In addition, in the three months ended June 30, 2015, restricted stock awards granted in 2012 became fully vested. These vested performance share units and restricted stock awards were net share settled. In connection with the issuance of the shares underlying the PSUs during the six months ended June 30, 2015, and with the vesting of restricted stock, the Company transferred 0.2 million shares into Treasury Stock, based upon the Company’s closing stock price on the vesting date, to satisfy the employees’ minimum statutory withholding obligation for applicable income and other employment taxes. The Company then remitted the equivalent cash value to the appropriate taxing authorities. Total payments for the employees’ tax obligations to the relevant taxing authorities were \$2.9 million for the six months ended June 30, 2015, and are reflected as a financing activity within the Condensed Consolidated Statements of Cash Flows.

## NOTE 9 – STOCKHOLDERS’ EQUITY

## Dividends

On February 20, 2015, the Company’s Board of Directors (the “Board”) declared a quarterly cash dividend of \$0.06 per common share. The dividend totaled \$3.8 million and was distributed on March 27, 2015 to holders of record at the close of business on March 9, 2015.

On April 28, 2015, the Board declared a quarterly cash dividend of \$0.06 per common share. The dividend totaled \$3.7 million and was distributed on June 9, 2015 to holders of record at the close of business on May 19, 2015.

On July 16, 2015, the Board declared a quarterly cash dividend of \$0.06 per common share payable on August 27, 2015 to holders of record at the close of business on August 6, 2015.

## Stock Repurchase Program

In April 2014, the Board authorized a stock repurchase program (the “April 2014 program”) of up to \$15.0 million of the Company’s common stock. The April 2014 program was intended primarily to facilitate a reduction in the investment in Company stock within the Company’s U.S. defined benefit pension plan portfolio and to reduce dilution resulting from issuances of stock under the Company’s employee equity incentive programs.



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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

In November 2014, the Board authorized an additional stock repurchase program (the “November 2014 program”) of up to \$75.0 million of the Company’s common stock. The November 2014 program is intended primarily to facilitate opportunistic purchases of Company stock as a means to provide cash returns to stockholders, enhance stockholder returns and manage the Company’s capital structure.

During the three and six months ended June 30, 2015, the Company repurchased 96,725 and 330,362 shares for a total of \$1.4 million and \$5.0 million, respectively, under the authorized stock repurchase programs. As cumulative stock repurchases under the April 2014 program, including those made in the three months ended June 30, 2015, totaled \$15.0 million as of June 30, 2015, the April 2014 program is considered to be completed as of June 30, 2015 and no additional stock repurchases will be made under that program.

Under its stock repurchase programs, the Company is authorized to repurchase, from time to time, shares of its outstanding common stock in the open market or through privately negotiated transactions. Stock repurchases by the Company are subject to market conditions and other factors and may be commenced, suspended or discontinued at any time.

**Accumulated Other Comprehensive Loss**

The following tables summarize the changes in each component of Accumulated other comprehensive loss, net of tax:

(in millions) <sup>(a)</sup>	Actuarial Losses <sup>(b)</sup>	Foreign Currency Translation	Unrealized Gain (Loss) on Derivatives	Total
Balance at April 1, 2015	(77.9	) (11.7	) 0.1	(89.5
Other comprehensive income (loss) before reclassifications	(1.0	) 4.6	—	3.6
Amounts reclassified from accumulated other comprehensive loss	1.3	—	—	1.3
Net current-period other comprehensive income	0.3	4.6	—	4.9
Balance at June 30, 2015	(77.6	) (7.1	) 0.1	(84.6
Balance at April 1, 2014	(57.3	) 16.0	0.2	(41.1
Other comprehensive income (loss) before reclassifications	(0.2	) 0.3	(0.2	) (0.1
Amounts reclassified from accumulated other comprehensive loss	0.8	0.1	—	0.9
Net current-period other comprehensive income (loss)	0.6	0.4	(0.2	) 0.8
Balance at June 30, 2014	(56.7	) 16.4	—	(40.3

(in millions) <sup>(a)</sup>	Actuarial Losses <sup>(b)</sup>	Foreign Currency Translation	Unrealized Gain (Loss) on Derivatives	Total
Balance at January 1, 2015	\$(79.8	) \$0.2	\$0.1	\$(79.5
Other comprehensive loss before reclassifications	(0.2	) (7.3	) —	(7.5
Amounts reclassified from accumulated other comprehensive loss	2.4	—	—	2.4
Net current-period other comprehensive income (loss)	2.2	(7.3	) —	(5.1
Balance at June 30, 2015	\$(77.6	) \$(7.1	) \$0.1	\$(84.6
Balance at January 1, 2014	\$(58.1	) \$16.0	\$0.2	\$(41.9
Other comprehensive income (loss) before reclassifications	(0.3	) 0.2	(0.2	) (0.3
Amounts reclassified from accumulated other comprehensive loss	1.7	0.2	—	1.9
Net current-period other comprehensive income (loss)	1.4	0.4	(0.2	) 1.6
Balance at June 30, 2014	\$(56.7	) \$16.4	\$—	\$(40.3

(a) Amounts in parenthesis indicate debits.

Actuarial losses increased significantly during the fourth quarter of 2014 based on an updated actuarial valuation of the Company's defined-benefit pension obligations. Largely as a result of a lower discount rate and improved mortality assumptions, the Company's long-term pension liabilities increased, which contributed to a corresponding increase in actuarial losses.

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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

The following table summarizes the amount of actuarial losses reclassified from Accumulated other comprehensive loss, net of tax, in the three months ended June 30, 2015 and 2014 and the affected line item in the Condensed Consolidated Statements of Operations:

Details about Accumulated Other Comprehensive Loss Components	Amount Reclassified from Accumulated Other Comprehensive Loss		Affected Line Item in Condensed Consolidated Statements of Operations
	2015	2014	
	(in millions) <sup>(a)</sup>		
Amortization of actuarial losses of defined benefit pension plans	\$ (2.0 )	\$ (1.4 )	(b)
Total before tax	(2.0 )	(1.4 )	
Income tax benefit	0.7	0.6	Income tax expense
Total reclassifications for the period, net of tax	\$ (1.3 )	\$ (0.8 )	

The following table summarizes the amount of actuarial losses reclassified from Accumulated other comprehensive loss, net of tax, in the six months ended June 30, 2015 and 2014 and the affected line item in the Condensed Consolidated Statements of Operations:

Details about Accumulated Other Comprehensive Loss Components	Amount Reclassified from Accumulated Other Comprehensive Loss		Affected Line Item in Condensed Consolidated Statements of Operations
	2015	2014	
	(in millions) <sup>(a)</sup>		
Amortization of actuarial losses of defined benefit pension plans	\$ (3.8 )	\$ (2.7 )	(b)
Total before tax	(3.8 )	(2.7 )	
Income tax benefit	1.4	1.0	Income tax expense
Total reclassifications for the period, net of tax	\$ (2.4 )	\$ (1.7 )	

(a) Amount in parenthesis indicate debits to profit/loss.

(b) The actuarial loss components of Accumulated other comprehensive loss are included in the computation of net periodic pension cost for the three and six months ended June 30, 2015 and 2014, as disclosed in Note 5 – Pensions.

## NOTE 10 – SEGMENT INFORMATION

The Company has three operating segments as defined under ASC Topic 280, Segment Reporting. The Company's reportable segments are consistent with its operating segments. Business units are organized under each segment because they share certain characteristics, such as technology, marketing, production, distribution and product application, which create long-term synergies. The principal activities of the Company's operating segments are as follows:

**Environmental Solutions** — Our Environmental Solutions Group is a leading manufacturer and supplier of a full range of street sweeper vehicles, sewer cleaner and vacuum loader trucks, hydro-excavation trucks and high-performance waterblasting equipment. Products are sold to both municipal and industrial customers under the Elgin<sup>®</sup>, Vactor<sup>®</sup>, Guzzler<sup>®</sup> and Jetstream<sup>™</sup> brand names. The Group manufactures vehicles and equipment in the U.S.

