Introduction to Property Tax Assessment



Introductory Course PT101



This slide show is designed to accompany the Introductory Course PT101 textbook



→Purpose of this course

→Provide an introduction to and overview of the property tax assessing profession

→Part of a three course curriculum that addresses general concepts in preparation for taking the Certified Maine Assessor exam



→ Maine Constitution

 \rightarrow Framework that encompasses all Maine tax law

 \rightarrow Four provisions that impact property tax:

- ightarrow Article I, section 22
- \rightarrow Article IX, section 9
- \rightarrow Article IX, section 8
- \rightarrow Article IX, section 7



- →Maine Constitution
 - \rightarrow Article I, section 22:
 - → "No tax or duty shall be imposed without the consent of the people or of their representatives in the Legislature."
 - \rightarrow Article IX, section 9:
 - → "The Legislature shall never, in any manner, suspend or surrender the power of taxation."
 - →Together, these two sections declare that the Maine Legislature has the power to create tax laws.



- →Maine Constitution
 - \rightarrow Article IX, section 8:
 - → "All taxes upon real and personal estate, addressed by authority of this State, shall be apportioned and assessed equally according to the just value thereof."
 - \rightarrow Just value = market value
 - \rightarrow *According to* just value can mean a percentage of just value
 - \rightarrow Article IX, section 7:
 - → "While the public expenses shall be assessed on estates, a general valuation shall be taken at least once in every 10 years."
 - \rightarrow Municipalities must make an effort to attain equity
 - \rightarrow Does not require a complete municipal revaluation every 10 years



→Maine Revised Statutes ("M.R.S.")

→Title 36: Taxation

→Two provisions that generally direct property tax → 36 M.R.S. § 502

 $\stackrel{\scriptstyle \rightarrow}{}$ All property is valued as of April 1 annually

 \rightarrow 36 M.R.S. § 701-A

 \rightarrow Property value is limited to allowable uses



- →Tax is a compulsory contribution to support government, not a payment for specific services
- →Three basic types of tax
 - \neg Tax on creation (income tax)
 - \neg Tax on exchange (sales tax)
 - →Tax on possession (property tax)
- \rightarrow Of the three types, property tax is the oldest
 - →Property tax is predetermined rate is adjusted to meet budgetary needs



→Municipal structure

- →Selectmen
- →Town manager
- \rightarrow City council or town meeting

→Municipal assessor – qualifications

- →At least 18
- →U.S. citizen
- →Maine resident
- →Legally elected/appointed and sworn in
- \rightarrow Resident of the municipality (if also a selectman)



<u>CHAPTER 1</u> PROPERTY AND PROPERTY RIGHTS



→Real property = bundle of rights

- →Right to use
- \rightarrow Right to sell
- \rightarrow Right to lease or rent
- \rightarrow Right to enter or leave
- \rightarrow Right to give away
- \rightarrow Right to refuse to execute any of the above
- →Real estate = physical land and everything attached to it



→Real estate

→Land: the surface of the Earth and everything below and above →Improvements: buildings and other structures

→Appurtenances = attachments to property
 →Easements: rights given to others on your property
 →Restrictions: limits on the use of your property

→Personal property = all property *not* real estate



- →Government limitations on bundle of rights
 - →Power of taxation: governments may impose property/excise taxes
 - →Power of police: zoning and building restrictions
 - →Power of eminent domain: taking private property for public use
 - →Power of escheat: State may claim property of decedent with no heirs.



→Private restrictions

- →Rights of co-owners
- \rightarrow Covenants and restrictions in title chain
- →Mortgages
 - \rightarrow Real estate pledged for guarantee of loan repayment
- →Easements
- →Liens and judgments
- →Leases



→Estates in land

→Freehold

 \rightarrow Fee simple: greatest degree of ownership

 \rightarrow Fee tail

 \rightarrow Life estate

 \rightarrow Contingent estate

→Leasehold

 \rightarrow Tenancy for years

 \rightarrow Periodic tenancy

 \rightarrow Tenancy at will

 \rightarrow Tenancy at sufferance: tenant stays beyond tenancy without consent



→Forms of ownership

→Joint tenancy: 2+ owners, all own entire property

→Tenancy in common: 2+ owners, each owns a portion of property

 \rightarrow Tenancy in severalty: 1 owner



→Deed

 \rightarrow Describes property

→Lays out ownership form

 \rightarrow Describes limitations on rights

 \rightarrow Two general types:

