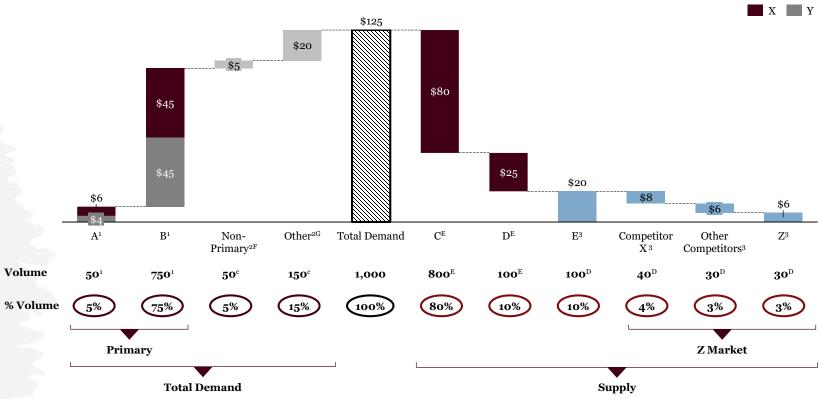


X and Y: Market overview





Insights to consider

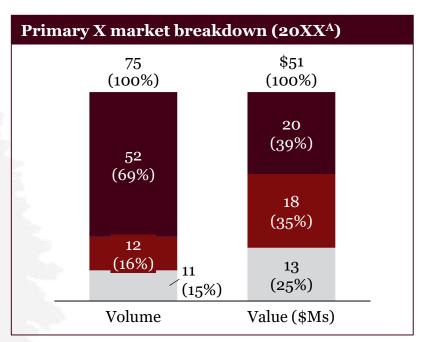
- The majority of Primary X and Y spend (90%) comes from B with the other 10% tied to AB
- C captures the largest share of total revenue (64%) but notably less than its share of volume (80%) due to its lower average sales price per unit of volume
- D captures the second largest share of revenue with \$25M (20% of total revenue) followed by E which capture \$20M (16% of total revenue) with only 10% of the volume given the much higher sales price

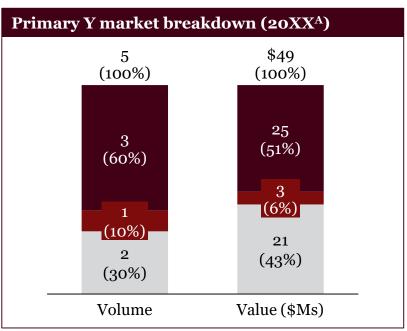
Notes: (A) Note A (B) Note B (C) Note C (D) Note D (E) Note E (F) Note F (G) Note G

Source: (1) Source 1 (2) Source 2 (3) Source 3



B capture a much larger share of Primary X volume and value than Y





В

Insights to consider

- In the Primary market, B captures more than a third of total X revenue (35%) but only 6% of Y revenue due to the commonly preferred features of other materials including X and X
- Y has less than 10% the volume of X (5 to 75) but captures almost half the market's value (49%) given Y's much higher average sales price per unit
- "Other" types are much more prevalent in Y than X, capturing almost 43% of total Y revenue given the distinctive features of these (e.g., X, Y, Z)^C

Note: (i) Note i

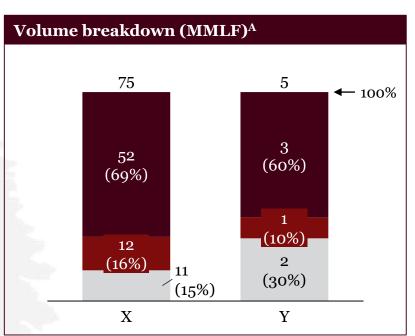
Notes: (A) Note A (B) Note B (C) Note C

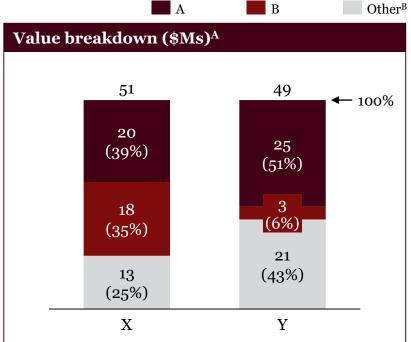
Source: (1) Source 1



Other^B

A dominates volume sales but barely captures a majority of value in either the X or Y market





