

# American Metal Market

## Nonferrous Scrap

Methodology and Price Specifications

American Metal Market

American Metal Market (AMM) is the leading independent supplier of market intelligence, pricing, assessments, analysis and commentary to the North American metals industries. AMM publishes widely used reference prices for non-ferrous metals, steel and scrap markets.

AMM is completely independent and has no vested commercial interest in any of the markets it prices.

AMM's reporters are required to follow a Code of Conduct.

AMM reporters are required to follow robust pricing procedures during their market reporting and pricing activities.

All work by AMM reporters is peer reviewed and approved prior publication by senior reporters.

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AMM treats all communications of price, assessments, contract details and all other information as confidential and details are never shared with third parties.

If you have any questions, please contact the pricing administrator, [pricing@amm.com](mailto:pricing@amm.com).

**AmericanMetalMarket**

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## The price discovery process methodology

The aim of this section is to provide a clear overview of the pricing methodology and price specifications of all the nonferrous scrap markets that AMM assesses.

AMM produces independent, fair and representative price assessments for the US nonferrous scrap market on a periodic basis, most often daily, weekly and monthly. It reserves the right, based on market variations or other factors, to change the frequency of any price, assessment or index published after notifying the market of its intent.

AMM's reporters are charged with speaking to a broad sample of market participants closely or specifically involved in the buying and selling of the metal of interest. Representatives of this market, may include both sides of known contract(s), may include producers, consumers, traders and brokers.

The reporters' goal is to discover as many details as possible of all market activity including concluded business, made offers, and received bids or prices quotes over a certain defined period – generally the period since the conclusion of the previous quotation.

Pricing data is usually collected via phone conversations and email exchanges with market participants; all

the relevant pricing details are entered into the AMM pricing database and available for peer review.

AMM follows industry convention for all price points, assessments and indexes. Reporters ensure that the information they receive matches these conventions.

Occasionally AMM might receive price data for material where a transaction, contract, reported bid, offer or quote may differ in some element from convention – for instance, non-standard material quality, delivery terms or delivery location, cargo size or payment terms. In such cases AMM normalizes the data.

AMM does not use volume/quantity/tonnage weighted averages and will not use information that is suspect or from an anonymous sources who refuse to detail and verify their involvement in the industry.

At the end of a pricing session, AMM reporters will collate information received and review it before setting a price or assessment. In some cases, it will set a price range, to reflect the spread of prices at which business has been transacted, offered or bid. In other cases it will specify as single number, midpoint, or index which is compiled from single numbers and/or ranges.

While AMM does not use volume/quantity/tonnage weighted averages, it does use weighting in that greater

importance is given to actual and/or concluded transaction data. Depending on market liquidity, it is not always possible to obtain actual transaction data; in such cases, AMM reserves the right to base its prices on also on bids, offers and assessments and the context of related benchmarks and/or analogous transactions, bids, offers and assessments to inform any or no directional change in pricing.

When required, particularly in instances where a market moves dramatically, AMM seeks to confirm all information on deals either by requesting a signed copy of the contract; we also accept other materials as evidence of claimed deals and reserve the right to check deal information with the counterparty, middleman, trader or other knowledgeable participant.

AMM uses its expert judgment and applies consistent procedures to exclude outlying numbers and discard prices that it believes may be questionable, unrepeatable or otherwise unrepresentative of current market conditions.

All price assessment inputs are gathered by one or more reporters who cover that/those specific market(s). Prices are reviewed and approved by a senior reporter or editor (all of whom have access to the first reporter's or reporters' documentation) prior to publication. In this way AMM ensures consistency in the application of the

methodology and the exercising of judgement.

In the event that no relevant data has been reported in the assessed period, for example as a result of holidays, AMM reserves the right to roll the price over.

### **Methodology and price specification review process**

AMM continually develops and revises its methodologies in consultation with industry participants. If there are

changes in the industry, AMM will revise or adopt product specifications, trading terms, conditions or other factors that reflect and are representative of typical working practices in the industry. All methodologies, changes, revisions, adaptations or other are approved by AMM's Editor and senior management.

Please note that changes to the methodology and/or details affecting the price are implemented following a formal consultation process which starts with AMM posting on its website and/

or in its daily issue an advance pricing notice providing clear details and time-frame for the change proposed. AMM concurrently reaches out to known participants in the specific market for feedback, comment and suggestions. The objective of the consultation process is to give market participants sufficient time and opportunity to provide feedback. AMM will consider all views about the change proposed, but reserves the right to make changes it deems necessary.

