Forward-Looking Statements

- In this presentation, statements that are not reported financial results or other historical information are “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements give current expectations or forecasts of future events and are not guarantees of future performance. They are based on management’s expectations that involve a number of business risks and uncertainties, any of which could cause actual results to differ materially from those expressed in or implied by the forward-looking statements. They use words such as “will,” “anticipate,” “estimate,” “expect,” “project,” “intend,” “plan,” “believe,” and other words and terms of similar meaning in connection with any discussion of future operating or financial performance and/or sales.

- Factors that could cause actual results to differ materially from those implied by these forward-looking statements include, but are not limited to:
  - Our ability to realize anticipated savings and operational benefits from the realignment of assets, including the closure of manufacturing facilities;
  - The timing of closings and shifts of production to new facilities related to asset realignments and any unforeseen loss of customers and/or disruptions of service or quality caused by such closings and/or production shifts;
  - Separation and severance amounts that differ from original estimates;
  - Amounts for non-cash charges related to asset write-offs and accelerated depreciation realignments of property, plant and equipment, that differ from original estimates;
  - Our ability to identify and evaluate acquisition targets and consummate acquisitions;
  - The ability to successfully integrate acquired companies into our operations, retain the management teams of acquired companies, retain relationships with customers of acquired companies, and achieve the expected results of such acquisitions, including whether such businesses will be accretive to our earnings;
  - Disruptions, uncertainty or volatility in the credit markets that could adversely impact the availability of credit already arranged and the availability and cost of credit in the future;
  - The financial condition of our customers, including the ability of customers (especially those that may be highly leveraged and those with inadequate liquidity) to maintain their credit availability;
  - The speed and extent of an economic recovery, including the recovery of the housing market;
  - Our ability to achieve new business gains;
  - The effect on foreign operations of currency fluctuations, tariffs and other political, economic and regulatory risks;
  - Changes in polymer consumption growth rates and laws and regulations regarding the disposal of plastic in jurisdictions where we conduct business;
  - Changes in global industry capacity or in the rate at which anticipated changes in industry capacity come online;
  - Fluctuations in raw material prices, quality and supply and in energy prices and supply; production outages or material costs associated with scheduled or unscheduled maintenance programs;
  - Unanticipated developments that could occur with respect to contingencies such as litigation and environmental matters;
  - An inability to achieve or delays in achieving or achievement of less than the anticipated financial benefit from initiatives related to working capital reductions, cost reductions and employee productivity goals;
  - An inability to raise or sustain prices for products or services;
  - An inability to maintain appropriate relations with unions and employees;
  - Our ability to continue to pay cash dividends;
  - The amount and timing of repurchases of our common shares, if any; and
  - Other factors affecting our business beyond our control, including, without limitation, changes in the general economy, changes in interest rates and changes in the rate of inflation.

- The above list of factors is not exhaustive.

- We undertake no obligation to publicly update forward-looking statements, whether as a result of new information, future events or otherwise. You are advised to consult any further disclosures we make on related subjects in our reports on Form 10-Q, 8-K and 10-K that we provide to the Securities and Exchange Commission.
Use of Non-GAAP Measures

- This presentation includes the use of both GAAP (generally accepted accounting principles) and non-GAAP financial measures. The non-GAAP financial measures include: adjusted EPS, Specialty platform operating income percentage, adjusted operating income, and return on invested capital.

- PolyOne’s chief operating decision maker uses these financial measures to monitor and evaluate the ongoing performance of the Company and each business segment and to allocate resources. In addition, operating income before special items and adjusted EPS are components of various PolyOne annual and long-term employee incentive plans.

