

Moore County Appraisal District Plan for Periodic Reappraisal

2021 - 2022

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Tax Code Requirement

Passage of Senate Bill 1652 amended Section 6.05 of the Texas Property Tax Code by adding Subsection (i) to read as follows:

- (i) To ensure adherence with generally accepted appraisal practices, the Board of Directors of an Appraisal District shall develop biennially a written plan for the periodic reappraisal of all property within the boundaries of the district according to the requirements of Section 25.18 and shall hold a public hearing to consider the proposed plan. Not later than the 10th day before the date of the hearing, the secretary of the board shall deliver to the presiding officer of the governing body of each taxing unit participating in the district a written notice of the date, time, and place of the hearing. Not later than September 15th of each even-numbered year, the board shall complete its hearings, make any amendments, and by resolution finally approve the plan. Copies of the approved plan shall be distributed to the presiding officer of the governing body of each taxing unit participating in the district and to the Comptroller within 60 days of the approval date.

Plan for Periodic Reappraisal Requirement

Senate Bill 1652 amends Section 25.18, Subsections (a) and (b) to read as follows:

- (a) Each appraisal office shall implement the Plan for Periodic Reappraisal of property approved by the Board of Directors under Section 6.05(i).
- (b) The plan shall provide for the following reappraisal activities for all real and personal property in the district at least once every three years:
 - 1. Identifying properties to be appraised through physical inspection or by other reliable means of identification, including deeds or other legal documentation, aerial photographs, land-based photographs, surveys, maps, and property sketches;
 - 2. Identifying and updating relevant characteristics of each property in the appraisal records;
 - 3. Defining market areas in the district;
 - 4. Identifying property characteristics that affect property value in each market area including:
 - a. The location and market area of property;
 - b. Physical attributes of property, such as size, age, and condition;
 - c. Legal and economic attributes; and
 - d. Easements, covenants, leases, reservations, contracts, declarations, special assessments, ordinances, or legal restrictions;

5. Developing an appraisal model that reflects the relationship among the property characteristics affecting value in each market area and determines the contribution of individual property characteristics;
6. Applying the conclusions reflected in the model to the characteristics of the properties being appraised; and
7. Reviewing the appraisal results to determine value.

Revaluation Decision (Reappraisal Cycle)

The Moore CAD, by policy adopted by the Board of Directors and the Chief Appraiser, reappraises one third (1/3) of all property in the district every year. The reappraisal year is a complete appraisal of all properties in that portion of the district. Tax year 2021 is a reappraisal year and tax year 2022 is a reappraisal year.

Each year new construction is added to the appraisal roll and adjustments are made for changes in individual property characteristics which affect appraisal value. In addition, sales data is reviewed each year, and neighborhood cost factors are modified as necessary in order to adjust property values to local market conditions and to maintain equalization.

In the year of reappraisal, all cost schedules and depreciation schedules are reviewed and adjusted to local market conditions. Calibration to district CAMA and support software is made, and changes to internal appraisal formula, procedures, and techniques are modified and adjusted as needed.

Performance Analysis

Performance Analysis – the equalized values from the previous tax year are analyzed with ratio studies to determine the appraisal accuracy and appraisal uniformity overall and by market area within property reporting categories. Ratio studies are conducted in compliance with the current STANDARD ON RATIO STUDIES of the International Association of Assessing Officers. Mean, median and weighted ratios are calculated for properties in reporting categories to measure the level of appraisal accuracy. The mean ratio is calculated in each reappraised category to indicate the level of appraisal accuracy by property reporting category. In 2021, the reappraisal year, this analysis is used to develop the starting point for establishing the level and accuracy of appraisal performance. Likewise, in 2022, the reappraisal year, this analysis is used to develop a starting point for establishing the level and accuracy of appraisal performance. In 2021 and 2022, any reporting category that may have been excluded from reappraisal due to lack of data to support reappraisal will be tested and analyzed to arrive at an indication of uniformity or equity of existing appraisals.

Analysis of Available Resources

Staffing and budget requirements for tax year 2021 are detailed in the 2021 budget, as adopted by the Board of Directors of the Moore County Appraisal District, and attached to the written biennial plan by reference. This reappraisal plan is adjusted to reflect the available staffing in tax year 2022 and anticipated staffing for tax year 2022. Budget restraints can impact the cycle of real property re-inspection and personal property on-site review that can be accomplished in the 2021 – 2022-time period.

Existing appraisal practices, which are continued from year to year, are identified and methods utilized to keep these practices current. In the reappraisal year, real property appraisal depreciation tables are tested against verified sales data to ensure they represent current market data. Personal property density schedules are tested and analyzed based on renditions and prior documentation. Due to lack of sales of personal property in the district, the Comptroller's Guide is utilized to appraise personal property and for testing and analysis purposes.

Information Systems (IS) support is detailed and system upgrades are scheduled.

Planning and Organization

A calendar of key events with critical completion dates is prepared for each area of work. This calendar identifies key events for appraisal, clerical, customer service and information systems. A calendar is prepared for tax years 2021 and 2022. Production standards for field activities are calculated and incorporated in the planning and scheduling process.

Mass Appraisal System

Computer Assisted Mass Appraisal (CAMA) system revisions are completed by the Information Systems Software Provider. System revisions and procedures are performed by the Moore County Appraisal District.

Real Property Valuation

Revisions to cost models, income models and market models are specified, updated and tested each tax year.

Cost schedules are tested with market data (sales) to ensure that the Appraisal District is in compliance with Texas Property Tax Code, Section 23.011. Replacement cost new tables as well as depreciation tables are tested for accuracy and uniformity using ratio study tools and compared with cost data from recognized industry leaders, such as Marshall & Swift.

Land schedules are updated using current market data (sales) and then tested with ratio study tools. Value schedules are developed and tested on a pilot basis with ratio study tools.

Personal Property Valuation

Density schedules are tested using data received during the previous tax year from renditions and hearing documentation. Valuation procedures are reviewed modified as needed and tested.

Noticing Process

25.19 appraisal notice forms are provided by the IS Provider. The Provider reviews and edits for updates and changes required by legislative mandates. The district publishes information about the notices and how to protest in the local newspaper. The district makes available the latest copy of the Comptroller's pamphlet Taxpayer's Rights, Remedies and Responsibilities.

Hearing Process

Protest hearing scheduling for informal and formal Appraisal Review Board hearings is reviewed and updated as required. Standards of documentation are reviewed and amended as required. The Appraisal District hearing documentation is reviewed and updated to reflect the current valuation process and requirements. Compliance with House Bill 201 is insured.

Data Collection Requirements

Field and office procedures are reviewed and revised as required for data collection. Activities for each tax year include new construction, demolition, remodeling, re-inspection of problematic market areas, re-inspection of the universe of properties on a specific cycle, and field or office verification of sales data and property characteristics.

New Construction/Demolition

New Construction field and office review procedures are identified and revised as required. Sources of building permits are confirmed. The City of Dumas, City of Sunray and the City of Cactus provide copies of building permits issued through the year.

Remodeling

Properties with extensive improvement remodeling are identified and field inspections are scheduled to update property characteristic data.

Re-inspection of Problematic Market Areas

Real property market areas, by property classification, are tested for low or high ratio sales and/or high coefficients of dispersion. Market areas that fail any or all of these tests are determined to be problematic. Field inspections are scheduled to verify and/or correct property characteristic data. Additional sales data is researched and verified.

Re-inspection of the Universe of Properties

The International Association of Assessing Officers' Standard on Mass Appraisal of Real Property specifies that the universe of properties should be re-inspected on a cycle of 3 years. The re-inspection includes physically viewing the property, photographing, and verifying the accuracy of the existing data. The field appraiser has an appraisal card of each property to be inspected and makes notes of changes, depreciation changes, remodeling, additions, etc. The annual re-inspection requirements for tax years 2021 and 2022 are identified and scheduled in the written reappraisal plan.

Field or Office Verification of Sales Data and Property Characteristics

Sales information must be verified and property characteristic data contemporaneous with the date of sale captured. The sales ratio tools require that the property that sold must equal the property appraisal in order that statistical analysis results will be valid.

Pilot Study by Tax Year

Testing of New or Revised Mass Appraisal Methods

New and/or revised mass appraisal models are tested each tax year. Ratio studies, by market area, are conducted on proposed values each tax year.

Ratio Studies by Market Areas and Property Category

Proposed values on each category are tested for accuracy and reliability. These modeling studies (sales ratio studies) are conducted each tax year. Real and personal property and their associated sub-categories will be ratio tested to ensure district valuation models are designed and calibrated properly.

Test Accuracy and Reliability in Certain Market Areas

Actual test results are compared with anticipated results and those models not performing satisfactorily are refined and retested. The procedures used for model specification and model calibration are in compliance with USPAP, Standard Rule 6.

Valuation by Tax Year

Using market analysis of comparable sales and locally tested cost data, valuation models (Cost per Square Foot Schedules) are specified and calibrated in compliance with supplemental standards from the International Association of Assessing Officers and the Uniform Standards of Professional Appraisal Practice. The calculated values are tested for accuracy and uniformity using ratio studies. Performance standards are those as established by the IAAO Standard on Ratio Studies. Property values in all market areas are updated each reappraisal year.

Valuation by Property Type

Vacant Real Property

Overview

A separate estimate of fair market value shall be made for each parcel of non-agricultural land as if it were vacant. The sales data covering fair market sales of vacant non-agricultural land in all property classifications shall be secured from all available sources and shall be compiled, checked, and analyzed for use in the determination of non-agricultural land values and their units of comparison throughout the county. The Moore County Appraisal District shall carefully consider all factors affecting the value of land (such as zoning, location, shape, size, topography, access to railroads, roads, present use, etc.) and will make appropriate adjustments when establishing final values.

The market approach, also known as the sales comparison approach, will be the primary valuation method used for the appraisal of vacant real property. All factors affecting the market value of lots and parcels shall be carefully considered in both the field inspection and final review. All vacant land shall be appraised at its typical or most probable use.

Single Family Residences

Overview

Single family residences consist of all land and real property improvements, which by the nature of their design and/or construction are suitable for single family use only. This includes manufactured homes, which can be classified as either real property or personal property.