## Copper Scrap

### No. 1 heavy copper and wire:

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean, untinned, uncoated, unalloyed copper wire and cable, not smaller than No. 16 B & S wire gauge, free of burnt wire which is brittle. Hydraulically briquetted copper subject to agreement.
Frequency:	Twice a month (approx. 1st and 15th)
ISRI code:	Berry

### No. 2 heavy copper and wire:

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of miscellaneous, unalloyed copper wire having a nominal 96% copper content (min. 94%) as determined by electrolytic assay. Should be free of the following: Excessively leaded, tinned, soldered copper wire; brass and bronze wire; excessive oil content, iron, and non-metallics; copper wire from burning, containing insulation; hair wire; burnt wire which is brittle; and should be reasonably free of ash. Hydraulically briquetted copper subject to agreement.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Birch

### Light copper:

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of miscellaneous, unalloyed copper scrap having a nominal 92% copper content (min. 88%) as determined by electrolytic assay and shall consist of sheet copper, gutters, downspouts, kettles, boilers, and similar scrap. Should be free of the following: Burnt hair wire; copper clad; plating racks; grindings; copper wire from burning, containing insulation; radiators and fire extinguishers; refrigerator units; electrotpe shells; screening; excessively leaded, tinned, soldered scrap; brasses and bronzes; excessive oil, iron and non-metallics; and should be reasonably free of ash. Hydraulically briquetted copper subject to agreement. Any items excluded in this grade are also excluded in the higher grades above.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Dream

### Red brass solids:

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of red brass scrap, valves, machinery bearings and other machinery parts, including miscellaneous castings made of copper, tin, zinc, and/or lead. Shall be free of semi-red brass castings (78% to 81% copper); railroad car boxes and other similar high-lead alloys; cocks and faucets; closed water meters; gates; pot pieces; ingots and burned brass; aluminum, silicon, and manganese bronzes; iron and non-metallics. No piece to measure more than 12 inches over any one part or weigh over 100 pounds. Heavier pieces acceptable upon mutual agreement between buyer and seller.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Ebony

**Red brass turnings, borings:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of turnings from red brass composition material and should be sold subject to sample or analysis. Also includes borings.
Frequency:	Twice a month (approx. 1st & 15th)

**Cocks and faucets:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of mixed clean red and yellow brass, including chrome or nickel-plated, free of gas cocks, beer faucets, and aluminum and zinc base die cast material, and to contain a minimum of 35% semi-red.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Grape

**Brass pipe:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of brass pipe free of plated and soldered materials or pipes with cast brass connections. To be sound, clean pipes free of sediment and condenser tubes.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Melon

**Yellow brass solids:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of mixed yellow brass solids, including brass castings, rolled brass, rod brass, tubing and miscellaneous yellow brasses, including plated brass. Must be free of manganese-bronze, aluminum bronze, unsweated radiators or radiator parts, iron, and excessively dirty and corroded materials. Must also be free of any type of munitions including, but not limited to, bullet casings.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Honey

**Mixed yellow brass turnings, borings:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of yellow brass turnings, free of aluminum, manganese and composition turnings, not to contain over 3% of free iron, oil or other moisture; to be free of grindings and babbitts. To avoid dispute, to be sold subject to sample or analysis. Also includes borings.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Nomad

**Yellow brass rod ends:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of new, clean rod ends from free turning brass rods or forging rods, not to contain more than 0.30% tin and not more than 0.15% alloyed iron. To be free of Muntz metal and naval brass or any other alloys. To be in pieces not larger than 12 inches and free of foreign matter.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Noble

**Yellow brass rod turnings:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist strictly of rod turnings, free of aluminum, manganese, composition, Tobin and Muntz metal turnings; not to contain over 3% free iron, oil or other moisture; to be free of grindings and babbitts; to contain no more than 0.30% tin and not more than 0.15% alloyed iron.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Night

**70-30 brass clips:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of the cuttings of new unleaded yellow brass sheet or plate, to be clean and free from foreign substances and not to contain more than 10% of clean brass punching under ¼ inch. To be free of Muntz metal and naval brass.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Label

**Auto radiators (unsweated):**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of mixed automobile radiators, to be free of aluminum radiators, and iron-finned radiators. All radiators to be subject to deduction of actual iron. The tonnage specification should cover the gross weight of the radiators, unless otherwise specified.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Ocean

**High-grade bronze gears:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of red brass bushings and bearings from automobiles and other machinery, shall contain not less than 12% high tin-base babbitt, and shall be free of iron-backed bearings.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Elder

**High-grade low lead bronze:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)  
Location: US/Canada, specified city  
Pricing point: Dealer buying price, delivered to yard  
Quality: It is recommended these materials be sold by analysis.  
Frequency: Twice a month (approx. 1st & 15th)  
ISRI code: Eland

**Manganese bronze solids:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)  
Location: US/Canada, specified city  
Pricing point: Dealer buying price, delivered to yard  
Quality: Shall have a copper content of not less than 55%, a lead content of not more than 1%, and shall be free of aluminum bronze and silicon bronze.  
Frequency: Twice a month (approx. 1st & 15th)  
ISRI code: Parch

**Miscellaneous nickel-“silver” solids:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)  
Location: US/Canada, specified city  
Pricing point: Dealer buying price, delivered to yard  
Quality: Shall consist of new, clean nickel silver clippings, plate, rod and forgings, and other rolled shapes, free of chrome or any other plating material. Must be sold on nickel content specifications such as 10%–12%–15%– 18%–20%. Leaded nickel silver clippings should be packed and sold separately. A description as to its physical characteristics should be made in offering all nickel silver material.  
Frequency: Twice a month (approx. 1st & 15th)  
ISRI code: Major

