

Is There A Better Bag?

As we approach the second anniversary of China's National Sword policy, effectively halting the export of "mixed" recyclables, business and industry are waking to the new reality. In the last few weeks alone, two of the nation's largest waste haulers announced they will no longer pursue foreign markets. Similarly, the American Beverage Association recently announced their Every Bottle Back initiative. According to the press release, commitments include:

- Working with World Wildlife Fund ReSource: Plastic to reduce our plastic footprint
- Investing through The Recycling Partnership and Closed Loop Partners to modernize the recycling infrastructure in communities across the country
- Increasing awareness about the value of our 100% recyclable plastic bottles
- Introducing voluntary messaging on packages about our 100% recyclable plastic bottles and caps

Now that industry is paying attention, the choices we make are more important than ever. So what exactly are our options - both in terms of materials used, and whether single-use or reusable products are best? How do we measure performance, not to mention impact on our natural resources? Unfortunately, the an-

swers are exceedingly complicated, vary depending on use, and contingent on who you talk to.

Take a plunge down the rabbit hole of the great plastic shopping bag debate for example, and your head may just start spinning. On one side are those who feel passionately that such bags are the bane of modern existence - so much so that California and hundreds of municipalities, have banned their use entirely. Six additional states have passed legislation to do so in 2020. Others argue that such steps are ill-conceived, and have passed legislation barring local governments in their states from following suit.

So what is the truth about plastic grocery bags? What alternatives, if any, are better for the environment, and by what measure can we make such a determination? A 2018 study by Miljostyrelsen, the Danish equivalent of EPA, attempts to answer these questions with a cradle-to-grave Life Cycle Assessment (LCA) comparing numerous materials. Essentially a way to analyze materials from raw extraction, through processing, manufacture, distribution, use, and disposal, LCAs strive to determine a material's lifelong environmental impact.

Here, in part, is what they found. In order to have the same overall

environmental impact as a simple LDPE grocery bag, reused once as an in-home trashcan liner (so 2 uses), other materials would have to be used the following number of times:

Material	# of Uses
Simple LDPE	2
Non-woven PP	52
Woven PP	45
Recycled PET	84
Polyester PET	35
Biopolymer	42
Unbleached Paper	43
Conventional Cotton	7,100
Organic Cotton	20,000

Yes, you read that right - in order for an organic cotton bag to have the same environmental impact as a LDPE bag used twice, the study found it would have to be used once a day, every day, for some 55 years. Even more astounding, the argument can be made that LDPE grocery bags actually have the lowest environmental footprint of any material studied. Hard to believe, isn't it? So hard in fact, that at least 3 different criticisms of LCA parameters used in the study can readily be found online.

Each make an argument that reduce margins to varying degrees, but none are able to get the use numbers for paper and cotton to a point where they can be considered environmentally

THE NEBRASKA MATERIALS
EXCHANGE PROGRAM
IS MANAGED BY:

KEEP NEBRASKA BEAUTIFUL
3201 PIONEERS BLVD.,
SUITE 118
LINCOLN, NE 68502
402.486.4622
EMAIL: INFO@KNB.ORG
WEBSITE: <WWW.KNB.ORG>

MEAGAN DEICHERT
President & CEO

PETER STADIG
Program Manager

Board of Directors

MIKE BASSETT
Blair

MATT BOERKIRCHER
Aurora

RAE BROWN
Wayne

DICK COFFEY
Omaha

ANDREW FEREDAY
Omaha

JOCELYN GOLDEN
Lincoln

MATT GUTZMANN
Blair

TERRY HAWLEY
Omaha

ADAM HOEBELHEINRICH
Lincoln

JUSTIN KING
Columbus

TORY KORT
Hastings

MIKE LINDER
Omaha

CHAD MARDESEN
Lincoln

MIKE MILLER
Omaha

STEVE MOSSMAN
Lincoln

EDIE RYBA
Columbus

KIM WIESE
Lincoln

JEFF WITT
Lincoln

EX-OFFICIO MEMBERS

PETE RICKETTS
Governor of Nebraska

JIM MACY
Director, NE DEQ

PAUL O'HARA
Emeritus

friendly alternatives. One such adjustment brought unbleached paper bags down to seven uses, but it's difficult to imagine one lasting even that long. All told, PP (polypropylene or #5) and PET (polyethylene terephthalate or #1) bags seem to be the real winners, since weekly use for anything longer than a year, shows a clear and shrinking impact.

For those who simply can't wrap their brain around the poor performance of cotton, a deep dive by Parkpoom Kometsopha writing for medium.com, found that the numbers basically come down to assumptions about ozone depletion caused by coal fueled electricity usage during irrigation, coupled with lower yields for organic. Substitute renewable energy sources, he argues, and those numbers drop to at most 1,400 uses for regular cotton, and 3,800 uses for organic. That's still a prohibitive number, and similar adjustments would then need to be made for the other materials as well, sending the entire process back to the drawing board.