- A reconciliation of each non-GAAP financial measure with the most directly comparable GAAP financial measure is attached to this presentation which is posted on our website at www.polyone.com.
What We Do

Inputs
- Base resins
- Additives
- Modifiers
- Pigments

Formulation Expertise
- Expertise in Polymer Materials, Services and Solutions

Service
- InVisiO℠ Color Services
- IQ Design Labs
- LSS Customer First

Value
- OEMs
- Brand Owners
- Processers
- Assemblers

Driving customer value with specialty products & services
At a Glance

2016 Revenue ($3.3 Billion) by Segment

- PolyOne Distribution 31%
- Specialty Engineered Materials 16%
- Color Additives and Inks 23%
- Performance Products & Solutions 19%
- Designed Structures & Solutions 11%

2016 Revenue by Geography

- United States 65%
- United States 65%
- Europe 12%
- Canada 8%
- Asia 8%
- Latin America 7%

2016 Revenue by End Market

- Appliance 5%
- Building & Construction 11%
- Consumer 11%
- Electrical & Electronics 5%
- Healthcare 11%
- Textiles 2%
- Transportation 19%
- Wire & Cable 9%
- Packaging 12%
- Industrial 15%

Adjusted Earnings Per Share

- Designed Structures & Solutions 11%
- Specialty Engineered Materials 16%
- Color Additives and Inks 23%
- Products & Solutions 19%
- PolyOne Distribution 31%

7 Consecutive Years of EPS Growth

- 2009: $0.13
- 2010: $0.68
- 2011: $0.82
- 2012: $1.00
- 2013: $1.31
- 2014: $1.80
- 2015: $1.96
- 2016: $2.13
Returning Cash to Shareholders

- Since 2011, we have returned nearly $850 million to shareholders
  - $150 million returned through dividends
  - $697 million returned through share repurchases

Annual Dividend*

Cumulative Share Repurchases (in millions)

*CAGR = 22%

*Initiated in 2011
Mix Shift Highlights Specialty Transformation

% of Operating Income*

0% 20% 40% 60% 80% 100%

$5M $87M $273M

2% 43% 79%

Specialty OI JV's Performance Products & Solutions Distribution Specialty

Specialty = ROS > 10%

*Operating Income excludes corporate charges and special items
# Proof of Performance & 2020 Platinum Vision

<table>
<thead>
<tr>
<th>Operating Income % of Sales</th>
<th>2006 “Where we were”</th>
<th>2016 “Where we are”</th>
<th>2020 Platinum Vision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color, Additives &amp; Inks</td>
<td>1.7%</td>
<td>16.0%</td>
<td>20%+</td>
</tr>
<tr>
<td>Specialty Engineered Materials</td>
<td>1.1%</td>
<td>14.3%</td>
<td>20%+</td>
</tr>
<tr>
<td>Performance Products &amp; Solutions</td>
<td>5.5%</td>
<td>11.1%</td>
<td>12 – 14%</td>
</tr>
<tr>
<td>Distribution</td>
<td>2.6%</td>
<td>6.4%</td>
<td>6.5 – 7.5%</td>
</tr>
<tr>
<td>Designed Structures &amp; Solutions</td>
<td>N/A</td>
<td>-0.9%</td>
<td>8 – 10%</td>
</tr>
<tr>
<td><strong>ROIC</strong></td>
<td><strong>5.0%</strong></td>
<td><strong>12.9%</strong></td>
<td><strong>15%</strong></td>
</tr>
</tbody>
</table>

*ROIC is defined as TTM adjusted OI after tax divided by the sum of average debt and equity less cash over a 5 quarter period

**Consistently Deliver Double Digit Annual EPS Growth**
Ours is Not a Cost Cutting Story

**Commercial, R&D and Marketing Spending ($M)**
- 2006: $103
- 2016: $200
  - +95%

**Volume (lbs in millions)**
- 2006: 2,883
- 2016: 2,538
  - -12%

**Adjusted Operating Profit ($M)**
- 2006: $88
- 2016: $317
  - +263%
Innovation Drives Earnings Growth

**Research & Development Spending**

<table>
<thead>
<tr>
<th>Year</th>
<th>2006</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>($)</td>
<td>$20</td>
<td>$54</td>
</tr>
</tbody>
</table>

**Specialty Platform Vitality Index Progression**

<table>
<thead>
<tr>
<th>Year</th>
<th>2006</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>@%</td>
<td>12</td>
<td>42</td>
</tr>
</tbody>
</table>

**CAI & SEM Gross Margin**

<table>
<thead>
<tr>
<th>Year</th>
<th>2006</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>@%</td>
<td>14</td>
<td>33</td>
</tr>
</tbody>
</table>