**Manganese bronze turnings:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)  
Location: US/Canada, specified city  
Pricing point: Dealer buying price, delivered to yard  
Quality: Shall have a copper content of not less than 55%, a lead content of not more than 1%, and shall be free of aluminum bronze and silicon bronze.  
Frequency: Twice a month (approx. 1st & 15th)  
ISRI code: Parch

## Aluminum Scrap

**Segregated low copper alloy clips:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)  
Location: US/Canada, specified city  
Pricing point: Dealer buying price, delivered to yard  
Quality: Shall consist of new, clean, uncoated and unpainted aluminum scrap of one specified aluminum alloy with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other nonmetallic items. Oil and grease not to total more than 1%. Also free from punchings less than ½ inch (1.27 cm) in size.  
Frequency: Twice a month (approx. 1st & 15th)  
ISRI code: Tooth

**Mixed low copper alloy clips:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of new, clean, uncoated and unpainted low copper aluminum scrap of two or more alloys with a minimum thickness of 0.015 inches (.38 mm) and to be free of 2000 and 7000 series, hair wire, wire screen, punchings less ½ inch (1.25 cm) diameter, dirt, and other non-metallic items. Grease and oil not to total more than 1%. Variations to this specification should be agreed upon prior to shipment between the buyer and seller.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Taboo

**Mixed clips:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of new, clean, uncoated and unpainted aluminum scrap of two or more alloys with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other non-metallic items. Oil and grease not to total more than 1%
Frequency:	Twice a month (approx. 1st & 15th)

**Aluminum borings, turnings, clean and dry:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean, uncorroded aluminum borings and turnings of two or more alloys and subject to deductions for fines in excess of 3% through a 20 mesh screen and dirt, free iron, oil, moisture and all other non-metallic items. Material containing iron in excess of 10% and/or free magnesium or stainless steel or containing highly flammable cutting compounds will not constitute good delivery. To avoid dispute, material should be sold on basis of definite maximum zinc, tin and magnesium content.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Telic

**Old aluminum, sheet and cast:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean old alloy aluminum sheet of two or more alloys, free of foil, venetian blinds, castings, hair wire, screen wire, food or beverage containers, radiator shells, airplane sheet, bottle caps, plastic, dirt, and other non-metallic items. Oil and grease not to total more than 1%. Up to 10% Tale permitted.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Taint/Tabor

**Used beverage cans, clean and dry:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)

Location: US/Canada, specified city

Pricing point: Dealer buying price, delivered to yard

Quality: Shall have a minimum density of 14 pounds per cubic foot (225 kg/m<sup>3</sup>), and a maximum density of 17 pounds per cubic foot (273 kg/m<sup>3</sup>) for unflattened UBC and 22 pounds per cubic foot (353 kg/m<sup>3</sup>) for flattened UBC. Size: Minimum 30 cubic feet (.85 m<sup>3</sup>), with bale range dimensions of 24" to 40" (61 to 132 cm) by 30 inch to 52 inch (76 to 132 cm) by 40 inch to 84 inch (102 to 213 cm). The only acceptable tying method shall be as follows: four to six 5/8 inch (1.6 cm) x .020 inch (5 mm) steel bands, or six to ten #13 gauge steel wires (aluminum bands or wires are acceptable in equivalent strength and number). Use of skids and/or support sheets of any material is not acceptable. Must be magnetically separated material and free of steel, lead, bottle caps, plastic cans and other plastic, glass, wood, dirt, grease, trash, and other foreign substances. Any free lead is basis for rejection. Any and all aluminum items, other than used beverage cans, are not acceptable. Variations to this specification should be agreed upon prior to shipment between the buyer and seller.

Frequency: Twice a month (approx. 1st & 15th)

ISRI code: Taldon

**Industrial castings:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)

Location: US/Canada, specified city

Pricing point: Dealer buying price, delivered to yard

Quality: Shall consist of all clean aluminum castings which may contain auto and airplane castings but no ingots, and to be free of iron, brass, dirt and other non-metallic items. Oil and grease not to total more than 2%.

Frequency: Twice a month (approx. 1st & 15th)

ISRI code: Tense

**63S aluminum solids:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)

Location: US/Canada, specified city

Pricing point: Dealer buying price, delivered to yard

Quality: Shall consist of new, clean, uncoated and unpainted aluminum scrap of two or more alloys with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other non-metallic items. Oil and grease not to total more than 1%. Also free from punchings less than 1/2 inch (1.27 cm) in size.

Frequency: Twice a month (approx. 1st & 15th)

ISRI code: Tough

**75S aluminum clips:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)

Location: US/Canada, specified city

Pricing point: Dealer buying price, delivered to yard

Quality: Shall consist of new, clean, uncoated and unpainted aluminum scrap of one specified aluminum alloy with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other nonmetallic items. Oil and grease not to total more than 1%. Also free from punchings less than 1/2 inch (1.27 cm) in size.

