



STATE OF WASHINGTON
DEPARTMENT OF REVENUE

January 19, 1999

TO: All County Assessors

FROM: Joseph D. Simmonds, Personal Property Program Manager
Property Tax Division

SUBJECT: 1999 PERSONAL PROPERTY VALUATION SCHEDULES

Enclosed are the 1999 Personal Property Valuation Indicators and Index for use in making 1999 assessments.

To use these schedules, refer to the alphabetical Index for the class of property, which will in turn, refer you to the appropriate column on the attached Valuation Indicator sheet. The multiplier appearing in the column corresponding with the acquisition year times the historical cost gives the indicated January 1, 1999 value. Supplemental Valuation Schedule A is provided on the last page of the Index for video games, wine barrels, video tapes and laser disks, billboards and poster panels, title plants, and computer software.

In 1998, the Department conducted several studies to update the Personal Property Indexes. The results of these studies are as follows:

Valuation of video tapes was completed considering the proper trade levels and analysis of the available data. It is recommended that video tapes continue to be valued at \$9.00 per tape.

Additionally, a study was conducted on heavy equipment used in general construction and land clearing activities. The equipment surveyed was limited to backhoes, wheel and crawler loaders, hydraulic excavators, and crawler and wheel tractors (dozers). This study concluded that the current schedules recommended by the Department are representative of market value. However, economic conditions affecting Asia may create a glut on the market that may require additional consideration in future assessments.

A study and analysis was completed on medical imaging equipment, such as computerized tomography, magnetic resonance imaging and ultrasound. In addition, X-ray and EKG equipment was considered. The results concluded that the current tables utilized for the above equipment are consistent with current market value, and no changes were made in the valuation of this equipment.

A study was completed on the valuation of wine barrels and innerstaves. Based on these findings, a schedule has been added to Supplemental Valuation Schedule A with the recommended changes. Schedules previously used to value aging barrels are no longer valid. Additional conclusions reached in this analysis were that oak chips, oak sleeves, infusion tubes, and oak sticks should all be considered a supply as they have a useful life of a year or less.

Gantry container cranes were studied. As a result of this study, a category has been added under the general heading of cranes entitled "Container," recommending a schedule 8 with a single asterisk. The findings in this study concluded that although the physical container crane may be a long-lived asset, there could be certain economic or functional consideration necessary. This may result from such things as the size of newer ships, ships under construction, and the capacity of the cranes to meet the expanded size.

An additional study covering restaurant equipment was completed, and the findings upheld the current schedule 19 for this type equipment. The findings supported on average, a 10-year life and the 20% minimum value in use. The study determined that condition and maintenance of the equipment at the time of assessment was more of a valuation factor than chronological age.

As stated in the 1998 cover letter, the billboard and poster panel costs have been reviewed to conform to the recommendations of the study. The trend index for the 1999 indicators resulted in an insignificant difference from the previous year. As a result, these values remain unchanged for the 1999 assessment.

These valuation indicators are published as guides in estimating market values of equipment in average condition. Adjustments to the estimated market values should be made when the assessor or taxpayer substantiates excessive obsolescence not already considered in the indicators.

The Personal Property Valuation Indicators may not be applicable in all instances in achieving the statutory mandate of 100% true and fair value. Property classes listed in the index having a single asterisk may require special consideration due to abnormal or extraordinary circumstances.

Those properties shown with a double asterisk on the Index indicate use of the Industrial Valuation Schedules. Properties showing a triple asterisk indicate individual large pieces of equipment that may qualify for use of the Industrial Valuation Schedules.

The Department of Revenue recommends the use of these schedules and believes their use will produce standardization and equalization in the assessment of personal property. Any questions regarding the schedules or other personal property tax issues may be directed to Gary Wright (360) 664-3177 or Joe Simmonds at (360) 753-5552.

