

Roy Cooper Governor Ronald G. Penny Secretary

MEMORANDUM

- To: Users of the Cost Index and Depreciation Schedules
- From: Chelsie Cornelius, Lead Developer and Editor
- Date: November 14, 2022
- Re: 2023 Cost Index and Depreciation Schedules

Attached you will find the 2023 Cost Index and Depreciation Schedules. The document will soon be published on our website at <u>https://www.ncdor.gov/news/reports-and-statistics/property-tax-publications/cost-index-and-depreciation-schedules</u>.

We recommend the use of these schedules in the valuation of business personal property and certain taxable personal property listed as of January 1, 2023. There were no changes this year, other than the usual percent good factor adjustments.

Reminder(s):

- 1. Schedule N shows a straight-line schedule that depreciates down to zero, for illustrative purposes. However, you should always use a 25% residual when applying Schedule N unless you have analyzed a particular situation and decided a lower residual is warranted.
- 2. Per Session Law 2018-113, NC Farm Act of 2018, counties are <u>required</u> to use the A-10 schedule and 25% residual if valuing equipment under the *Farm and Ranch Machinery and Equipment* category using the cost approach. (If additional depreciation is warranted, the county appraiser may value below the 25% residual.)

In 2005, the North Carolina Court of Appeals affirmed the North Carolina Property Tax Commission's decision in the matter of the appeal of Westmoreland—LG&E Partners from the decision of the Halifax County Board of Commissioners for the tax years 1996-2001. In its decision, the North Carolina Court of Appeals opinion quoted excerpts from the Property Tax Commission's decision. The opinion quotes, "The Tax Administrator properly applied the Cost Index and Depreciation Schedules developed by the North Carolina Department of Revenue..."

501 N. Wilmington Street, Raleigh, NC 27640 PO Box 871, Raleigh NC 27602-0871 Website: <u>www.ncdor.gov</u> An Equal Opportunity Employer The Court also writes, "It is well-settled in this State that ad valorem tax assessments are presumed correct." This and other previous cases have solidified our opinion that, when used properly, the Cost Index and Depreciation Schedules are well accepted by the Courts.

These schedules have been prepared by this office as a general guide to be used in the valuation of business personal property, utilizing the replacement cost approach to value. It is important to remember that the schedules are only a guide. There may be situations where the appraiser will need to make adjustments for additional, or less, functional or economic obsolescence; or for other factors.

These schedules are provided to aid in the overall uniformity and equity of property tax assessment practices, as required by North Carolina statutes. If you have any questions about these schedules, please contact the Personal Property Section at (919) 814-1129.

2023 Cost Index and Depreciation Schedules

North Carolina Department of Revenue Local Government Division | Personal Property Section





The cost approach is the most widely used approach to valuing business personal property. It is calculated in a manner that gives consideration to both inflation and depreciation in arriving at a final estimate of value. The estimate of value is determined by trending the cost of an asset to arrive at the replacement or reproduction cost new, then reducing that cost to account for depreciation. The cost approach lends itself to mass appraisal and can be readily applied using the information submitted on annual property tax listing forms.

The Cost Index and Depreciation Schedules are recommended for business personal property tax valuation in North Carolina and are supported by the court system. In fact, legislation was passed that requires the use of the published schedule for farm and ranch machinery and equipment. These schedules utilize the cost approach to valuation and serve as a beneficial tool in the appraiser's effort to maintain uniformity in the appraisal of business personal property within a taxing jurisdiction. If the schedules are applied by all counties, uniformity will be achieved statewide.

It is not feasible for county tax appraisers to appraise individual assets for ad valorem purposes. Appraisers must use mass appraisal techniques to arrive at assessed values for property in their jurisdiction. The mass appraisal process values groups of properties with similar characteristics. When utilizing the cost index, the appraiser should value machinery and equipment using the schedule that corresponds with the category of the taxpayer's principal type of business. There may be categories of property not identified in the schedules. In this situation, the appraiser will use their best judgment to determine the proper schedule to arrive at fair market value. The appraiser may also contact the Local Government Division for additional guidance.

As a general rule, the useful life schedules in this publication represent the midpoint of asset depreciation ranges extracted from publications of the Internal Revenue Service, or through special studies. The trend factors are determined using the percentage price increase or decrease over the past year of similar business markets. These percentages come from the latest edition of the Producer Price Index, published by the U.S. Department of Labor's Bureau of Labor Statistics.

This cost index consists of tables that incorporate trend factors and depreciation percentages to appraise business personal property. The resulting figure is a composite conversion factor, which combines the trend factor and the amount of allowable straightline depreciation based on the vintage year of the asset. The factors are expressed in this manner to eliminate additional mathematical computations in the appraisal process. These factors are labeled in the cost index as the *percent good factors*. The term *percent good* represents the remaining percentage of replacement cost after all forms of depreciation are deducted.

The starting point in the valuation of business personal property is the historical cost of an asset. The historical cost signifies the initial, installed cost of a new asset to its initial user. When assets are purchased new, this cost typically matches the capitalized cost found in



the owner's accounting records. Historical cost is the full economic cost of an asset and includes <u>all</u> costs associated with constructing the asset and making it ready for its intended use.

Property normally increases in value as it progresses through production and distribution channels. The property achieves its maximum value as it reaches the consumer level of trade. It is only at this level that assessment is uniform and equitable. Therefore, businesses that use and consume property they produce or create must list such property at the retail cost of the property at the consumer level, not the manufacturer's cost to produce the property. Property purchased by wholesalers and retailers must also be listed at the retail cost of the property at the consumer level, not the cost paid to acquire the property from the manufacturer or wholesaler.

