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Date: July 11, 2016

To: Western Lumber Facts Subscribers

Western Wood Products Association's 2015 Annual Mill Operating Survey results have been compiled and final revisions for 2015 have been made in all WWPA statistical reports. Revisions to 2016 year-to-date data have also been applied and are reflected in this edition of *Western Lumber Facts*.

Sincerely,

Gregg Andrews
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Western Wood Products Association
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U.S. West

| | 2014 | 2015 | Variation |
|------------|--------|--------|-----------|
| | (MN | IBF) | (%) |
| Production | 13,994 | 13,531 | -3.31% |
| Shipments | 13,909 | 13,585 | -2.33% |
| Orders | 13,896 | 13,564 | -2.39% |



Western LUMBER FACTS

May 2016 Issued: July 11th, 2016

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| • | | |
|------------------|--------------------------|--|
| | | |
| Western Softwood | Lumber Industry Activity | (million board foot) |
| western sonwood | Lumber mausiry Activity | (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII |

| Western Sonwoo | o Lumber ma | usiiy Aciiv | ity (iiiiiiioii | board ree | IJ | | | | | | | |
|----------------|-------------|-------------|-----------------|-----------|--------|--------|--------|--------|--------|------------|------------|-------|
| | Full Year | 5 mo | nths YTD | | | | | % Chg | , | | | |
| Production | 2015 | 2016 | 2015 | % Chg | May-16 | Apr-16 | May-15 | M to M | Y to Y | 1st Qtr 16 | 1st Qtr 15 | % Chg |
| Coast | 8,174 | 3,535 | 3,613 | -2.2% | 717 | 717 | 651 | 0.1% | 10.2% | 2,101 | 2,177 | -3.5% |
| Inland | 4,881 | 2,085 | 1,993 | 4.6% | 418 | 400 | 370 | 4.6% | 13.0% | 1,267 | 1,202 | 5.4% |
| Cal RW | 476 | 206 | 189 | 9.0% | 38 | 41 | 37 | -5.4% | 4.7% | 127 | 111 | 14.3% |
| Western Total | 13,531 | 5,826 | 5,795 | 0.5% | 1,174 | 1,157 | 1,058 | 1.5% | 11.0% | 3,495 | 3,491 | 0.1% |
| Shipments | | | | | | | | | | | | |
| Coast | 8,214 | 3,484 | 3,556 | -2.0% | 716 | 708 | 686 | 1.1% | 4.4% | 2,060 | 2,106 | -2.2% |
| Inland | 4,871 | 2,141 | 2,007 | 6.6% | 436 | 439 | 401 | -0.5% | 9.0% | 1,266 | 1,181 | 7.2% |
| Cal RW | 501 | 220 | 220 | -0.3% | 40 | 47 | 37 | -14.1% | 8.8% | 133 | 141 | -5.6% |
| Western Total | 13,585 | 5,844 | 5,784 | 1.0% | 1,192 | 1,193 | 1,123 | -0.1% | 6.2% | 3,459 | 3,427 | 0.9% |
| New Orders | | | | | | | | | | | | |
| Coast | 8,189 | 3,477 | 3,541 | -1.8% | 712 | 705 | 646 | 1.1% | 10.2% | 2,060 | 2,127 | -3.1% |
| Inland | 4,897 | 2,135 | 2,010 | 6.2% | 434 | 416 | 400 | 4.4% | 8.5% | 1,285 | 1,181 | 8.8% |
| Cal RW | 478 | 208 | 196 | 6.1% | 37 | 42 | 35 | -11.1% | 6.6% | 129 | 119 | 7.8% |
| Western Total | 13,564 | 5,820 | 5,747 | 1.3% | 1,184 | 1,162 | 1,081 | 1.8% | 9.4% | 3,474 | 3,428 | 1.4% |

| Unfilled Orders | Dec-15 | May-16 | May-15 | % Chg |
|-----------------|--------|--------|--------|-------|
| Coast | 240 | 234 | 250 | -6.6% |
| Inland | 231 | 225 | 207 | 9.1% |
| Cal RW | 36 | 33 | 35 | -5.9% |
| Western Total | 507 | 492 | 492 | 0.0% |

| May-16 | Apr-16 | May-15 |
|--------|--------|--------|
| 99.3% | 98.4% | 99.2% |
| 103.8% | 104.0% | 108.2% |
| 97.0% | 103.2% | 95.3% |
| 100.8% | 100.5% | 102.2% |

Orders vs. Production

| - | - |
|--------|--------|
| May-16 | May-15 |
| 107.2% | 96.1% |
| 86.0% | 74.4% |
| 30.8% | 26.9% |
| 91.4% | 80.9% |

