

Roy Cooper Governor Ronald G. Penny Secretary

MEMORANDUM

- To: Users of the Cost Index and Depreciation Schedules
- From: Megan M. Williford, Property Valuation Specialist I
- Date: November 27, 2023
- Re: 2024 Cost Index and Depreciation Schedules

Attached you will find the 2024 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, 2024. There were no changes this year, other than the usual percent good factor adjustments.

There were a few minor changes this year, other than the usual percent good factor adjustments. These changes are for appraisals as of January 1, 2024, and forward, and are not retroactive. The changes have been marked with an asterisk in the Cost Index and are as follows:

- 1. On Index page 1, under the category *Aerospace Industry*, added a note on the improper use of the indicated schedule for the appraisal of aircraft.
- 2. On Index page 1, under the category *Amusement and Recreation Equipment*, updated the subcategory *Boats* to specify bumper and pedal. This category does not apply to watercraft.
- 3. On Index page 7, added the category *Expensed Assets*, with a recommended Schedule A-8.
- 4. On Index page 10, under the category *Medical Equipment*, mammogram machines were added to the subcategory for CAT Scan and MRI equipment on the Schedule C-6.
- 5. On Index page 11, under the category *Motor Vehicle Parts and Accessories*, added a note on the improper use of the indicated schedule for the appraisal of motor vehicles.

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- 6. On Index page 13, under the category *Restaurant, Bar and Soda Fountain Equipment*, the subcategory *Televisions* was created with a recommended Schedule B-5 for assessment consistency with other business types.
- 7. On Index page 15, under the category *Textile Mill Products*, provided further detail in the note section on application of a reduced residual.
- 8. On Index page 16, changed the category *Warehouse Materials Handling Equipment* to *Warehouse and Distribution Centers*, with a recommended Schedule A-10. The description was updated to provide additional detail.
- 9. On Index page 16, added the category *Water, Wastewater and Sewage Treatment*, with a recommended Schedule T-18.

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..." 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.

2024 Cost Index and Depreciation Schedules





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

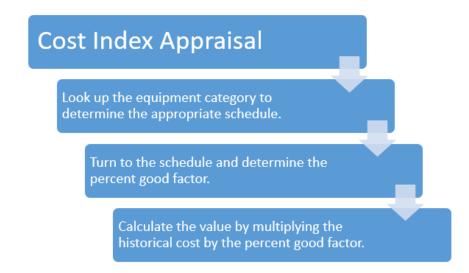


the owner's accounting records. Historical cost is the full economic cost of an asset and includes <u>all</u> costs associated with constructing the asset and making it ready for its intended use.

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 2017. What is the value of this equipment on January 1, 2024?

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

NCDØR	NC Department of Revenue Local Government Division Person 2024 Cost Index and Depreciation S			(
MAJOR CATEGO	DRY	Page	Schedule	Life
Exploration and	MENT (GAS, PETROLEUM & WAT Drilling Equipment er activated well drilling equipment that vehicles.	17	А	6
DRONES			в	5
DRY CLEANING	AND LAUNDRY EQUIPMENT			
Self-Serve (Coi	n/Card Operated)		В	6
Commercial			В	10
Leased and Ren	ted Linens and Uniforms	24	Ν	2

2. Turn to Schedule B on page 18 and locate the 10 year life column. Use the 2017 acquisition year to find the intersection point with the useful life column and determine the percent good factor.

NCDOR		Local G	partment of Revenue Government Division al Property Section							Index Page 18 Effective 1/1/2024			4		
0				5	Schee	lule I	B Val	luatio	n Ta	ble					
								-	l) Co						
Year	3	Trand	-		P	erce	nt Go	od F	acto	-					
Acq'd	Age	Trend Factor	3	5	6	7	8	10		fe 12	20	25			
2023	1	1.00	67	80	83	86	87	90	91	92	95	96		T	1
2022	2	1.03	34	62	69	73	77	82	84	85	93	95			
2021	3	1.14	5	46	57	65	72	80	83	86	97	100			
2020	4	1.21		25	40	52	61	73	77	81	97	102			_
2019	5	1.25			25	36	46	63	68	73	94	100			
2018	6	1.28				25	32	51	56	64	90	97			
2017	7	1.32					25	40	48	55	86	95			
2016	8	1.33						27	36	44	80	90			