*S*Specialty Platform revenue from products introduced in last five years

**Innovation Pipeline Potential**

<table>
<thead>
<tr>
<th>Phase</th>
<th>Breakthrough Platform</th>
<th>Breakthrough Derivative</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8</td>
<td>4</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>9</td>
<td>23</td>
</tr>
<tr>
<td>4</td>
<td>7</td>
<td>3</td>
<td>19</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>12</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stage</th>
<th>Frame Opportunity</th>
<th>Build Business Case</th>
<th>Prototype</th>
<th>Scale-up &amp; Test Market</th>
<th>Commercial Launch</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>@</td>
<td>@</td>
<td>$1,150</td>
<td>$1,000</td>
<td>$250</td>
<td>$2,400</td>
</tr>
</tbody>
</table>
Primary Industries Served

Transportation 19%
Packaging 12%
Healthcare 11%
Consumer 11%

Industrial 15%
Building & Construction 11%
Wire & Cable 9%
Electrical & Electronic 5%
Appliance 5%

Focus End Markets

2016 Revenue: $3.3 Billion
Target End Markets... Healthcare
Target End Markets... Automotive
Target End Markets... Packaging
Target End Markets... Consumer
Free Cash Flow and Strong Balance Sheet
Fund Investment / Shareholder Return

- Expanding our sales, marketing, and technical capabilities
- Investing in operational and LSS initiatives
- ~60 - 70% of capital expenditures fund growth initiatives

- Targets that expand our:
  - Specialty offerings
  - End market presence
  - Geographic breadth
- Growth synergies
- Adjacent material solutions

- Repurchased 1.2 million shares in Q4 2016
- Repurchased 18.8 million shares since early 2013
- 8.5 million shares are available for repurchase under the current authorization

- Increased annual dividend by 12.5% to $0.54 per share, representing the sixth consecutive year of dividend growth
Why Invest In PolyOne?

- Addressable market exceeds $40 billion
- Strong performance demonstrates that our strategy and execution are working
- Megatrends and emerging opportunities align with strengths
- Innovation and services provide differentiation, incremental pricing power and competitive advantage
- Strategic balance between reinvestment for growth and returning cash to shareholders
- Strong and proven management team driving growth and performance

The New PolyOne: A Specialty Growth Company
Segment Highlights
At a Glance: Color, Additives & Inks

2016 Revenue: $0.8 Billion

- Europe 33%
- United States 45%
- Asia 15%
- Latin America 5%
- Canada 2%

2016 Revenue by Industry

- Packaging 30%
- Industrial 15%
- B & C 10%
- Textiles 9%
- Transportation 9%
- Consumer 7%
- Healthcare 6%
- Appliance 2%
- E & E 2%

Key Applications

Expanding Profits

Operating Income % of Sales

- 2006: 1.7%
- 2007: 4.6%
- 2008: 5.1%
- 2009: 5.5%
- 2010: 7.2%
- 2011: 8.1%
- 2012: 9.7%
- 2013: 12.2%
- 2014: 14.7%
- 2015: 16.7%
- 2016: 16.0%
- 2020: 20%+
At a Glance: Specialty Engineered Materials

2016 Revenue: $0.6 Billion

- Europe 27%
- Asia 20%
- United States 51%
- Canada 2%

2016 Revenue by Industry

- Consumer 19%
- Transportation 19%
- E & E 15%
- W & C 15%
- Healthcare 11%
- Industrial 8%
- Packaging 7%
- Appliance 3%
- B & C 3%

Key Applications

- United States 51%
- Europe 27%
- Asia 20%
- Canada 2%

Expanding Profits

Operating Income % of Sales

- 2006: 1.1%
- 2007: 1.3%
- 2008: 3.4%
- 2009: 5.1%
- 2010: 9.6%
- 2011: 8.0%
- 2012: 8.6%
- 2013: 9.3%
- 2014: 12.1%
- 2015: 14.7%
- 2016: 14.3%
- 2020: 20%+

Platinum Vision
At a Glance: Designed Structures & Solutions

2016 Revenue: $0.4 Billion

- United States: 95%
- Canada: 5%

2016 Revenue by Industry

- Transportation: 27%
- Packaging: 21%
- Industrial: 21%
- B & C: 11%
- Healthcare: 8%
- Consumer: 8%
- Appliance: 3%
- E & E: 1%