Enclosures

INDEX TO PERSONAL PROPERTY VALUATION INDICATORS

For January 1, 1999 Valuations

BUSINESS ACTIVITY OR TYPE OF BUSINESS

Column	Column
- A -	- B -
Agriculture <i>Aqua Farms</i> <i>Nets</i> 30 <i>Pens & Support Structures</i> 18 <i>Dairy Milking M&E</i> 14 <i>Feedmill M&E</i> ***12 <i>Seed Cleaning M&E</i> ***12 <i>Fertilizer Applicators & Manure Systems-Liquid</i> 24 <i>Dry Fertilizer Applicators</i> 18 <i>Tanks</i> 16 <i>M&E (Excluding tractors & dairy)</i> 18 <i>Irrigation Systems</i> <i> Circles</i> 18 <i> Gated Pipe</i> 18 <i> Wheel Moves & Handlines</i> 16 <i>Tractors</i> 12 <i>Combines</i> 20 Air Conditioning (Single Room Unit) 16 Aircraft Manufacturing <i>M&E</i> ***14 <i>Testing Equipment</i> 24 <i>Small Tools (Perishable)</i> 24 <i>Patterns</i> 24 Aircraft Parts Manufacturing <i>M&E</i> 14 <i>Test Equipment</i> 24 <i>Small Tools</i> 24 Amusement Devices (Music Machines, etc.) 24 <i>VCR's</i> 28 <i>Video Games</i> (See Supplemental Schedule A) <i>Video Tapes</i> (See Supplemental Schedule A) Antique F&F (Value at Cost) Apartment F&F 16 Apparel Mfg. M&E 8 Aqua Farms <i>Nets</i> 30 <i>Pens & Support Structures</i> 18 Archery Equipment Mfg. 12 Artwork (Value at Cost) Auto Repair (also see Service Station) <i>Diagnostic Equipment (Electronic)</i> 24 <i>M&E</i> 18 <i>Small Tools</i> 24 <i>Welding Equipment</i> 12	Bakeries <i>Industrial (i.e., Wonder Bread)</i> ** <i>Commercial (i.e., Safeway)</i> 12 Banks <i>Alarm Systems</i> 24 <i>Cash Machines</i> 24 <i>Furniture & Fixtures</i> 14 <i>Video Equipment</i> 24 <i>Safety Deposit Boxes</i> 10 <i>Vault Doors</i> (Value at Cost) Barber & Beauty Shop 16 Baseboard Heater Mfg. M&E 12 Beer Kegs 10 Billboards (See signs) Bleach Mfg. M&E ** Bleach Packaging M&E 14 Blueprinting, Photostating, Mimeographing & Lithograph (Nonelectronic) 16 Boat Molds (Fiberglass) 22 Book Bindery 12 Bottling & Soft Drinks Mfg. M&E ** Bowling Alleys 12 <i>Electronic Scoring Machines</i> 24 <i>Pinsetters & Others</i> 19 Brewing & Distilling ** Butcher Shops 12
	- C -
	C.A.T.V. & S.A.T.V. Equipment <i>Signal Receiving Equipment</i> 12 <i>Distribution Equipment</i> 14 <i>Headend Equipment</i> 16 <i>Converters, Decoders, Digital Boxes, Modems</i> 30 <i>Electronic Testing Equipment and Small Tools</i> 24 <i>Television Production Equipment</i> 19 Cabinet Shop M&E 12 Campground Equipment 16 Candy & Confection Mfg. M&E 12 Car Wash (5 Min. & Coin-Op) 18 Cash Machines 24 Cash Registers & Scanners 24 Cement, Clay & Brick Products Mfg. ** Chemical Products Mfg. ** Clothing Mfg. 8 Cocktail Bars & Taverns 19 <i>Antique Back Bars</i> (Value at Cost) Coin-Op Lockers 16 Coin-Op Machines 24

