



May 28, 2017

**To: All Nucor Customers**

**Re: 2016 Recycled Content of Nucor Downstream Steel Products**

Nucor Corporation is North America’s largest recycler, using approximately 17.5 million tons of scrap steel in 2016 to create new products. Nucor uses Electric Arc Furnace (EAF) technology at all of its steel recycling facilities. EAFs use post-consumer scrap steel material as the major feedstock, unlike blast furnace operations that use mined iron ore as the major feedstock. Nucor has prepared the following information to help calculate the recycled content for products being used in “Green Building” applications or for projects in the LEED® certification program. These percentages are approximate and are based on the total weight of the products. The calculations are based on 2016 scrap steel delivered and hot metal tons produced and are defined in accordance with ISO 14021:2001. More specific product information may be available from facility representatives. You can find the division contact information here - [http://nucor.com/media/Nucor\\_LEED\\_CONTACTS.pdf](http://nucor.com/media/Nucor_LEED_CONTACTS.pdf).

**Recycled Content – LEED 2009 MR 4; LEED v4 MR Credit: Sourcing of Raw Materials**

<b>2016 Recycled Steel Content of Nucor Products (% by Total Weight)</b>	
<b>Product Group</b>	<b>Average Recycled Content</b>
Nucor Bar Products	94.6%
Nucor Engineered Bar Products	86.2%
Nucor Beam Products	76.8%
Nucor Plate Products	66.2%
Nucor Sheet Products	60.6%
Nucor Castrip®	89.3%
<b>Total Nucor Steel Combined</b>	<b>79.2%</b>
Vulcraft Structural Products	94.6%
Vulcraft / Verco Decking	60.6%
Nucor Grating / Fisher-Ludlow Grating	94.6%
Nucor Building Group	79.2%
Harris Rebar	94.6%
Nucor Fastener Products	94.6%
Nucor Wire Products	94.6%
Nucor Cold Finish	86.2%

**Regional Materials – LEED 2009 Credit 5; LEED v4 Local Sourcing**

Nucor tracks the origin of scrap shipments to our mills. Nucor can approximate the amount of scrap recovered from any project site region. Nucor owns steel and steel products manufacturing facilities throughout the US that are often within 500 miles of the project site. Please refer to the LEED Contact List (<http://nucor.com/responsibility/sustainability/compliance/leed/>), then click on “LEED Contact”), and contact the specific Nucor representative at the facility directly.

## **Nucor Downstream Products Groups -**

**Vulcraft Group** – **Vulcraft** - Florence, SC; Norfolk, NE; Brigham City, UT; Grapeland, TX; St. Joe, IN; Fort Payne, AL; Chemung, NY; Nisku, AB; Hamilton, ON; **Verco Decking, Inc.** – Phoenix, AZ; Fontana, CA; Antioch, CA

**Joists/Structural Products** - The bar steel for Vulcraft joists is typically obtained from one of the ten (10) Nucor bar mills. That would mean that the average recycled content percentage for the Vulcraft group is 94.6%. The post- and pre-consumer recycled content have been calculated to be 83.0% and 11.7% respectively. Specific project information is available from facility representatives.

**Deck** – Steel for decking produced by Vulcraft facilities is typically obtained from one of the seven (7) Nucor sheet mills. That would mean that the Vulcraft deck products contain 60.6% recycled steel. The post- and pre-consumer recycled content were calculated to be 31.7% and 28.9% respectively. Verco Decking, Inc. may obtain steel from sources outside of Nucor that may contain lower amounts of recycled content. Specific product information regarding Verco Decking, Inc., and individual Vulcraft locations is available from facility representatives.

**Nucor Grating / Fisher & Ludlow Grating** – **Nucor Grating** – Bourbonnais, IL; Bethlehem, PA; Wexford, PA; Madison, MS; **Fisher & Ludlow** – Burlington, ON; Surrey, BC; Edmonton, AB; Wetaskiwin, AB; Pointe-aux-Trembles, QC;

Steel for grating products is typically obtained from Nucor bar mills that use scrap steel as their raw material. That would mean that Nucor Grating / Fisher & Ludlow steel grating products contain 94.6% recycled content. The post- and pre-consumer recycled content were calculated to be 83.0% and 11.7% respectively. Contact Nucor Grating / Fisher & Ludlow directly for job specific information and recycled content data for galvanized, stainless steel or aluminum products.