Highest and Best Use

The highest and best use must be physically possible, legal, financially feasible, and productive to its maximum potential. The residential appraisal staff will conduct a highest and best use analysis of residential property to ensure the current use of property supports the highest present value as of the date of the appraisal. The highest and best use of residential property is normally its current use. Residential Valuation undertakes reassessment of highest and best use in transition areas and areas of mixed residential and commercial use. Adjustments to the property value is made via changes in land classification or adjustments factors; improvement adjustment factors or classification code; or a combination of land and improvement adjustments are made in order to properly appraise the subject property at market value.

Assumptions and Limiting Conditions

The appraisals completed by MCAD for single family residences are subject to the following assumptions and limited conditions:

1. The Moore County Appraisal District's staff has physically inspected all single-family residences within its jurisdiction and normally re-inspects and/or conducts statistical studies on these properties annually. Interior inspections have not been done on a majority of the properties in the jurisdiction because (1) most residential owners are not at their residence during regular business hours, (2) permission to inspect is not always granted, (3) the safety of the appraiser may be in question, and (4) respect for privacy rights of the property owner should be exercised.
2. The opinion of value for each single-family property applies to land and improvements only. The value of personal property of an owner has not been included with the value of the real estate. The only personal property that is valued as an improvement only is a manufactured home where the owner of the home does not own the land. See Sec 11.14 (a) of the Texas Property Tax Code.
3. Single family qualified properties used to provide affordable housing are appraised in compliance with Section 23.33 of the Texas property Tax code. (Jurisdictional Exception of Standards Rule 6-4 (b) of USPAP)

Data Collection and Validation

Two basic types of data are collected: data which is specific to each property and data which is indicative of a particular class of property that has been predefined by MCAD.

Property specific data is collected as part of the inspection process and through submission by the property owner. As part of the inspection process, the improvements are measured and classified. The appraiser also estimates the effective age and condition of the improvements. Any additional or unusual features are also noted at the time of the inspection. Data on

individual properties is maintained on the appraisal card(s) for that property. Data on individual properties is verified through previously existing records, published reports, building permits, analysis of comparable properties and through submission by the property owner. Appraisal cards are available for review at the Appraisal District Office.

Data pertaining to a class of properties is grouped together according to the differing quality levels and then used to develop valuation models for each property class. Such data is collected in a variety of ways. Cost information is obtained from nationally recognized sources, local contractors, new construction permits, mechanic's liens, reliable sources of new property sales and from renditions submitted by owners. All local information is used to verify, supplement, or modify costs from these published sources. New models and cost tables are currently under construction and are being used in test areas. Renditions are confidential submissions by property owners and cannot be used for other properties. However, data from renditions may be compared with data obtained from cost manuals to test their accuracy. MCAD currently has a comprehensive appraisal manual for residential property.

Market sales information is collected from a variety of sources including surveys of buyers and sellers, deed records and from local real estate professionals.

Valuation Approach and Analysis

Improvements are appraised using replacement cost new less depreciation models. Replacement costs are estimated from published sources, other publicly available information and comparable properties. Depreciation is calculated on the age/life method using typical economic lives and depreciation rates based on published sources, market evidence and the experience of knowledgeable appraisers. Adjustments for functional and economic obsolescence may be made if diminished utility and comparable sales are found to justify such. A market data model based on typical selling prices per unit of area is also used when appropriate sales information is available.

The formula is expressed as follow:

Replacement Cost New x Total Percent Good + Depreciated Additive Values + Land Value
(Adjusted by Market Indicators as determined by Sales Data, as available)

Land values are based on selling prices for the appropriate highest and best use of the site and as though it was vacant. Highest and best use analysis of the improvements is based on the likelihood of the continued use of the improvements in their current and/or intended use and is essential to an accurate appraisal. Identification of a highest and best use different from the current or intended use has a significant effect on the cost and market data models and is always a statement of opinion, not a statement of fact.

Review and Testing

Field review of appraisals is performed through the regular inspection of subject properties. Ratio studies are performed and are the preferred method for measuring performance. The results of the performance measures used indicate the validity of the appraisal models used. Appraisers perform ratio studies for their assigned areas.

Performance is also measured through comparison with valid single property appraisals submitted for staff review. Appraisal results are also tested annually by the Property Tax Division of the Texas Comptroller's Office. Appraisal methods and procedures are also reviewed by the Property Tax Division.

Multi-Family Properties

Overview

Multi-family properties with situs in this district are appraised at market value as previously defined.

Assumptions and Limiting Conditions

The appraised value derived is subject to the following assumptions and limiting conditions:

1. For multi-family properties only, the market value stated is for land, improvements and the personal property common to the classification and economic area. The business personal property value is insignificant to the overall value.
2. The Moore County Appraisal District's staff has physically inspected all apartment complexes and duplex properties within its jurisdiction and normally re-inspects and/or conducts statistical studies on these properties annually.
3. For a multi-family property that is used to provide affordable housing the property is appraised to comply with Texas Property Tax Code Section 23.33. (Jurisdictional Exception to Standard 6-2 (d) or USPAP)

Data Collection and Validation

Two basic types of data are collected: data which is specific to each property and data which is indicative of a particular property class that has been predefined by MCAD.

The property appraised has multi-family use. This classification of properties includes apartment complexes and duplex properties. Properties of this classification are discovered and their characteristics recorded during field inspections, investigation of building permits issued through political entities and investigation of mechanic's lien recorded with the County Clerk. Geographically, these properties are located throughout the county.

Specific property data is collected at the time of inspection or re-inspection and through submissions by property owners. Characteristics of a specific property's physical improvements and amenities are recorded and stored electronically and may be printed on an appraisal card(s). Appraisal cards are available for review at the district office.

Sales data is taken from deed records, local real estate professionals, written appraisal reports and telephone contact with principals. Sales are validated with the principals when possible. Sales data for properties is account specific and retained electronically.

General market data is gathered from multiple sources. Environmental, economic, political and social influences vary geographically and by property use. Neighborhoods have been delineated to reflect competing properties within a use and the influences on that use. Apartment properties were assigned a comparative classification in the inspection process. Duplexes are classed in compliance with predefined classing criteria.

Apartment income and occupancy information is gathered by telephone surveys. Income data is arrayed by neighborhood and comparative class to seek rent anomalies or outliers. Market rent and occupancy levels are established by neighborhood, comparative class, condition, desirability and age. Historical income and occupancy trends are studied, and those trends are forecast and projected into future years. Also considered are expenses from previous year's data, as supplied by the owner or operator of the property. From this research, expense trends are analyzed and projected.

Investor surveys are reviewed and their requirements and expectations are considered, as are trends from previous surveys. A range of investor yield rates is selected and a gradient scale is used in consideration of the neighborhood characteristics and comparative class of properties. Income and models are built for classes and neighborhoods in which a sufficient amount of quality data exists. Where data is inadequate or inconsistent, models are interpolated.

Valuation Approach and Analysis

Based on the principal of substitution, land values are determined by selling prices for similarly positioned functional tracts. Sites are analyzed for highest and best use as though they were vacant. Highest and best use of the improvements is based on the likelihood of the continued use of the improvements in their current and/or intended use and is essential to an accurate appraisal. Identification of a highest and best use different from the current or intended use has a significant effect on the cost and market data models and is always a statement of opinion, not a statement of fact.

A value per unit is charted and stratified by neighborhood and comparative class. A sales value per unit is also charted by neighborhood and comparative class for recent sales. Acceptable

ranges of value are established for these comparative units. Preliminary property values are adjusted to meet with agreed ranges and then unique property considerations are addressed.

New apartment construction is valued based on actual cost, when available. If actual costs are not available, national cost manuals are compared to the estimated cost on the building permit.

For apartment complexes within the Appraisal District, personal property value is included with the real property estimate. This practice is due to the district's reliance on sales information and the income approach to value. Sales prices reported to the district are for the total property, real and business personal, and the income approach develops a value indication for all property necessary to sustain stabilized income for the total property. The business personal property value is considered an insignificant portion of the overall property value.

Duplex properties are appraised by market adjusted cost models. Property classifications are delineated and each classification's descriptive characteristics will be incorporated in new models and cost tables that are currently under construction. Sales ratio studies are generated for each neighborhood. Neighborhood adjustments are applied as necessary and individual properties are reviewed for reasonableness.

Review and Testing

Field review or appraisals is performed through the regular inspection of subject properties. Ratio studies are reviewed for level of appraisal (measurements of central tendency and dispersions), bias, and appropriateness of neighborhood boundaries. Results of the performance measures used indicate the validity of the appraisal models.

Preliminary values are reviewed in consideration of classification and neighborhood. Value indications are compared to renditions and valid single property appraisals submitted for staff review. The appraiser reviews the submitted appraisal report to confirm and verifying data as would be done with a sale. Final value recommendations are tested for reasonableness by performing a sales ratio study and individually, during the appeal process. During the appeal process, property specific income and expenses are reviewed for reasonableness and values are adjusted as necessary.

Appraisal results are tested annually by the Property Tax Division of the Comptroller of Public Accounts for the State of Texas. Appraisal methods and procedures are also reviewed by the Property Tax Division.

Commercial Property Overview

This type of property consists of all land and improvements in Moore County that are classed “commercial” according to the properties highest and best use. The commercial valuation function is divided into five improved property valuation groups and a vacant land group. Summarized as Multi-family (Apartments), Office, Retail, Warehouse and Special Use Commercial (i.e. hotels, hospitals and nursing homes).

Highest and Best Use

The highest and best use must be physically possible, legal, financially feasible, and productive to its maximum potential. The commercial appraisal staff will conduct a highest and best use analysis of commercial property to ensure the current use of property supports the highest present value as of the date of the appraisal. The highest and best use of commercial property is normally its current use. Commercial valuation undertakes reassessment of highest and best use in transition areas and areas of mixed residential and commercial use. Adjustments to the property value is made via changes in land classification or adjustments factors; improvement adjustment factors or classification code; or a combination of land and improvement adjustments are made in order to properly appraise the subject property at market value.