Frequency: Twice a month (approx. 1st & 15th)

ISRI code: Tooth

**75S borings, turnings, as is:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of aluminum borings and turnings of one specified alloy. Material should be free of oxidation, dirt, free iron, stainless steel, magnesium, oil, flammable liquids, moisture and other non-metallic items. Fines should not exceed 3% through a 20 mesh (U.S. standard) screen.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Teens
<b>Aluminum utensils:</b>	
Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean old alloy aluminum sheet of two or more alloys, free of foil, venetian blinds, castings, hair wire, screen wire, food or beverage containers, radiator shells, airplane sheet, bottle caps, plastic, dirt, and other non-metallic items. Oil and grease not to total more than 1%. Up to 10% Tale permitted.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Taint/Tabor
<b>Painted aluminum siding:</b>	
Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean, low copper aluminum siding scrap, painted one or two sides, free of plastic coating, iron, dirt, corrosion, fiber, foam, or fiberglass backing or other non-metallic items.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Tale
<b>Litho sheets:</b>	
Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	To consist of 1000 and/or 3000 series alloys, to be free of paper, plastic, excessively inked sheets, and any other contaminants. Minimum size of 3 inches (8 cm) in any direction.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Tablet
<b>Lead Scrap</b>	
<b>Heavy soft lead:</b>	
Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean soft scrap lead, free of other materials such as drosses, battery plates, lead covered cable, hard lead, collapsible tubes, foil, type metals, aluminum, zinc, iron and brass fittings, dirty chemical lead and radioactive materials. Review packaging specifications and regulatory status pertaining to shipping with buyer prior to sale.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Racks

**Mixed hard lead:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean lead solids, free of other materials, such as drosses, battery plates, lead covered cable, collapsible tubes, type metals, aluminum, zinc, iron and brass fittings, dirty chemical lead and radioactive materials. Review packaging specifications and regulatory status pertaining to shipping with buyer prior to sale.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Radio

**Undrained, whole old batteries:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Consisting of SLI (starting, lighting & ignition), automotive, truck, 8-D and commercial golf cart and marine-type batteries. Cases to be either plastic or rubber and to be complete. Non-lead (i.e., ni-cad, ni-fe, carbonaire, etc.) not acceptable. Other types i.e. aircraft (aluminum) gel-cel, lawnmower, etc., and partial, cracked or broken batteries or batteries without caps and the amount of liquid content and any variations to the specification subject to special agreement. Review packaging specifications and regulatory status pertaining to shipping with buyer prior to sale.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Rink

**Wheel weights:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	To consist of lead tire balances with or without iron clips. Not to include scrap lead, lugs or plates unless specifically agreed to. To be free of foreign material. Review packaging specifications and regulatory status pertaining to shipping with buyer prior to sale.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Ropes

## Zinc Scrap

**New zinc die cast:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of new or unused, clean, zinc base die castings. Castings to be unplated, unpainted, and free from corrosion.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Scabs

**Old zinc die cast:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of miscellaneous old zinc base die castings, with or without iron and other foreign attachments. Must be free of borings, turnings, dross pieces, chunks, melted pieces and skimmings. All unmeltables, dirt, foreign attachments, and volatile substances (such as rubber, cork, plastic, grease, etc.) are deductible. Material containing in excess of 30% iron will not constitute good delivery.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Saves

**Old zinc scrap:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean dry scrap zinc, such as sheets, jar lids, clean unalloyed castings and anti-corrosion plates. Borings and turnings are not acceptable. Material must not be excessively corroded or oxidized. All foreign attachments and extraneous materials are deductible.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Score

**Zinc die cast automotive grilles:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean, old or used zinc base die cast automotive grilles, free from soldered material. All foreign attachments and extraneous materials are deductible.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Scout

## Nickel Scrap

**New nickel clips and solids:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Shall consist of clean new sheet, plate, bar, tube, and any other wrought nickel scrap solids. Nickel min. 99.00%, cobalt max. 0.25%, copper max. 0.50%. Free of castings, as well as any foreign attachments or other contamination.
Frequency:	Twice a month (approx. 1st & 15th)
ISRI code:	Radio

**Nickel turnings:**

Currency and unit:	US cents per pound (Canadian cities prices are in local currency)
Location:	US/Canada, specified city
Pricing point:	Dealer buying price, delivered to yard
Quality:	Nickel min. 99.00%, cobalt max. 0.25%, copper max. 0.50%
Frequency:	Twice a month (approx. 1st & 15th)

**New nickel-copper alloy clips and solids:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)  
Location: US/Canada, specified city  
Pricing point: Dealer buying price, delivered to yard  
Quality: Shall consist of new, clean R and K-Monel solids and clippings. Free of cast material, foreign attachments and all other contamination.  
Frequency: Twice a month (approx. 1st & 15th)  
ISRI code: House