The cost index recognizes the loss in value from the routine use of business personal property over its economic life. These schedules incorporate typical physical deterioration and conditions of obsolescence. However, appraisers may need to consider adjustments to the final value estimate to account for excessive depreciation under extraordinary circumstances. This may include applying an additional depreciation percentage or lowering the standard residual percentage amount. Before making an adjustment for excessive physical deterioration, or functional or economic obsolescence, the taxpayer must provide evidence that supports the claim. Based on the evidence the taxpayer provides, and/or a physical inspection of the property, the appraiser will determine whether or not a value reduction is warranted.

To produce the assessed value of business personal property, the percent good factor is multiplied by the historical cost. It is very important to remember that the trend factors that are shown in this cost index have already been calculated into the percent good factors. Therefore, you do not apply the trend factor a second time.





Example

A taxpayer listed commercial dry cleaning equipment at a historical cost of \$100,000 that they acquired in 2016. What is the value of this equipment on January 1, 2023?

1. Look up the dry cleaning category to determine the appropriate schedule and life.

NCD@R	NC Department of Revenue Local Government Division Personal Property Section 2023 Cost Index and Depreciation Schedules						
MAJOR CATEGO	DRY	Page S	Schedule	Life			
Exploration and	MENT (GAS, PETROLEUM & WATE Drilling Equipment er activated well drilling equipment that vehicles.	17	А	6			
DRONES		18	В	5			
Self-Serve (Coir Commercial	AND LAUNDRY EQUIPMENT //Card Operated)	18 18 24	B B N	6 10 2			

2. Turn to Schedule B on page 18 and locate the 10 year life column. Use the 2016 acquisition year to find the intersection point with the useful life column and determine the percent good factor.

NCD	ØR	NC Dep Local G Person	Gover	nme	nt Div	visior					Index Page 18 Effective 1/1/2023					
				5	Scheo	dule l	3 Val	uatio	n Ta	ble						
					His	torica	al (Or	igina	l) Cos	st						
					Pe	ercer	nt Go	od F	actor	S						
Year		Trend							Li	fe						
Acq'd	Age	Factor	3	5	6	7	8	10	11	12	20	25				
2022	1	1.00	67	80	83	86	87	90	91	92	95	96				
2021	2	1.11	37	67	74	79	83	89	91	92	100	102				
2020	3	1.18	5	47	59	67	74	83	86	89	100	104				
2019	4	1.21		25	40	52	61	73	77	81	97	102				
2018	5	1.24			25	36	46	62	67	72	93	99				
2017	6	1.28				25	32	51	56	64	90	97				
2016	7	1.29					23	39	46	54	84	93				
2015	8	1.30						26	35	43	78	88				

3. Value = Historical Cost x Percent Good Factor Value = $100,000 \ge 0.39$ Value = \$39,000



NC Department of Revenue Local Government Division | Personal Property Section 2023 Cost Index and Depreciation Schedules

MAJOR CATEGORY	Page	Schedule	Life
<u>AEROSPACE</u> INDUSTRY Primarily engaged in the manufacture of aircraft spacecraft, rockets, missiles and component parts.		В	8
AIR CONDITIONING EQUIPMENT			
Heat Pumps - All Sizes	18	В	7
Large - 20 Tons and Over		В	20
Medium and Small - Under 20 Tons		В	10
AIRPORT GROUND EQUIPMENT	18	В	10
Unlicensed Vehicles		В	10
AMUSEMENT AND RECREATION EQUIPMENT			
A. Entertainment and Sports Venues			
Amusement Rides and Games (Bowlers, Pin Ball,			
Hobby Horses, Kiddie Rides, etc.).	18	В	5
Billiards and Pool	18	В	10
Boats	18	В	5
Bowling Alleys & Lottery Ticket Sales Equipment	18	В	8
Coin Operated Electronic Games (Video Games)	18	В	3
Dance Studio	18	В	10
Gymnasium (Health Clubs)	18	В	10
Internet Sweepstakes, Video Poker Machines	18	В	5
Mobile Gaming Units		В	5
Museum		В	10
Music Machines, Pay-per-play Jukeboxes (includes			
digital), Karaoke Machines	18	В	5
Race Track		В	10
Rental Video Tapes, DVD's and Games	18	В	3
Theme Parks and Waterparks (Rides, Attractions,			
Waterslides, Roller Coasters, Alpine Coasters, etc.)	18	В	12
Video Rental Tape Player		В	3
1 5			
B. Golf Carts	18	В	5
C. Miniature Golf Courses	18	В	10
D. Average All (Variety)	18	В	7
APARTMENT AND ROOMING HOUSE (FF&E)	20	G	8



MAJOR CATEGORY Page Schedule Life APPAREL AND OTHER FINISHED PRODUCTS MANUFACTURED FROM FABRICS, FABRICATED TEXTILE PRODUCTS AND SIMILAR MATERIALS Fabrics – Knitwear, Furs and Diapers17 9 А Leather Apparel......17 А 11 Miscellaneous Textile Products - Draperies and Canvas 17 А 9 14 А ASPHALT ROOFING MATERIALS (EQUIPMENT USED TO MANUFACTURE) See Petroleum Products Manufacturing. AUTOMOBILE REPAIR AND SERVICE EQUIPMENT Car Wash (Automatic or Coin Operated)......22 J 5 J 8 J 10 J 8 Service Stations, Garages and Body Shops22 J 10 J 8 J 8 BAKERIES - RETAIL (BAKING AND SELLING)17 10 Α **BANKS & SAVINGS AND LOAN EQUIPMENT** Η 5 Η 10 Η 4 20 Η Currency Processing Solution Safe......21 Η 20Η 10 Μ 50 Μ 50 Η 20Η 20 Η 10 Vent Fans and Additions......23 Μ 50 Η 10

<u>BILLBOARDS</u> - See the *Billboard Structures Valuation Guide* online at: <u>https://www.ncdor.gov/reports-and-statistics/billboard-structures-valuation-guide</u>