INDEX TO PERSONAL PROPERTY VALUATION INDICATORS

For January 1, 1999 Valuations

BUSINESS ACTIVITY OR TYPE OF BUSINESS

	Column		Column
Computer Systems (Business)		Dental	
<i>Lotto Machines</i>	30	<i>Equipment</i>	14
<i>Main Frame Computers</i>	30	<i>Furniture & Fixtures</i>	14
<i>Personal Computers (Excluding Peripheral Equipment)</i>	40	<i>Libraries</i>	12
<i>Peripheral Equipment (Printer, CD Players, etc.)</i>	30	<i>X-Ray Equipment</i>	18
<i>Canned Software (See Supplemental Schedule A)</i>		Department Store F&F	16
<i>Custom Software (See Supplemental Schedule A)</i>		Dies & Molds	18
<i>Production Systems Computers</i>	24	<i>Electronic Mfg.</i>	24
Computer Numeric Controlled (CNC) Milling Machines	14	<i>Patterns</i>	24
Construction M&E		Dispensing Machinery (Coin-Op)	24
<i>Cranes</i>		Distilling & Brewing	**
<i>Bridge</i>	8	Doctors	
<i>Crawler</i>	10	<i>Equipment</i>	14
<i>Mobile Telescopic</i>	16	<i>Furniture</i>	14
<i>General Construction</i>	16	<i>Libraries</i>	12
<i>Asphalt Plants</i>		<i>Diagnostic Equipment (CT, MRI, Ultrasound, etc.)</i>	24
<i>Portable</i>	18	<i>X-Ray</i>	12
<i>Stationary</i>	12	Drug Store F&F	16
<i>Land Clearing</i>	16	Dry Cleaning & Laundry M&E	
<i>Licensed Vehicles Not Subject to Vehicle Excise Tax</i>	16	<i>Coin-Op</i>	24
<i>Marine Construction</i>		<i>Other Than Coin-Op</i>	14
<i>Ships & Vessels</i>	***12	Dumpsters, Garbage	16
<i>Pleasure Craft</i>	12		
<i>Boat Molds</i>	22	- E -	
<i>Road Construction (Heavy)</i>	22	Electrical Generating	
<i>Rock Crushing</i>		<i>Gas & Diesel</i>	16
<i>Portable</i>	18	<i>Steam</i>	**
<i>Stationary</i>	12	Electrical Mfg. M&E	12
<i>Sewer & Utilities</i>	16	Electronic Equip.	24
<i>Well Drilling</i>	16	Electronic Mfg. Equip.	24
Container Mfg. M&E	**	Espresso Carts	24
Coolers (Walk-In)	12	Extrusion M&E	**
Copy Machines (Purchased)	28		
Costumes (Rental)	24	- F -	
Cranes		Farm Equipment	(See Agriculture)
<i>Bridge</i>	8	Fax Machines	30
<i>Container</i>	*8	Feedmill M&E	***12
<i>Crawler</i>	10	Fertilizer Applicators	24
<i>Mobile Telescopic</i>	16	Fertilizer Mfg.	**
- D -		Fiberglass Molds (other than boats)	22
Dairy Milking M&E	14	Fish Processing M&E	***12
Dairy Processing	**	Fitness Equipment	
Data Processing Equipment	30	<i>Manual</i>	16
		<i>Electronic</i>	24
		Flour, Cereal & Grain Milling	**
		Food Processing	**

INDEX TO PERSONAL PROPERTY VALUATION INDICATORS

For January 1, 1999 Valuations

BUSINESS ACTIVITY OR TYPE OF BUSINESS

	Column		Column
Forklifts			- K -
<i>Inside</i>	14		
<i>Outside</i>	16	Key Duplication	16
Foundry	**		
Fraternal Lodges	14		- L -
- G -		Laboratories	
Garage M&E	18	<i>Diagnostic</i>	24
Garbage Dumpsters	16	<i>Equipment (Nonelectric)</i>	18
General Contractor M&E	16	<i>Equipment (Electronic & Computerized)</i>	24
Golf Courses		Landscaping M&E	16
<i>Carts</i>	20	Laundry & Dry Cleaning	
<i>Equipment</i>	18	<i>Coin-Op</i>	24
<i>Tractors</i>	12	<i>Other Than Coin-Op</i>	14
Greenhouse & Nursery M&E	16	Law Libraries	12
Grocery Stores		Leather Products Mfg. M&E	8
<i>Cash Registers & Scanners</i>	24	Libraries (Professional)	12
<i>Fixtures & Equipment</i>	16	Lift Trucks	(See Forklift)
<i>Meat Packing</i>	12	Lotto Machines	30
<i>POS (Point of Sale Computer Systems)</i>	30	Lumber & Wood Products	
<i>Walk-in Coolers</i>	12	<i>Logging M&E</i>	18
		<i>Log Stackers</i>	18
- H -		<i>Pulp, Paper & Paperboard</i>	**
Hardware Store F&F	16	<i>Plywood & Veneer</i>	**
Hatchery M&E	16	<i>Scarifying M&E</i>	18
Health Spa Equip.		<i>Sawmills</i>	
<i>Manual</i>	16	<i>Portable</i>	14
<i>Electronic</i>	24	<i>Stationary</i>	**
Hospitals			- M -
<i>Equipment</i>	16	Machine Shop M&E (Maintenance)	***12
<i>Diagnostic Equipment(CT,MRI,Ultrasound,etc)</i>	24	Machine Shop (Production)	***
<i>Laboratory Equip. (Nonelectric)</i>	18	Mailing Machines	20
<i>Laboratory Equip. (Electronic & Computerized)</i>	24	Meat Packing M&E	12
<i>Mattresses</i>	30	Meat Processing (Complex)	**
<i>X-Ray</i>	12	Medical Equipment	14
		Metal Fabrication & Extrusion Mfg.	***
- I -		Metal Sheet Fabrication	***12
Ice Cream Cabinets	16	Milling Machines - Computer	
Ice & Refrigeration Machinery	**	Numeric Controlled (CNC)	14
Iron & Steel Industry	**	Mining & Milling	**
		Mobile Yard Equipment	16
- J -		Mortuary Service Equip.	14
Janitorial Service Equipment	20	Motels	
Jewelry Store F&F and Equip.	16	<i>Furniture & Equipment</i>	19
		<i>Office</i>	(See Office)
		<i>Restaurant & Bar Equipment</i>	19
		<i>Telephone Systems</i>	30
		<i>TV's</i>	24
		<i>VCR's</i>	28