3. Value = Historical Cost x Percent Good Factor

 $Value = $100,000 \ge 0.40$ Value = \$40,000



MAJOR CATEGORY	Page	Schedule	Life
<u>* AEROSPACE INDUSTRY</u> Primarily engaged in the manufacture of aircraf spacecraft, rockets, missiles and component parts.		В	8
<u>Note:</u> This category should not be used for the assessment of appraised at market value using comparable sales	aircra	ft. Aircraft s	should be
AIR CONDITIONING EQUIPMENT			
Heat Pumps - All Sizes	18	В	7
Large - 20 Tons and Over	18	В	20
Medium and Small - Under 20 Tons	18	В	10
AIRPORT GROUND EQUIPMENT	18	В	10
Unlicensed Vehicles	18	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		B	10
Bumper and Pedal Boats		B	5
Bowling Alleys & Lottery Ticket Sales Equipment .		B	8
Coin Operated Electronic Games (Video Games)		B	3
Dance Studio		В	10
Gymnasium (Health Clubs)		В	10
Internet Sweepstakes, Video Poker Machines		В	5
Mobile Gaming Units		В	5
Museum		В	10
Music Machines, Pay-per-play Jukeboxes (includes	10	В	5
digital), Karaoke Machines		В	
Race Track		B	10 3
Rental Video Tapes, DVD's and Games Theme Parks and Waterparks (Rides, Attractions,	10	Б	3
Waterslides, Roller Coasters, Alpine Coasters, etc.).	18	В	12
Video Rental Tape Player		В	3
B. Golf Carts	18	В	5
C. Miniature Golf Courses	18	В	10
D. Average All (Variety)	18	В	7



MAJOR CATEGORY	<u>Page</u>	Schedule	Life
APARTMENT AND ROOMING HOUSE (FF&E)	20	G	8
<u>APPAREL AND OTHER FINISHED PRODUCTS</u> <u>MANUFACTURED FROM FABRICS, FABRICATED</u> <u>TEXTILE PRODUCTS AND SIMILAR MATERIALS</u>			
Fabrics – Knitwear, Furs and Diapers	17	А	9
Leather Apparel	17	А	11
Miscellaneous Textile Products - Draperies and Canvas		А	9
Rubber Apparel		А	14
<u>ASPHALT ROOFING MATERIALS</u> (EQUIPMENT USED TO MANUFACTURE) See Petroleum Products Manufacturing.			
AUTOMOBILE REPAIR AND SERVICE EQUIPMENT			
Car Wash (Automatic or Coin Operated)	22	J	5
Electric Vehicle Charging Stations		J	8
Portable Service Station Equipment		J	10
Recapping, Retreading and Rebuilding Tires		J	8
Service Stations, Garages and Body Shops		J	10
Service Station Leak Detection Equipment		J	8
Service Station Test Equipment		J	8
BAKERIES - RETAIL (BAKING AND SELLING)	17	А	10
BANKS & SAVINGS AND LOAN EQUIPMENT			
Automated Teller Machines (ATM)	21	Н	5
Check Scanners		H	10
Closed Circuit TV - Pneumatic		Н	4
Currency Lockers		Н	20
Currency Processing Solution Safe		Н	20
Drive in Windows and Night Depository		Н	10
Inner Gates		M	50
Portable Vaults, Vault Doors		M	50
Safe Deposit Box		H	20
Teller Lockers		Н	20
Teller Service Areas and Systems		Н	10
Vent Fans and Additions		M	50
Visual Pneumatic		Н	10



MAJOR CATEGORY

Page Schedule Life

BILLBOARDS - See the Billboard Structures Valuation Guide online https://www.ncdor.gov/reports-and-statistics/billboard-structure		tion-guide
BOAT BUILDING		
Boat Construction, Repair and Conversion	В	12
Fiberglass Boat Molds	B	3
	_	-
BOAT DOCKS (Where Classified as Personalty)		
Steel or Other Metal Construction	В	20
Wood and Foam18	В	5
BOTTLING PLANT EQUIPMENT	А	12
Manufacture, bottling or canning of soft drinks, fresh fruit	A	12
drinks, mineral and distilled waters, carbonated beverages.		
<u>BROADCASTING - RADIO AND TV EQUIPMENT</u>		
Analog Television Broadcasting Equipment18	В	5
Studio Broadcasting Equipment18	В	6
Transmitting Towers18	В	25
CABLE MANUFACTURING	Ι	10
Manufacture of fiber optic, coaxial, and data cable.	1	10
Includes coaxial, 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,		-
Amplifiers, Couplers, Splitters)	U	5
Head-end Equipment, Hub Equipment	U	5
Subscriber Connections (Set-top Boxes, Modems, External House Drops)	U	5
Towers, Antennas, Dishes	B	25
	D	20
<u>CELLULAR EQUIPMENT</u>		
A. Analog18	В	3
Includes antenna cell site and cell equipment.		
B. Digital27	U	6
B. Digital	U	0
digital, tools and testing equipment, telephones,		
pagers, and antennas. (Includes 2G and 3G equipment		

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



MAJOR CATEGORY	Page	Schedule	Life
in jurisdictions where the carrier <u>HAS NOT</u> deployed 4G or newer generation equipment in the jurisdiction.)			
C. Digital: Certain Obsolete Equipment Includes obsolete, yet functioning, 2G and 3 equipment if the carrier <u>HAS</u> deployed 4G or new generation equipment in that jurisdiction.	G	В	3
D. Power Supply, PBX (Internal Phone System), Cabine	ts,		
Microwave Antennas	18	В	10
E. Towers, Concrete Structures Housing Cell Equipmer	ıt18	В	25
CEMENT MANUFACTURING AND CONCRETE PROL	DUCTS	<u>.</u>	
Cement Manufacturing Plants	17	А	20
Concrete Products Manufacturing (Blocks, Pipe, etc.)	17	А	12
Mixers (Truck Mounted)		А	6
Portable Ready Mix Plants		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>	Ι	8