Highest and best use analysis is used to confirm the accuracy of the market value estimate which approximates market price under the following assumptions: (1) no coercion of undue influence over the buyer or seller in an attempt to force the purchase or sale, (2) well-informed buyers and sellers acting in their own best interests, (3) a reasonable time for the transaction to take place, and (4) payment in cash or its equivalent.

Assumptions and Limiting Conditions

The appraisals completed by MCAD are subject to the following assumptions and limiting conditions:

1. The opinion of value for each property applies to land and improvements only. The value of trade fixtures, furnishings and other equipment has not been included with the value of the real estate.
2. The Moore County Appraisal District’s staff has physically inspected all properties within its jurisdiction and normally re-inspects and/or conducts statistical studies on these properties annually. Complete interior inspections have not been done on a majority of the properties.

Data Collection and Validation

Two basic types of data are collected: data which is specific to each property and data which is indicative of a particular class of property that has been predefined by MCAD.

Property specific data is collected as part of the inspection process and through submission by the property owner. As part of the inspection process, the improvements are measured and classified. Properties are classified according to construction type and quality. The appraiser also estimates the effective age and condition of the improvements. Any additional or unusual features are also noted at the time of the inspection. Data on individual properties is maintained on the appraisal card(s) for that property. The data includes legal description, situs, owner, address, parcel number and the property specific information such as class, quality, measurements, condition, etc. Data on individual properties is verified through previously existing records, published articles and reports, building permits, mechanic's liens, analysis of comparable properties and though information obtained from the property owner. Appraisal cards are available for review at the Appraisal District office.

Data pertaining to a class of properties is used to develop valuation models for that property class. Such data is collected in a variety of ways. Cost information is obtained from nationally recognized sources, as well as from new construction permits, mechanics liens, local contractors, reliable sources of sales on new property and renditions submitted by the property owners. Cost information on newly constructed improvements is also used to verify and/or modify costs from published sources. MCAD currently has a comprehensive appraisal manual for commercial property. Renditions are confidential submissions by property owners and cannot be used for other properties. However, data from renditions may be compared with data obtained from cost manuals to test their accuracy.

Market sales information is collected through surveys of buyers and sellers in addition to public records.

Valuation Approach and Analysis

Land values are based on selling prices for the appropriate highest and best use of the site analyzed as though vacant. Highest and best use analysis of the improvements is based on the likelihood of the continued use of the improvements in their current and/or intended use and is essential to an accurate appraisal. Identification of a highest and best use different from the current or intended use has a significant effect on the cost and market data models and is always a statement of opinion, not a statement of fact.

Improvements are valued using replacement/reproduction cost new less depreciation. Cost tables are constructed using published sources as a guide and adjustments are applied using local market information. Adjustments are also applied for functional and economic obsolescence if utilization, sales and income information warrant. An income approach is also used when economic and/or subject property income information is available. A market data model based on typical selling prices per unit of similar properties is used when sufficient information is available.

The cost approach to value is most accurate and reliable when appraising new construction. In older areas or areas of transition, cost is calculated and considered. However, due to the difficulty of measuring accrued depreciation, more weight is applied to the market and income approaches.

Review and Testing

Field review of appraisals is performed through the regular inspection of subject properties. A computer-generated statistical review is also conducted. The statistical report includes appraisal to sales ratio, coefficient of dispersion and other statistical measures. The performance measures used validate the results of the appraisal model.

Although the ratio study is the preferred method of measuring performance, single property appraisals submitted to the appraisal staff are also reviewed for appraisal accuracy. Appraisal results are tested annually by the Property Tax Division of the Texas comptroller's Office. Appraisal methods and procedures are also reviewed by the Property Tax Division.

Moore County Appraisal District contracts with Pritchard & Abbott, Inc. for annual reappraisal of some properties in the commercial and industrial property types. The income approach, cost approach, and sales comparison approach is considered by the contractor in arriving at the final property value when sufficient data is available.

Pritchard & Abbott, Inc. has prepared a separate and distinct reappraisal plan and mass valuation report pertaining to commercial and industrial property on behalf of the appraisal district for the current tax year. The mass commercial and industrial valuation report is made in accordance to current USPAP requirements and standards. The Appraisal District has included a copy of the Pritchard & Abbott's 2021-2022 reappraisal plan in this report.

Business Personal Property

Overview

Business personal property is the tangible personal property owned by a business or by an individual for the purpose of producing income. Other tangible personal property is exempt according to Sec 11.14 (a) of the Texas Property Tax Code.

Assumptions and Limiting Conditions

The appraisals completed by the MCAD are subject to the following assumptions and limiting conditions:

The Moore County Appraisal District's staff has physically inspected all properties within its jurisdiction and normally re-inspects and/or compares renditions and the Comptroller's lists of active businesses report on these properties annually.

Data Collection and Validation

Data on new and existing businesses is collected through personal inspection, newspaper articles, government reports, comparisons to like businesses, renditions and other confidential information supplied by the owner. Due to the multitude of personal property types, there is no standard data collection form or manual.

Valuation Approach and Analysis

Personal property as defined by the Uniform Standards of Professional Appraisal Practice is "identifiable, portable and tangible objects which are considered by the general public to be 'personal', e.g. furnishings, artwork, antiques, gems and jewelry, collectibles, machinery and equipment: all property that is not classified as real estate." The Texas Property Tax Code Section 1.04 (5) defines tangible personal property as "... personal property that can be seen, weighted, measured, felt or otherwise perceived by the senses but does not include a document or other perceptible object that constitutes evidence of a valuable interest, claim, or right and has negligible or no intrinsic value." The Texas Property Tax Code Section 1.04 (4) defines personal property as "... property that is not real property."

The purpose of the appraisals of business personal property is to estimate market value on January 1 of each year as previously defined in the introduction. A separate definition of market value for inventory is found in the Texas Property Tax Code Sec 34.12 (a).

"... the market value of an inventory is the price for which it would sell as a unit to a purchaser who would continue the business." The Texas Property Tax Code sets forth three ways in which inventory may be valued if the requirements are met:

1. Sec 23.12 (f) allows some inventories to qualify for appraisal as a September 1 of the year before January 1 of the taxable year.
2. Sec 23.121, 23.127, 23.124I, and 23.12D dictate that dealers in new and used vehicles, vessels, outboard motors and trailers, manufactured housing and heavy equipment be valued differently. (Jurisdictional Exception to Standard Rule 6-3 (b) & (c).
3. Sec 23.12 (a) covers the inventories of remaining businesses.

Personal property is appraised using original cost less depreciation models. Depreciation is calculated on the age/life method using typical economic lives and depreciation rates based on

published sources, market evidence and the experience of knowledgeable appraisers. Adjustments for functional and economic obsolescence may be made if utilization for the subject property justifies such. In the case of some personal property types, such as licensed vehicles and aircraft, market data from published pricing guides is used to construct a market value model. In other cases, models are based on quality and density information available through published sources or through private sources. These models are cost based.

Review and Testing

Field review of appraisals is performed through the inspection of subject properties.

Sales for most types of personal property are infrequent. Furthermore, many market transactions occur for multiple sites and include both real and personal property, tangible and intangible, thereby making analysis difficult, subjective and inadequate to develop a statistical analysis. Performance is measured through comparison of like businesses as well as applying quality and density models to units of comparison. Performance is also measured through comparison with valid single property appraisals submitted for staff review. The appraiser considers the submitted appraisal report by confirming and verifying data as would be done with a sale. MCAD's appraisal methods and procedures and values are subject to review by the Property Tax Division of the Texas Comptroller's Office. The results of this review indicate the validity of the models and calibration techniques employed by MCAD.

Moore County Appraisal District contracts with Pritchard & Abbott, Inc. for annual reappraisal of some properties in the business personal property types. The income approach, cost approach, and sales comparison approach is considered by the contractor in arriving at the final property value when sufficient data is available.

Pritchard & Abbott, Inc. has prepared a separate and distinct reappraisal plan and mass valuation report pertaining to business personal property on behalf of the appraisal district for the current tax year. The mass business personal property valuation report is made in accordance to current USPAP requirements and standards. The Appraisal District has included a copy of the Pritchard & Abbott's 2021-2022 reappraisal plan in this report.

Utilities

Moore County Appraisal District contracts with Pritchard & Abbott, Inc. for annual reappraisal of utility real and personal property types. The income approach, cost approach, and sales comparison approach is considered by the contractor in arriving at the final property value when sufficient data is available.

Pritchard & Abbott, Inc. has prepared a separate and distinct reappraisal plan and mass valuation report pertaining to utility property on behalf of the appraisal district for the current

tax year. The mass utility valuation report is made in accordance to current USPAP requirements and standards. The Appraisal District has included a copy of the Pritchard & Abbott's 2021-2022 reappraisal plan in this report.

Mineral Properties

Moore County Appraisal District contracts with Pritchard & Abbott, Inc. for annual reappraisal of mineral (oil and gas) real and personal property types. The income approach, cost approach, and sales comparison approach is considered by the contractor in arriving at the final property value when sufficient data is available.

Pritchard & Abbott, Inc. has prepared a separate and distinct reappraisal plan and mass valuation report pertaining to mineral property on behalf of the appraisal district for the current tax year. The mass mineral report is made in accordance to current USPAP requirements and standards. The Appraisal District has included a copy of the Pritchard & Abbott's 2021-2022 reappraisal plan in this report.

Special Valuation Properties

Agricultural Use Properties

Overview

Moore County Appraisal District contracts with Purdue, Brandon, Fielder, Collins & Mott LLP for annual reappraisal of agriculture use property types. The income approach, cost approach, and sales comparison approach is considered by the contractor in arriving at the final property value when sufficient data is available.

Data Collection and Validation

The district will obtain information regarding agricultural use land from state and federal agencies as available. In addition, information will be collected from agricultural professionals, renditions, trade journals and publications, and other sources considered reliable. Recognized organizational sources for information include:

1. Agricultural Advisory Board
2. The Texas Agricultural Extension Service
3. Agricultural Stabilization and Conservation Service
4. Soil Conservation Service
5. Texas Agricultural Statistical Service
6. Farmers Home Association

7. Production Credit Association
8. Universities and Colleges
9. Property Tax Division of the Texas Comptroller

The Mass Appraisal Report

Each tax year, the required Mass Appraisal Report is prepared and certified by the Chief Appraiser at the conclusion of the appraisal phase of the ad valorem tax calendar (on or about May 15th). The Mass Appraisal Report is completed in compliance with Standard Rule 6 – 8 of the Uniform Standards of Professional Appraisal Practice. The signed certification by the Chief Appraiser is compliant with Standard Rule 6 – 9 of USPAP. This written reappraisal plan is attached to the report by reference.