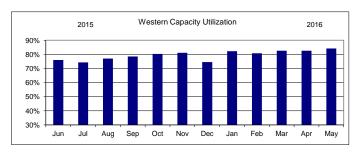
Shipments vs. Inventory

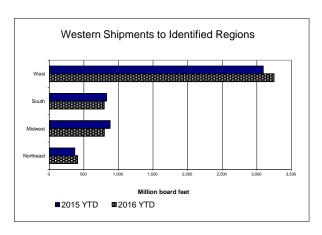
| Inventories | Dec-15 | May-16 | May-15 | % Chg |
|---------------|--------|--------|--------|-------|
| Coast | 617 | 668 | 713 | -6.4% |
| Inland | 563 | 508 | 538 | -5.7% |
| Cal RW | 143 | 130 | 137 | -5.2% |
| Western Total | 1,323 | 1.305 | 1.389 | -6.0% |

| Unfilled vs | s. Inventory |
|-------------|--------------|
| May-16 | May-15 |
| 35.0% | 35.1% |
| 44.4% | 38.4% |
| 25.2% | 25.4% |
| 37.7% | 35.4% |

Production as Percent of Practical Capacity

| | | 5 m | nonths YTD | | | |
|---------------|-------------|------|-------------|--------|--------|--------|
| | <u>2015</u> | 2016 | <u>2015</u> | May-16 | Apr-16 | May-15 |
| Coast | 78% | 84% | 80% | 86% | 86% | 75% |
| Inland | 78% | 80% | 77% | 82% | 77% | 75% |
| Cal RW | 77% | 86% | 67% | 81% | 85% | 81% |
| Western Total | 78% | 82% | 78% | 84% | 83% | 75% |





Shipments to Identified Markets

| Coast Region by | Rail & Truck | 5 mo | nths YTD | | | | | % Ch | 9 |
|------------------|----------------|-------------|-------------|--------|--------|---------------|--------|--------|--------|
| | <u>2015</u> | <u>2016</u> | <u>2015</u> | % Chg | May-16 | <u>Apr-16</u> | May-15 | M to M | Y to Y |
| Northeast | 682 | 306 | 269 | 13.7% | 55 | 64 | 53 | -14.6% | 4.1% |
| Midwest | 1,126 | 439 | 515 | -14.7% | 97 | 81 | 105 | 20.3% | -7.8% |
| South | 1,154 | 437 | 516 | -15.2% | 86 | 85 | 98 | 0.6% | -12.4% |
| West | 4,764 | 2,101 | 2,040 | 3.0% | 446 | 440 | 384 | 1.3% | 16.0% |
| Total | 7,726 | 3,284 | 3,339 | -1.6% | 683 | 670 | 640 | 2.0% | 6.8% |
| Inland Region by | / Rail & Truck | | | | | | I | | |
| Northeast | 249 | 103 | 100 | 3.3% | 23 | 19 | 24 | 19.3% | -2.4% |
| Midwest | 851 | 356 | 366 | -2.7% | 73 | 65 | 74 | 12.3% | -0.4% |
| South | 736 | 357 | 314 | 13.7% | 68 | 64 | 63 | 4.9% | 7.2% |
| West | 2,612 | 1,147 | 1,053 | 9.0% | 235 | 256 | 206 | -8.2% | 14.1% |
| Total | 4,447 | 1,963 | 1,832 | 7.1% | 399 | 405 | 366 | -1.5% | 8.9% |

Source: Western Wood Products Association

| | | - · | | |
|---------|---------|------------|----|---------|
| Lumber. | Average | Prices | bν | Species |