**Safety and Security Systems** — Our Safety and Security Systems Group is a leading manufacturer and supplier of comprehensive systems and products that law enforcement, fire rescue, emergency medical services, campuses, military facilities and industrial sites use to protect people and property. Offerings include systems for campus and community alerting, emergency vehicles, first responder interoperable communications and industrial communications, as well as command and municipal networked security. Specific products include vehicle lightbars and sirens, public warning sirens, general alarm systems, public address systems and public safety software. Products are sold under the Federal Signal<sup>™</sup>, Federal Signal VAMA<sup>™</sup> and Victor<sup>™</sup> brand names. The Group operates

manufacturing facilities in the U.S., Europe and South Africa.

Fire Rescue — Our Fire Rescue Group is a leading manufacturer and supplier of sophisticated, vehicle-mounted, aerial platforms for fire fighting, rescue and industrial applications. End customers include fire departments, industrial fire services, electric utilities and maintenance rental companies for applications such as fire fighting and rescue, transmission line maintenance and installation and maintenance of wind turbines. In addition to equipment sales, the Group sells parts, service and training as part of a complete offering to its customers. The Group manufactures in Finland and sells globally under the Bronto Skylift® brand name.

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## FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

## NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

Corporate contains those items that are not included in our operating segments.

Net sales by operating segment reflect sales of products and services to external customers, as reported in the Company's Condensed Consolidated Statements of Operations. Intersegment sales are insignificant. The Company evaluates performance based on operating income of the respective segment. Operating income includes all revenues, costs and expenses directly related to the segment involved. In determining operating segment income, neither corporate nor interest expenses are included. Operating segment depreciation expense, identifiable assets and capital expenditures relate to those assets that are utilized by the respective operating segment. Corporate assets consist principally of cash and cash equivalents, deferred tax assets and fixed assets. The accounting policies of each operating segment are the same as those described in Note 1 – Summary of Significant Accounting Policies in the Company's Annual Report on Form 10-K for the year ended December 31, 2014. The results for the interim periods are not necessarily indicative of results for a full year.

The following tables summarize the Company's continuing operations by segment, including net sales, operating income (loss), and total assets:

(in millions)	Three Months Ended		Six Months Ended	
	June 30, 2015	2014	June 30, 2015	2014
Net sales:				
Environmental Solutions	\$146.6	\$139.2	\$286.8	\$259.9
Safety and Security Systems	58.8	61.3	115.1	116.3
Fire Rescue	25.4	34.1	50.5	58.6
Total net sales	\$230.8	\$234.6	\$452.4	\$434.8
Operating income (loss):				
Environmental Solutions	\$29.2	\$23.1	\$53.1	\$38.3
Safety and Security Systems	7.3	7.5	13.9	11.8
Fire Rescue	0.0	(0.3)	0.3	(1.1)
Corporate and eliminations	(7.3)	(6.4)	(13.3)	(12.3)
Total operating income	29.2	23.9	54.0	36.7
Interest expense	0.6	0.9	1.2	1.9
Other expense, net	0.1	0.3	1.0	0.3
Income before income taxes	\$28.5	\$22.7	\$51.8	\$34.5
(in millions)			As of June 30, 2015	As of December 31, 2014
Total assets:				
Environmental Solutions			\$271.9	\$254.2
Safety and Security Systems			202.7	208.3
Fire Rescue			122.0	124.0
Corporate and eliminations			60.4	68.0
Total assets of continuing operations			657.0	654.5
Total assets of discontinued operations			3.7	4.2
Total assets			\$660.7	\$658.7

## NOTE 11 – DISCONTINUED OPERATIONS

There were no new discontinued operations in 2014 or in the six months ended June 30, 2015.

The Company retains certain liabilities for operations discontinued in prior years, primarily for environmental remediation and product liability. Included in liabilities of discontinued operations at June 30, 2015 and December 31, 2014 was \$1.2 million and \$1.3 million, respectively, related to environmental remediation at the Pearland, Texas

facility, previously used by the Company's discontinued Pauluhn business, and \$3.0 million and \$3.0 million, respectively, relating to estimated product liability obligations of the discontinued North American refuse truck body business.

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FEDERAL SIGNAL CORPORATION AND SUBSIDIARIES

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS — (CONTINUED)

(Unaudited)

In connection with the 2012 sale of the former Federal Signal Technologies Group (“FSTech”), \$22.0 million was placed into escrow as security for indemnification obligations provided by the Company pursuant to the sale agreement. A significant portion of the escrow identified for general indemnification obligations was held for a period of 18 months following the sale date with the remaining general escrow funds to be held for 36 months following the sale date. In the first quarter of 2014, the Company received \$7.0 million from the escrow identified for general indemnification obligations.

If and when any additional amounts are received from the remaining general escrow funds, which totaled \$4.0 million at June 30, 2015, the Company may recognize an adjustment to Gain (loss) from discontinued operations and disposal, net of tax within its Condensed Consolidated Statement of Operations.

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## Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.

Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") is designed to provide information that is supplemental to, and should be read together with, the condensed consolidated financial statements and the accompanying notes contained in this Form 10-Q, as well as the Company's Annual Report on Form 10-K for the year ended December 31, 2014. Information in MD&A is intended to assist the reader in obtaining an understanding of (i) the condensed consolidated financial statements, (ii) the Company's business segments and how the results of those segments impact the Company's results of operations and financial condition as a whole and (iii) how certain accounting principles affect the Company's condensed consolidated financial statements. The Company's results for interim periods are not necessarily indicative of annual operating results.

## Executive Summary

The Company is a leading global manufacturer and supplier of (i) sewer cleaners, vacuum trucks, street sweepers and other environmental vehicles and equipment, (ii) safety, security and communication equipment and (iii) vehicle-mounted, aerial platforms for fire fighting, rescue, electric utility and industrial applications. We also are a designer and supplier of technology-based products and services for the public safety market. In addition, we sell parts and provide service, repair, equipment rentals and training as part of a comprehensive offering to our customer base. We operate twelve manufacturing facilities in six countries around the world and provide products and integrated solutions to municipal, governmental, industrial and commercial customers in all regions of the world. As described in Note 10 – Segment Information to the accompanying condensed consolidated financial statements, the Company's business units are organized and managed in three operating segments: Environmental Solutions Group, Safety and Security Systems Group and Fire Rescue Group.

Net sales decreased by \$3.8 million, or 2%, in the three months ended June 30, 2015 as compared to the respective prior-year quarter. Net sales in the current-year quarter were impacted by adverse foreign currency translation effects of \$7.8 million. Our Environmental Solutions Group reported a net sales increase of \$7.4 million, or 5%, primarily due to higher shipments of street sweepers. This improvement was offset by net sales decreases of \$8.7 million and \$2.5 million in our Fire Rescue and Safety and Security Systems groups, respectively, which included the aforementioned currency impacts.

Despite an unfavorable foreign currency translation impact of \$13.8 million, net sales for the six months ended June 30, 2015 increased by \$17.6 million, or 4%, compared to the same period of the prior year. The increase was largely driven by higher shipments of street sweepers and vacuum trucks in our Environmental Solutions Group, where net sales increased by \$26.9 million, or 10%. This improvement was offset by reductions in net sales in our Fire Rescue and Safety and Security Systems groups of \$8.1 million and \$1.2 million, respectively, which were due in large part to unfavorable foreign currency translation effects.