Miljostyrelsen also assumed a world where proper disposal is rigidly adhered to. Each bag, regardless of material, was assumed to either be landfilled or incinerated at the end of its life. That's all fine and good for determining a laboratory baseline, but the idea that we'll ever live in a world in which 500 billion - 1 trillion LDPE bags are properly disposed of each year, simply isn't realistic. Account for even a 1 percent deviation in end-of-life management, or a mere 10 billion bags let loose on the environment, and who knows what effect that would have on the data.

With controls so responsive to adjustment, what real world value do such comparisons actually have? Can I

justify my own use of LDPE bags as long as I take them back to the store for recycling, or ensure they end up in the landfill with my household trash? Or does my continued use, proper though it may be, have a connection to the bags I see stuck in a tree, blowing down the street, or washed up on some distant beach?

Conversely, what happens when we do get rid of LDPE grocery bags? Do sales of trashcan liners then rise to meet demand, and are bigger, stronger bags purchased in their place? Early data out of California suggests not, but may simply reflect a short-term change that inevitably skews toward convenience over time. That said, while Miljostyrelsen's study may not have all the answers, it does point us in the direction of reusable plastics or biopolymers, and further suggests that real world solutions work best when each of us follow through as individuals for the betterment of all.

Oh, and for those still agape at the horrendous showing of cotton, and find themselves wondering how to justify their continued use, FEAR NOT! No matter how many times you use a given bag, regardless of the material you replace it with, the most efficient bag you'll ever use or reuse, is the one you already have! Thanks to its durability, that's especially true of cotton, which will likely last far longer than any of the synthetic options - even if you never reach the LCA use mark. There are a host of ways to use them too - as an overnight or pool bag for the kids, not to mention winter storage of such items. They also make a great stuff-sack or camping bag, and the next time you go to the mall, remember that the grocery store isn't the only place to bring your reusable bags - the local big box or department store variety should be replaced as well!

Material	Qty.	ID#
Highlighted Items		
Seeking		
Buckets - 5 gal w/ Lids	any/any	Brad-9418
Cardboard & Paperboard	any/any	NoPl-9403
CD's & DVD's	any/any	Grls-9367
Compost - Commercial	any/any	Ashl-9316
Compost - Commercial	any/any	Firt-9318
Compost/ Soil	any/any	Linc-9445
Computers & Electronics Scrap	any/any	NoPl-9401
Crates - Various Sizes	any/any	NoPl-9400
Decibel Meter - Conn Dynalevel 1/1x		Linc-9435
Doors - Interior	ns/any	Linc-9303
Doors - Interior	ns/any	Alli-9304
Gardening Tools	any/any	Linc-9444
Gaylords - Various Sizes	any/any	NoPl-9400
Glass - Recyclable	any/any	Linc-9390
HDPE Pipe & Tubing	any/any	NoPl-9404
IBC Polytotes - 250 gal	any/any	NoPl-9400
Metals - Cans, Tin & Aluminum	any/any	NoPl-9402
Metals - Various Nonferrous	any/any	NoPl-9402
Mulch	any/any	Linc-9446
Office Equipment & Furniture	any/any	Waco-9409
Office Equipment & Furniture	any/any	Roca-9484
Office Supplies	any/any	Wave-9410
Office Supplies	any/any	Roca-9485
Pallets - Wood or Plastic	any/any	NoPl-9400
Paper, Office PAK	any/any	NoPl-9403
Plastic - #1 & #2	any/any	NoPl-9404
PVC Irrigation Pipe & Siding	any/any	NoPl-9404
Sawdust, Cut-offs etc	any/any	Gret-9395
School Equipment & Furniture	any/any	Kear-9341
School Equipment & Furniture	any/any	Lyon-9350
School Equipment & Furniture	any/any	Banc-9354
School Equipment & Furniture	any/any	Wilb-9357
School Equipment & Furniture	any/any	Orch-9510
School Supplies	any/any	Kear-9342
School Supplies	any/any	Lyon-9351
School Supplies	any/any	Banc-9355
School Supplies	any/any	Wilb-9358
School Supplies	any/any	Orch-9511
Styrofoam - Scraps	any/any	Beat-9521
Telephone & Computer Systems	any/any	York-9460
Generating		
Bags - Various Sizes	several/og	Linc-9470
Bags - Burlap	150/mo	NoPl-9501
Cardboard	ns/ns	Norf-9517
Compost - Bagged	any/any	Ashl-9317
Compost - Bagged	any/any	Firt-9319
Compost	ns/ongoing	Omah-9384
Gaylord Boxes	lg qty/mo	NoPl-9501
Laminated Particle Board Scrap	2 dmpr/wk	Omah-9394
Polytotes - 225 - 345 gal	55/mo	NoPl-9501
Sawdust	400cu/ft/mo	Omah-9392
Super Sacks	150/mo	NoPl-9501