**New nickel-copper alloy turnings and shavings:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)  
Location: US/Canada, specified city  
Pricing point: Dealer buying price, delivered to yard  
Quality: Shall consist of mixed Monel turnings and borings containing a minimum of 60.00% nickel content, on a dry basis.  
Frequency: Twice a month (approx. 1st & 15th)  
ISRI code: Lemur

**Nickel-copper alloy castings:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)  
Location: US/Canada, specified city  
Pricing point: Dealer buying price, delivered to yard  
Quality: Shall consist of various types of clean Monel castings, assaying minimum 60.00% nickel. Must be free of foreign attachments or any other contamination.  
Frequency: Twice a month (approx. 1st & 15th)  
ISRI code: Lemon

**Nickel-chrome-iron alloy solids:**

Currency and unit: US cents per pound (Canadian cities prices are in local currency)  
Location: US/Canada, specified city  
Pricing point: Dealer buying price, delivered to yard  
Quality: Nickel 76.00%, chromium 15.50%, iron 8.00%  
Frequency: Twice a month (approx. 1st & 15th)

## Secondary Smelters Aluminum Scrap

### **Mixed low copper clips:**

Unit and Currency:	US cents per pound
Location:	US Midwest
Pricing point:	Buying price, delivered to smelters
Quality:	Shall consist of new, clean, uncoated and unpainted low copper aluminum scrap of two or more alloys with a minimum thickness of 0.015 inches (.38 mm) and to be free of 2000 and 7000 series, hair wire, wire screen, punchings less ½ inch (1.25 cm) diameter, dirt, and other non-metallic items. Grease and oil not to total more than 1%. Variations to this specification should be agreed upon prior to shipment between the buyer and seller.
Frequency:	Twice a week, every Monday and Thursday
ISRI code:	Taboo

### **Mixed high copper clips:**

Unit and Currency:	US cents per pound
Location:	US Midwest
Pricing point:	Buying price, delivered to smelters
Quality:	Shall consist of new, clean, uncoated and unpainted aluminum scrap of two or more alloys in 2000-series with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other non-metallic items. Oil and grease not to total more than 1%
Frequency:	Twice a week, every Monday and Thursday
ISRI code:	Score

### **Mixed high zinc clips:**

Unit and Currency:	US cents per pound
Location:	US Midwest
Pricing point:	Buying price, delivered to smelters
Quality:	Shall consist of new, clean, uncoated and unpainted aluminum scrap of two or more alloys in 7000-series with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other non-metallic items. Oil and grease not to total more than 1%
Frequency:	Twice a week, every Monday and Thursday

### **1-1-3 sows:**

Unit and Currency:	US cents per pound
Location:	US Midwest
Pricing point:	Buying price, delivered to smelters
Quality:	Shall consist of aluminum scrap which has been sweated or melted into a form or shape such as an ingot, sow or slab for convenience in shipping; to be free from corrosion, dross or any non-aluminum inclusions. Should be sold subject to sample or analysis.
Frequency:	Twice a week, every Monday and Thursday
ISRI code:	Throb

<b>Siding, painted:</b>	
Unit and Currency:	US cents per pound
Location:	US Midwest
Pricing point:	Buying price, delivered to smelters
Quality:	Shall consist of clean, low copper aluminum siding scrap, painted one or two sides, free of plastic coating, iron, dirt, corrosion, fiber, foam, or fiberglass backing or other non-metallic items.
Frequency:	Twice a week, every Monday and Thursday
ISRI code:	Tale
<b>Mixed clips:</b>	
Unit and Currency:	US cents per pound
Location:	US Midwest
Pricing point:	Buying price, delivered to smelters
Quality:	Shall consist of new, clean, uncoated and unpainted aluminum scrap of two or more alloys with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other non-metallic items. Oil and grease not to total more than 1%
Frequency:	Twice a week, every Monday and Thursday
<b>Old sheet:</b>	
Unit and Currency:	US cents per pound
Location:	US Midwest
Pricing point:	Buying price, delivered to smelters
Quality:	Shall consist of clean old alloy aluminum sheet of two or more alloys, free of foil, venetian blinds, castings, hair wire, screen wire, food or beverage containers, radiator shells, airplane sheet, bottle caps, plastic, dirt, and other non-metallic items. Oil and grease not to total more than 1%. Up to 10% Tale permitted.
Frequency:	Twice a week, every Monday and Thursday
ISRI code:	Taint/Tabor
<b>Old cast:</b>	
Unit and Currency:	US cents per pound
Location:	US Midwest
Pricing point:	Buying price, delivered to smelters
Quality:	Aluminum castings for consumption by secondary aluminum smelters, crushed cast, shreddable, less than 1% magnesium and zinc, low iron, low contamination; minimum recovery rate 92%
Frequency:	Twice a week, every Monday and Thursday
<b>Turnings, clean and dry, high grade:</b>	
Unit and Currency:	US cents per pound
Location:	US Midwest
Pricing point:	Buying price, delivered to smelters
Quality:	Zinc max. 1.5%. Shall consist of clean, uncorroded aluminum borings and turnings of two or more alloys and subject to deductions for fines in excess of 3% through a 20 mesh screen and dirt, free iron, oil, moisture and all other non-metallic items. Material containing iron in excess of 10% and/or free magnesium or stainless steel or containing highly flammable cutting compounds will not constitute good delivery. To avoid dispute, material should be sold on basis of definite maximum zinc, tin and magnesium content.
Frequency:	Twice a week, every Monday and Thursday