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MAJOR CATEGORY	Page	Schedule	Life
BOAT BUILDING			
Boat Construction, Repair and Conversion	18	В	12
Fiberglass Boat Molds		B	3
5			
BOAT DOCKS (Where Classified as Personalty)			
Steel or Other Metal Construction	18	В	20
Wood and Foam	18	В	5
BOTTLING PLANT EQUIPMENT		А	12
Manufacture, bottling or canning of soft drinks, fresh fruit			
drinks, mineral and distilled waters, carbonated beverages.			
BROADCASTING - RADIO AND TV EQUIPMENT	10	P	-
Analog Television Broadcasting Equipment		B	5
Studio Broadcasting Equipment		B	6
Transmitting Towers	18	В	25
	21	T	10
<u>CABLE MANUFACTURING</u> Manufacture of fiber optic, coaxial, and data cable.		Ι	10
Includes coaxial, composite, and twisted copper cable.			
includes coasiai, composite, and twisted copper cable.			
CABLE AND SATELLITE COMPANY EQUIPMENT			
Distribution Systems - Cable (Coaxial and Fiber Optic)	27	U	10
Distribution Systems - Electronics (Node Electronics,	,	U U	10
Amplifiers, Couplers, Splitters)	27	U	5
Head-end Equipment, Hub Equipment		U	5
Subscriber Connections (Set-top Boxes, Modems, Externa			
House Drops)		U	5
Towers, Antennas, Dishes	18	В	25
<u>CELLULAR EQUIPMENT</u>			
A. Analog	18	В	3
Includes antenna cell site and cell equipment.			
	~-		c.
B. Digital		U	6
Includes antenna cell site, cell equipment, microwave			
digital, tools and testing equipment, telephones,			
pagers, and antennas. (Includes 2G and 3G equipment			
in jurisdictions where the carrier <u>HAS NOT</u> deployed			
4G or newer generation equipment in that			
jurisdiction.)			

* Indicates a change from the previous year's publication.

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MAJOR CATEGORY Pa	ge	Schedule	Life
C. Digital: Certain Obsolete Equipment Includes obsolete, yet functioning, 2G and 3G equipment if the carrier <u>HAS</u> deployed 4G or newer generation equipment in that jurisdiction.	18	В	3
D. Power Supply, PBX (Internal Phone System), Cabinets,			
Microwave Antennas	18	В	10
E. Towers, Concrete Structures Housing Cell Equipment	18	В	25
CEMENT MANUFACTURING AND CONCRETE PRODUC	TS		
Cement Manufacturing Plants		А	20
Concrete Products Manufacturing (Blocks, Pipe, etc.)	17	А	12
Mixers (Truck Mounted)	17	А	6
Portable Ready Mix Plants	17	А	8
Ready Mix Concrete Plants	17	А	15

<u>Note</u>: Cement manufacturing plants have a combination of quarrying and manufacturing machinery which should be reported and appraised separately.

<u>CHEMICAL AND ALLIED PRODUCTS</u>	A	10
Manufacture of Compressed Gasses17	А	8
<u>COMMUNICATION - TELEPHONE AND INTERCOM</u> <u>SYSTEMS- PAY PHONES</u> 18	В	10
<u>COMPUTER MANUFACTURING</u> 21 Includes manufacturers engaged in the assembly of computers.	Ι	8
CONTRACTOR'S EQUIPMENT Barricades and Warning Devices	A A B	3 10 25

* Indicates a change from the previous year's publication.

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MAJOR CATEGORY Pag	ge	Schedule	Life
General Construction - Highway, Dams, etc1	7	А	8
Portable Asphalt Batch Plants		А	6
Painting, Framing & Carpentry1	7	А	10
Stationary Asphalt Batch Plants1	7	А	14
<u>COPYING AND PRINTING EQUIPMENT</u>	27	U	5
Industrial/Commercial 3-D Printers1	7	А	11
<u>COTTON GINS AND COMPRESSES</u> 1 Cotton gin machinery for removing seeds from raw cotton. Cotton compresses are machines used to bale cotton after gin		A ng.	12
CRYPTOCURRENCY MINING2	27	U	8
DATA PROCESSING EQUIPMENT2	27	U	5

This category is for non-production computers. It includes personal computers, taxable software, smartboards, midrange and mainframe computers, and their peripherals used for data processing. Includes standard IBM compatible personal computers used in manufacturing and point of sale (POS) systems, but not proprietary POS units, such as computers built specifically to be used as POS computers or other proprietary computerized systems. For POS proprietary systems and electronic cash registers, see *Store Equipment*.

This category <u>does not</u> include computers embedded in machinery, nor does it include equipment or computers specifically designed for use in any other application directly related to manufacturing or retail. It does not include equipment that is an integral part of other capital equipment that is included in other classes of economic activity, such as computers used primarily for process or production control, switching, channeling, and automating distributive trades and services, such as proprietary POS computer systems.

This category <u>does not</u> include equipment of a kind used primarily for the amusement or entertainment of the user.

Note: Accelerated depreciation is used on data processing equipment. The residual is 5%.

^{*} Indicates a change from the previous year's publication.



MAJOR CATEGORY	Page So	chedule	Life
DRILLING EQUIPMENT (GAS, PETROLEUM & WATE Exploration and Drilling Equipment Includes water activated well drilling equipment that mounted on vehicles.	17	A	6
DRONES	18	В	5
DRY CLEANING AND LAUNDRY EQUIPMENT Self-Serve (Coin/Card Operated) Commercial Leased and Rented Linens and Uniforms	18	B B N	6 10 2
ELECTRIC ENERGY GENERATION EQUIPMENT A. Biomass-Renewable Organic Matter Electricity Generating Equipment	26	Т	18
B. Hydro-electric Generating Equipment		Т	50
C. Natural Gas-Fired and Combined Cycle Electrical Generating Equipment	26	Т	18
D. Photovoltaic Solar Electric Generating Equipment	26	Т	18
E. Steam Powered Electric Generating Equipment Includes assets used in the steam power production electricity for sale, combustion turbines operated in combined cycle with a conventional steam unit.	of	Т	28
F. Thermal Solar Electric Generating Equipment	26	Т	18
G. Wind Power Electricity Generation Systems Includes wind turbines, support shafts ar foundations, ancillary lines, transformers, and oth equipment necessary to move the electricity from the wind turbines to the utility's transmission line.	nd er	Τ	18
ELECTRICAL EQUIPMENT. Includes the manufacture of electrical househo appliances, batteries, and machinery used in the generation and utilization of electric energy.	ld	Ι	10