 \rightarrow Warranty deed – transferor promises clear title

 $\, \hookrightarrow \, {\rm Quitclaim} \, \, {\rm deed} - {\rm transferor} \, {\rm gives} \, \, {\rm whatever} \, {\rm interest} \, {\rm held}$



- →Elements of a deed
 - →Grantor/grantee
 - \rightarrow Consideration
 - →Words of conveyance
 - →Land description
 - \rightarrow Metes and bounds
 - ightarrow Rectangular survey system
 - \hookrightarrow Lot and block survey system
 - ightarrow Rectangular coordinates
 - →Grantor signature
 - \rightarrow Delivery and acceptance



→Real estate transfer tax
→Tax on transfer of real estate
→\$2.20 per \$500 of purchase price



<u>CHAPTER 2</u> THE MATHEMATICS OF ASSESSMENT



→Assessing requires good math skills

→This chapter provides an overview of basic math skills
 →Does not cover all assessor math, some of which is complex

→If you need a more in-depth tutorial, there are many good resources online



→Fractions

- →Types
 - \rightarrow Proper fractions (2/5)
 - \rightarrow Improper fractions (5/2)
 - ightarrow Mixed number (2 2/5)
- \rightarrow Addition/subtraction create common denominator
- →Multiplication numerator x numerator, denominator x denominator
- →Division invert divisor and multiply



→Decimals

- \rightarrow Expression based on multiples of ten
- \rightarrow Addition align decimal points
- →Multiplication
 - \rightarrow Remove decimal points
 - \rightarrow Multiply as whole numbers
 - → Add decimal point from right equal to the total number of places in original numbers



→Decimals, continued

- →Division
 - ightarrow Make divisor a whole number
 - $\, \hookrightarrow \, {\rm Move}$ decimal the same number of spaces in dividend
 - → Employ long division, placing decimal point in answer directly above decimal point in dividend

→Percentages

 \rightarrow Change percent to decimal, then multiply



→Area

- \rightarrow Rectangle = base x height
- \neg Triangle = ½ base x height
- \rightarrow Circle = πr^2
- →Trapezoid = ((a + b)/2) x height, where a and b are the top and bottom lengths
- \rightarrow Parallelogram = base x vertical height



→Units of measure

- →Linear measure
 - \rightarrow Foot = 12 inches
 - \rightarrow Yard = 3 feet
 - ightarrow Rod = 16.5 feet
 - \rightarrow Chain = 66 feet = 4 rods
 - \rightarrow Meter = 3.2808 feet
 - → Kilometer = 1,000 meters
 - \rightarrow Mile = 5,280 feet



→Units of measure, continued

→Area measure

- \rightarrow Square foot = 144 square inches
- \rightarrow Square yard = 9 square feet
- ightarrow Square rod = 272.25 square feet
- \rightarrow Square chain = 16 square rods
- \rightarrow Square meter = 1.196 square yards
- \rightarrow Acre = 43,560 square feet = 160 square rods
- \rightarrow Hectare = 2.4711 acres
- \rightarrow Square kilometer = 1,000,000 square meters
- ightarrow Square mile = 640 acres



- →Units of measure, continued
 - →Volume measure
 - \rightarrow Cubic foot = 1,728 cubic inches
 - \rightarrow Cubic yard = 27 cubic feet
 - \rightarrow Cord = 128 cubic feet



<u>CHAPTER 3</u> THE VALUE OF PROPERTY



- →Value is the relationship between an object desired and a potential purchaser. It is the ability of a commodity to command another commodity (usually money) in exchange.
- →Value in use
- →Value in exchange
- →Property must have utility, scarcity, and desirability to have value. These three basic principles determine, create, and destroy value