Insights to consider

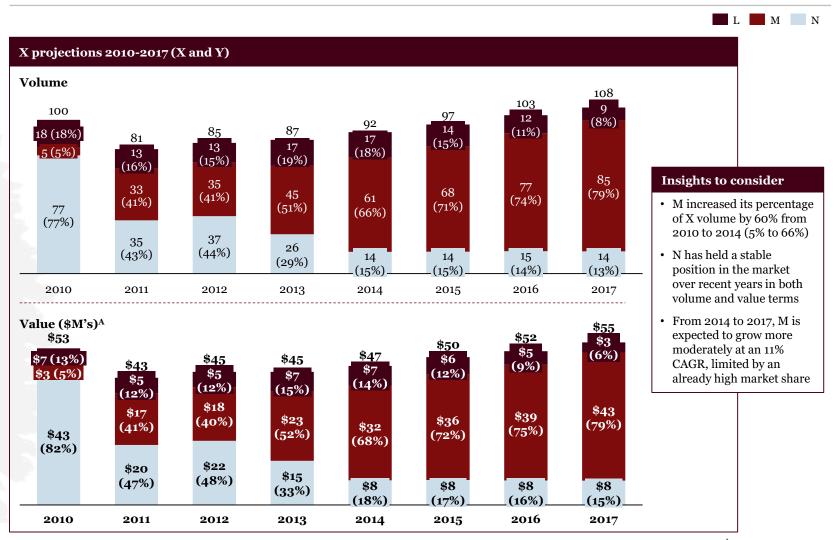
- A has more than 60% of the market in volume terms for X and Y, providing alternatives (e.g., X) significant opportunity to grow
- B have gained 16% market share in X volume and 35% of value but remain marginal in Y (10% of volume) due to the relative appeal of others
- "Other" (e.g., X, Y, Z) has gained a strong foothold in Y with 30% market share and 43% of the value given its distinctive features and higher X

Note: (i) Note i

Notes: (A) Note A (B) Note B (C) Note C

Source: (1) Source 1

In recent years, the X market has seen a significant shift towards M with forecasts expecting the trend to continue



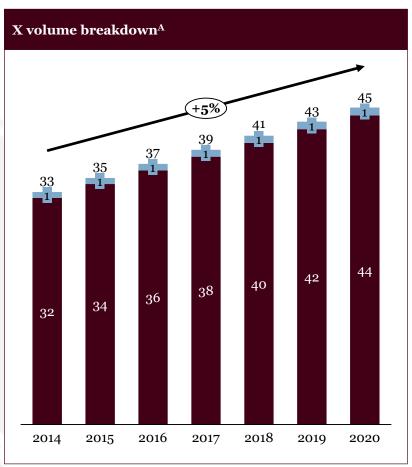
Note: (i) Note i

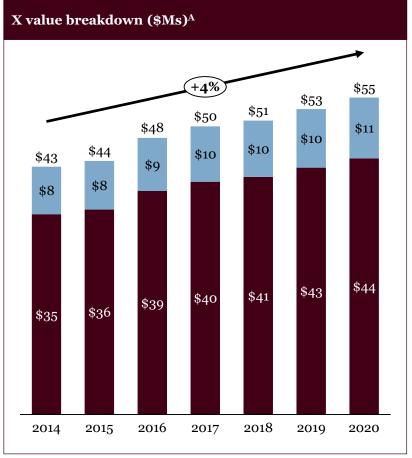
Notes: (A) Note A (B) Note B (C) Note C

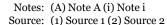
Source: (1) Source 1

Over the next few years, X in the US Primary market are expected to see healthy volume and value growth











X's growth in revenues can be broken down by regions and the three major drivers

	X Demand Growth \$5 (39%)	X Share Growth \$5 (44%)	Price Increase \$2 (17%)
Northeast	\$0.9 (7%)	\$1.7 (14%)	\$0.6 (5%)
Midwest	\$1.2 (10%)		
		\$0.8 (6%)	\$0.5 (3%)
Southeast	\$0.8 (7%)	\$0.5 (4%)	\$0.4
			(3%)
West	\$1.5 (13%)	\$2.0 (17%)	\$0.5 (4%)
Southwest \	\$0.2 (2%)	\$0.4 (3%)	\$0.1 (1%)