Operating income increased by \$5.3 million, or 22%, to \$29.2 million in the three months ended June 30, 2015 as compared to the respective prior-year quarter. This translated to an improved consolidated operating margin of 12.7%, compared to 10.2% in the prior year. For the six months ended June 30, 2015, operating income increased by 47.1%, to \$54.0 million, reflecting a consolidated operating margin of 11.9% compared to 8.4% in the prior-year period. The increases in both periods were primarily attributable to improved operating leverage and increased volumes within our Environmental Solutions Group, which drove improved gross margin. While foreign currency translation has adversely impacted consolidated net sales in 2015, the impact on operating income has not been significant, reducing consolidated operating income by less than 2% in each of the current-year periods. Operating income in each of the current-year periods also includes \$0.4 million of restructuring expenses associated with a voluntary reduction-in-force that was designed to reduce ongoing operating costs at our U.K. coal-mining business.

Income before income taxes increased by \$5.8 million, or 26%, to \$28.5 million for the three months ended June 30, 2015 as compared to the respective prior-year quarter. The increase was driven by the improvement in operating income, as well as a \$0.3 million reduction in interest expense resulting from lower debt levels, and a \$0.2 million decrease in other expense, net. For the six months ended June 30, 2015, income before income taxes was \$51.8 million, representing a \$17.3 million, or 50.1%, improvement compared to the respective prior-year period. The increase was primarily driven by a \$17.3 million improvement in operating income, and a \$0.7 million reduction in

interest expense, partially offset by a \$0.7 million increase in other expense, net.

Net income from continuing operations for the three and six months ended June 30, 2015 was also impacted by increases in income tax expense of \$4.5 million and \$8.7 million, respectively, largely due to higher pre-tax income levels. The effective tax rate for the three months ended June 30, 2015 was 35.8%, up from 25.1% in the same period of the prior year. For the six months ended June 30, 2015, the effective tax rate was 35.9%, compared to 28.7% in the prior-year period. The effective tax

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rate in the prior-year periods was favorably impacted by a \$1.5 million net reduction in unrecognized tax benefits, primarily related to the completion of an IRS audit.

Total orders for the three months ended June 30, 2015 decreased by \$39.9 million, or 16%, compared to the prior-year quarter, largely due to a \$37.8 million reduction in orders in our Environmental Solutions Group. Approximately 72% of the Environmental Solutions Group's order decline was attributable to a number of large fleet orders for street sweepers being received from customers in the U.S. and the Middle East in the prior-year quarter, which did not repeat in the current-year quarter. Softness in oil and gas markets also contributed to lower demand for sewer cleaners and vacuum trucks. In our Fire Rescue Group, orders were up 18% in local currency. However, due to a \$8.9 million unfavorable foreign currency translation impact, a \$1.5 million quarter-over-quarter order reduction was reported. Orders in our Safety and Security Systems Group were also down \$0.6 million, primarily attributable to the timing of large orders that were received in the prior-year quarter.

Total orders decreased by \$85.6 million, or 18%, in the six months ended June 30, 2015. In the first half of 2015, each of our Groups have seen a reduction in orders, with decreases of 34%, 17% and 7% in the Fire Rescue, Environmental Solutions and Safety and Security Systems groups, respectively. Largely as a result of increased shipments and the decrease in orders in each of our groups during the first half of 2015, including the effects of adverse foreign currency translation, our consolidated backlog has decreased by \$59.1 million, or 18%, from \$328.2 million at December 31, 2014 to \$269.1 million at June 30, 2015.

**Results of Operations**

The following table summarizes our Condensed Consolidated Statements of Operations and illustrates the key financial indicators used to assess our consolidated financial results:

(\$ in millions, except per share data)	Three Months Ended June 30,			Six Months Ended June 30,		
	2015	2014	Change	2015	2014	Change
Net sales	\$230.8	\$234.6	\$(3.8)	\$452.4	\$434.8	\$17.6
Cost of sales	165.1	175.7	(10.6)	327.5	329.1	(1.6)
Gross profit	65.7	58.9	6.8	124.9	105.7	19.2
Selling, engineering, general and administrative expenses	36.1	34.9	1.2	70.5	69.1	1.4
Restructuring	0.4	0.1	0.3	0.4	(0.1)	0.5
Operating income	29.2	23.9	5.3	54.0	36.7	17.3
Interest expense	0.6	0.9	(0.3)	1.2	1.9	(0.7)
Other expense, net	0.1	0.3	(0.2)	1.0	0.3	0.7
Income before income taxes	28.5	22.7	5.8	51.8	34.5	17.3
Income tax expense	(10.2)	(5.7)	(4.5)	(18.6)	(9.9)	(8.7)
Income from continuing operations	18.3	17.0	1.3	33.2	24.6	8.6
Gain (loss) from discontinued operations and disposal, net of tax	—	0.1	(0.1)	—	(0.1)	0.1
Net income	\$18.3	\$17.1	\$1.2	\$33.2	\$24.5	\$8.7
Other data:						
Operating margin	12.7	% 10.2	% 2.5	% 11.9	% 8.4	% 3.5
Diluted earnings per share – Continuing operations	\$0.29	\$0.27	\$0.02	\$0.52	\$0.39	\$0.13
Total orders	213.5	253.4	(39.9)	399.5	485.1	(85.6)
Backlog	269.1	356.0	(86.9)	269.1	356.0	(86.9)
Depreciation and amortization	3.9	3.7	0.2	7.7	7.3	0.4

**Net sales**

Net sales decreased by \$3.8 million, or 2%, for the three months ended June 30, 2015 compared to the prior-year quarter. The Environmental Solutions Group reported a \$7.4 million increase in net sales, represented by a \$13.4 million increase in street sweeper shipments, partially offset by reductions in sales of sewer cleaners and vacuum

trucks of \$2.2 million and \$1.2 million, respectively. The improvement in net sales in the Environmental Solutions Group was partially offset by lower sales within the Fire Rescue and Safety and Security Systems groups. In the Fire Rescue Group, net sales were \$8.7 million lower and included a \$5.3 million adverse foreign currency translation impact, as well as reductions in sales into the Asia Pacific and U.S.

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industrial markets, offset by improvement in European markets. In the Safety and Security Systems Group, net sales decreased by \$2.5 million, largely due to an unfavorable foreign currency translation effect of \$2.5 million.

For the six months ended June 30, 2015, net sales increased by \$17.6 million, or 4%, compared to the same period of the prior year, largely due to higher sales in the Environmental Solutions Group, where net sales increased by \$26.9 million, or 10%. The improvement in net sales in the Environmental Solutions Group, which was primarily due to increases in shipments of street sweepers and vacuum trucks of \$23.8 million and \$6.9 million, respectively, was partially offset by lower sales within the Fire Rescue and Safety and Security Systems groups. In the Fire Rescue Group, net sales for the six months ended June 30, 2015 in local currency were 6% higher than the prior-year period, largely represented by increased sales into Europe, U.S. industrial markets and the Middle East. However, primarily due to a \$9.1 million adverse foreign currency translation impact, reported net sales in this group were down \$8.1 million compared to the prior-year period. In the Safety and Security Systems Group, net sales decreased by \$1.2 million, largely due to an unfavorable foreign currency translation effect of \$4.7 million, partially offset by higher sales activity in international public safety markets and improved domestic sales of outdoor warning systems.

**Cost of sales**

Cost of sales decreased by \$10.6 million, or 6%, for the three months ended June 30, 2015 compared to the prior-year quarter, largely due to decreases of \$9.1 million within the Fire Rescue Group, principally associated with a \$4.2 million favorable foreign currency translation effect and lower unit volumes, and \$2.9 million in the Safety and Security Systems Group, largely due to a favorable foreign currency effects and a more favorable sales mix. These decreases were partially offset by a \$1.4 million increase in cost of sales within the Environmental Solutions Group, largely due to increased volumes.