Value Defense

Evidence to be used by the Appraisal District to meet its burden of proof for market value and equity in both informal and formal Appraisal Review Board hearings is developed each year. These items include, but are not limited to: cost schedules, depreciation schedules, land tables, sale and equity comparable adjustment grids, sale data, retail surveys, vacancy information, expense ratios, overall capitalization rates, income & expense data, field cards and photographs. This information is maintained electronically in categorized files by department and utilized throughout the appraisal calendar.

Communications

Authorized staff of the appraisal district will communicate with the owner, property manager, fiduciary agent, or other duly authorized parties in a good faith effort to ascertain and update property information and to resolve valuation and exemption conflicts. Communication methods include but are not limited to: in-person visits, telephone conversations, postal correspondence, and email correspondence. Formal reviews will include all required and adopted official notices, forms, formal letters, affidavits, and personal appearances before the Appraisal Review Board.

General Informal Review Procedures

Moore CAD often conducts informal reviews of an owner/agent's property in order to resolve issues and concerns of the owner/agent. The appraiser assigned to informally review of accounts will comply with authorized communications standards as listed above. The appraiser will confirm the existence and accuracy of property data characteristics and will review any and all evidence submitted by the owner or authorized agent regarding property issues addressable by the appraisal district. Informal valuation reviews will be comprised of data accuracy checks,

verification of improvements, review of market adjustment factors, and review of comparable sales information.

The district appraiser will utilize available valuation tools to assist in the market value analysis. Specialized valuation tools may include but is not limited to: sales data ratios, archived value reports and appraisals, data queries from the CAMA system, various district ratios and reports. The district appraiser will physically inspect the subject property at the request of the owner or agent, or if deemed necessary by the appraiser.

Upon reaching an amicable agreement, the appraiser is authorized to sign the district's Value Change Form. The owner/agent will be required to sign same form in order to accept the agreed upon settlement terms for the current year.

General Formal Review Procedures

The Moore County Appraisal District will present all formal taxpayer protests to the Appraisal Review Board (ARB). An ARB is a group of citizens authorized to resolve disputes between taxpayers and the appraisal district. The ARB will determine taxpayer protests. In taxpayer protests, the ARB will listen to both the taxpayer and the chief appraiser.

ARB decisions are binding for the year in question and all meetings are open to the public. Notices of the date, time and place of each meeting will be posted at least 72 hours in advance at the appraisal district office and the county clerk's office in accordance with the Texas Open Meetings Act. The ARB's hearing procedures will be posted in a prominent place in the room in which hearings are held.

At least 14 days prior to a taxpayer's protest hearing, the appraisal district will provide the taxpayer a copy of the ARB procedures and a statement affirming the taxpayer may inspect and obtain a copy of the data, schedules, formulas and any other information the chief appraiser plans to introduce at the hearing as requested. The taxpayer or authorized agent will be required to appear in person; by phone; send a person duly authorize in writing to appear on behalf of the owner; or send a sworn affidavit to the ARB with supporting evidence.

The district will prepare evidence to be presented to the ARB in accordance with the rules and procedures established by the Texas Property Tax Code. The Chief Appraiser or his authorized staff member will present the district's case in ARB hearings, allowing for review of evidence, questioning, and cross examination from ARB members. Once the ARB board rules concerning a protest appeal, the ARB will direct a written order to be sent by certified mail.

The taxpayer will have the right to appeal the ARB's decision to state district court in the county in which the property is located. The taxpayer may also be able to appeal the ARB decision to binding arbitration as detailed in the provisions of the Texas Property Tax Code. A petition for

review with the district court must be filed within 60 days of receiving the ARB's order, and not later than the 45th day after receiving notice of the ARB order for binding arbitration.

The Written Reappraisal Plan For Moore County Appraisal District

Planning a Reappraisal

Variation in reappraisal requirements requires Moore County Appraisal District to carefully plan its work before beginning any reappraisal. Although the planning process may vary in specifics, it should involve five (5) basic steps:

1. Assess current performance.
2. Set reappraisal goals.
3. Assess available resources and determine needs.
4. Re-evaluate goals and adjust as necessary.
5. Develop a work plan.

Steps in a Reappraisal

The International Association of Assessing Officers (IAAO) textbook, *Property Appraisal and Assessment Administration*, lists ten steps in a reappraisal. These steps outline those activities performed by Moore County Appraisal District for the completion of periodic reappraisals. Activities are listed below in the order in which they occur:

1. Performance Analysis:
 - Ratio study
 - Equity of existing values
 - Consistency of values with market activity
2. Revaluation Decision:
 - Statutory – at least once every three years
 - Administrative policy
3. Analysis of Available Resources:
 - Staffing
 - Budget
 - Existing practices
 - Information system support
 - Existing data and maps
4. Planning and Organization
 - Target completion dates
 - Identify performance objectives
 - Specific action plans and schedules
 - Identify critical activities with completion dates

- Set production standards for field activities
- 5. Mass Appraisal System:
 - Forms and procedures revised as necessary
 - CAMA (Computer Assisted Mass Appraisal) system revisions as required
- 6. Conduct Pilot Study
 - Test new/revised appraisal methods as applicable
 - Conduct ratio studies
 - Determine if values are accurate and reliable
- 7. Data Collection
 - Building permits and other sources of new construction
 - Check properties that have undergone remodeling
 - Re-inspection of problematic properties
 - Re-inspection of universe of properties on a cyclic basis
- 8. Valuation
 - Market analysis (based on ratio studies)
 - Schedules development
 - Application of revised schedules
 - Calculation of preliminary values
 - Tests of values for accuracy and uniformity
- 9. The Mass Appraisal Report
 - Establish scope of work
 - Compliance with Standards Rule 6 – 7 of USPAP
 - Signed certification by the Chief Appraiser as required by Standards Rule 6 – 8 of USPAP
- 10. Value Defense:
 - Prepare and deliver notices of value to property owners
 - Hold informal hearings
 - Schedule and hold formal appeal hearings

***** Note: The burden of proof (evidence) of market values and equity falls on the Appraisal District. *****

Moore County Appraisal District Residential, Commercial, Rural and Personal Property 2021 - 2022 Reappraisal Plan

Pursuant to Section 25.18 of the Texas property Tax Code, the Moore County Appraisal District has established the following reappraisal plan to provide for the reappraisal of all property within the district at least once every three (3) years. The plan establishes a two-fold approach:

1. Three Year Cycle: The CAD is divided into three market areas. Each year, all real residential and commercial property within one of the areas will be reappraised, regardless of any ratio study/report findings. These areas are identified as follows:

- a. Area One: City of Dumas (to be completed 2021)
- b. Area Two: City of Sunray, City of Cactus and Double Diamond Estates (2022)
- c. Area Three: Moore County Rural (2023)

As mentioned prior, these yearly plans are designed to be flexible within the overall reappraisal plan. The specific workload within and between plan years may need to be adjusted to provide for complete and accurate reappraisals. Each of the cycle years will include those properties needing an inspection based on other methods of identification, such as new construction, new ownership, changing market areas, new development, etc. as discussed in the section concerning data collection requirements.

*****Note: All mobile homes, income producing, personal property and mineral interests within the CAD are appraised on an annual basis, regardless of location. *****

2. Annual Ratio Reports: In addition to the three-year cycle stated above, ratio studies shall be performed annually to determine areas or categories of properties within the CAD which need to be reappraised within the current year based on sales ratios. Any areas or categories whose ratios are above or below statutory requirements shall be reappraised in the current year regardless of the area in which they are located.

This two-fold approach will insure not only that all residential and commercial property within the CAD is reappraised at least once every three years, but also that all other categories within the CAD are reviewed annually so that the appraisal district stays current with respect to market value in those areas where residential and/or commercial property values appear to be changing rapidly.

Organization

Field inspections are carried out by the field appraiser as directed by the Chief Appraiser. The field appraiser physically inspects areas required by the reappraisal cycle, checks all existing data, works building permits, takes photographs of improvements, draws plans of new improvements for entry into computer, rechecks any property on which a question or problem has arisen. Other duties may be required and will be executed upon direction of the Chief Appraiser.

Data entry of field work notes and sketches is performed by Appraisal District staff.

The property appraisers perform market analysis. Sales data is gathered throughout the year from deed records, sales confirmation letters from property owners and other sources. The market data is analyzed, sales data is confirmed, outliers are identified, existing classification system is reviewed, market schedules are reviewed and updated as necessary and final market schedules are applied to the universe of properties.

2021 Reappraisal Schedule

September 1, 2020 - March 31, 2021 - Appraisers will begin and complete field inspections of all real property.

September 1, 2020 - May 20, 2021 - Complete work for city permits and inspection report for tax year 2021.

October 1, 2020 - May 1, 2021 - Appraisers modify cost schedules and depreciation tables to reflect current market conditions.
Conduct and complete sales ratio studies.
Conduct and complete CAD Value vs. Sales Information using ratio study.
Identify necessary schedule adjustments.

December 1, 2020 - May 1, 2021 - Gather current sales data from sales survey letters, deed records and other sources.

January 1, 2021 - Statutory appraisal date for most categories of taxable property.

January 2021 - Appraisers modifies personal property schedules for 2021.

January 1, 2021 - May 20, 2021 - Receive and process property owners submitted property renditions.
Receive and process applications for exemptions and special appraisal.
Refine sales analysis and mass appraisal schedules.
Statistically test schedules.
Complete data entry of all reappraisal and maintenance changes.
Finalize all field work and data collection activities.
Complete specifications of all valuation models.

January 15, 2021 - March 15, 2021 - Work commercial vehicle registration list.

January 15, 2021 - May 31, 2021 - Work personal property renditions.