**Turnings, clean and dry, mixed grade:**

Unit and Currency: US cents per pound  
Location: US Midwest  
Pricing point: Buying price, delivered to smelters  
Quality: Zinc max. 5%. Shall consist of clean, uncorroded aluminum borings and turnings of two or more alloys and subject to deductions for fines in excess of 3% through a 20 mesh screen and dirt, free iron, oil, moisture and all other non-metallic items. Material containing iron in excess of 10% and/ or free magnesium or stainless steel or containing highly flammable cutting compounds will not constitute good delivery. To avoid dispute, material should be sold on basis of definite maximum zinc, tin and magnesium content.  
Frequency: Twice a week, every Monday and Thursday

**Aluminum-copper radiators:**

Unit and Currency: US cents per pound  
Location: US Midwest  
Pricing point: Buying price, delivered to smelters  
Quality: Shall consist of clean aluminum and copper radiators, and/or aluminum fins on copper tubing, free of brass tubing, iron and other foreign contamination.  
Frequency: Twice a week, every Monday and Thursday

**Nonferrous auto shred (90% aluminum):**

Unit and Currency: US cents per pound  
Location: US Midwest  
Pricing point: Buying price, delivered to smelters  
Quality: Derived from wet or dry media separation device, the material must be dry and not contain more than 1% maximum free zinc, 1% maximum free magnesium, and 1% maximum of analytical iron. Not to contain more than a total 2% maximum of non-metallics, of which no more than 1% shall be rubber and plastics. To be free of excessively oxidized material, air bag canisters, or any sealed or pressurized items. Any variation to be sold by special arrangement between buyer and seller.  
Frequency: Twice a week, every Monday and Thursday  
ISRI code: Twitch

**Used beverage can scrap:**

Unit and Currency: US cents per pound  
Pricing point: f.o.b. shipping point  
Quality: Shall have a minimum density of 14 pounds per cubic foot (225 kg/m<sup>3</sup>), and a maximum density of 17 pounds per cubic foot (273 kg/m<sup>3</sup>) for unflattened UBC and 22 pounds per cubic foot (353 kg/m<sup>3</sup>) for Guidelines for Nonferrous Scrap Code Item Code Item flattened UBC. Size: Minimum 30 cubic feet (.85 m<sup>3</sup>), with bale range dimensions of 24" to 40" (61 to 132 cm) by 30" to 52" (76 to 132 cm) by 40" to 84"(102 to 213 cm). The only acceptable tying method shall be as follows: four to six 5/8" (1.6 cm) x .020" (5 mm) steel bands, or six to ten #13 gauge steel wires (aluminum bands or wires are acceptable in equivalent strength and number). Use of skids and/ or support sheets of any material is not acceptable. Must be magnetically separated material and free of steel, lead, bottle caps, plastic cans and other plastic, glass, wood, dirt, grease, trash, and other foreign substances. Any free lead is basis for rejection. Any and all aluminum items, other than used beverage cans, are not acceptable. Variations to this specification should be agreed upon prior to shipment between the buyer and seller.  
Frequency: Twice a week, every Monday and Thursday  
ISRI code: Taldon

**Segregated low copper alloy clips: 5052:**

Unit and Currency: US cents per pound  
 Pricing point: Delivered  
 Quality: 5052 alloy scrap only. Shall consist of new, clean, uncoated and unpainted aluminum scrap of one specified aluminum alloy with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other nonmetallic items. Oil and grease not to total more than 1%. Also free from punchings less than ½ inch (1.27 cm) in size.  
 Frequency: Twice a week, every Monday and Thursday  
 ISRI code: Tooth

**Segregated low copper alloy clips: 3105:**

Unit and Currency: US cents per pound  
 Pricing point: Delivered  
 Quality: 3105 alloy scrap only. Shall consist of new, clean, uncoated and unpainted aluminum scrap of one specified aluminum alloy with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other nonmetallic items. Oil and grease not to total more than 1%. Also free from punchings less than ½ inch (1.27 cm) in size.  
 Frequency: Twice a week, every Monday and Thursday  
 ISRI code: Tooth

**Mixed low copper alloy clips:**

Unit and Currency: US cents per pound  
 Pricing point: Delivered  
 Quality: Shall consist of new, clean, uncoated and unpainted aluminum scrap of two or more alloys with a minimum thickness of .015 inch (.38 mm) and to be free of hair wire, wire screen, dirt and other non-metallic items. Oil and grease not to total more than 1%. Also free from punchings less than ½ inch (1.27 cm) in size.  
 Frequency: Twice a week, every Monday and Thursday  
 ISRI code: Tough

