




2018 New Mexico Recycling Coalition Conference



September 26, 2018



Founded in 1988, Now Part of AISI



**American  
Iron and Steel  
Institute**



Steel  
Market Development  
Institute



**Steel Recycling Institute**

[www.Recycle-Steel.org](http://www.Recycle-Steel.org)





## AISI Producer Members

### United States

[AK Steel Corporation](#)  
[ArcelorMittal USA](#)  
[California Steel Industries, Inc.](#)  
[Cleveland-Cliffs Inc.](#)  
[DTE Energy Resources](#)  
[EVRAZ North America](#)  
[Harsco Metals & Minerals](#)  
[Nucor Corporation](#)  
[SSAB Americas](#)  
[Tenaris Bay City](#)  
[TimkenSteel](#)  
[United States Steel Corporation](#)

### Canada

[Algoma](#)  
[ArcelorMittal Dofasco](#)  
[Ivaco Rolling Mills 2004 L.P.](#)  
[Stelco](#)

### Mexico

[Altos Hornos de Mexico S.A.](#)  
[ArcelorMittal Mexico](#)  
[Deacero S.A.P.I. de C.V.](#)  
[Tenaris Tamsa](#)  
[Ternium Mexico](#)

Plus over 120 associate members from the industry

[www.Recycle-Steel.org](http://www.Recycle-Steel.org)



**63%**  
of likely voters  
support the China tariffs  
or giving them more time  
to work.

Poll of likely 2018 general election voters, Aug.-Sept. 2018

ALLIANCE FOR  
american  
manufacturing

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Meet SMDI



# Steel Market Development Institute

### Investor Companies



### Partner Alliances



www.Recycle-Steel.org



# Meet SMDI

- **Ultra light Steel Auto Body** 
- **Steel Bridges** 
- **Steel Utility Poles** 
- **Residential Steel Framing** 

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## Meet SMDI Sustainability Group



**Steel  
Market Development  
Institute**

**Mark A. Thimons**  
Vice President, Sustainability, SMDI

**Kishore Mahbubani**  
Sustainability Analyst

**Brandie Sebastian**  
Director, Life Cycle Assessment

**David Keeling**  
Director, Recycling

**After all, Recycling is the “gateway drug” to sustainability!**

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## Celebrating 30 years of SRI



*The Steel Recycling Institute is an industry association with the mission of promoting and sustaining steel recycling. It is the primary information and technical resource for entities interested in steel recycling and the use of steel in sustainable construction.*

*The SRI also serves as the clearinghouse for life cycle assessment data for the North American Steel Industry. The SRI documents the environmental performance of steel products through life cycle assessment (LCA) studies and environmental product declarations (EPDs).*

**-Since 1990, the industry has reduced energy intensity by 31 percent and CO2 emissions by 36 percent per ton of steel shipped. Through recycling, the steel industry saves the energy needed to power 20 million homes for one year.**

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**President**

**Vice Chair**

**Secretary**

**Wisconsin Council on Recycling Chair**

**Board Member**

**Advisory Board Member**

**Advisory Board Member**

w w w . R e c y c l e - S t e e l . o r g



## Speaking of The NRC

**Special thank you to Sarah Pierpont for her hard work on behalf of the NRC!**

Brought on two staff members:

Marjorie Griek, NRC Executive Director &  
Sarah DeSouza, NRC Exec. Assistant

Once again the NRC is “Co-branding” the 2018 Resource Recycling Conference in St. Louis, MO On October 22-24, 2018:

Three designated NRC conference sessions,  
NRC Markets Town Hall,  
NRC Awards and Scholarships,  
Joint NRC/MORA fundraiser,  
Recycling Organization Council meeting,  
NRC Annual Members Meeting,  
Kick off of NRC Elections.

**Development of NRC Rapid Response Team**  
NRC has a procedure to now respond to issues and articles through its Rapid Response Team in an accelerated time frame.

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## Market Development

The series of 2018 NRC Regional Market Forums being held in different regions throughout the country

first one took place in Portland, OR on April 4, 2018  
Second one took place in Peachtree City, GA on July 31, 2018

Third one scheduled to take place on November 7, 2018 in Oak Lawn, IL (near Chicago)

Fourth one to be held in Spring of 2018.

RRS brought on to assist in the development of an end product such as a market development tool kit or best practices guide (So we just didn't get together to talk)

**Quarterly webinars or conference “calls” about recycling as an economic development tool**  
(Program originally started by the USEPA but discontinued a number of years ago)

First two “calls” featured Robin Wiener, President of ISRI, an NRC Board Member were held on March 29, 2018 and June 28, 2018.

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## Resources for NRC members like you

Monthly NRC/PRMC webinar series free to NRC members  
-Nearly 75 webinars presented since the start of the program in 2011!

Development of NRC online resource library

Download SMM resources <https://nrcrecycles.org/smm/>

Free job postings on [www.Recyclingjobs.com](http://www.Recyclingjobs.com)

Assistance in developing Sustainable Resource Management Certified Professional Certification Program through the NRC National Standards Certification Board

Expanded college and university engagement between campuses and SROs through NRC Campus Council

Negotiating contracts for products and services to offer discounts for affiliates and their members

-SRO affiliates may have received email from "Memberclicks" about a discount of their service  
-Payzone credit card processing program

Rebate program for SRO affiliate staff travel to NRC sanctioned events

Participation in NRC elections, board, committees and awards program

Thank you to the NMRC for being an NRC affiliate! "Together, We are Recycling"

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## Why recycle Steel?