Key Applications

- United States: 95%
- Canada: 5%

Expanding Profits

Operating Income % of Sales

- 2012: 1.4%
- 2013: 5.6%
- 2014: 7.3%
- 2015: 3.0%
- 2016: -0.9%
- 2020: 8-10%

Platinum Vision
At a Glance: Performance Products & Solutions

2016 Revenue: $0.7 Billion

- United States: 78%
- Canada: 16%
- Latin America: 4%
- Asia: 2%

2016 Revenue by Industry

- B & C: 30%
- Transportation: 18%
- Industrial: 16%
- Appliance: 6%
- Consumer: 5%
- Packaging: 5%
- E & E: 3%
- Healthcare: 1%

Key Applications

- Transportation: 18%
- Industrial: 16%
- Appliance: 6%
- Consumer: 5%
- Packaging: 5%
- E & E: 3%
- Healthcare: 1%

Expanding Profits

Operating Income % of Sales

- 2006: 5.5%
- 2007: 6.9%
- 2008: 3.8%
- 2009: 3.6%
- 2010: 5.5%
- 2011: 4.3%
- 2012: 6.3%
- 2013: 7.2%
- 2014: 7.7%
- 2015: 8.3%
- 2016: 11.1%
- 2020: 12-14%

Platinum Vision
At a Glance: Distribution

2016 Revenue: $1.1 Billion

ROIC

Key Suppliers

Expanding Profits
Application Examples
Luxury Packaging

with Gravitech Density Modified Polymers

- Impart weight, sound and metallic finish to caps and closures for cosmetics and spirits applications
- Elevate quality and prestige perceptions among high-end consumers
- Eliminate time and cost associated with secondary operations and assembly
Optimize Color Usage
with OnColor Super Concentrates

- Eliminate costs by increasing pigment density
- Enhance color performance without altering form and formulation
- Increase design capabilities by reducing weight and layer thickness
Combat Bacteria Formation
with WithStand Antimicrobial Technology

- Inhibit microbial growth on polymer surface

- Enhance value or products and devices

- Highly versatile concentrate with the ability to be incorporated into a wide variety of products
Medical Device Housings
with Chemically Resistant Engineered Polymers

- Durable, long-lasting products stand up to the most aggressive disinfectants

- Minimize environmental stress cracking and discoloration

- One of the broadest medically approved polymer and colorant portfolios
Color & Design Services

- Greater control of color development and supply chain
- Work across entire design process from concept to commercialization
- Inspire creativity in the use of polymer materials, colors and effects
- Innovative brand differentiation
- Faster development timelines
Outdoor Applications

- Leading provider of high performance specialty materials for the recreational and sports & leisure industry
- Well positioned across all segments to address market needs
  - Metal to Polymer Conversion
  - Lightweighting
  - Thermal Management
  - Impact Performance

Source: Outdoor Industry Association
Fiber Colorants

Solutions for clothing, apparel, footwear, automotive & sporting goods

- ColorMatrix Fiber Colorant Solutions
  - Proprietary advanced liquid color formulations and equipment enable greater efficiency and productivity
  - Eliminates aqueous dyeing and its associated wastewater treatment

- Solid Color Concentrates
  - Extrusion-spun fibers colored via solid masterbatch
High-Barrier Packaging Containers

- Capability to extrude up to 13 layers
- Strong oxygen and moisture vapor transmission protection
- Can be made symmetrical or asymmetrical to meet customized needs of broad variety of applications
- Barrier protection and superior sensory properties
Reconciliation of Non-GAAP Financial Measures (Unaudited)
(Dollars in millions, except per share data)

Senior management uses comparisons of adjusted net income attributable to PolyOne common shareholders, adjusted earnings per share (EPS) attributable to PolyOne common shareholders and operating income before special items to assess performance and allocate resources because senior management believes that these measures are useful in understanding current profitability levels and that current levels may serve as a base for future performance. Senior management believes these measures are useful to investors because they allow for comparison to PolyOne's performance in prior periods without the effect of items that, by their nature, tend to obscure PolyOne's operating results due to the potential variability across periods based on timing, frequency and magnitude. Non-GAAP financial measures have limitations as analytical tools and should not be considered in isolation from, or solely as alternatives to, financial measures prepared in accordance with GAAP. Below is a reconciliation of these non-GAAP financial measures to their most directly comparable financial measures calculated and presented in accordance with GAAP for each fiscal year end.