Material	Qty.	ID#
Ag Products		
Seeking		
Antlers, Skins, Hides etc	ns/ns	Whit-7242
Grass Clippings	any/any	Beat-7206
Manure/Fertilizer	ns/ns	Omah-8159
Organic Material	any/any	PICe-8193
Generating		
Horse Manure w/ Wood Chips	1ton/wk	Vall-5254
Horse Manure	1ton/wk	Roca-7271
Chemicals		
Seeking		
Acids - All	any/any	Linc-2439
Acids - All	any/any	ABKS-6774
Acids - Boric	ns/ns	Linc-1825
Acid - Hydrochloric	any/any	Beat-9046
Chemicals - Various	any/any	Omah-3513
Chemicals - Various	lg qty/ns	BRIN-5319
Chemicals - Various	any/any	Linc-6293
Chemicals - Various	any/any	TIIA-6598
Chemicals - Various	any/any	Kear-6681
Chemicals - Various	any/any	Hast-7020
Chemicals - Various	any/any	ARCO-8852
Manganese Sulfate	any/any	Omah-9158
Sodium Hydroxide - Pellets/Liquid	any/any	Linc-1883
Zinc Acetate Dihydrate	any/any	Omah-9158
Generating		
Carbon - Granular, Wet Activated	50 lb/1x	Grls-6817
Chromium Hydroxide	1-2 t/wk	xxxx-4681
Sodium Metal - raw powder	400 lb/mo	Kear-8844
Construction Materials		
Seeking		
2x4's & Plywood for Shelving	any/any	Linc-8223
Brick, Block, Limestone	any/any	Linc-3120
Brick	any/any	Tecu-8615
Brick	any/any	Linc-8616
Bldg Mat'l - Insulation, Siding	any/any	Linc-3139
Bldg Mat'l - Doors, windows etc	any/any	Omah-3319
Bldg Mat'l - 2x4's, Plywood	any/any	Vall-6545
Bldg Mat'l - General	any/any	Walt-8458
Ceiling/Flooring Tiles, Carpet	any/any	Grls-6258
Doors & Windows	any/any	Beat-6945
Glass Block	any/any	Onei-8713
Light Fixtures	any/any	Omah-7330
Light Fixtures	any/any	Linc-7332
Light Fixtures	any/any	Hold-7341
Lumber	any/any	Linc-7031
OSB/Plywood Scrap	any/any	Blai-7428
OSB/Plywood Scrap - 12"x12"+	any/any	Omah-7849
Tiles - 3/4"-1", Adhesive & Grout	500/1x	Blai-8400
Generating		
Lumber Scrap -less than 20" long	ns/ns	Omah-8327