April 1, 2021 - (or soon thereafter); Mail written appraisal notices.

April 1, 2021 - July 15, 2021 - Informal meetings with taxpayers and/or agents.
Respond to property owners' inquiries.

May 2021 - Mail remaining written appraisal notices. May 25th deadline to mail notices for personal property.

ARB Organizational Meeting.

- July 2021** Formal protest hearings with ARB.
Enter into computer all changes as ordered by ARB.
ARB approval of appraisal records by July 20th.
Import Pritchard & Abbott's valuation for mineral and industrial property.
- July 25, 2021** Target date for Chief Appraiser to certify the appraisal roll to each taxing entity in Moore County.
- As Needed:** Handle any outstanding protests by scheduling ARB hearings.

2022 Reappraisal Schedule

The same timetable and duties apply in each year. The field appraisers shall physically inspect all property as described in area three (3). The Chief Appraiser and CAD staff shall continue to complete the same duties and reappraisal steps as outlined for 2021.

Moore County Appraisal District 2019 Summary Report

Introduction

Purpose

The purpose of this report is to better inform the property owners within the boundaries of the Moore County Appraisal District (MCAD) and to comply with Standards Rule 6 – 7 of the Uniform Standards of Professional Appraisal Practice (USPAP), effective January 1, 2002 – December 31, 2002. Standards Rule 6 – 7 addresses a written summary report of a mass appraisal for ad valorem taxation. Mass Appraisal is the process of valuing a group of properties as of a given date. Using standard methods, and employing common data, which allows for statistical testing. The intended use of the appraised values is to establish a tax base upon which a property tax will be levied. Each taxing unit within MCAD boundaries will use the appraised values for ad valorem tax purposes only.

The purpose of the appraisals performed by MCAD is to estimate market value on January 1 of each year as defined by the Texas Property Tax Code (Sec 1.04) on all taxable property within the boundaries of MCAD. "Market Value" is defined by Sec 1.04 as the price at which a property would transfer for cash or its equivalent under prevailing market conditions if:

- a. Exposed for sale in the open market with a reasonable time for the seller to find a purchaser;

- b. Both the seller and the purchaser know of all the uses and purposes to which the property is adapted and for which it is capable of being used and of the enforceable restrictions on its use; and
- c. Both the seller and the purchaser seek to maximize their gains and neither is in a position to take advantage of the exigencies of the other.

Responsibilities

The Appraisal District is responsible for appraising property in the district for ad valorem tax purposes for each taxing unit that imposes ad valorem taxes on the property in the district. MCAD serves the public and twelve taxing entities of Moore County. Taxing entities in Moore County are composed of three school districts, four cities, the county, two water districts and one hospital district. The appraisal district also has one school district that extends into Sherman County. Hutchinson County has one school district that overlaps into Moore County. The Appraisal District certified a total of 46,683 parcels with a total market value of \$2,788,038,265 for 2020. The following are those parcels and values by property type:

Real, residential, single family	6,179	\$616,050,875
Real, residential, multifamily	194	\$33,144,010
Real, vacant platted lots/tracts	1,611	\$12,304,319
Real, acreage (land only)	2,696	\$372,109,638
Real, farm and ranch improvements	271	\$9,600,426
Real, commercial and industrial	988	\$708,322,640
Real, oil & gas, mineral reserves	25,750	\$138,425,150
Real & intangible personal, utilities	1,218	\$241,904,060
Tangible personal, business	2,637	\$510,629,450
Tangible personal, other	1,254	\$27,421,260
Special Inventory Tax	21	\$3,516,170
Total exempt property	4,889	\$114,610,267
Totals	47,708	\$2,788,038,265

Organizational Structure

The Moore County Appraisal District was created by the Texas legislature. MCAD appraises property for twelve entities in Moore County, Texas. MCAD is a political subdivision of the State of Texas. The Appraisal District is governed by a six-member Board of Directors, five of which are appointed by the twelve taxing entities in the County and one nonvoting member (Moore County Assessor/Collector) created by the 75th Texas Legislature. The Board appoints the Chief Appraiser who serves at the pleasure of the Board. The Board also approves the budget and sets policies. The Chief Appraiser is the chief administrator of the Appraiser District

and may employ and compensate professional, clerical and other personnel as provided by the budget. The Chief Appraiser may delegate authority to his/her employees.

MCAD currently has five employees divided into three areas, Interim Chief Appraiser & Deputy Chief Appraiser, appraisers, and appraisal support staff.

All appraisers are required to be registered with the Texas Department of Licensing and Regulation (TDLR). The TDLR registration requires that each appraiser must successfully complete a five-year educational program and pass a required number of course hours within a specified time. Additionally, all appraisers must pass review exams at levels three and four of the certification program. After successfully completing the required curriculum, an appraiser is awarded the designation of Registered Professional Appraiser (RPA). There is also a requirement of at least thirty hours of continuing education units every two years in order to recertify the RPA designation. MCAD currently has two RPAs on staff. The MCAD appraisal staff stays abreast of current trends affecting property through review of published materials, attendance at conferences, course work and continuing education.

Each appraiser is assigned a category of property within the boundaries of MCAD. Appraisers are responsible for the discovery, listing and appraisal of all types of property within their assigned area, unless specific types of property have previously been assigned to another appraiser.

Philosophy Statement

The Moore County Appraisal District believes that the most important asset of the District is its people. Every employee is important and deserves to be treated fairly with consideration and respect. MCAD believes in providing good working conditions, a safe, clean and friendly work place to help each employee do his or her job effectively. We also believe that every employee has an obligation to develop his or her talents to the fullest.

The Moore County Appraisal District exists for the purpose of providing services to the property owners and taxing units within our jurisdiction. It is important that we recognize our responsibility to provide quality services on a cost-effective basis. Every property owner should be approached in a respectful, positive and friendly manner. Property owners should be assisted in a timely and courteous fashion. MCAD employees have an obligation as public servants to promote goodwill toward all property owners; not only in manner but also by example.

Because of the nature of our work, not every property owner will be pleased with the outcome of his or her contact with MCAD. What is important is that everyone who comes in contact with our office should have reason to feel that a knowledgeable and qualified person handled his or her matter in a fair and equitable manner.

Assumptions and Limiting Conditions

1. Title to the property is assumed to be good and marketable and the legal description correct.
2. No responsibility for legal matters is assumed. All existing liens, mortgages or other encumbrances have been disregarded and the property is appraised as though free and clear, under responsible ownership and competent management.
3. The appraisers developing these appraisals are not required to give testimony or attendance in court by reason of the appraisals, unless directed by, employed by and provided legal counsel by the Moore County Appraisal District.
4. All properties are appraised in fee simple interest in accordance with Texas Property Tax Code Section 25.06. (Jurisdictional Exception to Standards Rule 6-4 (c) and 6-5 (c) or USPAP).
5. All sketches in the appraisal records are intended to be visual aids with rounded measurements and should not be construed as surveys or engineering reports, etc.
6. Members of the Appraisal District's staff or other reliable sources have obtained all information in the appraisal records.
7. The appraisal staff has inspected, as permitted, by observation, the land and the improvements thereon; however, it is not possible to personally observe conditions beneath the soil or hidden structural components within the improvements. Therefore, no representations are made as to these matters, unless specifically considered in an individual appraisal.
8. All interior inspections are performed at the property owner's request by appointment. All other inspections performed are external and assume the quality; condition and desirability of the interior are approximately equal to that of the exterior, unless otherwise known.
9. Agricultural land is appraised at market value using a market data model based on market sales information. However, it may also be subject to appraisal using an income model specified in Section 23, Sub-chapters C, D and E of the Texas property Tax Code. (Jurisdictional Exception to 6-4 (b) of USPAP).
10. Subsurface rights (oil, gas and other minerals) are not considered in making these appraisals.
11. Due to the lack of zoning the highest and best use for a property is normally considered to be its current use.

The following summary reports are presented to be more specific about the appraisal of various property types within Moore County Appraisal District.

Appraisal Personnel Utilized in Reappraisal Plan

Administration	Debbie Stribling Samantha Venegas	Interim Chief Appraiser Deputy Chief Appraiser
Residential	Samantha Venegas Janie Starkey	Deputy Chief Appraiser Appraiser
Ag / Rural Land	Samantha Venegas	Deputy Chief Appraiser
Commercial	Samantha Venegas	Deputy Chief Appraiser
Personal Property	Pat Hamlin Samantha Wiggans	Appraiser Appraiser
Support	Pat Hamlin Samantha Venegas Janie Starkey Marely Ortiz	Mapping Deed / Exemption Deed / Exemption Exemptions

Certification

I certify that, to the best of my knowledge and belief:

The statements of fact contained in this report are true and correct.

The reported analyses, opinions and conclusions are limited only by the reported assumptions and limiting conditions and are the appraisal staff's personal, unbiased professional analyses, opinions and conclusions.

I have no present or prospective interest in the property that is the subject of this report, save and except the ownership of my personal residence and personal auto and I have no personal interest or bias with respect to the parties involved.

My compensation is not contingent on the reporting of a predetermined value, or direction in value that favors the cause of the client, the amount of the value estimate, the attainment of a stipulated results, or the occurrence of a subsequent event.

My analyses, opinions and conclusions were developed and this report has been prepared in conformity with the Uniform Standards of Professional Appraisal Practice.

Personal inspections are made by the MCAD appraisal staff.

Persons providing significant professional assistance to the person signing this report are listed below:

Debbie Stribling, RPA, Interim Chief Appraiser, MCAD
Samantha Venegas, RPA, Deputy Chief Appraiser, MCAD
Dough Sahli, RPA, Pritchard & Abbott, Inc.