**Nucor Building Group** – **Nucor Building Systems** - Swansea, SC; Waterloo, IN; Terrell, TX; Brigham City, UT; **American Buildings Company** – Eufaula, AL; La Crosse, VA; Carson City, NV; El Paso, IL; **Kirby Building Systems** – Portland, TN; Starkville, MS; **CBC Steel** – Lathrop, CA;

**Nucor Building Group** (Including American Buildings Company, Kirby Building Systems, Gulf States Manufacturer, and CBC Steel) – Nucor Building Group products may contain steel from all of the Nucor steel mills or obtain steel from outside of Nucor Corporation for their sheet, plate, bar and beam steel needs. The Nucor Building Systems, when using Nucor steel, contains an average of 79.2% total recycled content. The post- and pre-consumer recycled would be 53.3% and 25.9% respectively. Various components contain varying amounts of recycled content. Contact the Building Group facility directly for additional information.

**Nucor Fastener** – **Nucor Fastener** - St. Joe, IN; **Nucor-LMP** – Maryville, MO

Steel for Nucor fasteners is typically obtained from Nucor bar mills that use scrap steel as their feedstock. Some fasteners may contain high percentages of alloys that may reduce the total recycled content of the products, but Nucor Fastener products typically contain 94.6% recycled materials. The post- and pre-consumer recycled content would be 83.0% and 11.7% respectively.

**Nucor Cold Finish Group** – **Nucor Cold Finish** – Norfolk, NE; Darlington, SC; Brigham City, UT; Oak Creek, WI; **Nucor-LMP** – Maryville, OH; **Laurel Steel** – Burlington, ON; **Nucor Bright Bar** – Orrville, OH;

Steel processed at Nucor Cold Finish is typically obtained from Nucor bar mills or Nucor SBQ mills. Nucor Cold Finish products, when using steel obtained from Nucor bar mills, would contain an average of 94.6% recycled steel. The post- and pre-consumer recycled content would be 83.0% and 11.7% respectively. Nucor Cold Finish products, when using Engineered steel from Nucor SBQ mills, would contain an average of 86.2% recycled steel. The post- and pre-consumer recycled content would be 61.4% and 24.7% respectively. Contact the Nucor Cold Finish facility directly for specific information.

**Nucor Wire Products** – **Nucor Wire Products** – Brigham City, UT; Wallingford, CT; **Nucor-LMP** – Maryville, MO; **Laurel Steel** – Burlington, ON; Brantford, ON;

Steel processed at Nucor Wire Products is typically obtained from Nucor bar mills. Nucor Wire products, when using steel obtained from Nucor bar mills, would contain an average of 94.6% recycled steel. The post- and pre-consumer recycled content would be 83.0% and 11.7% respectively. Some wire products can contain varying recycled content. Contact the Nucor Wire Products facility directly for specific information.

**Harris Rebar** – See [www.harrisrebar.com/contact-locations.php](http://www.harrisrebar.com/contact-locations.php) for location and contact information

Rebar fabricated at Harris Rebar facilities is typically sourced from Nucor bar mills. Harris Rebar Fabrications, when using steel from Nucor bar mills, would contain an average of 94.6% recycled content. The post- and pre-consumer recycled content would be 83.0% and 11.7% respectively. Contact the Harris Rebar facility for project specific information.

### **LEED v4 Information**

Nucor can provide a variety of documentation to help projects satisfy LEED v4 credit requirements. Nucor publishes a Corporate Sustainability Report bi-annually which can be found here - <http://nucor.com/responsibility/sustainability/performance/>.

We continue to develop product-specific Environmental Product Declarations and Health Product Declarations for a variety of product groups. Nucor has participated in multiple industry-wide Environmental Product Declarations which can be used for Nucor products. Additionally Nucor will work individually with any customer requiring product life cycle inventory data or other environmental footprint information.

Additional LEED and/or other environmental information regarding specific Nucor Corporation products for a customer's specific order is available from facility representatives or the corporate office. A current contact list can be found here - [http://nucor.com/media/Nucor\\_LEED\\_CONTACTS.pdf](http://nucor.com/media/Nucor_LEED_CONTACTS.pdf).

Additional industry information is available online through the Steel Recycling Institute at <http://www.recycle-steel.org>.