For the six months ended June 30, 2015, cost of sales decreased by \$1.6 million compared to the prior-year quarter, largely due to decreases of \$8.5 million within the Fire Rescue Group, principally associated with a \$7.1 million favorable foreign currency translation effect and lower unit volumes, and \$4.5 million in the Safety and Security Systems Group, largely due to favorable foreign currency effects. These reductions in cost of sales were partially offset by an increase of \$11.4 million within the Environmental Solutions Group, primarily due to higher unit shipments.

**Gross profit**

For the three months ended June 30, 2015, gross profit increased by \$6.8 million compared to the prior-year quarter.

Gross margin for the three months ended June 30, 2015 was 28.5%, up from 25.1% in the prior-year period. The improvement in gross margin was primarily the result of increased volumes that leveraged production capacity, favorable product mix associated with higher sales to industrial customers, and productivity and facilities utilization improvements within the Environmental Solutions Group, together with steady gross margin improvement in the Safety and Security Systems Group, primarily attributable to improved operating efficiencies. The Fire Rescue Group also saw improvement in gross margin for the three months ended June 30, 2015 rising to 19.7% from 13.5% in the prior-year quarter, partly attributable to a recent effort to reduce the intake of low-margin orders.

For the six months ended June 30, 2015, gross profit increased by \$19.2 million, or 18%, compared to the prior-year quarter. Gross margin for the six months ended June 30, 2015 was 27.6%, up from 24.3% in the prior-year period. The drivers of the consolidated gross margin improvement in the first half of 2015 were similar to those which contributed to the improvement in the three months ended June 30, 2015.

**Selling, engineering, general and administrative expenses**

Selling, engineering, general and administrative (“SEG&A”) expenses for the three months ended June 30, 2015 were \$1.2 million higher than the prior-year quarter, largely due to an increase of \$0.9 million within Corporate, primarily due to increased employee costs and higher fees for professional services.

For the six months ended June 30, 2015, SEG&A expenses increased by \$1.4 million compared to the prior-year period, largely due to increases of \$0.7 million within the Environmental Solutions Group, associated with a \$1.2 million increase in employee compensation costs, partially offset by a \$0.6 million reduction in product liability expenses, and \$1.0 million within Corporate, primarily due to increased employee costs and higher fees for professional services. The Safety and Security Systems Group also reported a \$0.7 million increase in SEG&A

expenses, primarily due to higher engineering expenses for new product development. Offsetting these increases was a \$1.0 million reduction in SEG&A expenses within the Fire Rescue Group, primarily as a result of lower sales commission expense and favorable foreign currency effects.

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## Operating income

Operating income for the three months ended June 30, 2015 increased by \$5.3 million, or 22%, compared to the prior-year quarter. The increase was primarily attributable to improved operating leverage and increased volumes within the Environmental Solutions Group, which drove improved gross margin, and improved performance within the Safety and Security Systems and Fire Rescue groups. Operating income in the current-year quarter also include a \$0.3 million increase in restructuring expenses in connection with the completion of a voluntary reduction-in-force at our U.K. coal-mining business.

For the six months ended June 30, 2015, operating income increased by \$17.3 million, or 47%, to \$54.0 million, reflecting a consolidated operating margin of 11.9% compared to 8.4% in the prior-year period. The increase was primarily attributable to improved operating leverage and increased volumes within the Environmental Solutions Group, which drove improved gross margin, and improved performance within the Safety and Security Systems and Fire Rescue groups, offset by a \$0.5 million increase in restructuring charges.

## Interest expense

Compared with the same periods of the prior year, interest expense decreased by \$0.3 million and \$0.7 million for the three and six months ended June 30, 2015, largely due to significant reductions in debt levels.

## Other expense, net

Other expense, net totaled \$0.1 million for the three months ended June 30, 2015 compared to \$0.3 million in the prior-year quarter. For the six months ended June 30, 2015, other expense, net, was \$1.0 million, up from \$0.3 million in the prior-year period, with the increase largely driven by higher realized losses from foreign currency transactions.

## Income tax expense

The Company recognized income tax expense of \$10.2 million and \$5.7 million for the three months ended June 30, 2015 and 2014, respectively. The increase in tax expense in the current-year quarter is largely due to higher pre-tax income levels. The prior-year quarter also included a tax benefit of \$1.5 million associated with a reduction in unrecognized tax benefits, primarily related to the completion of an IRS audit. These factors contributed to the effective tax rate increasing from 25.1% in the prior-year quarter to 35.8% for the three months ended June 30, 2015. For the six months ended June 30, 2015 and 2014, the Company recognized income tax expense of \$18.6 million and \$9.9 million, respectively. The effective tax rate was 35.9% and 28.7% for the six months ended June 30, 2015 and 2014, respectively. The increase in tax expense and the effective tax rate in the six months ended June 30, 2015 was due to higher pre-tax income levels and the absence of the aforementioned \$1.5 million tax benefit.

## Income from continuing operations

Income from continuing operations for the three and six months ended June 30, 2015 increased by \$1.3 million and \$8.6 million, respectively, compared to the prior-year periods, largely due to increased operating income and reduced interest expense, as further explained above, partially offset by increases in income tax expense.

## Orders

Three months ended June 30, 2015 vs. three months ended June 30, 2014

Total orders decreased by \$39.9 million, or 16%, for the three months ended June 30, 2015. The reduction was largely driven by a decrease of \$37.8 million in the Environmental Solutions Group. In the prior-year quarter, there were several large fleet orders for street sweepers from customers in the U.S. and the Middle East that did not repeat in three months ended June 30, 2015. Vacuum truck orders were adversely impacted by softness in oil and gas markets, which also had an indirect effect on demand within other industrial markets. In the Fire Rescue Group, orders were up 18% in local currency. However, due to a \$8.9 million unfavorable foreign currency impact, a \$1.5 million quarter-over-quarter order reduction was reported. Orders in the Safety and Security Systems Group were also down \$0.6 million.

U.S. municipal and governmental orders declined by 10%, primarily due to a \$11.9 million decrease within the Environmental Solutions Group, which included reductions in orders of street sweepers and sewer cleaners of \$8.3 million and \$2.5 million, respectively. Orders of street sweepers and sewer cleaners were softer in the current-year quarter, compared to the prior-year period, which included a relatively high influx of municipal orders.





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U.S. industrial orders decreased by 18%, largely driven by a \$6.7 million reduction within the Environmental Solutions Group, which included a \$6.5 million decrease in vacuum truck orders, and a \$3.5 million reduction in the Fire Rescue Group. Vacuum truck orders were adversely impacted by softness in oil and gas markets, which directly reduced demand and appeared to indirectly affect demand in some other industrial markets.

Non-U.S. orders decreased by 20% and were largely impacted by a \$19.2 million decrease within the Environmental Solutions Group, associated with a \$14.5 million decrease in orders from the Middle East and a \$2.3 million decrease in orders from Mexico. The prior-year quarter included significant street sweeper orders from the Middle East.

Improvement in non-U.S. orders within the Fire Rescue Group was largely offset by the aforementioned unfavorable foreign currency translation effects.

Six months ended June 30, 2015 vs. six months ended June 30, 2014

Total orders decreased by \$85.6 million, or 18%, for the six months ended June 30, 2015. The reduction was largely driven by decreases of \$45.7 million and \$31.0 million within the Environmental Solutions and Fire Rescue groups, respectively. Street sweeper and sewer cleaner orders from our municipal markets decreased largely due to fewer fleet orders when compared with the prior-year period, while vacuum truck orders were adversely impacted by softness in oil and gas markets. Partially offsetting these decreases were improved street sweeper orders from industrial markets, benefiting from a concerted effort to expand into this market. Orders within the Fire Rescue Group were adversely impacted by an unfavorable foreign currency translation effect of \$13.5 million, as well as a number of large, multi-unit orders were received from the Asia Pacific and the U.S. in the first quarter of 2014 that did not repeat in the current-year period. There has also been a concerted effort within the Fire Rescue Group to reduce the intake of low-margin orders, which contributed to the lower European orders during the first half of the year.