Debbie Stribling, RPA
Interim Chief Appraiser

RESOLUTION

On this the 12th day of August, 2020 at a regular meeting of the Board of Directors of Moore county Appraisal District there came for consideration a Resolution to adopt a biennial re-appraisal plan, including those plans submitted by contractors of the district, for the tax year 2021 and 2022. After conducting a public hearing to consider the plan, a motion was made by, Leona Satterfield, seconded by Joaquin Andujo Jr to authorize the adoption of said plan. Said motion being put to vote, it carried by a vote of 4 to 0

Those voting "Aye" were:

Leona Satterfield
Joaquin Andujo Jr
David Sykes
Deana Houlette

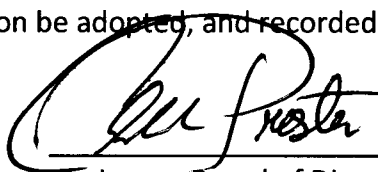
Those voting "No" were:

Present and not voting:

Chris Rivera, Chandler Preston

Those absent were:

It is therefore ordered that said Resolution be adopted, and recorded in the minutes of this Board of Directors.

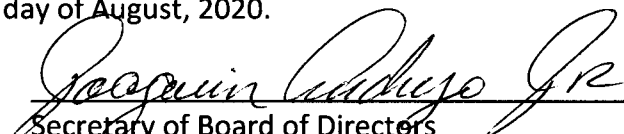


Chairman, Board of Directors
Moore County Appraisal District

**STATE OF TEXAS
COUNTY OF MOORE**

I, the undersigned, Secretary of the Board of Directors of Moore County Appraisal District, do hereby certify that the above and foregoing is a true and correct copy of the certain Resolution of the Board of Directors, of record in the minutes of said Board.

Witness my official hand this 12th day of August, 2020.



Secretary of Board of Directors
Moore County Appraisal District

Appendix: A

Pritchard & Abbott, Inc. 2021 – 2022 Reappraisal Plan



**PRITCHARD & ABBOTT, INC.
VALUATION CONSULTANTS**

S.B. 1652* BIENNIAL REAPPRAISAL PLAN

**FOR THE ANNUAL APPRAISAL FOR
AD VALOREM TAX PURPOSES OF
MINERAL, INDUSTRIAL, UTILITY AND
RELATED PERSONAL PROPERTY**

For Tax Years:

2021 and 2022

Originally Printed: June 29, 2020

*Senate Bill 1652 passed by the Texas Legislature, 79th Regular Session in 2005, amending Section 6.05 of the Texas Property Tax Code, adding Subsection (i) as follows:

"To ensure adherence with generally accepted appraisal practices, the board of directors of an appraisal district shall develop biennially a written plan for the periodic reappraisal of all property within the boundaries of the district according to the requirements of Section 25.18 and shall hold a public hearing to consider the proposed plan. Not later than the 10th day before the date of the hearing, the secretary of the board shall deliver to the presiding officer of the governing body of each taxing unit participating in the district a written notice of the date, time, and place for the hearing. Not later than September 15 of each even-numbered year, the board shall complete its hearings, make any amendments, and by resolution finally approve the plan. Copies of the approved plan shall be distributed to the presiding officer of the governing body of each taxing unit participating in the district and to the comptroller within 60 days of the approval date."



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POLICY STATEMENT OF PRITCHARD & ABBOTT, INC., ON THE UNIFORM STANDARDS OF PROFESSIONAL APPRAISAL PRACTICE

Pritchard & Abbott, Inc., (P&A), a privately held company engaged primarily, but not wholly, in the ad valorem tax valuation industry endorses Uniform Standards of Professional Appraisal Practice (USPAP) as the basis for the production of sound appraisals. Insofar as the statutory requirement to appraise groups (or a “universe”) of real and personal property within an established period of time using standardized procedures—and subjecting the resulting appraisals to statistical measures—is the definition of mass appraisal, P&A subscribes to USPAP Standards 5 and 6 (Mass Appraisal, Development and Reporting) whenever applicable in the development and defense of values. When circumstances clearly dictate the use of single property appraisal procedures, P&A adheres to the spirit and intent of the remaining USPAP Standards within all appropriate, practical, and/or contractual limitations or specifications.

A biennial reappraisal plan is, at its core, a discussion of the CAD’s intended implementation of the Scope of Work Rule in USPAP. This plan provides general information about this rather comprehensive USPAP rule, as well as the specific steps P&A takes in the actual appraisal of various property types per our contractual obligations. This Biennial Reappraisal Plan should not be confused or conflated with an “appraisal manual” or other “how-to” guide which may or may not exist within P&A for any particular property type we appraise.

This reappraisal plan discusses a few other USPAP rules that interact with the Scope of Work Rule, such as the Ethics Rule, the Record Keeping Rule, and Jurisdictional Exception Rule. For further information regarding other sections of USPAP, including the Competency Rule, definitions, and appraisal reports, please reference P&A’s “USPAP report” which accompanies our appraisals and supporting documentation provided to clients per Property Tax Code, Sec. 25.01(c) at the completion of each tax year. ***An appraisal season thus begins with an appraisal plan (approved by the CAD’s Board of Directors) and ends with appraisal reports.*** Providing these reports is definitely part of the plan. Likewise, much of the verbiage in the “USPAP report” is a reiteration of the Biennial Reappraisal Plan.

USPAP defines “appraisal” as the act or process of developing an opinion of value or pertaining to appraising and related functions such as appraisal practice or appraisal services. Valuation services is defined as services pertaining to an aspect of property value, regardless of the type of service and whether it is performed by appraisers or by others. The USPAP definition of “appraiser” is one who is expected to perform valuation services competently and in a manner that is ***independent, impartial, and objective.*** USPAP Advisory Opinion 21: *USPAP Compliance* states that this expectation (by clients and intended users of appraisal reports) is the basis that creates an ethical obligation to comply with USPAP, even if not legally required. Advisory opinions do not establish new standards or interpret existing standards, but instead are issued to illustrate the applicability of appraisal standards in specific situations.

The majority of property types that P&A typically appraises for ad valorem tax purposes are categorized as unique, complex, and/or “special purpose” properties (mineral interests, industrial, utility, and related personal property). These categories of properties do not normally provide sufficient market data of reliable quality and/or quantity to support the rigorous use of all USPAP-prescribed mass appraisal development mandates (Standard 5: Mass Appraisal, Development), particularly with regards to some, but not all, of the *model calibration* and *statistical performance testing* confines. However, P&A does strive to employ all or most elements of mass appraisal techniques with regards to the *definition* and *identification of property characteristics* and *model specification* and application.

Per USPAP Advisory Opinion 32: *Ad Valorem Property Tax Appraisal and Mass Appraisal Assignments*, in the

interests of equity, the scope of work in mass appraisal assignments for ad valorem taxation can include consideration of appraisal level (the overall proximity between appraised values and actual prices) and the uniformity of property values (equity within groups of like properties). The appraiser is responsible for recognizing when the concepts of appraisal level and appraisal uniformity are necessary for credible assignment results in a mass appraisal assignment for ad valorem taxation.

Residential real estate property appraisers most frequently apply mass appraisal methods within the sales comparison (market) approach to value. Through the use of standardized data collection (i.e., actual market sales), specification and calibration of mass appraisal models, tables, and schedules are possible. Through ratio study analysis and other performance measures, a cumulative summary of valuation accuracy can thus be produced in order to calibrate the appraisal model(s). Where sufficient data of reliable quality exists, mass appraisal is also used for other types of real estate property such as farms, vacant lots, and some commercial uses (e.g., apartments, offices, and small retail).

Regarding mass appraisal reports due the client and other intended users per USPAP (Standard 6 (Mass Appraisal, Reporting), a written report of the mass appraisal as described in Standards 6-2 is not provided for each individual property. An individual property record or worksheet may describe the valuation of the specific property after the application of the mass appraisal model. To understand the individual property result developed in a mass appraisal requires the examination of all the information and analysis required by Standards 6-2.

P&A will clearly state or otherwise make known all extraordinary assumptions, hypothetical conditions, limitations imposed by assignment conditions, and/or jurisdictional exceptions in its appraisal reports as they are conveyed to our clients. ***Intended users of our reports are typically the client(s) for which we are under direct contract.*** Although taxpayers or their agents who own and/or represent the subject property being appraised often receive these reports either by law or as a courtesy of the client or P&A, this receipt does not mean these parties automatically become Intended Users as defined by USPAP. ***A party receiving a copy of a report in order to satisfy disclosure requirements does not become an intended user of the appraisal or mass appraisal unless the appraiser specifically identifies such party as an intended user.*** Potential other users include parties involved in adjudication of valuation disputes (review board members, lawyers, judges, etc.), governmental agencies which periodically review our appraisals for various statutory purposes (such as the Texas Comptroller's Office) and private parties who may obtain copies of our appraisals through Open Records Requests made to governmental agencies.

USPAP does not currently address communications of assignment results prior to completion of the assignment, thus such communications have no requirements other than to comply with the general requirements in the ETHICS RULE, the COMPETENCY RULE, and the JURISDICTIONAL EXCEPTION RULE. The client and all intended users should be aware that mass appraisals, as opposed to most "fee" appraisals, are somewhat inherently "limited" versus "complete" and that appraisal reports, unless otherwise contracted for by the client, will most often be of a "restricted" nature whereas explanations of appraisal methods and results are more concise versus lengthy in order to promote brevity, clarity, and transparency to the intended user(s).

Per USPAP, the appropriate reporting option and level of information in a report are dependant on the intended use and the intended users. Although the reporting verbiage in USPAP Standard 6 does not specifically offer or promulgate a "Restricted Appraisal Report" such as in Standard 2 (Real Property Appraisal, Reporting) and Standard 8 (Personal Property Appraisal, Reporting), it should be noted that: a) all mass appraisals and mass appraisal reports deal with real and personal property in some form or fashion; and b) P&A is a private consulting firm, a fact which may necessitate the withholding of certain data and/or appraisal models/techniques which are deemed confidential, privileged and/or proprietary in nature. The use of "limited" appraisals in conjunction with "restricted" reports in no way implies non-compliance with USPAP. ***The substantive content of a report***

determines its compliance.

P&A believes that, with its vast experience and expertise in these areas of appraisal, all concluded values and reports thereof are credible, competent, understandable, uniform and consistent; and most importantly for ad valorem tax purposes, accomplished in a cost-efficient and timely manner.