**Painted siding:**

Unit and Currency: US cents per pound  
 Pricing point: Delivered  
 Quality: Shall consist of new clean, low copper aluminum siding scrap, painted one side ONLY, free of iron, dirt, corrosion, fiber backing, pastisol and any other foreign contamination.  
 Frequency: Twice a week, every Monday and Thursday

**Brass Mill Copper Scrap**

**Brass mill No. 1 copper:**

Unit and Currency: US cents per pound  
 Pricing point: Delivered  
 Quality: Shall consist of No. 1 bare, uncoated, unalloyed copper wire, not smaller than No. 16 B & S wire gauge. Green copper wire and hydraulically compacted material to be subject to agreement between buyer and seller.  
 Frequency: Weekly. Every Wednesday  
 ISRI code: Barley

## Refiners' Copper Scrap

### Refiners' copper No. 1:

Unit and Currency:	US cents per pound
Pricing point:	Delivered
Quality:	Shall consist of clean, untinned, uncoated, unalloyed copper wire and cable, not smaller than No. 16 B & S wire gauge, free of burnt wire which is brittle. Hydraulically briquetted copper subject to agreement.
Frequency:	Weekly. Every Wednesday
ISRI code:	Berry

### Refiners' copper No. 2:

Unit and Currency:	US cents per pound
Pricing point:	Delivered
Quality:	Shall consist of miscellaneous, unalloyed copper wire having a nominal 96% copper content (min. 94%) as determined by electrolytic assay. Should be free of the following: Excessively leaded, tinned, soldered copper wire; brass and bronze wire; excessive oil content, iron, and non-metallics; copper wire from burning, containing insulation; hair wire; burnt wire which is brittle; and should be reasonably free of ash. Hydraulically briquetted copper subject to agreement.
Frequency:	Weekly. Every Wednesday
ISRI code:	Birch

## Brass Ingot Makers' Copper Scrap

### Brass Ingot Makers' No. 1 bare bright:

Unit and Currency:	US cents per pound
Pricing point:	Delivered buyers' works
Quality:	Shall consist of No. 1 bare, uncoated, unalloyed copper wire, not smaller than No. 16 B & S wire gauge. Green copper wire and hydraulically compacted material to be subject to agreement between buyer and seller.
Frequency:	Weekly. Every Wednesday
ISRI code:	Barley

### Brass Ingot Makers' No. 1:

Unit and Currency:	US cents per pound
Pricing point:	Delivered buyers' works
Quality:	Shall consist of clean, unalloyed, uncoated copper clippings, punchings, bus bars, commutator segments, and wire not less than 1/16 of an inch thick, free of burnt wire which is brittle; but may include clean copper tubing. Hydraulically briquetted copper subject to agreement.
Frequency:	Weekly. Every Wednesday
ISRI code:	Candy

### Brass Ingot Makers' No. 2:

Unit and Currency:	US cents per pound
Pricing point:	Delivered buyers' works
Quality:	Shall consist of miscellaneous, unalloyed copper wire having a nominal 96% copper content (min. 94%) as determined by electrolytic assay. Should be free of the following: Excessively leaded, tinned, soldered copper wire; brass and bronze wire; excessive oil content, iron, and non-metallics; copper wire from burning, containing insulation; hair wire; burnt wire which is brittle; and should be reasonably free of ash. Hydraulically briquetted copper subject to agreement.
Frequency:	Weekly. Every Wednesday
ISRI code:	Birch

**Brass Ingot Makers' light copper:**

Unit and Currency: US cents per pound

Pricing point: Delivered buyers' works

Quality: Shall consist of miscellaneous, unalloyed copper scrap having a nominal 92% copper content (min. 88%) as determined by electrolytic assay and shall consist of sheet copper, gutters, downspouts, kettles, boilers, and similar scrap. Should be free of the following: Burnt hair wire; copper clad; plating racks; grindings; copper wire from burning, containing insulation; radiators and fire extinguishers; refrigerator units; electrotype shells; screening; excessively leaded, tinned, soldered scrap; brasses and bronzes; excessive oil, iron and non-metallics; and should be reasonably free of ash. Hydraulically briquetted copper subject to agreement. Any items excluded in this grade are also excluded in the higher grades above.

Frequency: Weekly. Every Wednesday

**Brass Ingot Makers' No. 1 comp. solids:**

Unit and Currency: US cents per pound

Pricing point: Delivered buyers' works

Quality: Shall consist of red brass scrap, valves, machinery bearings and other machinery parts, including miscellaneous castings made of copper, tin, zinc, and/or lead. Shall be free of semi-red brass castings (78% to 81% copper); railroad car boxes and other similar high-lead alloys; cocks and faucets; closed water meters; gates; pot pieces; ingots and burned brass; aluminum, silicon, and manganese bronzes; iron and non-metallics. No piece to measure more than 12 inches over any one part or weigh over 100 lbs. Heavier pieces acceptable upon mutual agreement between buyer and seller.