U.S. municipal and governmental orders declined by 15%, primarily due to a \$22.8 million decrease within the Environmental Solutions Group, which included reductions in orders of street sweepers and sewer cleaners of \$12.0 million and \$9.9 million, respectively. Street sweeper and sewer cleaner orders from our municipal markets decreased largely due to fewer fleet orders when compared with the prior-year period. Further contributing to the decrease was a \$3.4 million reduction in orders within the Safety and Security Systems Group, largely due to lower orders of outdoor warning systems.

U.S. industrial orders decreased 25%, largely driven by a \$20.5 million reduction within the Environmental Solutions Group, which included a \$20.5 million decrease in vacuum truck orders, partially offset by a \$2.1 million increase in orders for street sweepers. Vacuum truck orders were adversely impacted by the recent softness in oil and gas markets. There was also an \$8.6 million reduction in orders in the Fire Rescue Group, largely attributable to a number of multi-unit orders received in the first quarter of 2014 that did not repeat in the current-year period.

Non-U.S. orders decreased by 15% and were largely impacted by a \$22.4 million decrease within the Fire Rescue Group, associated with unfavorable foreign currency translation effects and lower orders from the Asia Pacific and European markets. The decrease in orders from the Asia Pacific was attributable to a number of large, multi-unit orders received in the first quarter of 2014 that did not repeat. There has also been a concerted effort within the Fire Rescue Group to reduce the intake of low-margin orders, which contributed to the lower European orders during the first half of the year.

**Backlog**

Backlog was \$269.1 million at June 30, 2015 compared to \$356.0 million at June 30, 2014. The decrease of \$86.9 million, or 24%, was primarily due to a \$33.8 million decrease in the Fire Rescue Group that was reflective of unfavorable foreign currency translation effects, coupled with lower order intake during the first half of 2015. The Environmental Solutions Group's backlog decreased by \$53.6 million, primarily due to lower orders in the first half of 2015, which included a reduction in the number of advance orders received from customers due to shorter lead times for our products following our recent capacity improvements.

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## Environmental Solutions

The following table summarizes the Environmental Solutions Group's operating results as of and for the three and six months ended June 30, 2015 and 2014:

(\$ in millions)	Three Months Ended June 30,			Six Months Ended June 30,			
	2015	2014	Change	2015	2014	Change	
Net sales	\$146.6	\$139.2	\$7.4	\$286.8	\$259.9	\$26.9	
Operating income	29.2	23.1	6.1	53.1	38.3	14.8	
Operating data:							
Operating margin	19.9	% 16.6	% 3.3	% 18.5	% 14.7	% 3.8	%
Total orders	\$114.2	\$152.0	\$(37.8)	) \$220.5	\$266.2	\$(45.7)	)
Backlog	152.0	205.6	(53.6)	) 152.0	205.6	(53.6)	)
Depreciation and amortization	2.0	1.6	0.4	3.8	3.2	0.6	

Three months ended June 30, 2015 vs. three months ended June 30, 2014

Total orders decreased by \$37.8 million, or 25%, for the three months ended June 30, 2015. U.S. orders decreased by \$18.6 million, or 16%, largely due to reductions in orders for street sweepers, vacuum trucks and sewer cleaners of \$8.2 million, \$6.5 million and \$2.9 million, respectively. In the prior-year quarter, there were several large fleet orders from municipalities for street sweepers and sewer cleaners that did not repeat in three months ended June 30, 2015. Vacuum truck orders were adversely impacted by softness in oil and gas markets, which had both a direct and indirect effect on demand within other industrial markets. Non-U.S. orders decreased by \$19.2 million, or 52%, for the three months ended June 30, 2015. Orders from the Middle East and Mexico were down \$14.5 million and \$2.3 million, respectively, compared to the prior-year quarter which included significant street sweeper orders from the Middle East.

Net sales increased by \$7.4 million, or 5%, for the three months ended June 30, 2015. U.S. sales increased by \$4.8 million, or 4%, primarily driven by increased shipments of street sweepers of \$13.8 million, offset by reduced sales of sewer cleaners and vacuum trucks of \$3.9 million and \$3.7 million, respectively. The increase in street sweeper sales is a result of strong municipal demand, whereas the decrease in vacuum truck shipments primarily reflects softness in oil and gas markets. A slowdown in truck rental markets has also indirectly impacted our sewer cleaners sales.

Non-U.S. sales increased by \$2.6 million, or 11%, primarily due to a \$5.2 million improvement in sales of vacuum trucks, sewer cleaners and street sweepers into Canadian markets, partially offset by a \$1.9 million reduction in sales into Mexico.

Cost of sales increased by \$1.4 million for the three months ended June 30, 2015. Higher sales volumes contributed \$11.1 million of the increase, partially offset by a favorable product mix effect of \$9.7 million. Gross margin for the three months ended June 30, 2015 improved to 27.1% from 24.3% in the prior year largely due to favorable product mix, increased sales volumes and the positive effects of fixed cost absorption, and productivity and capacity improvements at our manufacturing facilities.

SEG&A expenses decreased by \$0.1 million for the three months ended June 30, 2015. The decrease in SEG&A expenses largely pertain to a \$0.6 million reduction in product liability expenses, partially offset by higher employee compensation costs.

Operating income increased by \$6.1 million, or 26%, for the three months ended June 30, 2015. The increase in operating income was the result of higher gross profit of \$6.0 million, primarily attributable to operating leverage and favorable product mix, as well as the \$0.1 million decrease in SEG&A expenses.

Six months ended June 30, 2015 vs. six months ended June 30, 2014

Total orders decreased by \$45.7 million, or 17%, for the six months ended June 30, 2015. U.S. orders decreased by \$43.2 million, or 20%, largely due to reductions in orders for vacuum trucks, sewer cleaners and street sweepers of \$20.5 million, \$10.5 million and \$9.9 million, respectively. Vacuum truck orders were adversely impacted by softness in oil and gas markets, while street sweeper and sewer cleaner orders from our municipal markets decreased largely due to fewer fleet orders when compared with the prior-year period. Partially offsetting these decreases were improved street sweeper orders from industrial markets, benefiting from a concerted effort to expand into this market.

Non-U.S. orders decreased by \$2.5 million, or 5%, for the six months ended June 30, 2015. Orders from the Middle East and Mexico were down \$10.9 million and \$2.3 million, respectively, partially offset by a \$10.4 million increase in Canadian orders. The prior-year period included significant street sweeper orders from the Middle East.

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Net sales increased by \$26.9 million, or 10%, for the six months ended June 30, 2015. U.S. sales increased by \$22.2 million, or 10%, primarily due to increases in shipments of street sweepers and vacuum trucks of \$25.2 million and \$3.3 million, respectively, largely due to strong order intake in 2014 as a result of improved municipal demand for street sweepers. Also contributing to the improvement was increased production throughput and productivity improvements within our manufacturing facilities that facilitated increased sales of hydro-excavator products.

Partially offsetting this improvement was a \$5.8 million reduction in sewer cleaner sales. Non-U.S. sales increased by \$4.7 million, or 10%, largely driven by improved sales within Canada, including a \$7.7 million increase in sales of sewer cleaners and vacuum trucks, partially offset by a \$2.4 million decline in street sweeper sales.

Cost of sales increased by \$11.4 million for the six months ended June 30, 2015. Higher sales volumes drove \$24.3 million of the increase, partially offset by a favorable product mix effect of \$12.9 million. Gross margin for the six months ended June 30, 2015 improved to 26.1% from 22.8% in the prior year largely due to favorable product mix, favorable pricing, and productivity and capacity improvements at our manufacturing facilities.

