

End of Life Recovery Options Office Seating

Identification of Materials Material Recovery Opportunities					
Material	Example Components	Recycling Notes	Higher Vaue Opportunity	Lower Value Opportunity	
Please visit www.recyclingmarkets.net to find a recyling outlet nearest to you.					
Plastic					
Nylon (PA)	arm pads, arm bushings, casters, glides, bases	Actively recycled into raw polymer by industrial plastic recyclers. It is important to note, however, that recycled plastic markets are highly variable and acceptance of a given material fluctuates based upon multiple factors (e.g. material type, quantity, presence of contaminants, markets for that material, etc). Recycling value is improved with greater quantities and accurate material identification (i.e. identified by base polymer, filler, and additive content).	Recycled PA Regrind	Mixed Thermoplastic Compression Molding	
Polyurethane Foam	foam cushioning on upholstered product.	Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding		
Metals - Ferrous (e.g.		,			
Steel	Chair frames, metal seat box, springs and clips, tilt, gas cylinder, base understructure, j bar, foot ring, Hardware (fasteners)	Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum).	Recycled Steel Ingot	Off Grade Ferrous Ingot	
Metals - Non-Ferrous	e.g. Aluminum, Stainless Steel, Zinc Die	Cast, Brass)			
Cast Aluminum	bases, arms	Actively recycled into raw metal ingot. Non- ferrous metals are not seperable through magnetic seperation. Recycling value is improved with greater quantity and accurate material identificaiton (e.g. metal grade).	Recycled Cast Grade Aluminum Ingot	Recycled Off Grade Aluminum Ingot	
Textiles					
Natural Fabrics	Determined by customer at time of order.	Recycling possible into non-woven fabrics.			
Polyester Fabrics	Determined by customer at time of order.	Recycling possible into raw polymer.	Recycled fibers into shoddy for use in non-woven products		
Mixed Fabrics	Determined by customer at time of order.	Recycling possible into non-woven fabrics.		Landfill Disposal	
Vinyl	Determined by customer at time of order.	Recycling possible only through extraction based processes.	Recycled PVC polymer through extraction based processing		
Wood / Biobased Mat	erials				
Plywood	seat decks, back frames, chair shells,	Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options for these materials. As a low value option, the	Not Actively Recycled	Waste to Energy	
Hardwood	base caps, arm caps	energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies.	(Currently)		
		with proper pollution control technologies.			



End of Life Recovery Options Side Seating

- Jido Joannig					
Identification of Materials Material Recovery Opportunities					
Material	Example Components	Recycling Notes	Higher Vaue Opportunity	Lower Value Opportunity	
	Please visit www.	recyclingmarkets.net to find a recyling outlet ne	earest to you.		
Plastic					
Nylon (PA)	arms, arm pads, casters, glides	Actively recycled into raw polymer by industrial plastic recyclers. It is important to note, however, that recycled plastic markets are highly variable and acceptance of a given material fluctuates based upon multiple factors (e.g. material type, quantity, presence of contaminants, markets for that material, etc). Recycling value is improved with greater quantities and accurate material identification (i.e. identified by base polymer, filler, and additive content).	Recycled PA Regrind	Mixed Thermoplastic Compression Molding	
Polyurethane Foam	foam cushioning on upholstered product.	Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding		
Metals - Ferrous (e.g.					
Steel	chair frames, brackets, hardware, arm supports, springs and spring clips	Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum).	Recycled Steel Ingot	Off Grade Ferrous Ingot	
Textiles					
Natural Fabrics	Determined by customer at time of order.	Recycling possible into non-woven fabrics.	Recycled fibers into shoddy for use in non-woven products Recycled PVC polymer through extraction based processing	Landfill Disposal	
Polyester Fabrics	Determined by customer at time of order.	Recycling possible into raw polymer.			
Mixed Fabrics	Determined by customer at time of order.	Recycling possible into non-woven fabrics.			
Vinyl	Determined by customer at time of order.	Recycling possible only through extraction based processes.			
Wood / Biobased Mat	erials				
Plywood	seat decks, back frames	Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options for these materials. As a low value option, the	Not Actively Recycled (Currently)	Waste to Energy	
Hardwood	Body sides, cross rails	energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies.			
Revision Date: 4/20,	/17				