MAJOR CATEGORY	Page	Schedule	Life
ELECTRONIC EQUIPMENT A. Manufacturing of electronic communication, detection guidance, control, radiation computation, test a navigation equipment	ind	Ι	8
B. Manufacturers engaged only in the purchase a assembly of electronic components	ind	Ι	12
C. Semi-Conductor Manufacturing D. Semi-Conductor Testing Equip		U U	6 8
E. Vapor De-pollution System	17	А	5
<u>FABRICATED METAL PRODUCTS</u> Includes the manufacture of fabricated metal produces such as cans, tin ware, hardware, metal structural produce architectural and ornamental metalwork, nuts, bolts, metal awnings, portable metal structures, etc.	cts cts,	A	12
FARM AND RANCH MACHINERY AND EQUIPMENT Includes all farm implements, machinery and equipment used in the production of crops and animals, on the far processing of feeds, poultry and swine house equipment tractors, combines, and cotton harvesters.	ent rm	А	10



<u>Note:</u> Whenever possible, this equipment should be appraised using the market (sales comparison) approach. There are several good pricing guides available which provide market values of farm equipment based on sales. If the county appraises farm equipment using the cost approach, the A-10 schedule with a 25% residual is statutorily required for <u>all</u> equipment in this category! See G.S. 105-317.1(b1).

FIBER OPTICS MANUFACTURING21	Ι	8
Manufacturers of glass fiber for fiber optics.		
FOOD, BEVERAGE AND KINDRED PRODUCTS		
(MANUFACTURING, PACKAGING, AND PROCESSING)		
Bakery Products17	А	12
Brewery and Distillery, Winery Equipment17	Α	12
Canned, Preserved Fruits and Vegetables17	А	12
Confectionery and Related Products17	А	12
Creamery and Dairy Products17	А	12

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MAJOR CATEGORY	Page	Schedule	Life
Grain Mill Products Includes assets used in the production of flours, cereal	s,	А	17
livestock feeds, and other grain and grain mill product large hammer mills.	s;		
Grain Tanks Miscellaneous Food Preparations (Examples: Honey,	17	А	15
Potato Chips, Pet Food)	17	А	12
Sugar and Sugar Products		А	18
Vegetable Oil Products	17	А	18
<u>FURNITURE MANUFACTURE OF WOOD PRODUCTS</u> (EXCLUDES LUMBER MANUFACTURING)	_	А	10
<u>GLASS AND GLASS PRODUCTS</u> (EXCLUDES MANUFACTURE OF LENSES) Includes the manufacture of glassware, pressed or blow and the manufacture of products from purchased glass such as quartz and Pyrex, laboratory apparatus, art glas doors made from purchased glass, glass containers, plat safety and window glass.	n, s, s,	Α	14
Manufacture of Mirrors	17	А	10
HOTEL, MOTEL AND RESORT EQUIPMENT Televisions		D B	10 5

IDLE EQUIPMENT

Equipment that has been taken off production status on a permanent basis is considered to be idle equipment. This classification should not be confused with equipment that is temporarily idle due to not yet being placed into production (CIP), a downturn in the economy, seasonal production, routine maintenance, etc. Although we recommend in most cases that some additional depreciation adjustment be made to verified idle equipment, there is no firm guideline as to what adjustment should be made to determine the final value.

In determining the amount of adjustment, the county appraiser must review each situation, taking into account all the factors affecting the property such as age, condition, past and future uses, marketability, remaining life, and reasons for the equipment being idle.

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MAJOR CATEGORY	<u>Page</u>	Schedule	Life
INSTRUMENTS (PROFESSIONAL, SCIENTIFIC & CONTROLLING, PHOTOGRAPHIC AND OPTICAL, WATCHES AND CLOCKS). Includes establishments in manufacturing scientific ar research instruments such as meters - gas, liquid, tallyir and measuring; optical elements and assemblies, hearin aids, hearing test equipment, wheel chairs, prosthet devices, contact lenses, photographic accessories, da cameras, watches and clocks.	nd ng ng ic	В	12
LANDSCAPING EQUIPMENT	17	А	8
<u>LEASED OFFICE BUSINESS MACHINES</u> This category also includes leased fax machines and communication equipment. It <u>does not</u> include electron data processing equipment, portable commercial printing equipment, copiers, and mailing and postage machines.	ıd ic	S	5
LEATHER AND LEATHER PRODUCTS Includes the manufacture of finished leather product tanning, currying and finishing of hides and skins; and th processing of fur pelts. For example: footwear, handbag saddles, harnesses, luggage, etc.	s; ne	Α	11
LUMBERING	15		0
Logging Equipment Sawmill (Portable)		A A	8 6
Sawmill Machinery and Equipment (Permanent Mills) Includes lumber manufacturing.		A	10
MACHINERY AND MANUFACTURING Includes the manufacture of machinery such as engine and turbines; ball and roller bearings; farm, construction mining, food products, office, and paper industri machinery; compressors, pumps, blowers, industri patterns, process furnaces and ovens, service industri machines, and equipment used in machine shop Excludes the manufacture of electrical machinery.	es n, ry al ry	Α	10
MANUFACTURED HOME MANUFACTURING	18	В	10