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MAJOR CATEGORY	<u>Page</u>	Schedule	Life
CONTRACTOR'S EQUIPMENT			
Barricades and Warning Devices	17	А	3
Cranes to 50 Tons, Shovels to 8 Cubic Yards		А	10
Cranes, Shovels, and Drag Lines	18	В	25
General Construction - Highway, Dams, etc	17	А	8
Portable Asphalt Batch Plants		А	6
Special Trade Contractors: Electrical Heating, Plumbing,			
Painting, Framing & Carpentry	17	А	10
Stationary Asphalt Batch Plants	17	А	14
<u>COPYING AND PRINTING EQUIPMENT</u> Includes computer printers, network computer printers copiers, scanners, multi-functioning devices, desktop 3-I printers, portable commercial printing equipment, and leased copying and printing equipment.	s, D	U	5
Industrial/Commercial 3-D Printers	17	Α	11
<u>COTTON GINS AND COMPRESSES</u> Cotton gin machinery for removing seeds from raw cotto Cotton compresses are machines used to bale cotton after	n.	A ng.	12
CRYPTOCURRENCY MINING	27	U	8
DATA PROCESSING EQUIPMENT	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.

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



MAJOR CATEGORY

Page Schedule Life

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%.

DRILLING EQUIPMENT (GAS, PETROLEUM & WATER) Exploration and Drilling Equipment	А	6
<u>DRONES</u>	В	5
DRY CLEANING AND LAUNDRY EQUIPMENT Self-Serve (Coin/Card Operated)	B B N	6 10 2
ELECTRIC ENERGY GENERATION EQUIPMENT A. Biomass-Renewable Organic Matter Electricity Generating Equipment	Т	18
B. Hydro-electric Generating Equipment26	Т	50
 C. Natural Gas-Fired and Combined Cycle Electrical Generating Equipment	T T	18 18
 E. Steam Powered Electric Generating Equipment	T	28
F. Thermal Solar Electric Generating Equipment26	Т	18
G. Wind Power Electricity Generation Systems	Т	18



MAJOR CATEGORY	Page	Schedule	Life
ELECTRICAL EQUIPMENT. Includes the manufacture of electrical household appliances, batteries, and machinery used in the generation and utilization of electric energy.	d	Ι	10
<u>ELECTRONIC EQUIPMENT</u> A. Manufacturing of electronic communication, detection guidance, control, radiation computation, test and navigation equipment	d	I	8
B. Manufacturers engaged only in the purchase and assembly of electronic components		Ι	12
C. Semi-Conductor Manufacturing	27	U	6
D. Semi-Conductor Testing Equip	27	U	8
E. Vapor De-pollution System	17	А	5
<u>* EXPENSED ASSETS</u>	17	А	8
<u>FABRICATED METAL PRODUCTS</u> Includes the manufacture of fabricated metal product such as cans, tin ware, hardware, metal structural products architectural and ornamental metalwork, nuts, bolts, meta awnings, portable metal structures, etc.	s 5,	А	12
<u>FARM AND RANCH MACHINERY AND EQUIPMENT</u> . Includes all farm implements, machinery and equipment used in the production of crops and animals, on the farm processing of feeds, poultry and swine house equipment tractors, combines, and cotton harvesters.	ıt n	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 MANUFACTURING21I8Manufacturers of glass fiber for fiber optics.8

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



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MAJOR CATEGORY

Page Schedule Life

<u>FOOD, BEVERAGE AND KINDRED PRODUCTS</u> (MANUFACTURING, PACKAGING, AND PROCESSING)		
Bakery Products	А	12
Brewery and Distillery, Winery Equipment	A	12
Canned, Preserved Fruits and Vegetables	A	12
Confectionery and Related Products	A	12
Creamery and Dairy Products	A	12
Grain Mill Products	A	17
Includes assets used in the production of flours, cereals,		
livestock feeds, and other grain and grain mill products;		
large hammer mills.		
Grain Tanks17	А	15
Miscellaneous Food Preparations (Examples: Honey,		
Potato Chips, Pet Food)17	А	12
Sugar and Sugar Products	А	18
Vegetable Oil Products	А	18
<u>FURNITURE MANUFACTURE OF WOOD PRODUCTS,</u> (EXCLUDES LUMBER MANUFACTURING)	А	10
GLASS AND GLASS PRODUCTS	А	14
(EXCLUDES MANUFACTURE OF LENSES)	A	14
Manufacture of Mirrors17	А	10
HOTEL, MOTEL AND RESORT EQUIPMENT	D	10
Televisions	B	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.