Insights to consider

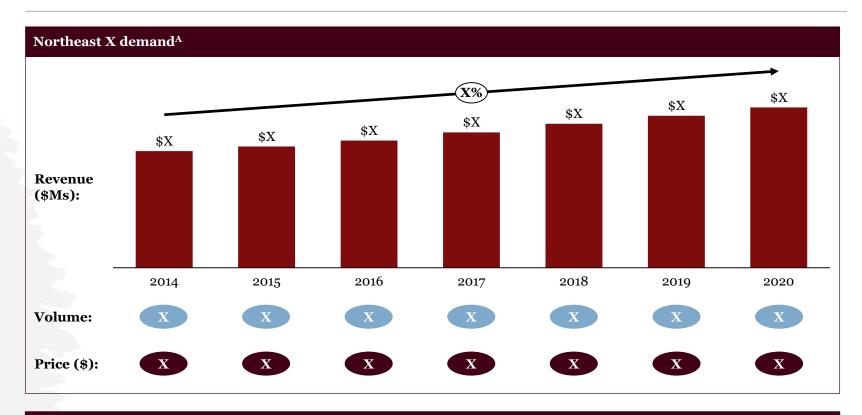
- The West contributes most to the increase in total revenue; with 34% of total growth, driven largely by demand growth (13%) and X share growth (17%)
- The Northeast represents the second highest regional contributor, driven largely by X share growth (14%)
- The Southwest makes the smallest contribution with only 6% of total

Note: (i) Note i

Notes: (A) Note A (B) Note B (C) Note C

Source: (1) Source 1

Northeast: X demand by volume and value



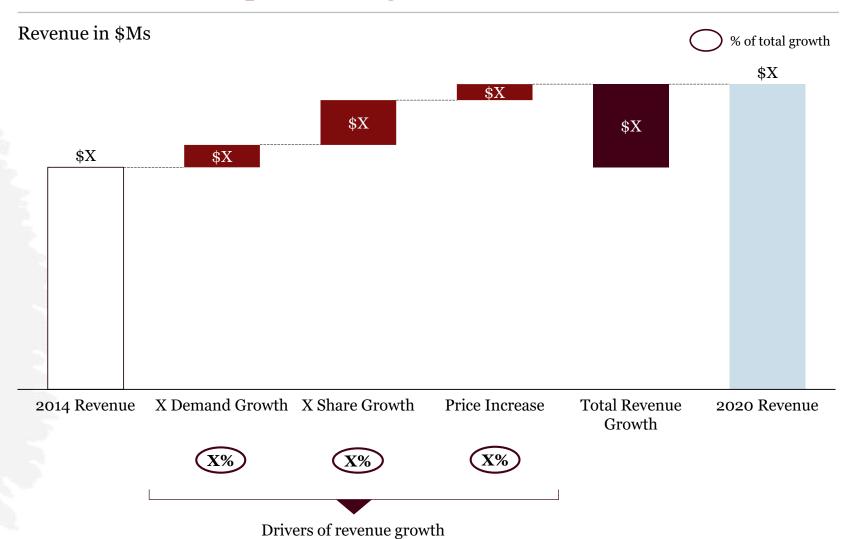
Insights to consider

- Overall sales are expected to increase \$XXM from \$XM to \$XM from 2014 to 2020 (CAGR of X%)
- The Northeast shows a moderate growth rate at X% but has the highest estimated 2020 total spend (\$XM) due to its already large market size
- The region sees significant X spending due to the combination of high X penetration and high X penetration of the X market due to the challenging climate (cold and wet) and relatively high incomes

Notes: (A) Note A

Source: (1) Source 1 (2) Source 2 (3) Source 3

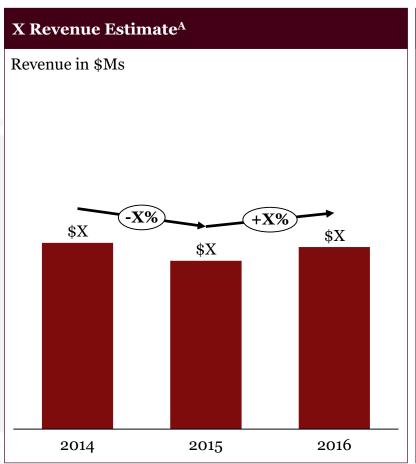
Northeast: Decomposition of growth

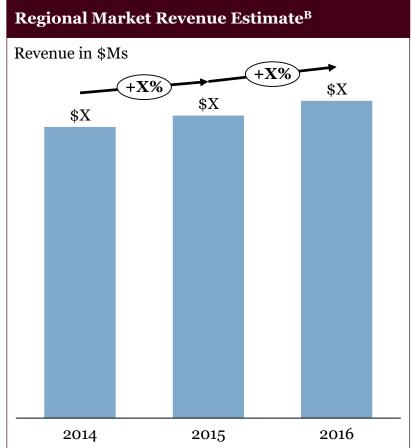


Notes: (A) Note A

Source: (1) Source 1 (2) Source 2 (3) Source 3

Northeast: X revenue performance versus regional market revenue performance, 2014 to 2016





Notes: (A) Note A (B) Note B

Sources: (1) Source 1 (2) Source 2 (3) Source 3 (4) Source 4