| | Full Year | 5 months ' | YTD | i | | | | % Chg | I |
|---|--|--|--|---|--|--|--|------------------------------|--|
| Coast Region | <u>2015</u> | <u>2016</u> | <u>2015</u> | % Chg | May-16 | Apr-16 | May-15 | M to M | Y to Y |
| Douglas Fir, Dry | \$356.33 | \$372.11 | \$356.21 | 4.5% | \$376.26 | \$378.95 | \$324.31 | -0.7% | 16.0% |
| Douglas Fir, Green | \$350.40 | \$349.07 | \$349.03 | 0.0% | \$364.50 | \$369.48 | \$335.98 | -1.3% | 8.5% |
| Douglas Fir, All | \$353.16 | \$359.63 | \$352.60 | 2.0% | \$369.82 | \$373.72 | \$329.71 | -1.0% | 12.2% |
| Hem-Fir, Dry | \$309.64 | \$326.01 | \$317.22 | 2.8% | \$360.94 | \$352.04 | \$288.95 | 2.5% | 24.9% |
| Hem-Fir, Green | \$379.28 | \$358.94 | \$406.31 | -11.7% | \$379.98 | \$370.73 | \$377.35 | 2.5% | 0.7% |
| Hem-Fir, All | \$314.04 | \$328.34 | \$323.48 | 1.5% | \$362.50 | \$353.37 | \$295.64 | 2.6% | 22.6% |
| , | • • • • | * | * | | • | • | | | |
| Inland Region | | | | | | | | | |
| Ponderosa Pine | \$491.52 | \$453.82 | \$510.30 | -11.1% | \$465.83 | \$455.21 | \$505.50 | 2.3% | -7.8% |
| Douglas Fir & Larch-Dry | \$374.98 | \$383.85 | \$378.82 | 1.3% | \$392.54 | \$395.92 | \$346.30 | -0.9% | 13.4% |
| Douglas Fir & Larch Green | \$417.10 | \$393.66 | \$410.47 | -4.1% | \$431.00 | \$410.18 | \$387.36 | 5.1% | 11.3% |
| White Fir | \$348.11 | \$347.37 | \$350.74 | -1.0% | \$372.79 | \$371.46 | \$328.30 | 0.4% | 13.6% |
| Englemann Spruce | \$426.51 | \$428.37 | \$418.71 | 2.3% | \$451.38 | \$407.65 | \$367.20 | 10.7% | 22.9% |
| Western Red Cedar | \$848.69 | \$895.36 | \$853.88 | 4.9% | \$905.37 | \$884.51 | \$899.47 | 2.4% | 0.7% |
| Whitewoods | \$304.42 | \$311.29 | \$312.15 | -0.3% | \$322.08 | \$318.88 | \$285.62 | 1.0% | 12.8% |
| | ψου 1. 12 | ψ011.20 | ψο 12.10 | 0.070 | Ψ022.00 | ψο 10.00 | Ψ200.02 | 1.070 | 12.070 |
| Lumber, Invoice-based Average Pr | ices for Select | ed Products | | | | | | | |
| | Full Year | 5 months | YTD | | | | | % Chg | I |
| \$/MBF | <u>2015</u> | <u>2016</u> | <u>2015</u> | % Chg | May-16 | <u>Apr-16</u> | <u>May-15</u> | M to M | Y to Y |
| Coast Douglas Fir (Green) | | | | | | | | | |
| 2 x4 Stand & Btr R/L | \$332.89 | \$339.15 | \$325.95 | 4.0% | \$368.90 | \$360.55 | \$310.80 | 2.3% | 18.7% |
| 2x4 Stud Stand & Btr (8') | \$334.32 | \$331.68 | \$325.14 | 2.0% | \$349.74 | \$337.66 | \$322.45 | 3.6% | 8.5% |
| 2x10 No. 2 & Btr R/L | \$385.65 | \$392.89 | \$369.21 | 6.4% | \$403.43 | \$423.90 | \$349.68 | -4.8% | 15.4% |
| | | • | • | | | | • | | |
| Coast Hem-fir (Dry) | | | | | | | | | |
| | | | | | | | | | |
| 2x4 Stand & Btr R/L | \$337.06 | NA | \$342.95 | NA | NA | NA | NA | NA | NA |
| | \$337.06 \$353.01 | NA \$354.40 | \$342.95 \$348.58 | NA 1.7% | NA \$397.50 | NA \$386.65 | NA \$328.52 | NA 2.8% | NA 21.0% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L | | | | | | | | | |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) | \$353.01 | \$354.40 | \$348.58 | 1.7% | \$397.50 | \$386.65 | \$328.52 | 2.8% | 21.0% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) 2x4 Stud (8') | \$353.01 \$359.49 | \$354.40 \$333.94 | \$348.58 \$374.40 | 1.7% | \$397.50 \$344.68 | \$386.65 \$351.41 | \$328.52 \$334.97 | 2.8% | 21.0% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) | \$353.01 | \$354.40 | \$348.58 | 