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



MAJOR CATEGORY

Page Schedule Life

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.

INSTRUMENTS (PROFESSIONAL, SCIENTIFIC & CONTROLLING, PHOTOGRAPHIC AND OPTICAL, WATCHES AND CLOCKS)	В	12
LANDSCAPING EQUIPMENT17	А	8
<u>LEASED OFFICE BUSINESS MACHINES</u>	S	5
<u>LEATHER AND LEATHER PRODUCTS</u>	Α	11
LUMBERING		
Logging Equipment17	А	8
Sawmill (Portable)17	А	6
Sawmill Machinery and Equipment (Permanent Mills) 17 Includes lumber manufacturing.	A	10
MACHINERY AND MANUFACTURING	А	10

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



MAJOR CATEGORY	<u>Page</u>	Schedule	Life
machines, and equipment used in machine shops Excludes the manufacture of electrical machinery.	5.		
MANUFACTURED HOME MANUFACTURING	18	В	10
<u>MEAT PRODUCTS - MANUFACTURING, PACKAGING</u> <u>AND PROCESSING</u>	<u>.</u> 17	А	12
<u>* MEDICAL EQUIPMENT</u> Includes medical, dental, nursing home, hospital veterinarian, laboratory and pharmaceutical machiner and equipment.	,	С	10
CAT Scan, MRI, & Mammogram Machines	19	С	6
<u>METAL WORKING MACHINERY</u> Manufacture of metal cutting, grinding, forming machines, jigs, dies, fixtures and accessories.		А	12
<u>MINING, QUARRYING AND PROCESSING (METAL AND NON-METAL)</u>			
Cranes, Shovels and Drag Lines		В	25
Environmental Equipment		A	12
Foil Manufacturing	17	А	8
A. <u>Metal:</u>	17		•
Metal Processing Plants (Ex. Custom Smelters) Milling and Chemical Plant Equipment		A A	20 15
Mining Equipment.		A	10
	1 /	1	10
B. <u>Non-Metal</u> :	17	•	9
Granite Quarrying and Processing Mining and Quarrying		A A	9 10
Includes non-metallic minerals such as sand and gravel, ceramic clay, cinder, stone (other that granite), chemicals, and fertilizers. Portable Sand and Gravel Units	d n	A	8
	•••• 1 /	11	0
<u>MISCELLANEOUS</u> <u>MANUFACTURING</u> Industries engaged in manufacturing the following jewelry, silverware and plated ware, musical instruments	;:	А	12



MAJOR CATEGORY Page Schedule Life toys, amusement, sporting and athletic goods, pens, pencils, and other artist's materials, costume jewelry, notions, brooms and brushes, firearms, etc. В 10 Includes transportable, pre-fab structures. MORTUARY AND CEMETERY EQUIPMENT18 В 10 В 12 Includes the manufacture of custom automobiles, vans, special truck bodies, catering, garbage, etc. The category also includes the manufacture of parts and accessories such as brake pads, shock absorbers, trailer hitches, etc.

<u>Note:</u> This category should not be used for the assessment of motor vehicles. Motor vehicles should be appraised at market value using comparable sales.

OFFICE FURNITURE, FIXTURES, MACHINES AND EQUIPMENT	K	10
 <u>PAPER AND ALLIED PRODUCTS</u> A. Paper Finishing and Converting	А	12
B. Pulp and Paper	А	16
<u>PERSONAL CARE SERVICES</u>	В	10



MAJOR CATEGORY	<u>Page</u>	Schedule	Life
<u>PETROLEUM PRODUCTS MANUFACTURING</u> Includes equipment used in manufacturing asphal roofing materials, lubricating oil and grease products, etc	lt,	А	14
PETROLEUM AND GAS			
Natural Gas and Helium Production Plants	17	А	14
Oil and Gas Well Production Equipment Includes well head equipment, gathering pipelines an related storage facilities.		А	14
Petroleum Refining Plants	17	А	16
Petroleum Storage Facilities		А	16
Propane Gas Tanks and Distribution Equipment	18	В	25
NUOTO CRANUC			
<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 and finished plastic products as well as the manufacture of basic plastic materials such as plastic bottles, Styrofoan cups and packaging materials, plastic pipe, tubing, plast screen, fiberglass bathroom fixtures, etc.	nd of m	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 Non-ferrous - Aluminum, Copper		A A	18 14
<u>PRINTING AND PUBLISHING</u> Includes printing, publishing, lithography, and printing services such as bookbinding, typesetting, photo engravings, and electrotyping.	ıg	A	11

<u>Note:</u> Electronic data processing and other computer equipment used in publishing should be listed and appraised separately.