Economics - saves money - substitution cost

Environment - conserves resources

**Energy: 5450 BTU saved per lb. Of steel**

Saves per ton of steel

Coal - 1,400 lbs

Iron ore - 2,500 lbs

Limestone - 120 lbs

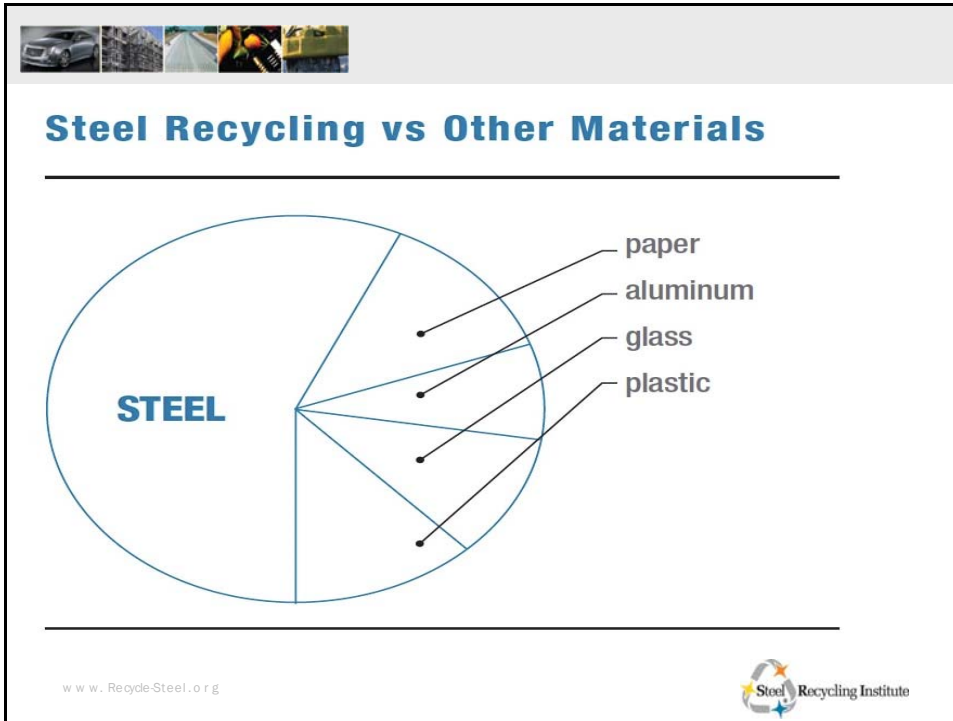
Saves landfill space

1 cubic yard whole steel cans = 150 lbs

1 cubic yard flattened steel cans = 850 lbs

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**A Partnership in Steel Making**

Two Production Methods:

**BOF or Integrated Mill**  
 About 40% of overall U.S. production  
 Uses coke to convert Iron ore to Pig iron  
 Typically 65-75% molten iron  
 and **25-35% scrap**

**EAF or Mini Mill**  
 About 60% of U.S. production  
 Uses primarily scrap and  
 direct-reduced iron (DRI)  
 Typically 0-25% iron and **75-100% scrap**

**No matter what the process used,  
 we need old steel to make new steel!**

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**Additional Steel Capacity announced in the last year**

- Aero Junction, HRC Mill in Mingo Junction, OH
- Charter Steel SBQ mill in Cleveland, OH
- Commercial Metals Rebar Mill in Durant, OK
- Expansion of Steel Dynamics Rebar Mill in Roanoke, VA
- NLMK restart of HDG line in Sharon, PA
- New Nucor Steel Rebar mills in Sedalia, MO and Frostproof, FL,
- Expansion of Nucor Steel Merchant Bar Mill in Kankakee, IL
- Republic Steel in Lorraine, OH
- Possible Expansion of Big River Steel in Osceola, AR
- Bilstein Cold Rolled Steel starting up a greenfield cold-rolled sheet facility in Bowling Green, KY
- Restart of Blast Furnace at US Steel plant in Granite City, IL

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**#EconomyOfSteel**  
Our nation's economy relies on a strong steel industry.

**Economy**

American steel industry accounts for more than **\$520 BILLION** IN ECONOMIC OUTPUT

**Ripple Effect of Iron and Steel Industry**

- 1 Direct Impact:** Iron and steel industry
- 2 Supplier Impact:** Suppliers to the iron and steel industry
- 3 Induced Impact:** Household spending by employees of the iron and steel industry and its suppliers

**TOTAL IMPACT OF THE INDUSTRY**

**Economic Impact**

More than **387,000** American steel jobs pay **\$34 BILLION** in wages and benefits

**Jobs**

**ACCOUNTS FOR NEARLY 2 MILLION JOBS** When considering direct, indirect and induced (related) impacts

www

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