INDEX TO PERSONAL PROPERTY VALUATION INDICATORS

For January 1, 1999 Valuations

BUSINESS ACTIVITY OR TYPE OF BUSINESS

	Column		Column
Music Instruments -- Rental	22		
Music Studio Recording Equip.	24		
Music Systems (Background)	24		
- N -			
Neon Signs	19		
Newspaper M&E			
<i>Press</i>	12		
<i>Photographic</i>	16		
<i>Computer (Production)</i>	24		
<i>Other M&E</i>	14		
Nursing Homes			
<i>Furniture & Fixtures</i>	16		
<i>Mattresses</i>	30		
- O -			
Office Equipment			
<i>Antiques</i>	(Value at Cost)		
<i>Copy Machines (Purchased)</i>	28		
<i>Electric & Electronic Machines</i>	24		
<i>Furniture & Fixtures</i>	14		
<i>Mailing Machines</i>	20		
<i>Safes</i>	10		
<i>Sound Systems (Background)</i>	24		
Oxygen & Acetylene Tanks	10		
- P -			
P.A. Systems	20		
Packing & Sorting M&E (Fruit, Vegetable, Etc.)	**		
Paint & Varnish Mfg. M&E	12		
Pallets, Crates, Lugs, Bins, Etc.	18		
Petroleum Products			
<i>Bulk Station Equipment</i>	14		
<i>Refining</i>	**		
<i>Service Station Equipment</i>	(See Service Stations)		
Photography Equipment	16		
Plastic Extrusion M&E	**		
Plumbing Shop Equipment	16		
Plywood & Veneer Mfg.	**		
Pool Hall Equipment	14		
Power & Generation M&E			
<i>Gas & Diesel</i>	16		
<i>Steam</i>	**		
Printing & Publishing Equipment	(See Newspaper)		
Professional Equipment			
<i>Scientific, Doctors, Dentists, Etc.</i>	14		
<i>Libraries</i>	12		
Propane Tanks	16		
Pulp & Paper Mfg.	**		
		- R -	
		Radio & Television	
		<i>Broadcasting Equipment</i>	19
		<i>C.A.T.V. (Cable System)</i>	(See C.A.T.V. Equipment)
		<i>Service & Repair Equip.</i>	19
		<i>Towers</i>	12
		Radio-Telephone Equipment 2-Way	24
		Railroad Rolling Stock-Private(Except Logging Cars)12	
		Rental Equipment	
		<i>Costumes</i>	24
		<i>Public U-Rent (Excluding Heavy Equipment)</i>	22
		<i>Heavy Equipment</i>	(Value by type)
		<i>Telephones (Residential)</i>	30
		<i>Tuxedos</i>	30
		Research & Development M&E	*20
		Restaurants, Soda Fountains & Drive-Ins	19
		<i>Walk-in Coolers</i>	12
		Retail Stores	
		<i>Fixtures</i>	16
		<i>Office F & F</i>	(See Office Equip.)
		<i>POS Computer Systems</i>	30
		<i>Public Address Systems</i>	20
		<i>Sound Systems (Background)</i>	24
		Rock Crushers	(See Construction)
		- S -	
		Sawmills	(See Lumber)
		Scaffolding (Rental)	22
		Search Lights	17
		Service Stations	
		<i>Dispensers (Gas)</i>	20
		<i>Equipment</i>	18
		<i>Store F & F</i>	16
		Sewing Equipment	12
		Sewer Construction Equipment	16
		Sheet Metal Fabrication	***12
		Shipbuilding	(See Construction)
		Shoes & Leather Products Mfg. M&E	8
		Shipyards	(See Construction)
		Signs	
		<i>Bulletin Boards</i>	14
		<i>Billboards</i>	(See Supplemental Schedule A)
		<i>Electronic</i>	15
		<i>Neon</i>	19
		<i>Plastic Illuminated</i>	19
		<i>Poster Panels</i>	(See Supplemental Schedule A)