Frequency: Weekly. Every Wednesday

ISRI code: Ebony

**Brass Ingot Makers' comp., borings, turnings:**

Unit and Currency: US cents per pound

Pricing point: Delivered buyers' works

Quality: Shall consist of turnings from red brass composition material and should be sold subject to sample or analysis.

Frequency: Weekly. Every Wednesday

ISRI code: Enerv

**Brass Ingot Makers' radiators:**

Unit and Currency: US cents per pound

Pricing point: Delivered buyers' works

Quality: Shall consist of mixed automobile radiators, to be free of aluminum radiators, and iron-finned radiators. All radiators to be subject to deduction of actual iron. The tonnage specification should cover the gross weight of the radiators, unless otherwise specified.

Frequency: Weekly. Every Wednesday

ISRI code: Ocean

**Brass Ingot Makers' yellow brass solids:**

Unit and Currency: US cents per pound

Pricing point: Delivered buyers' works

Quality: Shall consist of mixed yellow brass solids, including brass castings, rolled brass, rod brass, tubing and miscellaneous yellow brasses, including plated brass. Must be free of manganese-bronze, aluminum bronze, unsweated radiators or radiator parts, iron, and excessively dirty and corroded materials. Must also be free of any type of munitions including, but not limited to, bullet casings.

Frequency: Weekly. Every Wednesday

ISRI code: Honey

## Smelters' Lead Scrap

### Scrap lead:

Unit and Currency:	US dollars per hundredweight
Pricing point:	Delivered to smelter
Quality:	Shall consist of clean lead solids, free of other materials, such as drosses, battery plates, lead covered cable, collapsible tubes, type metals, aluminum, zinc, iron and brass fittings, dirty chemical lead and radioactive materials. Review packaging specifications and regulatory status pertaining to shipping with buyer prior to sale.
Frequency:	Every two weeks. Tuesday
ISRI code:	Radio

### Remelt lead:

Unit and Currency:	US dollars per hundredweight
Pricing point:	Delivered to smelter
Quality:	Shall consist of clean soft scrap lead, free of other materials such as drosses, battery plates, lead covered cable, hard lead, collapsible tubes, foil, type metals, aluminum, zinc, iron and brass fittings, dirty chemical lead and radioactive materials. Review packaging specifications and regulatory status pertaining to shipping with buyer prior to sale.
Frequency:	Every two weeks. Tuesday
ISRI code:	Racks

### Whole batteries:

Unit and Currency:	US dollars per hundredweight
Pricing point:	Delivered to smelter
Quality:	Consisting of SLI (starting, lighting & ignition), automotive, truck, 8-D and commercial golf cart and marine-type batteries. Cases to be either plastic or rubber and to be complete. Non-lead (i.e., ni-cad, ni-fe, carbonaire, etc.) not acceptable. Other types i.e. aircraft (aluminum) gel-cel, lawnmower, etc., and partial, cracked or broken batteries or batteries without caps and the amount of liquid content and any variations to the specification subject to special agreement. Review packaging specifications and regulatory status pertaining to shipping with buyer prior to sale.
Frequency:	Every two weeks. Tuesday
ISRI code:	Rink

### Cable lead:

Unit and Currency:	US dollars per hundredweight
Pricing point:	Delivered to smelter
Quality:	Free of armored covered cable, and foreign material.
Frequency:	Every two weeks. Tuesday
ISRI code:	Relay

## Smelters' Zinc Scrap

### New zinc clippings:

Unit and Currency:	US cents per pound
Pricing point:	Delivered
Quality:	Shall consist of any new pure zinc sheets or stampings free from corrosion. To contain no foreign material or attachments. Printers zinc, such as engravers zinc, lithograph sheets and addressograph plates subject to special arrangements. Printers zinc to be free of routings.
Frequency:	Every two weeks. Tuesday
ISRI code:	Screen

**Old zinc (clean):**

Unit and Currency: US cents per pound

Pricing point: Delivered

Quality: Shall consist of clean dry scrap zinc, such as sheets, jar lids, clean unalloyed castings and anti-corrosion plates. Borings and turnings are not acceptable. Material must not be excessively corroded or oxidized. All foreign attachments and extraneous materials are deductible.

Frequency: Every two weeks. Tuesday

ISRI code: Score

**Galvanizers' dross:**

Unit and Currency: US cents per pound

Pricing point: Delivered

Quality: Shall consist of unsweated zinc dross removed from the top of a continuous line galvanizing bath, in slab form not weighing in excess of 100 pounds each, with a minimum zinc content of 90%. Heavier pieces acceptable upon mutual agreement between buyer and seller. Shall be free of skimmings. Broken pieces under 2 inches in diameter shall not exceed 10% of the weight of each shipment.

Frequency: Every two weeks. Tuesday

ISRI code: Seal

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