MAJOR CATEGORY Page	Schedule	Life
MEAT PRODUCTS - MANUFACTURING, PACKAGING AND PROCESSING 17 MEDICAL EQUIPMENT 19 Includes medical, dental, nursing home, hospital, veterinarian, laboratory and pharmaceutical machinery and equipment. 19	A C	12 10
CAT Scan & MRI Equipment19	С	6
<u>METAL WORKING MACHINERY</u>	А	12
<u>MINING, QUARRYING AND PROCESSING (METAL AND NON-METAL)</u>		
Cranes, Shovels and Drag Lines	А	25 12 8
A. <u>Metal:</u> Metal Processing Plants (Ex. Custom Smelters)		20 15
Mining Equipment17		10
 B. <u>Non-Metal</u>: Granite Quarrying and Processing		9 10
Portable Sand and Gravel Units	А	8
MISCELLANEOUS MANUFACTURING	Α	12
MODULAR OFFICE AND STORAGE SPACE	В	10



MAJOR CATEGORY	<u>Page</u>	Schedule	Life
MORTUARY AND CEMETERY EQUIPMENT MOTOR VEHICLE PARTS AND ACCESSORIES	18 s, У	B B	10 12
OFFICE FURNITURE, FIXTURES, MACHINES AND EQUIPMENT Includes mailing and postage machines, fax machine burglar alarms, fire alarms, office furniture, securit systems, etc. It does not include personal computers.	s,	К	10
<u>PAPER AND ALLIED PRODUCTS</u> A. Paper Finishing and Converting Includes the finishing and converting of paper into cartons, bags, envelopes, and other similar products	0	А	12
B. Pulp and Paper Includes the manufacture of pulp and pulp produc from wood, rags, and other fibers. Also included the manufacture of paper and paperboard products.	ts	А	16
<u>PERSONAL CARE SERVICES</u> Includes tanning, massage, manicure, pedicure, body a (tattoo and piercing), and other related salon, spa an barbershop equipment.	rt	В	10
<u>PETROLEUM PRODUCTS MANUFACTURING</u> Includes equipment used in manufacturing asphal roofing materials, lubricating oil and grease products, etc	t,	А	14
PETROLEUM AND GAS	17		14
Natural Gas and Helium Production Plants Oil and Gas Well Production Equipment Includes well head equipment, gathering pipelines an related storage facilities.	17	A A	14 14
Petroleum Refining Plants			16
Petroleum Storage Facilities Propane Gas Tanks and Distribution Equipment		A B	16 25
Petroleum Storage Facilities	17	А	16



MAJOR CATEGORY	Page	Schedule	Life
<u>PHOTOGRAPHIC</u> Automatic Film Processing Equipment Includes 1-hour photo type.	19	С	9
Self-service Digital Input Photo Equipment	19	С	6
<u>PLASTIC PRODUCTS</u> Includes the manufacture of processed, fabricated an finished plastic products as well as the manufacture of basic plastic materials such as plastic bottles, Styrofoar cups and packaging materials, plastic pipe, tubing, plastic screen, fiberglass bathroom fixtures, etc.	d of n	А	11
<u>PRIMARY METAL INDUSTRIES</u> Includes most hot metal processes such as the manufactur of foundry products, castings, forgings, sheet metal, pip tubing, structural shapes and wire.			
Ferrous - Iron	17	А	18
Non-ferrous - Aluminum, Copper		А	14
<u>PRINTING AND PUBLISHING</u> Includes printing, publishing, lithography, and printin services such as bookbinding, typesetting, phot engravings, and electrotyping.	g	Α	11
Note: Electronic data processing and other computer equipmed be listed and appraised separately.	ient us	ed in publisł	ning should
PROFESSIONAL EQUIPMENT (MISCELLANEOUS)	18	В	10

PROFESSIONAL EQUIPMENT (MISCELLANEOUS)18 B	10
Includes architects, accountants, engineers, photographic	
studio equipment, taxidermists, hobby and craft shops,	
graphic design illustrations, etc.	

<u>PROFESSIONAL LIBRARIES</u> Not Scheduled Accountants, Architects, Engineers, Law, Medical, etc.

Note: Used volumes in good saleable condition should be appraised at 1/3 of original cost, regardless of age.

^{*} Indicates a change from the previous year's publication.



MAJOR CATEGORY	<u>Page</u>	Schedule	Life
<u>REFRIGERATION EQUIPMENT</u> Vacuum Cooling Stationary Vacuum Cooling Portable	18	B B B	10 10 8
<u>RENTAL EQUIPMENT</u> The equipment covered by this schedule consists of, but in not limited to, the following: hand tools, portable gasolim powered equipment, service equipment, small mixer lawn and garden equipment, printing equipment, lease furniture and fixtures, etc. These schedules are also for property which is typically rented on an hourly or dail basis.	is e s, d or	Р	5
<u>REPAIR SHOP EQUIPMENT</u> Includes electrical, watch, clock, jewelry, radio, TV upholstery, furniture, household appliances, welding locksmith, shoe, etc.	Ζ,	А	10
RESTAURANT, BAR AND SODA FOUNTAIN <u>EQUIPMENT</u> Includes all eating and drinking establishments sellin prepared food and/or drinks, as well as equipment installe on food trucks.	g	Е	10
<u>RUBBER</u> <u>PRODUCTS</u> Includes the manufacture of finished rubber products.	17	А	14
<u>SCALES</u> 10 - 25 Tons Less than 10 Tons Portable	17	A A A	20 10 10
SCHOOL EQUIPMENT	20	D	10
<u>SCRAP METAL</u> Equipment used in the cutting, wrecking, and storing or scrap metals.		А	10