SEG&A expenses increased by \$0.7 million for the six months ended June 30, 2015. The increase in SEG&A expenses largely resulted from a \$1.2 million increase in employee compensation costs, partially offset by a \$0.6 million reduction in product liability expenses.

Operating income increased by \$14.8 million, or 39%, for the six months ended June 30, 2015. The increase in operating income was the result of higher gross profit of \$15.5 million, primarily attributable to operating leverage and favorable product mix, partially offset by the \$0.7 million increase in SEG&A expenses.

Backlog was \$152.0 million at June 30, 2015 compared to \$205.6 million at June 30, 2014. The decrease was largely due to a lower backlog for street sweepers, sewer cleaners and vacuum trucks, which declined by \$53.4 million in the aggregate, resulting from reduced demand from oil and gas markets and the absence of certain large fleet orders received in the prior year. The reduction in orders also includes the effects of receiving fewer advance orders from customers associated with shorter lead times for our products following our recent capacity improvements.

**Safety and Security Systems**

The following table summarizes the Safety and Security Systems Group's operating results as of and for the three and six months ended June 30, 2015 and 2014:

(\$ in millions)	Three Months Ended June 30,			Six Months Ended June 30,		
	2015	2014	Change	2015	2014	Change
Net sales	\$58.8	\$61.3	\$(2.5 )	\$115.1	\$116.3	\$(1.2 )
Operating income	7.3	7.5	(0.2 )	13.9	11.8	2.1
Operating data:						
Operating margin	12.4	% 12.2	% 0.2	% 12.1	% 10.1	% 2.0
Total orders	\$60.4	\$61.0	\$(0.6 )	\$118.1	\$127.0	\$(8.9 )
Backlog	38.9	38.4	0.5	38.9	38.4	0.5
Depreciation and amortization	1.2	1.1	0.1	2.3	2.2	0.1

**Three months ended June 30, 2015 vs. three months ended June 30, 2014**

Total orders decreased by \$0.6 million, or 1%, for the three months ended June 30, 2015. U.S. orders increased by \$1.8 million primarily due to a \$3.5 million police order received in the second quarter of 2015, offset by a \$1.2 million decrease in orders for outdoor warning systems when compared to several large orders in the prior-year quarter. Non-U.S. orders decreased by \$2.4 million, primarily due to a \$2.2 million unfavorable foreign currency translation impact and a \$2.2 million reduction in orders for integrated systems, largely due to the timing of large orders, as well as a \$1.2 million decline in orders for industrial products sold into coal markets due to ongoing softness in global markets. These reductions were partially offset by a \$2.0 million improvement in orders from European public safety markets.

Net sales decreased by \$2.5 million, or 4%, for the three months ended June 30, 2015. U.S. sales decreased by \$0.8 million largely due to a \$1.3 million decrease in sales into industrial markets due to lower demand in oil and gas, as well as coal markets. Sales into domestic police markets decreased by \$0.6 million due to the timing of sales to several large customers, while sales of outdoor warning systems increased by \$0.5 million. Non-U.S. sales decreased

by \$1.7 million, primarily due to unfavorable foreign currency effects of \$2.5 million and a \$1.2 million decrease in sales of industrial products into international coal markets. These reductions were partially offset by a \$1.9 million improvement in sales of integrated systems primarily due

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to the timing of shipments of products to fulfill large systems orders and a \$1.5 million increase in sales into international public safety markets associated with improved demand in Europe.

Cost of sales decreased by \$2.9 million, or 7%, for the three months ended June 30, 2015. The decrease largely resulted from a \$1.8 million favorable foreign currency impact and improved sales mix associated with products sold into domestic and international police markets. Gross margin for the three months ended June 30, 2015 improved to 35.5% from 33.4% in the prior year as a result of reductions in manufacturing, freight and product costs, moderate pricing gains realized in 2015 and favorable changes in both fixed cost absorption and the mix of products sold to customers.

SEG&A expenses increased by \$0.3 million for the three months ended June 30, 2015 largely due to increased employee costs and higher engineering expenses for new product development.

Operating income decreased \$0.2 million, or 3%, for the three months ended June 30, 2015, largely due to \$0.3 million of additional expense associated with restructuring activity, primarily associated with severance costs incurred in connection with the completion of a voluntary reduction-in-force at our U.K. coal-mining business and the \$0.3 million increase in SEG&A expenses, partially offset by a \$0.4 million improvement in gross profit.

Six months ended June 30, 2015 vs. six months ended June 30, 2014

Total orders decreased by \$8.9 million, or 7%, for the six months ended June 30, 2015. U.S. orders decreased by \$5.8 million, primarily due to a \$2.9 million reduction in orders for outdoor warning systems largely attributable to two large orders that were included in the prior-year period that did not repeat in 2015. In addition, orders for industrial products were \$1.9 million lower due to softness in oil and gas. Non-U.S. orders decreased by \$3.1 million, primarily due to a \$4.7 million unfavorable foreign currency effect and a \$2.4 million decline in orders for industrial products sold into the coal markets. International orders for outdoor warning systems were also \$1.8 million lower than the prior-year period, which included a large order from the Middle East which did not repeat in the six months ended June 30, 2015. These reductions were offset by a \$5.2 million improvement in orders from European public safety markets linked to higher demand, as well as the effects of several large orders received during the current-year period. Net sales decreased by \$1.2 million, or 1%, for the six months ended June 30, 2015. U.S. sales increased by \$0.9 million, largely due to increased sales of outdoor warning systems. Non-U.S. sales decreased by \$2.1 million, principally due to an unfavorable foreign currency impact of \$4.7 million and a \$2.1 million decrease in sales of industrial products into international coal markets. Partially offsetting these reduction was a \$5.4 million improvement in sales into European public safety markets.

Cost of sales decreased by \$4.5 million, or 6%, for the six months ended June 30, 2015. The decrease largely resulted from a \$3.4 million favorable foreign currency impact. Gross margin for the six months ended June 30, 2015 improved to 35.5% from 32.3% in the prior-year period as a result of reductions in manufacturing, freight and product costs, moderate pricing gains realized in 2015 and favorable changes in fixed cost absorption and in the mix of products sold to customers.

SEG&A expenses increased by \$0.7 million for the six months ended June 30, 2015 largely due to higher engineering expenses for new product development and increased employee costs.

Operating income increased by \$2.1 million, or 18%, for the six months ended June 30, 2015 largely due to a \$3.3 million improvement in gross profit, partially offset by the \$0.7 million increase in SEG&A expenses and \$0.5 million of additional expense associated with restructuring activity, primarily associated with severance costs incurred in connection with a voluntary reduction-in-force that was completed at our U.K. coal-mining business.

Despite the lower orders in the six months ended June 30, 2015, backlog increased to \$38.9 million at June 30, 2015 compared to \$38.4 million at June 30, 2014. The increase was primarily driven by a number of large orders received in the six months ended June 30, 2015 that are scheduled to ship in the second half of 2015.

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## Fire Rescue

The following table summarizes the Fire Rescue Group's operating results as of and for the three and six months ended June 30, 2015 and 2014:

(\$ in millions)	Three Months Ended June 30,			Six Months Ended June 30,		
	2015	2014	Change	2015	2014	Change
Net sales	\$25.4	\$34.1	\$(8.7 )	\$50.5	\$58.6	\$(8.1 )
Operating income (loss)	0.0	(0.3 )	0.3	0.3	(1.1 )	1.4
Operating data:						
Operating margin	0.0	% (0.9 )%	0.9	% 0.6	% (1.9 )%	2.5
Total orders	\$38.9	\$40.4	\$(1.5 )	\$60.9	\$91.9	\$(31.0 )
Backlog	78.2	112.0	(33.8 )	78.2	112.0	(33.8 )
Depreciation and amortization	0.7	0.9	(0.2 )	1.5	1.7	(0.2 )

Three months ended June 30, 2015 vs. three months ended June 30, 2014

Total orders decreased by \$1.5 million, or 4%, for the three months ended June 30, 2015, largely due to a \$8.9 million unfavorable foreign currency translation impact. In local currency, total orders increased by 18%, largely due to improved orders in Europe, Asia Pacific and the Middle East, partially offset by a \$3.5 million decrease in U.S. industrial orders.