- \rightarrow Utility = capacity to excite desire for possession
- →Scarcity = limited supply
- →Desirability = demand
- →Appraisal = valuing a single property
- →Assessment = valuing all property in a municipality = mass appraisal



→Market value

→ "The most probable price which a property should bring in a competitive and open market under all conditions requisite to a fair sale, the buyer and seller each acting prudently and knowledgably and assuming the price is not affected by undue stimulus. Implicit in this definition is the consummation of a sale as of a specified date and the passing of title from seller to buyer under conditions whereby:

- \rightarrow A. Buyer and seller are typically motivated;
- → B. Both parties are well informed or well advised and acting in what they consider their best interests;
- \rightarrow C. A reasonable time is allowed for exposure to the open market
- \rightarrow D. Payment is made in terms of cash in U.S. dollars;
- → E. And the price represents the normal consideration for the property sold unaffected by special or creative financing or sales concessions granted by anyone associated with the sale."



- →The four great forces (PEGS)
 - \rightarrow **P**hysical: topography, lot shape, soil conditions
 - \rightarrow Economic: construction costs, rental rates, availability of land
 - →Governmental: Zoning, building codes, level of municipal services
 - \rightarrow Social: age distribution, education trends, crime rates



Economic Principles of Valuation

- →Anticipation
- →Balance
- →Change
- →Competition
- →Conformity
- →Consistent use

- →Contribution
- →Diminishing returns
- →Progression and regression
- →Substitution
- →Supply and demand
- →Surplus productivity



→Highest and best use: The legally allowable use that will generate the highest return to the property over time

 \rightarrow Physically possible/probable

→Legally permissible

→Financially feasible

→Most productive



→Three approaches to value

→Market approach

 \rightarrow Subject property compared to recently sold, similar property

 \rightarrow Cost approach

 \rightarrow Replacement cost less depreciation

 \rightarrow Income approach

 \rightarrow Value is based on estimate of future income



→Market Approach

 \rightarrow Ideal when there are many recent sales in the area

- →Sometimes referred to as market data approach, sales comparison approach, comparison approach, or market data study
- →Sales of comparable properties are adjusted to determine value of subject property

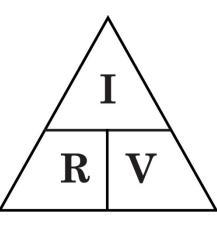
MAINE PROPERTY TAX DIVISION

 \rightarrow Covered in Chapter 7 – Market Approach

- →Cost approach
 - →Requires information on all the materials and systems used in the property
 - \rightarrow Cost schedules consist of ten elements
 - → 1) foundation; 2) basement; 3) framing; 4) roof; 5) interior; 6) exterior; 7) floors; 8) heating; 9) plumbing; and 10) electrical
 - \rightarrow Depreciation (applied in this order)
 - \rightarrow Physical depreciation wear and tear
 - → Functional obsolescence outdated equipment/design, incomplete structures as of 4/1
 - \rightarrow External obsolescence external forces that impact value



→Income approach
→Income = Rate x Value, or IRV
→Value = Income/Rate
→Rate = Income/Value



→Income = estimated income generated by the property
→Rate = rate of return for property = capitalization rate
→Value = market value



→Valuation of land

- \rightarrow Square foot method = most popular for urban land
- \rightarrow Acre method = most popular for rural land
- $\rightarrow 4$ basic types of land
 - \rightarrow Residential
 - →Agricultural
 - \rightarrow Commercial
 - → Industrial



→Current use valuation

- \rightarrow Authorized by Maine Constitution, article IX, section 8
- →Tree Growth Tax Law program (Bulletin No. 19)
 - \rightarrow 10+ acres of commercially harvested forest land
- →Farmland (Bulletin No. 20)
 - \rightarrow 5+ acres of income-producing farmland
- →Open space land (Bulletin No. 21)

 \rightarrow Any size, generating public benefit through preservation/restriction of use \rightarrow Working waterfront