MAJOR CATEGORY	<u>Page</u>	Schedu	<u>le Life</u>
SIGNS OTHER THAN BILLBOARDS Includes on and off premise signs erected for the purpose of information and direction. If the sign is considered "logo" type, it should be listed at historical cost are depreciated on a 10 to 20-year life.	se a	N	10 - 20
STONE AND CLAY PRODUCTS EXCEPT CEMENT Includes the manufacture of structural clay products such as brick, tile, pipe, etc. The category also includes potter and related products such as vitreous china, plumbir fixtures, earthenware, ceramic insulating materials, aspha building materials, gypsum and plaster products, cut ar finished stone and abrasives, asbestos, and miscellaneou non-metallic mineral products.	ch cy ng nlt nd	A	15
STORE EQUIPMENT A. Retail, Wholesale and Supply Includes general merchandise, building material hardware, apparel, accessory, furniture, hom furnishings, equipment, jewelry, food, grocer wholesale, supply, and miscellaneous retail stor equipment, etc.	s, ne y,	D	10
 B. Point of Sale (POS) and Proprietary Computerized POUnits Includes peripherals, hand held computers are electronic cash registers. It <u>does not</u> include person computers used as POS terminals or computers actin as servers. See <i>Data Processing Equipment</i>. 	20 1d al	D	6
STRAIGHT LINE SCHEDULES	of	Ν	
TELECOMMUNICATIONS SWITCH MANUFACTURIN			
Switch Manufacturing Equipment Switch Testing Equipment		U U	8 6
		_	-
<u>TESTING EQUIPMENT</u> Includes equipment used in research and development.	25	R	8



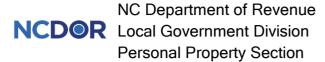
MAJOR CATEGORY	Page	Schedule	Life
<u>TEXTILE MILL PRODUCTS</u> Includes the manufacture of spun, woven or processo yarns and fabrics from natural or synthetic fibers.		А	10
Textile finishing and dying	17	А	8
<u>Note:</u> For idle equipment see <i>Idle Equipment</i> . A 5% residue 2009 and earlier remains applicable if deemed appropriate			
THEATER EQUIPMENT	20	D	10
<u>TOBACCO AND TOBACCO PRODUCTS</u> <u>MANUFACTURING</u>	17	А	15
TOOLS, MOLDS, DIES AND JIGS	g; ly ar ot or ne	Ν	2 - 7

<u>Note:</u> It will be necessary to determine from the manufacturer the average life of this category of property. Once the proper life has been determined, apply the straight-line Schedule N.

<u>TRANSPORTATION EQUIPMENT</u>	В	12
<u>VENDING EQUIPMENT</u>	Ν	6
Automatic Bulk Ice Vending Machines18	В	8
<u>WAREHOUSE MATERIALS HANDLING EQUIPMENT</u> 17 Includes forklifts and pallets.	А	10

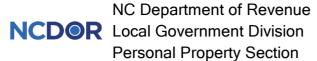


MAJOR CATEGORY	Page	Schedule	Life
<u>WASTE MANAGEMENT</u> Includes assets and equipment used in the collection ar management of household garbage and similar wast Green Box containers; toters; and similar equipment.	nd	В	8
<u>WIRE PRODUCTS MANUFACTURING</u> Establishments primarily engaged in the manufacture wire.		А	14
WOODWORKING EQUIPMENT	20	F	10



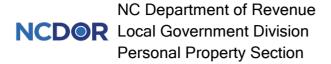
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				ç	Sche	dule	A Va	aluati	on T	able						
							al (C									
Percent Good Factors																
Year		Trend		Life												
Acq'd	Age	Factor	3	5	6	8	9	10	11	12	14	15	16	17	18	20
2022	1	1.00	67	80	83	87	89	90	91	92	93	93	94	94	94	95
2021	2	1.11	37	67	74	83	88	89	91	92	95	97	97	98	99	100
2020	3	1.29	25	52	65	81	86	90	94	97	102	103	104	106	107	110
2019	4	1.31		26	43	66	73	79	84	88	93	96	98	100	102	105
2018	5	1.34		25	25	50	59	67	72	78	86	90	92	95	96	101
2017	6	1.38				35	46	55	61	69	79	83	87	90	92	97
2016	7	1.39				25	31	42	50	58	70	74	78	82	85	90
2015	8	1.40					25	28	38	46	60	66	70	74	78	84
2014	9	1.43						25	26	36	51	57	63	67	72	79
2013	10	1.45							25	25	42	48	54	59	64	73
2012	11	1.47									31	40	46	51	57	66
2011	12	1.51									25	30	38	44	50	60
2010	13	1.54										25	29	35	43	54
2009	14	1.55											25	28	34	47
2008	15	1.57												25	27	39
2007	16	1.64													25	33
2006	17	1.69														25



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				S	Sched	lule I	3 Va	luatio	n Ta	ble					
				-				rigina							
	Percent Good Factors														
Year		Trend							Li	fe					
Acq'd	Age	Factor	3	5	6	7	8	10	11	12	20	25			
2022	1	1.00	67	80	83	86	87	90	91	92	95	96			
2021	2	1.11	37	67	74	79	83	89	91	92	100	102			
2020	3	1.18	5	47	59	67	74	83	86	89	100	104			
2019	4	1.21		25	40	52	61	73	77	81	97	102			
2018	5	1.24			25	36	46	62	67	72	93	99			
2017	6	1.28				25	32	51	56	64	90	97			
2016	7	1.29					25	39	46	54	84	93			
2015	8	1.30						26	35	43	78	88			
2014	9	1.33						25	25	33	73	85			
2013	10	1.35								25	68	81			
2012	11	1.37									62	77			
2011	12	1.39									56	72			
2010	13	1.41									49	68			
2009	14	1.43									43	63			
2008	15	1.45									36	58			
2007	16	1.49									30	54			
2006	17	1.51									25	48			
2005	18	1.56										44			
2004	19	1.58										38			
2003	20	1.61										32			
2002	21	1.64										25			