End of Life Recovery Options Recliners

Please visit www.recyclingmarkets.net to find a recyling outlet nearest to you. Plastic Actively recycled into raw polymer by industrial plastic recyclers. It is important to note, however, that recycled plastic markets are highly variable and acceptance of a given material fluctuates based upon multiple factors (e.g. material type, quantity, presence of contaminants, markets for that material, etc). Recycling value is improved with greater quantities and accurate material identification (i.e. identified by base polymer, filler, and additive content). Polyurethane arm caps Actively recycled by foam manufacturers and recyclers into carpet padding. Polyurethane Foam foam cushioning on upholstered product. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Recycled Steel Ingot off Grandinum. Polytication (PA)	Value Opportunit
Please visit www.recyclingmarkets.net to find a recyling outlet nearest to you. Plastic Actively recycled into raw polymer by industrial plastic recyclers. It is important to once, however, that recycled plastic markets are highly variable and acceptance of a given material fluctuates based upon multiple factors (e.g. material type, quantity, presence of contaminants, markets for that material, etc). Recycling value is improved with greater quantities and accurate material identification (i.e. identified by base polymer, filler, and additive content). Polyurethane arm caps Actively recycled by foam manufacturers and recyclers into carpet padding. Recycled Carpet Padding Recycled Carpet Padding Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Recycled Steel Ingot Off Gr	Value Opportunit
Plastic Actively recycled into raw polymer by industrial plastic recyclers. It is important to note, however, that recycled plastic markets are highly variable and acceptance of a given material fluctuates based upon multiple factors (e.g. material type, quantity, presence of contaminants, markets for that material, etc). Recycling value is improved with greater quantities and accurate material identification (i.e. identified by base polymer, filler, and additive content). Polyurethane arm caps Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled into raw ferrous metal ingot. Ferrous fee, steel, Iron) Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Textiles Determined by customer at time of order. Poletermined by customer at time of order. Poletermined by customer at time of order. Poletermined by customer at time of order.	
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Polycarbonate (PC) side trays quantities and accurate material identification (i.e. identified by base polymer, filler, and additive content). Polyurethane arm caps Actively recycled by foam manufacturers and recyclers into carpet padding. Polyurethane Foam foam cushioning on upholstered product. Metals - Ferrous (e.g. Steel, Iron) Steel seat boxes, mechanism, rails, lock bars, brackets, hardware Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Textiles Natural Fabrics Determined by customer at time of order. Polyurethane arm caps Actively recycled by foam manufacturers and recyclers decycled Carpet Padding Recycled Carpet Padding Recycled Carpet Padding Recycled Carpet Padding Recycled Steel Ingot Off Grant Carpet Padding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Recycled Steel Ingot Off Grant Carpet Padding Recycled Steel Ingot Padding Recycled Steel Padding Recycled Padding Recycled Padding Recycled Padding Paddin	Mixed Thermoplastic Compression Molding
Polyurethane Foam foam cushioning on upholstered product. Metals - Ferrous (e.g. Steel, Iron) Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled by foam manufacturers and recyclers into carpet padding. Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Textiles Natural Fabrics Determined by customer at time of order. Determined by customer at time of Recycling possible into non-woven fabrics. Recycled Carpet Padding	
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Steel seat boxes, mechanism, rails, lock bars, brackets, hardware seasily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Textiles Natural Fabrics Determined by customer at time of order. Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Recycled Steel Ingot Off Gr	
Steel seat boxes, mechanism, rails, lock bars, brackets, hardware seat boxes, mechanism, rails, lock bars, brackets, hardware seat boxes, mechanism, rails, lock bars, brackets, hardware seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum). Textiles Natural Fabrics Determined by customer at time of order. Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycled Steel Ingot Off Gr	
Natural Fabrics Determined by customer at time of order. Recycling possible into non-woven fabrics. Recycled fibers into shoddy	ade Ferrous Ingot
Natural Fabrics order. Recycling possible into non-woven fabrics. Determined by customer at time of Recycling possible into non-woven fabrics. Recycled fibers into shoddy	
I Determined by customer at time of I	Landfill Disposal
Polyester Fabrics rorder. Recycling possible into raw polymer. ror use in non-woven products	
Mixed Fabrics Determined by customer at time of order. Recycling possible into non-woven fabrics.	
Vinyl Determined by customer at time of order. Recycling possible only through extraction based processes. Recycled PVC polymer through extraction based processing	
Wood / Biobased Materials	
Plywood body sides, frame components, kickouts, rear panels, seat frames Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options. Not Actively Recycled	Waste to Energy
for these materials. As a low value option, the energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies.	
Revision Date: 4/20/2017	