Net sales decreased by \$8.7 million, or 26%, for the three months ended June 30, 2015, primarily driven by unfavorable foreign currency translation effects of \$5.3 million. Also contributing to the decrease were reduced sales into the Asia Pacific and U.S. industrial markets of \$2.4 million and \$2.2 million, respectively, partially offset by a \$2.6 million improvement in sales into European markets.

Cost of sales decreased by \$9.1 million for the three months ended June 30, 2015, predominantly attributable to favorable foreign currency effects of \$4.2 million, as well as \$4.8 million relating to lower unit volumes. Gross margin for the three months ended June 30, 2015 improved to 19.7%, compared to 13.5% in the prior year, largely due to the effects of product mix resulting from a concerted effort to reduce the intake of low-margin orders, as well as production efficiencies resulting from recent manufacturing facility improvements.

SEG&A expenses increased by \$0.1 million for the three months ended June 30, 2015, primarily as a result of higher marketing expenses incurred in connection with a large trade show, partially offset by favorable foreign currency effects.

The Fire Rescue Group reported nominal operating income in the three months ended June 30, 2015, compared to an operating loss of \$0.3 million in the prior-year quarter. The improvement was primarily due to a \$0.4 million increase in gross profit, offset by the \$0.1 million increase in SEG&A expenses.

Six months ended June 30, 2015 vs. six months ended June 30, 2014

Total orders decreased by \$31.0 million, or 34%, for the six months ended June 30, 2015, largely due to a \$13.5 million unfavorable foreign currency translation impact. In local currency, total orders decreased by 19%, primarily driven by reductions in orders from the Asia Pacific and Europe. Orders from U.S. industrial markets were also \$8.6 million lower than the prior-year period. Orders in the Fire Rescue Group can fluctuate significantly from quarter to quarter. A number of large, multi-unit orders were received from the Asia Pacific and the U.S. in the first quarter of 2014 that did not repeat in the current-year period. There has also been a concerted effort to reduce the intake of low-margin orders, which contributed to the lower European orders during the first half of the year, despite the recent improvement in the current quarter.

Net sales decreased by \$8.1 million for the six months ended June 30, 2015, primarily driven by unfavorable foreign currency translation effects of \$9.1 million. Measured in local currency, sales were 6% higher than the prior-year period. Increases in sales into Europe, U.S industrial markets and the Middle East of \$2.4 million, \$2.3 million and \$1.8 million, respectively, were offset by a \$4.7 million decrease in sales into the Asia Pacific.

Cost of sales decreased by \$8.5 million for the six months ended June 30, 2015. The decrease was primarily due to favorable foreign currency translation effects of \$7.1 million. Gross margin for the six months ended June 30, 2015 improved to 18.2%, compared to 15.0% in the prior year, largely due to the effects of product mix associated with



reducing a concerted effort to reduce the intake of low-margin orders, as well as production efficiencies resulting from recent manufacturing facility improvements.

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SEG&A expenses decreased by \$1.0 million for the six months ended June 30, 2015, primarily as a result of lower sales commission expense and favorable foreign currency effects.

The Fire Rescue Group reported operating income of \$0.3 million in the six months ended June 30, 2015, compared to an operating loss of \$1.1 million in the prior-year quarter. The improvement was primarily due to a \$0.4 million increase in gross profit, and the \$1.0 million decrease in SEG&A expenses.

Backlog was \$78.2 million at June 30, 2015, compared to \$112.0 million at June 30, 2014. The decrease of \$33.8 million, or 30%, was primarily due to a \$17.2 million unfavorable foreign currency translation impact and lower order intake in the first half of 2015. Measured in local currency, backlog was down 15% compared to the prior-year quarter.

Corporate Expenses

Corporate operating expenses for the three and six months ended June 30, 2015 were \$7.3 million and \$13.3 million, respectively, up from \$6.4 million and \$12.3 million in the same periods of the prior year. The increases were primarily associated with increased employee costs and higher fees for professional services.

Seasonality of Company's Business

Certain of the Company's businesses are susceptible to the influences of seasonal factors, including buying patterns, delivery patterns and productivity influences from holiday periods and weather. The Company tends to have lower sales in the first calendar quarter of each year compared to other quarters as a result of these factors.

Financial Condition, Liquidity and Capital Resources

The Company used its cash flow from operations to fund growth and to make capital investments that sustain its operations, reduce costs, or both. Beyond these uses, remaining cash flow is used to fund dividend payments, make pension contributions, repurchase shares and pay down debt, or it may increase cash balances. The Company may also choose to invest in the acquisition of businesses. We believe that the Company's existing cash balances, cash flow from operations and borrowings available under our Senior Secured Credit Facility and other sources will provide funds sufficient for the Company's operating needs, capital needs and financial commitments.

The Company's cash and cash equivalents totaled \$35.9 million and \$30.4 million as of June 30, 2015 and December 31, 2014, respectively. As of June 30, 2015, \$14.8 million of cash and cash equivalents was held by foreign subsidiaries. Cash and cash equivalents held by subsidiaries outside the U.S. typically are held in the currency of the country in which it is located. This cash is used to fund the operating activities of our foreign subsidiaries and for further investment in foreign operations. Generally, we consider such cash to be permanently reinvested in our foreign operations and our current plans do not demonstrate a need to repatriate such cash to fund U.S. operations. However, in the event that these funds were needed to fund U.S. operations or to satisfy U.S. obligations, they generally could be repatriated. The repatriation of these funds may then cause us to incur additional U.S. income tax expense, which would be dependent on income tax laws and other circumstances at the time any such amounts were repatriated.

Net cash of \$27.5 million and \$23.7 million was provided by continuing operating activities in the six months ended June 30, 2015 and 2014, respectively. The increase in cash generated by continuing operating activities in the six months ended June 30, 2015 compared to the same period of the prior year was largely the result of higher earnings. Net cash of \$5.5 million and \$2.3 million was used for continuing investing activities in the six months ended June 30, 2015 and 2014, respectively. Capital expenditures in the six months ended June 30, 2015 and 2014 were \$5.6 million and \$9.4 million, respectively. In the prior-year period, the Company received \$7.0 million from the escrow associated with the FSTech Group divestiture.

Net cash of \$16.4 million was used in continuing financing activities in the six months ended June 30, 2015, compared with \$20.9 million in the prior year. In the six months ended June 30, 2015, the Company funded cash dividends of \$7.5 million, repurchased \$5.0 million of treasury stock, and redeemed \$2.9 million of stock in order to remit funds to tax authorities to satisfy employees' minimum tax withholdings following the vesting of performance share units. The Company also paid a \$1.4 million scheduled repayment on its Term Loan. In the prior-year period, the Company paid down a net \$20.0 million on its revolving credit facility and \$1.4 million on its Term Loan. In addition, the Company funded cash dividends of \$1.9 million and repurchased \$3.3 million of treasury stock. These financing cash outflows were partially offset by borrowings of \$5.0 million on the Company's non-U.S. line of credit

and \$1.1 million of proceeds from stock option exercises.