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				S	Scheo	dule (C Va	luatic	on Ta	ble		Schedule C Valuation Table											
					His	torica	al (Oi	rigina	I) Co	st													
	Percent Good Factors																						
Year		Trend		Life																			
Acq'd	Age	Factor	3	6	9	10	11	12	14														
2022	1	1.00	67	83	89	90	91	92	93														
2021	2	1.04	34	70	82	83	85	86	89														
2020	3	1.07	25	54	72	75	78	80	85														
2019	4	1.10		36	62	66	70	74	78														
2018	5	1.11		25	49	56	60	64	71														
2017	6	1.12			37	45	49	56	64														
2016	7	1.12			25	34	40	47	56														
2015	8	1.13				25	31	37	49														
2014	9	1.14					25	29	41														
2013	10	1.15						25	33														
2012	11	1.15							25														

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	Schedules D, E, F, G, Valuation Table														
				Sche	edules [D, E,	F, G	, Val	uation T	able					
					Histo	orical	(Ori	ginal) Cost						
					Pe	rcent	t Goo	od Fa	actors						
		Sche	dule	D	Sc	chedu	ıle E		Sc	hedu	le F		Schedule G		
Year		Trend	Li	fe	Trend	Life			Trend		Life		Trend		Life
Acq'd	Age	Factor	6	10	Factor 10			Factor		10		Factor		8	
2022	1	1.00	83	90	1.00		90		1.00		90		1.00		87
2021	2	1.10	74	88	1.14		91		1.10		88		1.12		84
2020	3	1.20	60	84	1.21		85		1.16		81		1.26		79
2019	4	1.21	40	73	1.23		74		1.17		70		1.27		64
2018	5	1.26	21	63	1.27		64		1.19		60		1.31		48
2017	6	1.28	15	51	1.29		52		1.24		50		1.34		34
2016	7	1.29		39	1.30		39		1.26		38		1.35		25
2015	8	1.31		25	1.31		25		1.27		25		1.36		

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	Schedules H, I, Valuation Table														
										Jie					
							•	•) Cost actors						
				Sol	nedule H		Schedule I								
Year		Trend		301	Life				Trend		30		Life		
	A c c		4	5	LIIC	, 10	20			5	8		LIIE	10	12
Acq'd		Factor							Factor	-					
2022	1	1.00	75	80		90	95		1.00	80	87			90	92
2021	2	1.09	55	65		87	98		1.10	66	83			88	91
2020	3	1.20	30	48		84	102		1.20	48	76			84	90
2019	4	1.24	25	25		74	99		1.20	25	60			72	80
2018	5	1.26				63	95		1.17		43			59	68
2017	6	1.28				51	90		1.20		30			48	60
2016	7	1.29				39	84		1.20		25			36	50
2015	8	1.29				25	77		1.17					25	39
2014	9	1.30					72		1.17						29
2013	10	1.31					66		1.17						25
2012	11	1.33					60		1.20						
2011	12	1.35					54		1.17						
2010	13	1.38					48		1.17						
2009	14	1.39					42		1.17						
2008	15	1.40					35		1.15						
2007	16	1.46					25		1.14						

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	Schedules J, K, L, Valuation Table														
						torical (
					Р	ercent (Good	Fac	tors						
		So	ched	ule J				Schedule L							
Year		Trend		Life		Trend	Li	fe			Trend		Li	fe	
Acq'd	Age	Factor	5	8	10	Factor	5	10			Factor	5	6	14	16
2022	1	1.00	80	87	90	1.00	80	90			1.00	80	83	93	94
2021	2	1.10	66	83	88	1.12	67	90			1.05	63	70	90	91
2020	3	1.28	51	81	90	1.21	48	85			1.12	45	56	88	91
2019	4	1.30	25	65	78	1.23	25	74			1.17	25	39	83	88
2018	5	1.33		49	67	1.27		64			1.18		25	76	81
2017	6	1.36		34	54	1.31		52			1.20			68	76
2016	7	1.38		25	41	1.33		40			1.18			59	66
2015	8	1.38			25	1.33		25			1.18			51	59
2014	9	1.39				1.37					1.19			43	52
2013	10	1.41				1.40					1.20			35	44
2012	11	1.42				1.41					1.20			25	37
2011	12	1.44									1.23				31
2010	13	1.46									1.25				25

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	Schedule M Valuation Table														
			Historical (O	• ,											
		Depre	eciation and Pe	1	ood Fa	actors									
Year			Pct.	Year			Pct.								
Acq'd	Age	Depreciation	Good	Acq'd	Age	Depreciation	Good								
2022	1	0.0	100.0	1997	26	25.0	75.0								
2021	2	0.5	99.5	1996	27	26.0	74.0								
2020	3	1.0	99.0	1995	28	27.5	72.5								
2019	4	1.5	98.5	1994	29	28.5	71.5								
2018	5	2.5	97.5	1993	30	30.0	70.0								
2017	6	3.0	97.0	1992	31	30.5	69.5								
2016	7	4.0	96.0	1991	32	31.5	68.5								
2015	8	5.0	95.0	1990	33	32.5	67.5								
2014	9	6.5	93.5	1989	34	33.5	66.5								
2013	10	8.0	92.0	1988	35	34.5	65.5								
2012	11	9.0	91.0	1987	36	36.0	64.0								
2011	12	10.0	90.0	1986	37	37.5	62.5								
2010	13	11.0	89.0	1985	38	38.5	61.5								
2009	14	12.0	88.0	1984	39	40.0	60.0								
2008	15	12.5	87.5	1983	40	42.0	58.0								
2007	16	13.5	86.5	1982	41	43.5	56.5								
2006	17	14.5	85.5	1981	42	44.5	55.5								
2005	18	16.0	84.0	1980	43	45.5	54.5								
2004	19	17.5	82.5	1979	44	47.0	53.0								
2003	20	18.5	81.5	1978	45	48.0	52.0								
2002	21	19.5	80.5	1977	46	49.5	50.5								
2001	22	20.0	80.0	1976	47	50.5	49.5								
2000	23	21.5	78.5	1975	48	52.0	48.0								
1999	24	22.5	77.5	1974	49	55.0	45.0								
1998	25	23.5	76.5	1973	50	60.0	40.0								

Note: Vaults, vault doors, additions, inner gates and vent fans depreciate the same as the main building. The depreciation factors above should only be used when this property is not included in the building valuation.