Per previous ASB comments under Standard 6-2(b) [*scope of work... special limiting conditions*]:

“Although appraisers in ad valorem taxation should not be held accountable for limitations beyond their control, they are required by this specific requirement to identify cost constraints and to take appropriate steps to secure sufficient funding to produce appraisals that comply with these standards. Expenditure levels for assessment administration are a function of a number of factors. Fiscal constraints may impact data completeness and accuracy, valuation methods, and valuation accuracy. Although appraisers should seek adequate funding and disclose the impact of fiscal constraints on the mass appraisal process, they are not responsible for constraints beyond their control.”

In any event, however, it is not P&A’s intent to allow constraints, fiscal or otherwise, to limit the scope of work to such a degree that the mass appraisal results provided to our clients are not credible within the context of the intended use(s) of the appraisal.

PREAMBLE

The purpose of USPAP is to establish requirements and conditions for ethical, thorough, and transparent property valuation services. Valuation services pertain to all aspects of property value and include services performed by appraisers and other professionals including attorneys, accountants, insurance estimators, auctioneers, or brokers. Valuation services include appraisal, appraisal review, and appraisal consulting. The primary intent of these Standards is to promote and maintain a high level of public trust in professional appraisal practice.

It is essential that professional appraisers develop and communicate their analyses, opinions, and conclusions to intended users of their services in a manner that is meaningful and not misleading. The importance of the role of the appraiser places ethical obligations upon those who serve in this capacity. These USPAP Standards reflect the current standards of the appraisal profession.

These Standards are for both appraisers and users of appraisal services. To maintain a high level of professional practice, appraisers observe these Standards. However, these Standards do not in themselves establish which individuals or assignments must comply. The Appraisal Foundation nor its Appraisal Standards Board is not a government entity with the power to make, judge, or enforce law. Compliance with USPAP is only required when either the service or the appraiser is obligated to comply by law or regulation, or by agreement with the client or intended users. When not obligated, individuals may still choose to comply.

USPAP addresses the ethical and performance obligations of appraisers through DEFINITIONS, Rules, Standards, Statements (if any), and Advisory Opinions. USPAP Standards deal with the procedures to be followed in performing an appraisal or appraisal review and the manner in which each is communicated. A brief description of the USPAP Standards are as follows:

- **Standards 1 and 2:** establish requirements for the development and communication of a real property appraisal.
- **Standards 3 and 4:** establishes requirements for the development and communication of an appraisal review.
- **Standards 5 and 6:** establishes requirements for the development and communication of a mass appraisal.
- **Standards 7 and 8:** establish requirements for the development and communication of a personal property appraisal.
- **Standards 9 and 10:** establish requirements for the development and communication of a business or intangible asset appraisal.

Section 23.01(b) [Appraisals Generally] of the Texas Property Tax Code states:

“The market value of property shall be determined by the application of generally accepted appraisal methods and techniques. If the Appraisal District determines the appraised value of a property using mass appraisal standards, the mass appraisal standards must comply with the Uniform Standards of Professional Appraisal Practice....” (underline added for emphasis)

Consequently, USPAP Standards 5 and 6 are assumed to be the applicable standard for ad valorem tax purposes in Texas, if mass appraisal practices are in fact being used to appraise the subject property. USPAP Advisory Opinion 32 suggests several USPAP standards other than Standards 5 or 6 can apply in ad valorem tax work. It appears that an appraiser engaged in ad valorem tax work in Texas is not specifically required by law to follow these USPAP standards if in fact mass appraisal practices have not been used to appraise the subject property. In this case it could be deemed appropriate to invoke the Jurisdictional Exception Rule which is applicable when

there is a contradiction between the requirements of USPAP and the law or regulation of a jurisdiction. Please see the P&A Policy Statement on USPAP as provided elsewhere in this report for a more detailed discussion regarding this matter.

ETHICS RULE

Because of the fiduciary responsibilities inherent in professional appraisal practice, the appraiser must observe the highest standards of professional ethics. This Ethics Rule is divided into three sections:

- Conduct;
- Management;
- Confidentiality.

This Rule emphasizes the personal obligations and responsibilities of the individual appraiser. However, it should be noted that groups and organizations *which are comprised of individual appraisers engaged in appraisal practice* effectively share the same ethical obligations. To the extent the group or organization does not follow USPAP Standards when legally required, individual appraisers should take steps that are appropriate under the circumstances to ensure compliance with USPAP.

Compliance with these Standards is required when either the service or the appraiser is obligated by law or regulation, or by agreement with the client or intended users, to comply. *Compliance is also required when an individual, by choice, represents that he or she is performing the service as an appraiser.*

An appraiser must not misrepresent his or her role when providing valuation services that are outside of appraisal practice.

Honesty, impartiality, and professional competency are required of all appraisers under USPAP Standards. To document recognition and acceptance of his or her USPAP-related responsibilities in communicating an appraisal or appraisal review completed under USPAP, an appraiser is required to certify compliance with these Standards.

CONDUCT

An appraiser must perform assignments with impartiality, objectivity, and independence, and without accommodation of personal interests.

An appraiser:

- must not perform an assignment with bias;
- must not advocate the cause or interest of any party or issue;
- *must not accept an assignment that includes the reporting of predetermined opinions and conclusions;*
- must not misrepresent his or her role when providing valuation services that are outside of appraisal practice;
- must not communicate assignment results with the intent to mislead or to defraud;
- must not use or communicate a report or assignment results known by the appraiser to be misleading or fraudulent;
- must not knowingly permit an employee or other person to communicate a report or assignment results that are misleading or fraudulent report;
- must not use or rely on unsupported conclusions relating to characteristics such as race, color, religion, national origin, gender, marital status, familial status, age, receipt of public assistance income, handicap, or an unsupported conclusion that homogeneity of such characteristics is necessary to maximize value;
- must not engage in criminal conduct;

- must not willfully or knowingly violate the requirements of the RECORD KEEPING RULE; and must not perform an assignment in a grossly negligent manner.

If known prior to accepting an assignment, and/or if discovered at any time during the assignment, an appraiser must disclose to the client, and in each subsequent report certification:

- any current or prospective interest in the subject property or parties involved; and
- any services regarding the subject property performed by the appraiser within the three year period immediately preceding acceptance of the assignment, as an appraiser or in any other capacity.

The appraiser can agree with the client to keep the mere occurrence of a prior appraisal assignment confidential. If an appraiser has agreed with the client not to disclose that he or she has appraised a property, the appraiser must decline all subsequent assignment that fall with the three year period. In assignments in which there is no report, only the initial disclosure to the client is required.

Presumably all parties in ad valorem tax appraisal will be aware of the ongoing yearly nature of the appraisal assignments performed by valuation consulting firms like Pritchard & Abbott, Inc.—i.e., it will not be confidential—so that this particular conduct instruction is more or less a moot point (regarding the three year period discussed) if the prior service is in fact the ad valorem tax appraisals performed in previous tax years.

MANAGEMENT

The payment of a fee, commission, or a thing of value by the appraiser in connection with the procurement of an assignment must be disclosed. This disclosure must appear in the certification and in any transmittal letter in which conclusions of value are stated; however, the disclosure of the amount paid is not required. Intra-company payments to employees of groups or organizations involved in appraisal practice for business development do not require disclosure.

It is unethical for an appraiser to accept compensation for performing an assignment when it is contingent upon the reporting of a ***predetermined result, a direction in assignment results that favors the cause of the client, the amount of a value opinion, the attainment of a stipulated result,*** or the occurrence of a subsequent event directly related to the appraiser's opinions and specific to the assignment's purpose.

Advertising for or ***soliciting assignments in a manner that is false, misleading, or exaggerated*** is unethical. Decisions regarding finder or referral fees, contingent compensation, and advertising may not be the responsibility of an individual appraiser, but for a particular assignment it is the responsibility of the individual appraiser to ascertain that there has been no breach of ethics, that the assignment consulting assignment has been prepared in accordance with USPAP Standards, and that the report can be properly certified when required by USPAP Standards 2-3, 4-3, 6-3, 8-3, or 10-3.

An appraiser must affix, or authorize the use of, his or her signature to certify recognition and acceptance of his or her USPAP responsibilities in an appraisal or appraisal review assignment. An appraiser may authorize the use of his or her signature only on an assignment-by-assignment basis.

In addition, an appraiser must not affix the signature of another appraiser without his or her consent. An appraiser must exercise due care to prevent unauthorized use of his or her signature. However, an appraiser exercising such care is not responsible for unauthorized use of his or her signature.

CONFIDENTIALITY

An appraiser must protect the confidential nature of the appraiser-property owner relationship.

An appraiser must act in good faith with regard to the legitimate interests of the client in the use of confidential information and in the communication of assignment results.

An appraiser must be aware of, and comply with, all confidentiality and privacy laws and regulations applicable in an assignment.

An appraiser must not disclose confidential factual data obtained from a property owner to anyone other than:

1. The client;
2. Parties specifically authorized by the client;
3. State appraiser regulatory agencies;
4. Third parties as may be authorized by due process of law; or
5. A duly authorized professional peer review committee except when such disclosure to a committee would violate applicable law or regulation.

An appraiser must take reasonable steps to safeguard access to confidential information and assignment results by unauthorized individuals, whether such information or results are in physical or electronic form. In addition, an appraiser must ensure that employees, coworkers, subcontractors, or others who may have access to confidential information or assignments results, are aware of the prohibitions on disclosure of such information or results.

It is unethical for a member of a duly authorized professional peer review committee to disclose confidential information presented to the committee.

When all confidential elements of confidential information are removed through redaction or the process of aggregation, client authorization is not required for the disclosure of the remaining information, as modified.

RECORD KEEPING RULE

An appraiser must prepare a workfile for each appraisal or appraisal review assignment. A workfile must be in existence prior to the issuance of any report or other communication of assignment results. A written summary of an oral report must be added to the workfile within a reasonable time after the issuance of the oral report.

The workfile must include the name of the client and the identity, by name or type, of any other intended users, and true copies of all written reports, documented on any type of media. (A true copy is a replica of the report transmitted to the client. A photocopy or an electronic copy of the entire report transmitted to the client satisfies the requirement of a true copy.) A workfile must contain summaries of all oral reports or testimony, or a transcript of testimony, including the appraiser's signed and dated certification; and all other data, information, and documentation necessary to support the appraiser's opinions and conclusions and to show compliance with USPAP, or references to the location(s) of such other data, information, and documentation.