→ Any size, near water, mostly used to support commercial fishing





<u>CHAPTER 4</u> PERSONAL PROPERTY

CHAPTER 4 – PERSONAL PROPERTY

→Personal property is all property that is not real property

- →Personal property is taxed
 - \rightarrow By the municipality where a Maine resident lives, or
 - \rightarrow By the municipality where the property of a nonresident is located
- →Personal property is usually valued using the cost method →Replacement cost less depreciation
 - \rightarrow Depreciation based on useful life of the property



CHAPTER 4 – PERSONAL PROPERTY

→Personal property tax relief programs

→Business Equipment Tax Exemption program

- \rightarrow Exempts personal property owned by a business
- \rightarrow Limitations apply on eligible businesses, eligible property
- \hookrightarrow State reimburses municipality for 50% (sometimes more) of revenue lost due to the exemption

→Business Equipment Tax Reimbursement program

→ State reimburses businesses for a percentage of property tax paid on eligible property

 \rightarrow Limitations apply on eligible businesses, eligible property



<u>CHAPTER 5</u> THE ASSESSOR'S PROCESS



- →Discovery: find new property
- →Identification: account numbers, parcel locations
- →Situs: where is the property
- →Classification: real, personal, exempt
- →Data collection/analysis: information used in valuation
- →Valuation: 3 approaches, determine market value
- →Prepare valuation book, send tax bills, address abatement requests



→Discovery

- →The process of uncovering new property and improvements to existing property
- \rightarrow Accomplished through:
 - \rightarrow Physical inspection
 - \rightarrow Review of building and other permits



- →Property record cards
- →Building inspection
 - →Lot size/topography
 - \rightarrow Compare land to other land in area
 - \rightarrow Measure exterior
 - →Sketch building
 - →Inspect interior, if allowed by homeowner
 - →Note details



→Tax maps

→Assessor must know location of property and size of lot

- →Map scales
- →Maintenance of maps
- →Revision of maps

 \rightarrow Should be done every year to reflect status of property on April 1

→Parcel identification

 \rightarrow Map, lot, book and page for each parcel



→Revaluation

→Revised tax maps

 \rightarrow New assessment manual

→New property record cards →With current photograph



→Valuing land

 \rightarrow Analyze recent sales

 \rightarrow Create table reflecting different values based on size

 \rightarrow Width and depth of lot

 \rightarrow Location of lot

ightarrow Topography

 \rightarrow Determine standard parcel depth



→Exemptions

- \rightarrow Benevolent and charitable
- →Literary and scientific
- →Churches
- →Veterans
- →Blind persons
- →Homestead
- →Others



- →Municipal valuation
 - →Mill rate = (budget + overlay)/total municipal value
 - →Budget = amount of municipal revenue to be raised from property tax
 - \rightarrow Overlay = excess revenue to cover unexpected costs
 - \rightarrow Cannot exceed 5% of budget
 - →Valuation book: list of every property
 - \rightarrow Commitment book: valuation book after presenting to tax collector
 - →Tax bills: individual property owner share of budget



→Abatements and appeals

- →Abatement
 - \hookrightarrow Within 185 days of commitment on written request
 - \hookrightarrow Within one year of commitment on assessor initiative
- →Appeal
 - → To board of assessment review (BAR) or county commissioners within 60 days of abatement denial
 - → To State Board of Property Tax Review within 60 days of abatement denial, if current use property or nonresidential property valued at \$1 million or more
 - $\, \hookrightarrow \, {\rm To} \ {\rm superior} \ {\rm court} \ {\rm within} \ 30 \ {\rm days} \ {\rm of} \ {\rm BAR/county} \ {\rm commissioners} \ {\rm decision}$
- \rightarrow Poverty abatements





<u>CHAPTER 6</u> MAPPING PROCEDURES

→Metes and bounds

 \rightarrow Described on a deed

→A process where the perimeter of a parcel is described from an initial reference point using angles and distances

 \rightarrow If done properly, it will end at the starting point

→Can be plotted on a map



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→Compass points
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→Map must be oriented with north facing up

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→ 360° in a full circle

→ North = 0°

→ East = 90°

→ South = 180°

→ West = 270°
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→Longitude and latitude