Material	Qty.	ID#	Material	Qty.	ID#
<u>Containers & Pallets</u>			<u>Durables & Electronics</u>		
Seeking			Seeking		
Bags - Burlap, Zip-Lock	ns/ns	PI Da-5994	Audio/Visual Equipment -all	any/any	Om ah-6365
Bags - Burlap	ns/ns	No PI-8461	Computers & Electronic Scrap	any/any	Om ah-2915
Bags - Trash, all sizes	ns/ns	Om ah-7573	Computers & Electronic Scrap	any/any	Linc-5978
Bags - Paper /Plastic	any/any	Om ah-4979	Computers & Electronic Scrap	any/any	Kear-7258
Bags - Plastic Grocery	900/1x	Gr ls-9082	Computers & Accs - Working	any/any	Om ah-2622
Bags - Zip-Lock, Food Grade	any/any	Linc-6308	Computers & Accs - Working	any/any	Beat-3658
Bags - Zip-Lock	ns/ns	Whit-7243	Computers & Accs - Working	any/any	Linc-5532
Boxes - Medium Shipping	any/any	Linc-6885	Computers & Accs - Working	any/any	Ne Ci-7881
Buckets - 5 gal plastic	any/any	PI Da-4063	Computers & Accs - Working	1/1x	Gr ls-7896
Buckets - 5 gal Plastic	any/any	Om ah-8450	Computers & Accs - Working	any/any	Sewa-8559
Composters	any/any	Kear-8119	Computers & Accs - Working	any/any	ONEi-8603
Crates - Wood	any/any	Linc-2788	Computers & Accs - Working	several/1x	Vall-8633
Drums - 55 gal Plastic	2/1x	Walt-8459	Computers & Accs - Working	any/any	Howe-9114
Drums - Fiber	any/any	Linc-7168	Computers & Accs - Working	any/any	Ta Ro-9169
Drums - Plastic, Steel any size	any/any	Om ah-1173	Computers & Accs - Working	any/any	Alli-9223
Drums - Plastic, Steel any size	any/any	Hast-2165	Computers & Accs - Working	any/any	Da Ci-9226
Gaylord Boxes	any/any	Linc-2787	Computers & Accs - Working	any/any	Gr ls-9245
Gaylord Boxes	any/any	Om ah-5577	Printer/Copier	1/1x	Linc-6343
Gaylord Boxes	any/any	Kear-5645	Printer/Copier	1/1x	Beat-6947
Gaylord Boxes	any/any	Impe-6471	Printer/Copier	1/1x	Valp-7357
Gaylord Boxes	several/mo	York-8720	Printer/Copier	1/1x	Gr ls-9053
Pallets	any/any	Frem-1057	Printer/Copier	any/1x	Sewa-9175
Pallets	any/any	Om ah-1381	Projector - LCD,Laptop,Digi Cam	1/1x	Gr ls-3918
Pallets	200/mo	Linc-2789	Projector - LCD	1/1x	Ogal-4387
Pallets	any/any	Gr et-4532	Projector - LCD	1/1x	Om ah-6049
Pallets	any/any	Hast-6925	Projector - Overhead	any/any	Linc-6357
Polytotes - 225-345 gal	any/any	FtCa-1276	Projector - Overhead, DVD	any/any	Om ah-6509
Polytotes - 225-350 gal	any/any	Om ah-6406	Projector -Power Point	1/1x	Linc-6373
Polytotes	ns/ns	PI Da-6616	Telephone Handsets -2 line	any/1x	Linc-7937
Super Sacks	any/any	Om ah-7400	Telephone Handsets - Cord/less	15/1x	Alli-9199
Super Sacks	any/any	Linc-7610	Telephone System -2+ lines	1/1x	Om ah-8104
Super Sacks	any/any	Frem-8514	Telephone System	1/1x	Cret-9154
Generating			Food		
Bags - Plastic Lined	1 dmpr/3 wks	Ger i-4590	Seeking		
Crates - Wood 4'x8' & 5'/12'x30"	5-10/wk	Linc-6826	Compost - Commercial	any/any	Ashl-9316
Crates - 33"x33"x28"H	40/mo	Gr ls-8679	Compost - Commercial	any/any	Firt-9318
Drums - Fiber 30 gal no lids	200-300/yr	Om ah-1751	Generating		
Drums - Fiber (sm) -15"x11"	600/mo	Gr ls-7365	Compost - Bagged	any/any	Ashl-9317
Drums - Plastic 55 gal	5-8/mo	Om ah-5096	Compost - Bagged	any/any	Firt-9319
Drums - Plastic 55 gal Food Grade \$	any/any	Hast-6920	Compost	any/any	Om ah-9384
Drums - Plastic 55 gal	8/mo	Ne Ci-7495			
Drums - Plastic 55 gal	30/mo	Har v-9163			
Drums - Steel or Plastic \$	any/any	Om ah-6735			
Gaylord Boxes	50/qtr	Hast-5666			
Gaylord Boxes	lg qty/any	Om ah-8597			
Pallets	400/mo	McCo-1284			
Pallets	ns/wk	Kear-4113			
Pallets	ns/ns	Om ah-6468			
Pallets	any/any	Hast-7481			
Polytotes -225-345 gal \$	any/any	Om ah-3726			
Super Sacks	ns/ns	Linc-8413			

Please note: Due to space limitations, the listings in the newsletter are not inclusive. For a complete list of materials being sought or generated by program participants, please go to our website at www.knb.org or call us at 402-486-4622.

\$=charge	dmpr=dumpster	ltr=liter	ns=not specific	qtr=quarter	t=ton
1X=one-time amount	gal=gallon	ml=milliliter	og=ongoing	qty=quantity	wk=week
cont=container	gd=gaylord box	mo=month	plts=pallets	semi=semi trailer load	yd=yard
cu.yd.=cubic yard	lg=large	mt=metric ton	pu=pickup load	tl=truck load	