MAJOR CATEGORY	Page	Schedule	Life
<u>PROFESSIONAL EQUIPMENT (MISCELLANEOUS)</u> Includes architects, accountants, engineers, photograph studio equipment, taxidermists, hobby and craft shop graphic design illustrations, etc.	ic	В	10
PROFESSIONAL LIBRARIES	No	ot Scheduled	1
Note: Used volumes in good saleable condition should be regardless of age.	apprais	ed at $1/3$ of	f original cost,
REFRIGERATION EQUIPMENT	18	В	10
Vacuum Cooling Stationary		B	10
Vacuum Cooling Portable		B	8
v deddin Cooning i orddole	10	D	0
RENTAL EQUIPMENT. The equipment covered by this schedule consists of, but not limited to, the following: hand tools, portable gasolin powered equipment, service equipment, small mixer lawn and garden equipment, printing equipment, lease furniture and fixtures, etc. These schedules are also f property which is typically rented on an hourly or dai basis.	is ne rs, ed for	Р	5
<u>REPAIR SHOP EQUIPMENT</u> Includes electrical, watch, clock, jewelry, radio, T upholstery, furniture, household appliances, weldin locksmith, shoe, etc.	V,	Α	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 installed on food trucks.	ng	Е	10
Televisions	18	В	5
<u>RUBBER PRODUCTS</u> Includes the manufacture of finished rubber products.	17	А	14



MAJOR CATEGORY	Page	Schedu	<u>le Life</u>
SCALES 10 - 25 Tons Less than 10 Tons	17	A A	20 10
Portable	17	А	10
SCHOOL EQUIPMENT	20	D	10
<u>SCRAP METAL</u> Equipment used in the cutting, wrecking, and storing or scrap metals.		А	10
SIGNS OTHER THAN BILLBOARDS Includes on and off premise signs erected for the purpos of information and direction. If the sign is considered "logo" type, it should be listed at historical cost an depreciated on a 10 to 20-year life.	se a	Ν	10 - 20
STONE AND CLAY PRODUCTS EXCEPT CEMENT Includes the manufacture of structural clay products suc as brick, tile, pipe, etc. The category also includes potter and related products such as vitreous china, plumbin fixtures, earthenware, ceramic insulating materials, aspha building materials, gypsum and plaster products, cut an 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, grocery wholesale, supply, and miscellaneous retail stor equipment, etc.	s, ne y,	D	10
B. Point of Sale (POS) and Proprietary Computerized PO Units Includes peripherals, hand held computers an electronic cash registers. It <u>does not</u> include persona computers used as POS terminals or computers actin as servers. See <i>Data Processing Equipment</i> .	20 nd al	D	6

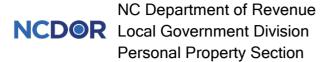


MAJOR CATEGORY	Page	Schedule	Life
STRAIGHT LINE SCHEDULES	of	Ν	
<u>TELECOMMUNICATIONS</u> <u>SWITCH MANUFACTURIN</u> Switch Manufacturing Equipment Switch Testing Equipment	27	U U	8 6
<u>TESTING EQUIPMENT</u> Includes equipment used in research and development.	25	R	8
<u>* TEXTILE MILL PRODUCTS</u> Includes the manufacture of spun, woven or processe 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 and earlier remains applicable if deemed appropriate by the machinery and equipment used for yarn spinning, fabric ke finishing. Non-woven materials should be assessed on the 25% residual. See <i>Apparel and Other Finished Products</i> .	e appra	iser. This i and weavin	includes 1g, or dye and
THEATER EQUIPMENT	20	D	10
<u>TOBACCO AND TOBACCO PRODUCTS</u> <u>MANUFACTURING</u>	17	А	15
<u>TOOLS, MOLDS, DIES AND JIGS</u> Special tools are defined as tools used in manufacturin such as molds, dies, and jigs which are specifical designed for the production or processing of particul parts and have no significant utilitarian value and cann be adapted to a further or different use after changes improvements are made in the model design of th particular part produced by the special tools. This category excludes general purpose small tools.	g; ly ar ot or he	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.

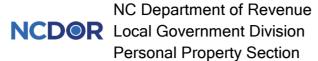


MAJOR CATEGORY	Page 1	Schedule	Life
<u>TRANSPORTATION EQUIPMENT</u> This category includes the manufacture of motor home campers, and motorcycles.		В	12
<u>VENDING EQUIPMENT</u> Includes food, beverages, cigarettes, change, newspapers photo, stamps, breathalyzer, cellphone analysis, movies, games, tools, keys, used electronics, etc.		Ν	6
Automatic Bulk Ice Vending Machines	18	В	8
* WAREHOUSE AND DISTRIBUTION CENTERS Establishments primarily engaged in operatin merchandise warehousing and distribution facilitie Includes warehouse material handling equipment, suc as forklifts and pallets.	ıg s.	Α	10
<u>WASTE MANAGEMENT</u> Includes assets and equipment used in the collection an management of household garbage and similar waste Green Box containers; toters; and similar equipment.	ıd	В	8
* WATER, WASTEWATER AND SEWAGE TREATMEN Includes assets and equipment used in operating water treatment plants, water supply systems, sewer system and sewage treatment facilities.	er	Т	18
<u>WIRE PRODUCTS MANUFACTURING</u> Establishments primarily engaged in the manufacture of wire.		А	14
WOODWORKING EQUIPMENT	20	F	10