INDEX TO PERSONAL PROPERTY VALUATION INDICATORS

For January 1, 1999 Valuations

BUSINESS ACTIVITY OR TYPE OF BUSINESS

	Column		Column
Ski Areas		- U -	
<i>Snow Cats & Packers</i>	24		
<i>Tows & Lifts</i>	**		
Ski Mfg. Equipment	12	Unlicensed Vehicles (<i>Not Subject to Vehicle Excise Tax</i>)	16
Small Tools - Perishable	24	Upholstery Equipment	16
Smelting	**		
Soft Drink Mfg. M&E (Batch)	14	- V -	
Sound Systems (Background)	24		
Super Markets		VCR's	28
<i>Cash Registers & Scanners</i>	24	Vending Machines	24
<i>Fixtures & Equipment</i>	16	Video Games	(<i>See Supplemental Schedule A</i>)
<i>Meat Packing</i>	12	Video Tapes	(<i>See Supplemental Schedule A</i>)
<i>POS Computer Systems</i>	30	Video Cameras/Camcorder	24
<i>Public Address Systems</i>	20		
<i>Walk-in Coolers</i>	12	- W -	
Surveying Equipment	14	Warehouse Equipment (<i>Including Lifts</i>)	14
		<i>Pallets, Crates, Lugs, Bins, etc.</i>	18
- T -		Water Softeners	14
Tanning Salon Equip.	16	Water Systems	12
Tavern & Bar Equipment	19	Welding Shop Equip.	12
<i>Antique Back Bars</i>	(<i>Value at Cost</i>)	Well Drilling	16
Television & Radio	(<i>See Radio</i>)	Winery Equipment	***14
Telephones		<i>Aging Barrels</i>	(<i>See Supplemental Schedule A</i>)
<i>Cellular</i>	30	<i>Innerstaves</i>	(<i>See Supplemental Schedule A</i>)
<i>Pagers</i>	24	Wholesale Store	14
<i>Rentals (Commercial & Residential)</i>	30	Woodworking Shops M&E	12
<i>Systems (Customer Owned)</i>	30		
Textile Tent & Awning Mfg. M&E	8	- X -	
Theater		X-Ray Equip. (<i>Other Than Dental</i>)	*12
<i>Projection Equipment</i>	16		
<i>F&F</i>	17		
Tire Recapping	14		
Title Plants	(<i>See Supplemental Schedule A</i>)		
Tuxedo Rentals	30		
Toilets, Portable	14		

* -- May Require Special Consideration Due to Functional or Economic Conditions

** -- Use Industrial Valuation on Entire Plant

*** -- Major Items of Equipment May Qualify For Use of 7.5% Industrial Valuation Schedule

A -- Use Supplemental Schedule

SUPPLEMENTAL VALUATION SCHEDULE

Revised 1/19/99

VIDEO GAMES		
(Apply the following percent good to the untrended historic cost)		
Year 1	Year 2	Year 3
60%	37%	20%

VIDEO TAPES & LASER DISKS
Value at \$9 per tape

WOODEN WINE BARRELS AND INNERSTAVES					
(Apply the following percent good to the untrended historic cost)					
	Year 1	Year 2	Year 3	Year 4	Year 5 or more
Barrels	55%	25%	15%	8%	5%
Innerstaves	55%	25%	-0-		

BILLBOARDS & POSTER PANELS	
Type of Sign	Current Replacement Cost Per Lineal Foot
Unlighted	\$129
Externally Lighted	\$161
Internally Lighted	\$309
Above replacement costs include one support structure and one face. Multiple faced signs should be adjusted to eliminate a support structure for each additional face as follows:	
Type of Sign	Deduction From Replacement Cost
Lighted / Unlighted 12 x 25'	\$1,029
Lighted / Unlighted 14 x 48'	\$2,572
Lighted / Unlighted 20 x 60'	\$4,012
Signs smaller than 12 x 25' use 40% of above deduction.	
DEPRECIATION -- 4% straight line per year based on effective age to 20% of replacement cost.	

TITLE PLANTS	
(Reference PTB 72-14)	
\$2.50 per parcel (as defined)	\$0.15 per recording (as defined)

SUPPLEMENTAL VALUATION SCHEDULE

Revised 1/19/99

COMPUTER SOFTWARE

The 1991 Legislature defined computer software and established valuation methods. For the 1999 assessment year, canned software shall be assessed as illustrated in the following example:

- Canned software acquired in 1998 shall be valued at 100% of its full acquisition cost.
- Canned software acquired in 1997 shall be listed at 100% and valued at 50% of its full acquisition cost.
- All software, canned or custom, purchased prior to 1997 is exempt.
- Embedded software is taxable and shall be valued as an integral part of the computer system, machinery or equipment in which it is housed, at the established life of the equipment.