Material	Qty.	ID#	Material	Qty.	ID#
Metals			Other		
Seeking			Seeking (Continued)		
Aluminum	any/any	Hend-7685	Duplication Fluid	600-800 gal/yr	Omah-5274
Aluminum	ns/ns	Omah-8637	Educational Materials	any/any	Linc-4320
Aluminum & Tin	ns/ns	Beat-3921	Ed Tech Supplies	any/any	Linc-8602
Aluminum & Tin	ns/ns	Blai-7427	Fluorescent Tubes/Ballasts	any/any	Beat-6568
Aluminum & Tin	500 lb/min	Omah-5939	Game Room Equipment & Supplies	any/any	Omah-8406
Metal - Non/Ferrous	lg qty/ns	Linc-1955	Gardening Tools - spades, rakes etc	any/any	Linc-7057
Metal - Non/Ferrous	any/any	Kear-1978	Golf Cart	1/1x	Beat-7152
Metal - Non/Ferrous	any/any	Omah-2481	Hangers -Unremovable Coatroom	50/1x	Linc-8240
Metal - Non/Ferrous	any/any	Hast-2602	Household Supplies	any/any	Linc-6353
Tungsten Scrap	any/any	CIOH-9077	Hygiene Products	any/any	Omah-7572
Vehicles - Cars & Light Trucks	any/any	Linc-1953	Kitchen Equipment & Supplies	any/any	Linc-6349
Generating			Medical Supplies	any/any	Omah-5948
Grinding Metal/Swarf	3-4 tons/week	Kear-1206	Medical Supplies	any/any	Kimb-9258
Grinding Wheels - Silicate	12 tons/mo	Kear-4114	Mercury Barometers	any/any	Colu-3109
Wheelabrator Dust	200 tons/yr	Kear-1205	Native Plants	any/any	Roca-5657
Oils & Waxes			Office Supplies	any/any	Linc-3348
Seeking			Office Supplies	any/any	Omah-4370
Oil - Used	any/any	SCIA-1087	Office Supplies	any/any	Ogal-4388
Oil - Used Mineral/Vegetable	3 tanks/wk	TIIA-6582	Office Supplies	any/any	Beat-7665
Oil - Used	any/any	Kear-6682	Office Supplies	any/any	Belv-7712
Oil - Used Motor	any/any	FtCa-6577	Office Supplies	any/any	Grls-7715
Oil - Used Fryer	any/any	Omah-9206	Office Supplies	any/any	NeCi-7882
Oil Filters - Used	any/any	FtCa-6576	Office Supplies	any/any	Walt-8457
Other			Office Supplies	any/any	Alle-8501
Seeking			Office Supplies	any/any	Vall-8509
Art Supplies	any/any	Linc-3668	Office Supplies	any/any	Ashl-8667
Art Supplies	any/any	Omah-5987	Office Supplies	any/any	Crof-8719
Art Supplies	any/any	Firt-6499	Office Supplies	any/any	Colu-8837
Artwork	any/any	Hart-7924	Office Supplies	any/any	TaRo-8874
Artwork	any/any	Omah-7927	Office Supplies	any/any	Blai-8884
Athletic Equipment	any/any	Linc-9131	Office Supplies	any/any	Kear-8892
Basketball Hoop on stand	1/1x	Linc-6243	Office Supplies	any/any	Sewa-8920
Batteries	any/any	Hast-3518	Office Supplies	any/any	WePo-8977
Batteries	any/any	Beat-6569	Office Supplies	any/any	Burc-8983
Bicycles - Working & for Parts	any/any	Linc-6876	Office Supplies	any/any	Wisn-9032
Boxing Equipment	any/any	Linc-7290	Office Supplies	any/any	Alli-9062
Cleaning Supplies	any/any	Geri-4382	Office Supplies	any/any	Howe-9113
Cleaning Supplies	any/any	Omah-6156	Office Supplies	any/any	Scot-9120
Cleaning Supplies	any/any	Linc-6755	Oil Filters - used	any/any	FtCa-6576
Clothing - esp Winter Coats	any/any	Linc-6102	Park Benches & Patio Furniture	any/1x	Omah-7497
Clothing - esp Maternity & Baby	any/any	Linc-6372	Picnic Tables	any/any	Linc-6244
Clothing & Shoes	any/any	Omah-7163	Plants, Shrubs & Flowers	any/any	Linc-7633
Craft Materials	any/any	Kear-8115	Plants, Shrubs & Flowers	any/any	Whit-7635
Curtain Mat'l for Sound Reduction	any/any	Linc-6603	Playground Equipment	any/any	Linc-6463
Custodial Materials/Supplies	any/any	Linc-5184	Pop & Snack Machines	any/any	Linc-7288
Diapers - All Sizes	any/any	Scot-5416	Printer Cartridges	8/mo	Crof-5549
Die Cut Lettering Mat'ls	any/any	Hold-6515	Residential Supplies	any/any	Linc-9143
Dinnerware - Disposable	any/any	Omah-5346	School Supplies	any/any	Linc-6003
			School Supplies	any/any	Valp-7355
			School Supplies	any/any	DaCi-7664
			School Supplies	any/any	Beat-7764
			School Supplies	any/any	Chen-7901
			School Supplies	any/any	Hast-7903
			School Supplies	any/any	Hold-7958

Materials Exchange Disclaimer: Information provided through this database is supplied by the lister of the material. Keep Nebraska Beautiful is not responsible for any warranty, expressed or implied, as to the accuracy of the material description, the suitability of a particular use, or the saleability of any material offered through this service. It is the legal responsibility of each party to determine whether a listed material is a hazardous waste or a hazardous material. Both hazardous and solid wastes must be managed in accordance with all relevant regulations and laws. Keep Nebraska Beautiful reserves the right not to list a material, to delist a material, or to edit information provided by the listing party.