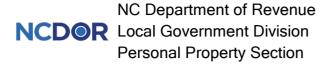
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Schedule A Valuation Table																
							al (C									
	Percent Good Factors															
Year		Trend								Life						
Acq'd	Age	Factor	3	5	6	8	9	10	11	12	14	15	16	17	18	20
2023	1	1.00	67	80	83	87	89	90	91	92	93	93	94	94	94	95
2022	2	1.05	35	63	70	79	83	84	86	87	90	91	91	92	93	95
2021	3	1.17	25	47	59	74	78	82	85	88	92	94	95	96	97	99
2020	4	1.36		27	45	68	76	82	87	91	97	99	102	103	106	109
2019	5	1.38		25	25	51	61	69	75	80	88	92	95	98	99	104
2018	6	1.41				35	47	56	62	71	80	85	89	92	94	99
2017	7	1.45				25	32	44	52	61	73	77	81	86	88	94
2016	8	1.46					25	29	39	48	63	69	73	77	82	88
2015	9	1.47						25	26	37	53	59	65	69	74	81
2014	10	1.51							25	26	44	50	56	62	66	76
2013	11	1.53								25	32	41	47	54	60	69
2012	12	1.55									25	31	39	45	51	62
2011	13	1.59										25	30	37	45	56
2010	14	1.62											25	29	36	49
2009	15	1.63												25	28	41
2008	16	1.65													25	33
2007	17	1.73														26
2006	18	1.78														25



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	Schedule B Valuation Table														
							-	rigina	-						
							•	od F							
Year		Trend							Li	fe					
Acq'd	Age	Factor	3	5	6	7	8	10	11	12	20	25			
2023	1	1.00	67	80	83	86	87	90	91	92	95	96			
2022	2	1.03	34	62	69	73	77	82	84	85	93	95			
2021	3	1.14	5	46	57	65	72	80	83	86	97	100			
2020	4	1.21		25	40	52	61	73	77	81	97	102			
2019	5	1.25			25	36	46	63	68	73	94	100			
2018	6	1.28				25	32	51	56	64	90	97			
2017	7	1.32					25	40	48	55	86	95			
2016	8	1.33						27	36	44	80	90			
2015	9	1.34						25	25	34	74	86			
2014	10	1.37								25	69	82			
2013	11	1.39									63	78			
2012	12	1.41									56	73			
2011	13	1.43									50	69			
2010	14	1.45									44	64			
2009	15	1.47									37	59			
2008	16	1.49									30	54			
2007	17	1.53									25	49			
2006	18	1.55										43			
2005	19	1.61										39			
2004	20	1.63										33			
2003	21	1.66										25			



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Schedule C Valuation Table															
					His	torica	al (Or	igina	l) Co	st					
Percent Good Factors															
Year		Trend							Li	fe					
Acq'd	Age	Factor	3	6	9	10	11	12	14						
2023	1	1.00	67	83	89	90	91	92	93						
2022	2	1.03	34	69	81	82	84	85	89						
2021	3	1.08	25	54	72	76	79	81	85						
2020	4	1.11		37	62	67	71	74	79						
2019	5	1.14		25	50	57	62	66	73						
2018	6	1.15			38	46	51	58	66						
2017	7	1.16			26	35	42	49	58						
2016	8	1.16			25	25	31	38	50						
2015	9	1.17					25	29	42						
2014	10	1.18						25	34						
2013	11	1.19							25						

2024 Cost Index and Depreciation Schedules

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				Sche	edules [D, E,	F, G	, Val	uation T	able					
					Histo	orical	(Ori	ginal) Cost						
					Pe	rcent	t Goo	od Fa	actors						
		Schedule D Schedule E							Sc	chedu	le F		Sche	dule	G
Year		Trend	Li	fe	Trend		Life		Trend		Life		Trend		Life
Acq'd	Age	Factor	6	10	Factor		10		Factor		10		Factor		8
2023	1	1.00	83	90	1.00		90		1.00		90		1.00		87
2022	2	1.03	69	82	1.02		82		1.07		86		1.02		77
2021	3	1.13	57	79	1.17		82		1.17		82		1.15		72
2020	4	1.24	41	74	1.24		74		1.24		74		1.29		65
2019	5	1.25	21	63	1.26		63		1.25		63		1.30		48
2018	6	1.30	15	52	1.30		52		1.27		51		1.34		34
2017	7	1.32		40	1.32		40		1.32		40		1.37		25
2016	8	1.33		25	1.33		25		1.34		25		1.38		