The Company uses the ratio of total debt to adjusted EBITDA as one measure of its long-term financial stability. The ratio of debt to adjusted EBITDA is a non-GAAP measure that represents total debt divided by the trailing 12-month total of income

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from continuing operations before interest expense, debt settlement charges, other expense, income tax benefit or expense, and depreciation and amortization expense. The Company uses the ratio to calibrate the magnitude of its debt and its debt capacity against adjusted EBITDA, which is used as an operating performance measure. We believe that investors use a version of this ratio in a similar manner. In addition, financial institutions (including the Company's lenders) use the ratio in connection with debt agreements to set pricing and covenant limitations. For these reasons, the Company believes that the ratio is a meaningful metric to investors in evaluating the Company's long-term financial performance and stability. Other companies may use different methods to calculate total debt to EBITDA. The following table summarizes the Company's ratio of total debt to adjusted EBITDA and reconciles income from continuing operations to adjusted EBITDA as of and for the trailing 12-month periods ended June 30, 2015 and 2014:

(in millions)	Trailing Twelve Months Ending June 30,	
	2015	2014
Total debt	\$48.6	\$75.5
Income from continuing operations	71.6	68.1
Add:		
Interest expense	3.1	4.5
Other expense, net	2.2	0.5
Income tax expense	33.0	3.9
Depreciation and amortization	15.4	14.6
Adjusted EBITDA	\$125.3	\$91.6
Total debt to adjusted EBITDA ratio	0.4	0.8

In 2013, the Company executed the Senior Secured Credit Facility comprised of a five-year fully funded term loan of \$75.0 million and a five-year \$150.0 million revolving credit facility. As of June 30, 2015, there was no cash drawn and \$24.0 million of undrawn letters of credit under the \$150.0 million revolving credit facility portion of the Senior Secured Credit Facility, with \$126.0 million of net availability for borrowings.

As of June 30, 2015, there were no borrowings against the Company's non-U.S. lines of credit which provide for borrowings up to \$10.2 million.

The Senior Secured Credit Facility requires the Company to comply with financial covenants related to the maintenance of a minimum fixed charge coverage ratio and maximum leverage ratio. The financial covenants are measured at each fiscal quarter-end. Restricted payments, including dividends, are permitted only if the pro forma leverage ratio after giving effect to such payment is less than 3.25x, pro forma compliance after giving effect to such payment is maintained for all other financial covenants and there are no existing defaults under the Senior Secured Credit Facility. The Company was in compliance with all of its debt covenants as of June 30, 2015.

The Company anticipates that capital expenditures for 2015 will be in the range of \$15 million to \$20 million.

#### Item 3. Quantitative and Qualitative Disclosures about Market Risk.

See Item 7A, Quantitative and Qualitative Disclosures about Market Risk, of our Annual Report on Form 10-K for the year ended December 31, 2014. During the six months ended June 30, 2015, there have been no significant changes in our exposure to market risk.

#### Item 4. Controls and Procedures.

As required by Rule 13a-15 under the Exchange Act, the Company's management, with the participation of the Company's Chief Executive Officer and Chief Financial Officer, evaluated the effectiveness of the design and operation of the Company's disclosure controls and procedures (as defined in Rule 13a-15(e) or Rule 15d-15(e) under the Exchange Act) as of June 30, 2015. Based on that evaluation, the Company's Chief Executive Officer and Chief Financial Officer concluded that the Company's disclosure controls and procedures were effective as of June 30, 2015. As a matter of practice, the Company's management continues to review and document internal control and procedures

for financial reporting. From time to time, the Company may make changes aimed at enhancing the effectiveness of the controls and ensuring that the systems evolve with the business. During the three months ended June 30, 2015, there were no changes in the Company's internal control over financial reporting that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

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## PART II. OTHER INFORMATION

## Item 1. Legal Proceedings.

The information set forth under the heading “Legal Proceedings” in Note 6 – Commitments and Contingencies to the accompanying condensed consolidated financial statements as included in Part I of this Form 10-Q is incorporated herein by reference.

## Item 1A. Risk Factors.

There have been no material changes in the Company’s risk factors as described in Item 1A, Risk Factors, of the Company’s Annual Report on Form 10-K for the year ended December 31, 2014.

## Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.

## Restrictions upon the Payment of Dividends

Under the Senior Secured Credit Facility, dividends are permitted only if the following conditions are met:

• No default or event of default shall exist or shall result from such dividend payment;

• The leverage ratio (consolidated total indebtedness to consolidated EBITDA, as defined therein) of the Company and its subsidiaries shall be, for the trailing 12-month period ending on the date of distribution, less than 3.25; and

• The Company is in compliance with the quarterly consolidated total leverage ratio and consolidated fixed charge coverage ratio, as defined therein.

The Company may declare dividends at current levels under the restricted payment guidelines set forth above.

## Purchases of Equity Securities

Period	Total Number of Shares Purchased	Average Price Paid Per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Dollar Value of Shares That May Yet Be Purchased Under the Plans or Programs <sup>(a)</sup> <sub>(b)</sub>
April 2015 (3/29/15 – 5/2/15)	—	\$—	—	\$76,179,474
May 2015 (5/3/15 – 5/30/15)	59,018	14.9938	59,018	75,294,570
June 2015 (5/31/15 – 6/27/15)	37,707	14.8633	37,707	74,734,121

(a) On April 22, 2014, the Board authorized a stock repurchase program of up to \$15 million of the Company’s common stock. As cumulative stock repurchases under the April 2014 program, including those made in the three months ended June 30, 2015, totaled \$15.0 million as of June 30, 2015, the April 2014 program is considered to be completed as of June 30, 2015 and no additional stock repurchases will be made under that program.

(b) On November 4, 2014, the Board authorized an additional stock repurchase program of up to \$75 million of the Company’s common stock.

## Item 3. Defaults upon Senior Securities.

None.

## Item 4. Mine Safety Disclosures.

Not applicable.

## Item 5. Other Information.

On July 28, 2015, the Company issued a press release announcing its financial results for the three and six months ended June 30, 2015. The full text of the second quarter financial results press release is attached hereto as Exhibit 99.1 to this Form 10-Q.

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Item 6. Exhibits.

- 3.1 Restated Certificate of Incorporation of the Company. Incorporated by reference to Exhibit 3.1 to the Company's Form 8-K filed April 30, 2010.
  - 3.2 Amended and Restated By-laws of the Company. Incorporated by reference to Exhibit 3.2 to the Company's Form 10-Q for the quarter ended September 30, 2014.
  - 10.1 \* Form of Nonqualified Stock Option Award Agreement – U.S.
  - 10.2 \* Form of Restricted Stock Award Agreement – U.S.
  - 31.1 CEO Certification under Section 302 of the Sarbanes-Oxley Act.
  - 31.2 CFO Certification under Section 302 of the Sarbanes-Oxley Act.
  - 32.1 CEO Certification of Periodic Report under Section 906 of the Sarbanes-Oxley Act.
  - 32.2 CFO Certification of Periodic Report under Section 906 of the Sarbanes-Oxley Act.
  - 99.1 Second Quarter Financial Results Press Release Dated July 28, 2015.
  - 101.INS XBRL Instance Document.
  - 101.SCH XBRL Taxonomy Extension Schema Document.
  - 101.CAL XBRL Taxonomy Calculation Linkbase Document.
  - 101.DEF XBRL Taxonomy Extension Definition Linkbase Document.
  - 101.LAB XBRL Taxonomy Label Linkbase Document.
  - 101.PRE XBRL Taxonomy Presentation Linkbase Document.
- \* Management contract or compensatory plan or arrangement required to be filed as an exhibit pursuant to Item 15(a)(3) of Form 10-K.

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SIGNATURE

Pursuant to the requirements of Section 13 or 15 (d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Federal Signal Corporation

Date: July 28, 2015

/s/ Brian S. Cooper  
Brian S. Cooper  
Senior Vice President and Chief Financial Officer  
(Principal Financial Officer)