Material	Qty.	ID#	Material	Qty.	ID#
Other			Paper & Cardboard		
Seeking (Continued)			Seeking		
School Supplies	any/any	Firt-7963	Cardboard/Paper - Recyclable	any/ns	Omah-1934
School Supplies	any/any	Roca-7973	Cardboard/Paper - Recyclable	any/ns	Linc-2498
School Supplies	any/any	Sewa-7979	Cardboard/Paper - Recyclable	any/ns	Hend-3012
School Supplies	any/any	Clar-7994	Cardboard/Paper - Recyclable	any/ns	Blai-3904
School Supplies	any/any	NeCi-8107	Cardboard/Paper - Recyclable	any/ns	Beat-3920
School Supplies	any/any	Omah-8190	Paper Products - Classroom use	any/any	Tecu-5294
School Supplies	any/any	Rals-8208	Paper Products - Classroom use	any/any	Omah-5989
School Supplies	any/any	ONei-8241	Paper Products - Household use	any/any	Scot-4383
School Supplies	any/any	Waho-8247	Paper Products - Office use	ns/ns	Linc-5203
School Supplies	any/any	Emer-8308	Paper Products - Office use	20 reams/qtr	Crof-5550
School Supplies	any/any	Wave-8383			
School Supplies	any/any	FaCi-8437			
School Supplies	any/any	Spal-8464			
School Supplies	any/any	Tecu-8504			
School Supplies	any/any	York-8519			
School Supplies	any/any	Pier-8554			
School Supplies	any/any	West-8593			
School Supplies	any/any	Cret-8611			
School Supplies	any/any	Plat-8630			
School Supplies	any/any	Hebr-8661			
School Supplies	any/any	NoBe-8948			
School Supplies	any/any	Rand-9267			
School Supplies	any/any	Spen-9270			
Trash Can Liners	500/qtr	NoPl-5130			
Toiletries - Soap, Shampoo etc	any/any	Linc-6351			
Toys, Books, Activities for Kids	any/any	GrIs-8770			
Generating			Generating		
Clothing - Women's, interagency	any/any	Linc-6310	Books	any/any	Beat-5963
Household Supplies	ns/ns	Linc-7663			
Paint Glass & Coatings			Plastics		
Seeking			Seeking		
Glass - Recyclable	any/any	Blai-2793	Bubble Wrap, Packing Peanuts	any/any	Linc-3971
Glass - Recyclable	any/any	Hend-7684	Bubble Wrap, Packing Peanuts	any/any	Beat-7985
Glass - Recyclable	any/any	Beat-8201	Foam & Polystyrene	any/any	Mead-9115
Glass - Recyclable	any/any	Linc-9390	Plastics - #1 & #2	any/any	Beat-3202
Paint	ns/ns	Linc-5807	Plastics - #1 & #2	any/any	Blai-3905
Paint	any/any	Kear-6683	Plastics - #1 & #2	any/any	Hend-7686
Paint	any/any	Omah-7851	Plastics - #2	lg qty/ns	Kear-5639
Paint	any/any	Plat-8628	Plastics - Un/Colored HDPE	ns/ns	Omah-5940
Paint	any/any	Hold-8642	Plastics - Various	any/ns	Linc-2499
Paint	any/any	Cret-8676	Plastics - Various	ns/ns	Linc-3653
Paint	any/any	Whit-8787	Plastics - Various	any/any	Rals-8371
Powder Coating - All	any/any	Linc-8780	Styrofoam/Packing Peanuts	ns/ns	PIDa-4057
Generating			Generating		
Glass - Wine Bottles - Blue, Red	200/mo	Raym-2382	Acrylic & Lexan	1 lg crate/mo	Omah-9096
Glass	ns/og	GrIs-8841	Adhesive Film	2 ton/og	Colu-2334
Paint - Mistints	ns/ns	Omah-3591	Ester/Ethafoam	40 bags/mo	Hast-1636
			Fiberglass Rebar Scrap	1 ton/mo	Sewa-3865
			Plastic Containers -Contaminated	tons/ongoing	SCIA-8296
			Plastic Regrind	ns/ns	Omah-2936
			Plastic Waste	200 lbs/6 mo	Geri-6347
			Polystyrene Beads	10 t/yr	Colu-5457
			PVC Vinyl Scrap	100 lbs/qtr	Harv-8543
			Rubber		
			Seeking		
			Cork Rubber Scrap	any/any	Bell-8599
			Rubber - Un/Cured Scrap	ns/ns	Hast-1455
			Rubber - Un/Cured Scrap	ns/ns	DMIA-4194
			Generating		
			Rubber - 12"x24"x1/8" Sheets	1 rolloff/wk	Kear-9064
			Rubber - Cork Scraps	20t/mo	NeCi-2416
			Rubber - Crumb (\$)	ns/ns	DMIA-4195
			Rubber - Un/Cured Hose	20t/wk	McCo-1283

Please note: The Materials Exchange Program provides information about current listings & does not take possession of any items. Transportation details or monetary compensation (if any) for listed items is the responsibility of the parties involved.