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	Schedules H, I, Valuation Table														
) Cost						
							•	•	actors						
				Sch	nedule H	-					Sc	hedu	le l		
Year		Trend	Life						Trend				Life		
Acq'd	Age	Factor	4	5		10	20		Factor	5	8			10	12
2023	1	1.00	75	80		90	95		1.00	80	87			90	92
2022	2	1.01	51	61		81	91		1.05	63	79			84	87
2021	3	1.10	28	44		77	94		1.16	46	73			81	87
2020	4	1.21	25	25		73	97		1.26	25	63			76	84
2019	5	1.25				63	94		1.26		47			63	73
2018	6	1.27				51	89		1.23		31			49	62
2017	7	1.29				39	84		1.26		25			38	53
2016	8	1.30				25	78		1.26					25	42
2015	9	1.30					72		1.23						31
2014	10	1.31					66		1.23						25
2013	11	1.33					60		1.23						
2012	12	1.35					54		1.26						
2011	13	1.37					48		1.23						
2010	14	1.40					42		1.23						
2009	15	1.41					35		1.23						
2008	16	1.42					25		1.21						

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	Schedules J, K, L, Valuation Table															
					His	torical (Origi	nal) (Cost	t						
					P	ercent (Good	Fact	tors							
		Sc	chedu	ule J		Sche	dule	K		Schedule L						
Year		Trend	Trend	Li	fe			Trend		Li	fe					
Acq'd	Age	Factor	5	8	10	Factor	5 10				Factor	5	6	14	16	
2023	1	1.00	80	87	90	1.00	80	90			1.00	80	83	93	94	
2022	2	1.05	63	79	84	1.04	62	83			1.04	62	70	89	90	
2021	3	1.15	46	72	81	1.16	46	81			1.09	44	55	86	88	
2020	4	1.34	25	67	80	1.26	25	76			1.16	25	38	82	87	
2019	5	1.36		50	68	1.28		64			1.21		25	77	83	
2018	6	1.39		35	56	1.32		53			1.22			70	77	
2017	7	1.42		25	43	1.36		41			1.24			62	69	
2016	8	1.44			25	1.38		25			1.22			52	61	
2015	9	1.44				1.38					1.22			44	54	
2014	10	1.45				1.42					1.23			36	46	
2013	11	1.47				1.46					1.24			25	38	
2012	12	1.49									1.24				31	
2011	13	1.51									1.27				25	

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	Schedule M Valuation Table													
			Historical (O	riginal) (Cost									
		Depre	eciation and Pe		ood Fa	actors								
Year			Pct.	Year			Pct.							
Acq'd	Age	Depreciation	Good	Acq'd	Age	Depreciation	Good							
2023	1	0.0	100.0	1998	26	25.0	75.0							
2022	2	0.5	99.5	1997	27	26.0	74.0							
2021	3	1.0	99.0	1996	28	27.5	72.5							
2020	4	1.5	98.5	1995	29	28.5	71.5							
2019	5	2.5	97.5	1994	30	30.0	70.0							
2018	6	3.0	97.0	1993	31	30.5	69.5							
2017	7	4.0	96.0	1992	32	31.5	68.5							
2016	8	5.0	95.0	1991	33	32.5	67.5							
2015	9	6.5	93.5	1990	34	33.5	66.5							
2014	10	8.0	92.0	1989	35	34.5	65.5							
2013	11	9.0	91.0	1988	36	36.0	64.0							
2012	12	10.0	90.0	1987	37	37.5	62.5							
2011	13	11.0	89.0	1986	38	38.5	61.5							
2010	14	12.0	88.0	1985	39	40.0	60.0							
2009	15	12.5	87.5	1984	40	42.0	58.0							
2008	16	13.5	86.5	1983	41	43.5	56.5							
2007	17	14.5	85.5	1982	42	44.5	55.5							
2006	18	16.0	84.0	1981	43	45.5	54.5							
2005	19	17.5	82.5	1980	44	47.0	53.0							
2004	20	18.5	81.5	1979	45	48.0	52.0							
2003	21	19.5	80.5	1978	46	49.5	50.5							
2002	22	20.0	80.0	1977	47	50.5	49.5							
2001	23	21.5	78.5	1976	48	52.0	48.0							
2000	24	22.5	77.5	1975	49	55.0	45.0							
1999	25	23.5	76.5	1974	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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	Schedule N Valuation Table Historical (Original) Cost																		
								``	0	,									
						Stra	ight-L	ine D	eprec		n Tab	le							
Year	A	2	C	4	F	c	7	0	0	Life		10	10	11	15	16	17	20	25
Acq'd 2023	Age 1	2 50	3 67	4	5 80	6 83	7 86	8 87	9 89	10 90	11 91	12 92	13 92	14 93	15 93	16 94	17 94	20 95	25 96
2023	2	50 0	33	75 50	60	67	80 71	87 75	89 79	90 80	91 82	92 83	92 84	93 86	93 87	94 87	94 88	95 90	90 92
2022	2	0	0	25	40	50	57	63	67	70	73	75	77	79	80	81	82	85	88
2021	4		U	0	20	33	43	50	56	60	64	67	69	71	73	75	76	80	84
2020	5			U	0	17	29	37	44	50	54	58	61	64	67	69	71	75	80
2018	6				Ū	0	14	25	33	40	44	50	54	57	60	63	65	70	76
2017	7					Ū	0	13	22	30	36	42	46	50	53	56	59	65	72
2016	8							0	11	20	27	33	38	43	47	50	53	60	68
2015	9							-	0	10	18	25	31	36	40	44	47	55	64
2014	10									0	9	17	23	29	33	37	41	50	60
2013	11										0	8	15	21	27	31	35	45	56
2012	12											0	8	14	20	25	29	40	52
2011	13												0	7	13	19	23	35	48
2010	14													0	7	13	18	30	44
2009	15														0	6	12	25	40
2008	16															0	6	20	36
2007	17																0	15	32
2006	18																	10	28
2005	19																	5	24
2004	20																	0	20
2003	21																		16
2002	22																		12
2001	23																		8
2000	24																		4
1999	25																		0