 \rightarrow Coordinates used to determine locations on Earth

→Latitude: measured from Equator

→Longitude: lines running through North and South Poles

→Magnetic north

→Different than true north (North Pole)

→Angle of declination = difference between true north and magnetic north

 \rightarrow For Maine, usually 15° to 20° west of true north



→Aerial photography

- →Common tool for mapping municipalities
- →Drawback: images not easily scalable

→Municipal tax maps should include:

- \rightarrow Orientation: uniform north arrow
- →Title: municipality, county, assessor name/address, map date
- →Legend: describing all symbols used
- \rightarrow Parcel identification: border lines, ID number, area



→Measurement tools

- →Architect's scale
- →Engineer's scale
- →Drafting equipment
- →Triangles
- →Parallel ruler
- →Protractor
- →Computer mapping programs



→Map scales

→Define distance on map equivalent to ground distance → For example, 1 inch = 100 feet

→Surveyor normally uses an engineer's tape (tape measure)

→Map maker normally uses an engineer's scale (ruler)



<u>CHAPTER 7</u> MARKET APPROACH



CHAPTER 7 – MARKET APPROACH

- →Market approach
 - →Normally used as a confirmation of value obtained by the cost approach
 - →Relates to the principle of substitution, which states that the market value of a property tends to be set by the cost of an equally desirable property



CHAPTER 7 – MARKET APPROACH

Advantages

Disadvantages

- →When sales are plentiful
- →For use on residential property
- →When there are many recent sales of similar property
- →If good assessor records are kept

- →Only a few recent sales
- →When valuing commercial, industrial, or income property
- →When sales are dissimilar
- →If inadequate assessor records are kept



CHAPTER 7 – MARKET APPROACH

- →The subject property (property being valued)
- →Compare subject to recently sold comparable property
- →When accounting for differences between subject and comparable, <u>always</u> adjust the comparable
 - \rightarrow If comparable is better, adjust the price down
 - \rightarrow If comparable is lacking, adjust price up
 - → For example, if analysis of sales indicates each bedroom contributes \$5,000 to total value and the subject has 3 bedrooms while the comparable has 2 bedrooms, increase the sale price of the comparable by \$5,000





<u>CHAPTER 8</u> THE ASSESSOR'S YEAR

- →Assessors should create a calendar schedule to meet the many annual deadlines
- →Important dates
 - →April 1: all property in Maine is valued as of this date
 - \rightarrow This is also the due date for taxpayers to submit most forms and applications
 - →November 1 (or 30 days after commitment, whichever is later): Municipal Valuation Return (MVR) is due to the State
 - → This document summarizes the municipality's valuation numbers and is used to determine state valuation and the amount of any State reimbursements



- \rightarrow Forms used by the assessor
 - \rightarrow Exemption/current use applications
 - \rightarrow BETR/BETE applications
 - \rightarrow Commitment forms
 - →Abatement forms
 - →Municipal Valuation Return
 - \rightarrow Turn around document
 - →Real Estate Transfer Tax Declaration



→Publications

- →The Property Tax Division publishes many instructional documents that are available on the division's website: *www.maine.gov/revenue/propertytax*
- →Bulletins
- →Rules
- →Textbooks
- →Law book
- →Assessment manual



→Assessor training and certification

→Requirement to obtain a Certified Maine Assessor (CMA) certificate →Pass the eight-hour CMA exam

→Requirement to retain certification → Complete at least 16 hours of continuing education each year

→Advanced certification levels are also offered



<u>CHAPTER 9</u> PUBLIC RELATIONS



CHAPTER 9 – PUBLIC RELATIONS

- →Assessors deal with many members of the public, with varying levels of knowledge
- →Effective communication and speaking to the knowledge level of your audience is a valuable skill
- →Elements of public relations
 - \rightarrow Availability: be accessible
 - →Honesty: be truthful
 - \rightarrow Attention: be engaged



CHAPTER 9 – PUBLIC RELATIONS

- →Traits of the assessor
 - →Knowledge
 - →Tact
 - →Patience
 - →Objectivity
 - →Ability to communicate



Contact:

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