Material	Qty.	ID#	Material	Qty.	ID#
<u>Sand Gravel & Clay</u>			<u>Surplus Equipment</u>		
Seeking			Seeking (Continued)		
Diatomaceous Earth	100 tons/mo	Colu-6602	School Equipment & Furniture	any/any	Sewa-6724
Diatomaceous Earth	any/any	Omah-9217	School Equipment & Furniture	any/any	Wave-6729
Generating			School Equipment & Furniture	any/any	DaCi-6751
Diatomaceous Earth	100 tons/mo	Blai-2015	School Equipment & Furniture	any/any	Valp-7356
Gypsum	100 tons/mo	Blai-5642	School Equipment & Furniture	any/any	Cret-7687
<u>Surplus Equipment</u>			School Equipment & Furniture	any/any	West-7818
Seeking			School Equipment & Furniture	any/any	Chen-7900
Appliances	any/any	Frem-1909	School Equipment & Furniture	any/any	Hast-7902
Appliances	any/any	Omah-2482	School Equipment & Furniture	any/any	York-7904
Appliances/Housewares	any/any	Whit-6413	School Equipment & Furniture	any/any	Hold-7905
Athletic Equipment	any/any	Linc-9131	School Equipment & Furniture	any/any	Norf-7908
Baler - for Cardboard	1/1x	TheD-7728	School Equipment & Furniture	any/any	Roca-7974
Bleachers	any/any	Linc-5905	School Equipment & Furniture	any/any	ONei-7992
Clothing Racks	ns/ns	Omah-4821	School Equipment & Furniture	any/any	Clar-7993
Display & Trophy Cases	any/any	WeWa-7986	School Equipment & Furniture	any/any	NeCi-8108
Golf Cart	1/1x	Omah-5349	School Equipment & Furniture	any/any	Rals-8207
Household Furniture	any/any	Whit-5036	School Equipment & Furniture	any/any	Waho-8222
Household Furniture	any/any	Linc-6346	School Equipment & Furniture	any/any	Emer-8307
Lawnmower (Riding)&Snow Blower	1 ea/1x	GrIs-7542	School Equipment & Furniture	any/any	FaCi-8436
Medical Equipment & Supplies	any/any	Linc-5684	School Equipment & Furniture	any/any	Firt-8449
Medical Equipment & Supplies	any/any	Omah-8799	School Equipment & Furniture	any/any	Spal-8463
Medical Equipment & Supplies	any/any	Kimb-9257	School Equipment & Furniture	any/any	Pier-8553
Office Equipment & Furniture	any/any	Beat-2625	School Equipment & Furniture	any/any	Plat-8629
Office Equipment & Furniture	any/any	Ogal-4385	School Equipment & Furniture	any/any	Hebr-8660
Office Equipment & Furniture	any/any	Linc-4943	School Equipment & Furniture	any/any	NoBe-8947
Office Equipment & Furniture	any/any	Omah-4973	School Equipment & Furniture	any/any	Rand-9266
Office Equipment & Furniture	any/any	GrIs-4977	School Equipment & Furniture	any/any	Spen-9269
Office Equipment & Furniture	any/any	NoPl-5157	Space Heater	1/1x	GrIs-6484
Office Equipment & Furniture	any/any	Vall-6288	White Goods	ns/ns	Hast-1832
Office Equipment & Furniture	any/any	Crof-6816	<u>Textiles & Leather</u>		
Office Equipment & Furniture	any/any	Belv-6829	Seeking		
Office Equipment & Furniture	any/any	Hast-7507	Clothing - Maternity & Baby	any/any	Linc-6372
Office Equipment & Furniture	any/any	NeCi-7880	Clothing & Shoes	any/any	Omah-7163
Office Equipment & Furniture	any/any	Hart-8069	Fabric - Batting for Quilts	varies/ns	Linc-4017
Office Equipment & Furniture	any/any	Walt-8456	Fabric & Vinyl	lg qty/og	Omah-8598
Office Equipment & Furniture	any/any	Alle-8500	Leather & Scrap quilting mat'l	any/any	Whit-7244
Office Equipment & Furniture	any/any	Ashl-8666	Generating		
Office Equipment & Furniture	any/any	Colu-8836	Canvas Cotton Scrap	ns/ns	Milf-1548
Office Equipment & Furniture	any/any	TaRo-8873	Fabric/Vinyl	lg qty/mo	Linc-6497
Office Equipment & Furniture	any/any	Kear-8891	Yarn -Industrial, Off White/Yellow	5000 lbs/ mo	McCo-1282
Office Equipment & Furniture	any/any	Sewa-8919	<u>Wood</u>		
Office Equipment & Furniture	any/any	WePo-8976	Seeking		
Office Equipment & Furniture	any/any	Burc-8982	Cedar & Other Wood Chips	any/any	Ord-8978
Office Equipment & Furniture	any/any	Wisn-9031	Hardwood Scraps	any/any	Linc-8620
Office Equipment & Furniture	any/any	Alli-9061	Mulch	any/any	Omah-9236
Office Equipment & Furniture	any/any	Howe-9112	Oak Scrap	any/any	PIDa-6867
Office Equipment & Furniture	any/any	Scot-9119	Sawdust	ns/ns	Vall-6135
Office Equipment & Furniture	any/any	Cere-9196	Tree & Yard Waste for Mulch	any/ns	Gret-7574
Office Equipment & Furniture	any/any	Wave-9201	Wood Waste	any/any	Linc-3829
Office Equipment & Furniture	any/any	Waco-9409	Wood Waste	any/any	Bell-4766
Pallet Racks	ns/ns	NoPl-4953	Wood Waste/Sawdust	any/any	PICe-4941
Pillows & Blankets	100-200/any	Omah-4994	Wood Waste	any/any	Frem-6180
Residential Equipment & Furniture	any/any	Linc-9142	Generating		
Scale - Industrial	1/1x	Omah-7164	Mulch	lg qty/ns	Linc-3972
School Equipment & Furniture	any/any	Linc-4412	Oak - Rough or Surface Cut Offs	2 semi/yr	Beat-1372
School Equipment & Furniture	any/any	Omah-5986	Plywood - Laminated Scraps	400lb/mo	Hast-1637
School Equipment & Furniture	any/any	Tecu-6382	Wood Spools - Various Sizes	30/mo	Linc-8752
School Equipment & Furniture	any/any	Beat-6705			