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							chedu												
							Histor	•	•	,									
						Stra	ight-L	ine D	eprec			le							
Year		~	0	4	-	0	-	0	0	Life		10	10		45	10	47	00	05
Acq'd	Age		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	20	25
2022	1	50	67	75	80	83	86	87	89 70	90	91	92	92 84	93	93	94 87	94	95	96
2021 2020	2 3	0	33 0	50 25	60 40	67 50	71	75 63	79 67	80 70	82 73	83 75	-	86 79	87 80	87 81	88 82	90 95	92 88
2020	3 4		U	25 0	40 20	33	57 43	50	67 56	70 60	73 64	75 67	77 69	79	80 73	75	o∠ 76	85 80	00 84
2019	4 5			0	20	17	43 29	37	50 44	50	64 54	58	69 61	64	67	75 69	70	75	80
2018	6				U	0	14	25	33	40	44	50	54	57	60	63	65	70	76
2017	7					U	0	13	22	30	36	42	46	50	53	56	59	65	72
2010	8						U	0	11	20	27	33	38	43	47	50	53	60	68
2010	9							U	0	10	18	25	31	36	40	44	47	55	64
2013	10								Ū	0	9	17	23	29	33	37	41	50	60
2012	11										0	8	15	21	27	31	35	45	56
2011	12											0	8	14	20	25	29	40	52
2010	13												0	7	13	19	23	35	48
2009	14													0	7	13	18	30	44
2008	15														0	6	12	25	40
2007	16															0	6	20	36
2006	17																0	15	32
2005	18																	10	28
2004	19																	5	24
2003	20																	0	20
2002	21																		16
2001	22																		12
2000	23																		8
1999	24																		4
1998	25																		0

Note: Use a 25% residual value when applying these schedules.

2023 Cost Index and Depreciation Schedules

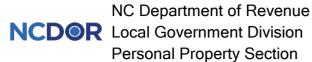
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			Sche	edules F	P, Q, R, S, Val	uation T	able								
	Historical (Original) Cost														
	Percent Good Factors														
		Sche	edule P	Sc	hedule Q	Sc	hedule R	Sche	dule S						
Year		Trend	Life	Trend	Life	Trend	Life	Trend	Life						
Acq'd	Age	Factor	5	Factor	5	Factor	8	Factor	5						
2022	1	1.00	80	1.00	80	1.00	87	1.00	80						
2021	2	1.12	67	1.00	60	1.06	80	1.11	67						
2020	3	1.17	47	1.00	40	1.08	68	1.12	45						
2019	4	1.18	25	1.00	25	1.10	55	1.13	25						
2018	5	1.22				1.13	42	1.14							
2017	6	1.23				1.15	29	1.13							
2016	7	1.23				1.17	25	1.13							

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Schedule T Valuation Table															
	Historical (Original) Cost														
			Percent	· •	,										
	Year		Trend	. 6000	Life	015	Year		Trend	1	fe				
	Acq'd	۸ao	Factor	18	28	28	50								
	2022	Age 1	1.00	94	96	50 98	Acq'd 1997	Age 26	Factor 2.50	25	120				
	2022	2	1.38	123	128	132	1996	20	2.50	20	119				
	2021	3	1.40	116	125	131	1995	28	2.67		117				
	2020	4	1.43	111	123	132	1994	29	2.74		115				
	2018	5	1.44	104	119	130	1993	30	2.80		112				
	2017	6	1.51	101	119	133	1992	31	2.82		107				
Note: When the rate of	2016	7	1.68	102	126	144	1991	32	2.93		105				
inflation is greater than	2015	8	1.74	97	124	146	1990	33	3.13		107				
the rate of depreciation,	2014	9	1.85	92	125	151	1989	34	3.34		107				
the calculated perecent	2013	10	1.89	84	122	151	1988	35	3.44		103				
good factor will exceed	2012	11	1.94	75	118	151	1987	36	4.12		115				
100. When this occurs,	2011	12	1.95	65	111	148	1986	37	4.48		116				
the assessed value will	2010	13	1.94	54	104	143	1985	38	4.69		112				
be higher than the listed	2009	14	1.97	44	99	142	1984	39	5.02		110				
cost when appraising	2008	15	1.99	33	92	139	1983	40	5.70		114				
using the cost approach.	2007	16	2.01	25	86	137	1982	41	5.95		107				
	2006	17	2.05		81	136	1981	42	7.04		113				
	2005	18	2.08		74	133	1980	43	7.30		102				
	2004	19	2.09		67	130	1979	44	7.61		91				
	2003	20	2.15		61	129	1978	45	8.10		81				
	2002	21	2.19		55	127	1977	46	8.70		70				
	2001	22	2.22		48	124	1976	47	9.11		55				
	2000	23	2.25		40	121	1975	48	9.53		38				
	1999	24	2.29		33	119	1974	49	9.91		25				
	1998	25	2.39		26	120	1973	50	9.95						



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	Schedule U Valuation Table																
								Origina									
					1												
					-		cent	Good Fa		S			-	1	1	1	
Year		Trend	Life	Trend		Life	1	Trend	Life								
Acq'd	Age	Factor	5	Factor	6	8	12	Factor	10								
2022	1	1.00	80	1.00	68	72	92	1.00	90								
2021	2	0.99	59	1.00	51	60	84	0.99	79								
2020	3	1.03	41	1.00	35	48	70	0.98	69								
2019	4	1.06	21	1.00	18	35	62	0.99	59								
2018	5	1.08	5	1.00	11	23	54	0.99	50								
2017	6	0.99		1.00	5	15	44	1.00	40								
2016	7	0.99		1.00			35	0.99	30								
2015	8	0.98		1.00			27	0.98	20								
2014	9	0.93		1.00			20	0.99	15								
2013	10	0.88		1.00			15										