1.7% | \$397.50 | \$386.65 | \$328.52 | 2.8% | 21.0% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) 2x4 Stud (8') | \$353.01 \$359.49 \$386.04 | \$354.40 \$333.94 \$427.19 | \$348.58 \$374.40 | 1.7% | \$397.50 \$344.68 | \$386.65 \$351.41 | \$328.52 \$334.97 | 2.8% | 21.0% 2.9% 25.6% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) 2x4 Stud (8') 2x10 No. 2 & Btr R/L | \$353.01 \$359.49 | \$354.40 \$333.94 | \$348.58 \$374.40 | 1.7% | \$397.50 \$344.68 | \$386.65 \$351.41 | \$328.52 \$334.97 | 2.8% | 21.0% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) 2x4 Stud (8') 2x10 No. 2 & Btr R/L White Woods | \$353.01 \$359.49 \$386.04 | \$354.40 \$333.94 \$427.19 | \$348.58 \$374.40 \$409.39 | 1.7% -10.8% 4.3% | \$397.50 \$344.68 \$445.27 | \$386.65 \$351.41 \$465.99 | \$328.52 \$334.97 \$354.47 | 2.8% -1.9% -4.4% | 21.0% 2.9% 25.6% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) 2x4 Stud (8') 2x10 No. 2 & Btr R/L White Woods 2x4 Stud (8') 2x6 Stud (8') | \$353.01 \$359.49 \$386.04 \$336.85 | \$354.40 \$333.94 \$427.19 \$331.53 | \$348.58 \$374.40 \$409.39 \$349.56 | 1.7% -10.8% 4.3% -5.2% | \$397.50 \$344.68 \$445.27 \$336.88 | \$386.65 \$351.41 \$465.99 \$342.59 | \$328.52 \$334.97 \$354.47 \$315.64 | 2.8% -1.9% -4.4% | 21.0% 2.9% 25.6% 6.7% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) 2x4 Stud (8') 2x10 No. 2 & Btr R/L White Woods 2x4 Stud (8') | \$353.01 \$359.49 \$386.04 \$336.85 \$290.58 | \$354.40 \$333.94 \$427.19 \$331.53 \$278.41 | \$348.58 \$374.40 \$409.39 \$349.56 \$312.37 | 1.7% -10.8% 4.3% -5.2% -10.9% | \$397.50 \$344.68 \$445.27 \$336.88 \$286.42 | \$386.65 \$351.41 \$465.99 \$342.59 | \$328.52 \$334.97 \$354.47 \$315.64 \$272.52 | 2.8% -1.9% -4.4% | 21.0% 2.9% 25.6% 6.7% 5.1% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) 2x4 Stud (8') 2x10 No. 2 & Btr R/L White Woods 2x4 Stud (8') 2x6 Stud (8') | \$353.01 \$359.49 \$386.04 \$336.85 | \$354.40 \$333.94 \$427.19 \$331.53 | \$348.58 \$374.40 \$409.39 \$349.56 | 1.7% -10.8% 4.3% -5.2% | \$397.50 \$344.68 \$445.27 \$336.88 | \$386.65 \$351.41 \$465.99 \$342.59 | \$328.52 \$334.97 \$354.47 \$315.64 | 2.8% -1.9% -4.4% | 21.0% 2.9% 25.6% 6.7% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) 2x4 Stud (8') 2x10 No. 2 & Btr R/L White Woods 2x4 Stud (8') 2x6 Stud (8') Ponderosa Pine (Dry) | \$353.01 \$359.49 \$386.04 \$336.85 \$290.58 | \$354.40 \$333.94 \$427.19 \$331.53 \$278.41 | \$348.58 \$374.40 \$409.39 \$349.56 \$312.37 | 1.7% -10.8% 4.3% -5.2% -10.9% | \$397.50 \$344.68 \$445.27 \$336.88 \$286.42 | \$386.65 \$351.41 \$465.99 \$342.59 \$298.45 | \$328.52 \$334.97 \$354.47 \$315.64 \$272.52 | 2.8% -1.9% -4.4% -1.7% -4.0% | 21.0% 2.9% 25.6% 6.7% 5.1% |
| 2x4 Stand & Btr R/L 2x10 No. 2 & Btr R/L Inland Douglas Fir-Larch (Dry) 2x4 Stud (8') 2x10 No. 2 & Btr R/L White Woods 2x4 Stud (8') 2x6 Stud (8') Ponderosa Pine (Dry) 5/4 Moulding & Btr R/W | \$353.01 \$359.49 \$386.04 \$336.85 \$290.58 | \$354.40 \$333.94 \$427.19 \$331.53 \$278.41 \$1,253.87 | \$348.58 \$374.40 \$409.39 \$349.56 \$312.37 | 1.7% -10.8% 4.3% -5.2% -10.9% | \$397.50 \$344.68 \$445.27 \$336.88 \$286.42 \$1,251.95 | \$386.65 \$351.41 \$465.99 \$342.59 \$298.45 | \$328.52 \$334.97 \$354.47 \$315.64 \$272.52 | 2.8% -1.9% -4.4% -1.7% -4.0% | 21.0% 2.9% 25.6% 6.7% 5.1% |