Nebraska Materials Exchange Program Application

Identify the waste stream or surplus material you are generating or seeking. The more information provided, the more likely an exchange will occur. Questions? Call Keep Nebraska Beautiful at 800.486.4562. (or in Lincoln 486.4622) Please complete all applicable items. If you have more than one item, copy this form for each, or attach a list of materials & quantities.

Company/Organization _____ Date _____
 Contact _____ Email _____
 Mailing Address _____
 City _____ State _____ ZIP _____
 Phone (____) _____ Fax (____) _____

1. Is your company/organization a 501(c) 3 nonprofit organization? Yes No
2. May we release your name/address/phone to interested parties? Yes No
3. Are you SEEKING or GENERATING this material? Seeking Generating
4. Please Specify Material Here: *Generic name or primary usable constituent (If plastic, list mfg. & commercial name/grade #):

- _____
5. List quantity (in units: pounds, etc.): _____ Per: Day Week Month Quarter Year 1X only
 6. Physical state: (if applicable) Liquid Slurry Solid Semi-solid Sludge Dust Cake Gas Other
 7. Packaging: (circle one) Bulk Drums Dumpsters Gaylords Pallets Bales Other _____
 8. General information as known: chemical composition, type of plastic, main ingredients, cost, pH, toxicity, reactivity, color, particle size, flash point, total solids, purchase date, industrial process generating this material, contaminants, etc.

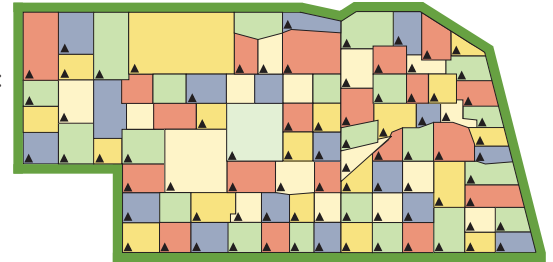
- _____
9. Available to interested parties (if applicable): Sample _____ Lab Analysis _____ Independent Analysis _____
 10. Please list any items your company would be willing to donate to schools or nonprofit organizations.
 (Working computers, office furniture and equipment, cleaning supplies, etc.)

Thanks for your interest in the Materials Exchange. We'll keep in contact regarding your listing, & send email notices regarding the electronic publication of our quarterly newsletter The Link. If an Exchange referral results in a match, we'd appreciate the information - landfill diversion totals ensure the Exchange remains accessible & free to all Nebraskans.



Please mail, fax, or complete this form online:

Keep Nebraska Beautiful
 3201 Pioneers Blvd., Suite 118
 Lincoln, NE 68502-5963
 Fax: (402) 486-4563



▲ = Materials Exchange Participating County

Online at: www.knb.org/waste-programs/materials-exchange/listing-application/

Do Your Part To Help Keep Nebraska Beautiful! Become A Member Today!

Name: _____
 Co/Org: _____
 Mailing Address: _____
 City/State/Zip: _____
 Phone: (____) _____ Fax: (____) _____
 Email: _____

Categories of Membership (please check one)

- Sustaining Member \$1000+/yr
- Sponsoring Member \$500-999/yr
- Supporting Member \$100-499/yr
- Chamber of Commerce \$75/yr
- Community-Pop over 5,000 \$100/yr
- Community-Pop under 5,000 \$50/yr
- Non-profit/Civic Org/School \$35/yr
- Family \$30/yr or \$75/3 yrs
- Individual \$20/yr or \$50/3 yrs
- Total amount enclosed \$ _____

Your paid membership entitles you to the following benefits. Please indicate the benefits you would like to receive below. Items not checked will not be sent and that part of your contribution will be used on educational programs.

- A KNB reusable shopping bag
- Information on workshops & conferences
- Email notice for quarterly publication The Link
 email address _____
- For Sustaining, Sponsoring & Supporting Members Only:
- Corporate member wall plaque (or brass disc for renewals)

Join online at <www.knb.org/about-us/membership/>
 or send your check and membership form to:
 Keep Nebraska Beautiful
 3201 Pioneers Blvd., Suite 118
 Lincoln, NE 68502-5963

Make Checks Payable to: Keep Nebraska Beautiful