Adjusted EPS attributable to PolyOne common shareholders is calculated as follows:

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Net income attributable to PolyOne common shareholders</td>
<td>$106.7</td>
<td>$152.5</td>
<td>$153.4</td>
<td>$53.3</td>
<td>$94.0</td>
<td>$78.0</td>
<td>$144.6</td>
<td>$165.2</td>
</tr>
<tr>
<td>Joint venture equity earnings, after tax</td>
<td>(19.0)</td>
<td>(14.7)</td>
<td>(3.7)</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Special items, before tax(1)</td>
<td>(48.7)</td>
<td>24.2</td>
<td>(48.1)</td>
<td>55.1</td>
<td>46.3</td>
<td>164.2</td>
<td>87.6</td>
<td>35.5</td>
</tr>
<tr>
<td>Special items, tax adjustments(1)</td>
<td>(27.2)</td>
<td>(96.7)</td>
<td>(24.7)</td>
<td>(18.9)</td>
<td>(13.7)</td>
<td>(73.7)</td>
<td>(58.7)</td>
<td>(20.7)</td>
</tr>
<tr>
<td>Adjusted net income attributable to PolyOne common shareholders</td>
<td>$11.8</td>
<td>$65.3</td>
<td>$76.9</td>
<td>$89.5</td>
<td>$126.6</td>
<td>$168.5</td>
<td>$173.5</td>
<td>$180.0</td>
</tr>
<tr>
<td>Diluted shares</td>
<td>93.4</td>
<td>96.0</td>
<td>94.3</td>
<td>89.8</td>
<td>96.5</td>
<td>93.5</td>
<td>88.7</td>
<td>84.6</td>
</tr>
<tr>
<td>Adjusted EPS attributable to PolyOne common shareholders</td>
<td>$0.13</td>
<td>$0.68</td>
<td>$0.82</td>
<td>$1.00</td>
<td>$1.31</td>
<td>$1.80</td>
<td>$1.96</td>
<td>$2.13</td>
</tr>
</tbody>
</table>

Adjusted operating income is calculated as follows:

<table>
<thead>
<tr>
<th></th>
<th>2006*</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating income</td>
<td>$233.6</td>
<td>$281.9</td>
</tr>
<tr>
<td>Special items</td>
<td>(39.1)</td>
<td>35.3</td>
</tr>
<tr>
<td>Joint venture equity earnings</td>
<td>(107.0)</td>
<td>0.0</td>
</tr>
<tr>
<td>Adjusted operating income</td>
<td>$87.5</td>
<td>$317.2</td>
</tr>
</tbody>
</table>

* Historical results are shown as presented in prior filings and have not been updated to reflect subsequent changes in accounting principle, discontinued operations or the related resegmentation.

(1) Special items include charges related to specific strategic initiatives or financial restructuring such as: consolidation of operations; debt extinguishment costs; costs incurred directly in relation to acquisitions or divestitures; employee separation costs resulting from personnel reduction programs, plant realignment costs, executive separation agreements; asset impairments; mark-to-market adjustments associated with actuarial gains and losses on pension and other post-retirement benefit plans; environmental remediation costs, fines, penalties and related insurance recoveries related to facilities no longer owned or closed in prior years; gains and losses on the divestiture of operating businesses, joint ventures and equity investments; gains and losses on facility or property sales or disposals; results of litigation, fines or penalties, where such litigation (or action relating to the fines or penalties) arose prior to the commencement of the performance period; one-time, non-recurring items; the effect of changes in accounting principles or other such laws or provisions affecting reported results and tax adjustments. Tax adjustments include the net tax expense/benefit from one-time income tax items, the set-up or reversal of uncertain tax position reserves and deferred income tax valuation allowance adjustments.