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

2024 Cost Index and Depreciation Schedules

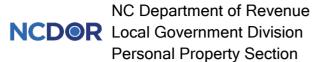
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	Schedules P, Q, R, S, Valuation Table														
	Historical (Original) Cost														
	Percent Good Factors														
		Sche	edule P	Sc	hedule Q	Sc	hedule R	Schedule S							
Year		Trend	Life	Trend	Life	Trend	Life	Trend	Life						
Acq'd	Age	Factor	5	Factor	5	Factor	8	Factor	5						
2023	1	1.00	80	1.00	80	1.00	87	1.00	80						
2022	2	1.05	63	1.00	60	1.04	78	1.04	62						
2021	3	1.18	47	1.00	40	1.10	69	1.15	46						
2020	4	1.23	25	1.00	25	1.12	56	1.16	25						
2019	5	1.24				1.14	42	1.17							
2018	6	1.28				1.17	29	1.18							
2017	7	1.29				1.19	25	1.17							

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Schedule T Valuation Table														
Historical (Original) Cost														
Percent Good Factors														
	Year	013	Year		Trend		Life							
	Acq'd	Ade	Trend Factor	18	Life 28 50		Acq'd	Age	Factor	28	50			
	2023	1	1.00	94	96	98	1998	26	1.71		82			
	2022	2	0.94	84	87	90	1997	27	1.77		81			
	2021	3	0.95	79	85	90	1996	28	1.82		80			
	2020	4	0.98	76	84	90	1995	29	1.87		79			
	2019	5	0.99	71	81	89	1994	30	1.91		76			
	2018	6	1.03	69	81	91	1993	31	1.93		73			
Note: When the rate of	2017	7	1.14	70	86	98	1992	32	2.00		72			
inflation is greater than	2016	8	1.19	66	85	100	1991	33	2.14		73			
the rate of depreciation,	2015	9	1.26	63	86	103	1990	34	2.28		73			
the calculated perecent	2014	10	1.29	57	83	103	1989	35	2.35		71			
good factor will exceed	2013	11	1.32	51	80	103	1988	36	2.81		79			
100. When this occurs,	2012	12	1.33	44	76	101	1987	37	3.06		79			
the assessed value will	2011	13	1.32	37	71	98	1986	38	3.20		77			
be higher than the listed	2010	14	1.35	30	67	97	1985	39	3.43		75			
cost when appraising	2009	15	1.36	25	63	95	1984	40	3.89		78			
using the cost approach.	2008	16	1.37		59	93	1983	41	4.06		73			
	2007	17	1.40		55	93	1982	42	4.81		77			
	2006	18	1.42		51	91	1981	43	4.98		70			
	2005	19	1.43		46	88	1980	44	5.20		62			
	2004	20	1.47		42	88	1979	45	5.53		55			
	2003	21	1.50		37	87	1978	46	5.94		48			
	2002	22	1.51		32	85	1977	47	6.22		37			
	2001	23	1.53		27	83	1976	48	6.50		26			
	2000	24	1.56		25	81	1975	49	6.77					
	1999	25	1.63			82	1974	50	6.80					



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					Sch	nedul	e U \	/aluatio	n Tal	ble					
					F	listor	ical (Origina	l) Co	st					
						Per	cent	Good Fa	actor	s					
Year		Trend	Life	Trend		Life			Life						
Acq'd	Age	Factor	5	Factor	6	8	12	Factor	10						
2023	1	1.00	80	1.00	68	72	92	1.00	90						
2022	2	1.00	60	1.00	51	60	84	0.99	79						
2021	3	0.98	39	1.00	35	48	70	0.98	69						
2020	4	1.03	21	1.00	18	35	62	0.97	58						
2019	5	1.05	5	1.00	11	23	54	0.98	49						
2018	6	1.07		1.00	5	15	44	0.98	39						
2017	7	0.99		1.00			35	0.99	30						
2016	8	0.98		1.00			27	0.98	20						
2015	9	0.98		1.00			20	0.97	15						
2014	10	0.92		1.00			15								