End of Life Recovery Options Sleepers & Sofas

Identification of Materials		Material Recovery Opportunities		
Material	Example Components	Recycling Notes	Higher Vaue Opportunity	Lower Value Opportunity
	Please visit www.	recyclingmarkets.net to find a recyling outlet ne	arest to you.	
Plastic Nylon (PA)	casters, glides, rollers	Actively recycled into raw polymer by industrial plastic recyclers. It is important to note, however, that recycled plastic markets are highly variable and acceptance of a given material fluctuates based upon multiple factors (e.g. material type, quantity, presence of contaminants, markets for that material, etc). Recycling value is improved with greater quantities and accurate material identification (i.e. identified by base polymer, filler, and	Recycled PA Regrind	Mixed Thermoplastic Compression Molding
Polyurethane	arm caps	additive content). Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding	
Polyurethane Foam	Foam cushioning on upholstered product.	Actively recycled by foam manufacturers and recyclers into carpet padding.	Recycled Carpet Padding	
Metals - Ferrous (e.g. S	,	responses are surper padaning.		
Steel	Pull out sleeper mechs, cross support rails, springs and clips, hardware, legs	Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum).	Recycled Steel Ingot	Off Grade Ferrous Ingot
Textiles				
Natural Fabrics	Determined by customer at time of order.	Recycling possible into non-woven fabrics.		
Polyester Fabrics	Determined by customer at time of order.	Recycling possible into raw polymer.	Recycled fibers into shoddy for use in non-woven products	Landfill Disposal
Mixed Eabrica				
Mixed Fabrics	Determined by customer at time of order.	Recycling possible into non-woven fabrics.		·
Vinyl	•	Recycling possible into non-woven fabrics. Recycling possible only through extraction based processes.	Recycled PVC polymer through extraction based processing	
	order. Determined by customer at time of order.	Recycling possible only through extraction	through extraction based	
Vinyl	order. Determined by customer at time of order.	Recycling possible only through extraction based processes. Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options	through extraction based processing Not Actively Recycled	
Vinyl Wood / Biobased Mate	order. Determined by customer at time of order. Prials	Recycling possible only through extraction based processes. Not currently actively recycled due to process and economic limitations. Reuse or	through extraction based processing	Waste to Energy
Vinyl Wood / Biobased Mate Plywood	order. Determined by customer at time of order. Prials body sides, seat decks, back frames	Recycling possible only through extraction based processes. Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options for these materials. As a low value option, the energy content can be reclaimed in a designated waste-to-energy facility equipped	through extraction based processing Not Actively Recycled	
Vinyl Wood / Biobased Mate Plywood Hardwood	order. Determined by customer at time of order. Prials body sides, seat decks, back frames	Recycling possible only through extraction based processes. Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options for these materials. As a low value option, the energy content can be reclaimed in a designated waste-to-energy facility equipped	through extraction based processing Not Actively Recycled	



End of Life Recovery Options Tables

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Identifi	cation of Materials	Material Recovery Opportunities		
Material	Example Components	Recycling Notes	Higher Vaue Opportunity	Lower Value Opportunity
Please visit www.recyclingmarkets.net to find a recyling outlet nearest to you.				
Plastic				
Nylon (PA)	glides	Actively recycled into raw polymer by industrial plastic recyclers. It is important to note, however, that recycled plastic markets are highly variable and acceptance of a given material fluctuates based upon multiple factors (e.g. material type, quantity, presence of contaminants, markets for that material, etc). Recycling value is improved with greater quantities and accurate material identification (i.e. identified by base polymer, filler, and additive content).	Recycled PA Regrind	Mixed Thermoplastic Compression Molding
Metals - Ferrous (e.g. St	eel, Iron)			
Steel	Conceive table frames	Actively recycled into raw ferrous metal ingot. Ferrous metals are easily seperable from other materials through shredding and magnetic seperation. Therefore, many metal recyclers will accept ferrous metals which contain small amounts of mixed materials (e.g. plastic, aluminum).	Recycled Steel Ingot	Off Grade Ferrous Ingot
Wood / Biobased Materials				
Hardwood	Odeon Table Frames	Not currently actively recycled due to process and economic limitations. Reuse or refurbishment are currently the best options for these materials. As a low value option, the energy content can be reclaimed in a designated waste-to-energy facility equipped with proper pollution control technologies.	Not Actively Recycled (Currently)	Waste to Energy
Other				
Press Board w/ Laminate	Odeon Table tops		Not Actively Recycled (Currently)	Waste to Energy
Revision Date: 4/20/2017				