A workfile in support of a Restricted Appraisal Report or an oral appraisal report must be sufficient for the appraiser to produce an Appraisal Report. A workfile in support of an oral appraisal review report must be sufficient for the appraiser to produce an Appraisal Review Report.

An appraiser must retain the workfile for a period of at least *five years after preparation* or at least two years after final disposition of any judicial proceeding in which the appraiser provided testimony related to the assignment, whichever period expires last.

An appraiser must have custody of the workfile, or make appropriate workfile retention, access, and retrieval arrangements with the party having custody of the workfile. This includes ensuring that a workfile is stored in a medium that is retrievable by the appraiser throughout the prescribed record retention period. An appraiser having custody of a workfile must allow other appraisers with workfile obligations related to an assignment appropriate access and retrieval for the purpose of:

- submission to state appraiser regulatory agencies;
- compliance with due process of law;
- submission to a duly authorized professional peer review committee; or
- compliance with retrieval arrangements.

A workfile must be made available by the appraiser when required by a state appraiser regulatory agency or due process of law.

An appraiser who willfully or knowingly fails to comply with the obligations of this Record Keeping Rule is in violation of the Ethics Rule.

SCOPE OF WORK RULE

For each appraisal or appraisal review assignment, an appraiser must:

1. Identify the problem to be solved;
2. Determine and perform the scope of work necessary to develop credible assignment results; and
3. Disclose the scope of work in the report.

An appraiser must properly identify the problem to be solved in order to determine the appropriate scope of work. The appraiser must be prepared to demonstrate that the scope of work is sufficient to produce credible assignment results.

Scope of work includes, but is not limited to:

- the extent to which the property is identified;
- the extent to which tangible property is inspected;
- the type and extent of data researched; and
- the type and extent of analyses applied to arrive at opinions or conclusions.

Appraisers have broad flexibility and significant responsibility in determining the appropriate scope of work for an appraisal or appraisal review assignment. Credible assignment results require support by relevant evidence and logic. *The credibility of assignment results is always measured in the context of the intended use.*

PROBLEM IDENTIFICATION

An appraiser must gather and analyze information about those assignment elements that are necessary to properly identify the appraisal, appraisal review or appraisal consulting problem to be solved. The assignment elements necessary for problem identification are addressed in the Standard 6-2:

- client and any other intended users;
- intended use of the appraiser's opinions and conclusions;
- type and definition of value;
- effective date of the appraiser's opinions and conclusions;
- subject of the assignment and its relevant characteristics; and
- assignment conditions.

This information provides the appraiser with the basis for determining the type and extent of research and analyses to include in the development of an appraisal. Similar information is necessary for problem identification in appraisal review and appraisal consulting assignments. Assignment conditions include:

- assumptions;
- extraordinary assumptions;
- hypothetical conditions;
- laws and regulations;
- jurisdictional exceptions; and
- other conditions that affect the scope of work.

SCOPE OF WORK ACCEPTABILITY

The scope of work must include the research and analyses that are necessary to develop credible assignment results. The scope of work is acceptable when it meets or exceeds:

- the expectations of parties who are regularly intended users for similar assignments; and
- what an appraiser's peers' actions would be in performing the same or a similar assignment.

Determining the scope of work is an ongoing process in an assignment. Information or conditions discovered during the course of an assignment might cause the appraiser to reconsider the scope of work. An appraiser must be prepared to support the decision to exclude any investigation, information, method, or technique that would appear relevant to the client, another intended user, or the appraiser's peers.

An appraiser must not allow assignment conditions to limit the scope of work to such a degree that the assignment results are not credible in the context of the intended use. In addition, the appraiser must not allow the intended use of an assignment or a client's objectives to cause the assignment results to be biased.

DISCLOSURE OBLIGATIONS

The report must contain sufficient information to allow intended the client and other intended users to understand the scope of work performed. Proper disclosure is required because clients and other intended users may rely on the assignment results. Sufficient information includes disclosure of research and analyses performed or not performed. ***The information disclosed must be appropriate for the intended use of the assignment results.***

Sufficient information includes disclosure of research and analyses performed and might also include disclosure of research and analyses not performed. ***The appraiser has broad flexibility and significant responsibility in the level of detail and manner of disclosing the scope of work in the appraisal report or appraisal review report.*** The appraiser may, but is not required to, consolidate the disclosure in a specific section or sections of the report, or use a particular label, heading or subheading. An appraiser may choose to disclose the scope of work as necessary throughout the report.

JURISDICTIONAL EXCEPTION RULE

If any applicable law or regulation precludes compliance with any part of USPAP, only that part of USPAP becomes void for that assignment. When compliance with USPAP is required by federal law or regulation, no part of USPAP can be voided by a law or regulation of a state or local jurisdiction. ***When an appraiser properly follows this Rule in disregarding a part of USPAP, there is no violation of USPAP.***

In an assignment involving a jurisdictional exception, an appraiser must:

- identify the law or regulation that precludes compliance with USPAP;
- comply with that law or regulation;
- clearly and conspicuously disclose in the report the part of USPAP that is voided by that law or regulation; and
- cite in the report the law or regulation requiring this exception to USPAP compliance.

The purpose of the Jurisdictional Exception Rule is strictly limited to providing a saving or severability clause intended to preserve the balance of USPAP if one or more of its parts are determined as contrary to law or public policy of a jurisdiction. By logical extension, there can be no violation of USPAP by an appraiser who disregards, with proper disclosure, only the part or parts of USPAP that are void and of no force and effect in a particular assignment by operation of legal authority.

It is misleading for an appraiser to disregard a part or parts of USPAP as void and of no force and effect in a particular assignment without identifying the part or parts disregarded and the legal authority justifying this action in the appraiser's report.

“Law” includes constitutions, legislative and court-made law, and administrative rules (such as from the Office of the Texas Comptroller of Public Accounts) and ordinances. “Regulations” include rules or orders having legal force, issued by an administrative agency. ***Instructions from a client or attorney do not establish a jurisdictional exception.***

A jurisdictional exception prevalent in Texas is that appraisers are seeking to establish “fair market value” as defined by the Texas Property Tax Code instead of “market value” as found in the USPAP definitions section.

USPAP STANDARDS 5 AND 6: MASS APPRAISAL, DEVELOPMENT AND REPORTING (General Discussion)

In developing a mass appraisal, an appraiser must be aware of, understand, and correctly employ those recognized methods and techniques necessary to produce and communicate credible mass appraisals.

Standards 5 and 6 apply to all mass appraisals of real and personal property regardless of the purpose or use of such appraisals. It is directed toward the substantive aspects of developing and communicating competent analyses, opinions, and conclusions in the mass appraisal of properties, whether real property or personal property. Standard 5 is directed toward the substantive aspects of developing credible analyses, opinions, and conclusions in the mass appraisal of properties, while Standard 6 addresses the content and level of information required in a report that communicates the results of a mass appraisal. The reporting and jurisdictional exceptions applicable to public mass appraisals prepared for purposes of ad valorem taxation do not apply to mass appraisals prepared for other purposes.

A mass appraisal includes:

- identifying properties to be appraised;
- defining market areas of consistent behavior that applies to properties;
- identifying characteristics (supply and demand) that affect the creation of value in that market area;
- developing (specifying) a model structure that reflects the relationship among the characteristics affecting value in the market area;
- calibrating the model structure to determine the contribution of the individual characteristics affecting value;
- applying the conclusions reflected in the model to the characteristics of the properties being appraised; and
- reviewing the mass appraisal results.

The Jurisdictional Exception Rule may apply to several sections of Standards 5 and 6 because ad valorem tax administration is subject to various state, county, and municipal laws.

As previously stated in the P&A Policy Statement (page 2), it may not be possible or practicable for all the mass appraisal attributes listed above to be rigorously applied to the many types of complex and/or unique properties that P&A typically appraises. Often there are contractual limitations on the scope of work needed or required. More prevalently, these types of properties do not normally provide a reliable database of market transactions (or details of transactions) necessary for statistically supportable calibration of appraisal models and review of appraisal results. Generally these two functions are effectively accomplished through annual extended review meetings with taxpayers (and clients) who provide data, sometimes confidentially, that allows for appraisal models to be adjusted where necessary. Nevertheless, and notwithstanding whether P&A implicitly or explicitly employs or reports all attributes listed above, in all cases P&A at the minimum employs tenants of “generally accepted appraisal methods” which are the genesis of USPAP Standards.

Per USPAP guidelines, P&A will make known all departures and jurisdictional exceptions when invoked (if an appraisal method or specific requirement is applicable but not necessary to attain credible results in a particular assignment).

The various sections of Standard 5 (development of mass appraisal) and Standard 6 (communication of the mass appraisal results) are briefly summarized below:

- **Standard 5-1:** Establishes the appraiser's technical and ethical framework. Specifically, appraisers must recognize and use established principles, methods and techniques of appraisal in a careful manner while not committing substantial errors of fact or negligence that would materially affect the appraisal results and not give a credible estimate of fair market value. To this end appraisers must continuously improve his or her skills to maintain proficiency and keep abreast of any new developments in the real and personal property appraisal profession. This Standards does not imply that competence requires perfection, as perfection is impossible to attain. Instead, it requires appraisers to employ every reasonable effort with regards to due diligence and due care.
- **Standard 5-2:** Defines the introductory framework requirements of developing a mass appraisal, focusing on the identification and/or definition of: client(s), intended users, effective date, appraisal perspective, scope of work, extraordinary assumptions, hypothetical conditions, the type and definition of value being developed (typically "fair market value" for ad valorem tax purposes), characteristics of the property being appraised in relation to the type and definition of value and intended use, the characteristics of the property's market, the property's real or personal attributes, fractional interest applicability, highest and best use analysis along with other land-related considerations, and any other economic considerations relevant to the property.
- **Standard 5-3:** Defines requirements for developing and specifying appropriate mass appraisal data and elements applicable for real and personal property. For real property, the data and elements include: existing land use regulations, reasonably probable modification of such regulations, economic supply and demand, the physical adaptability of the real estate, neighborhood trends, and highest and best use analysis. For personal property, the relevant data and elements include: identification of industry trends, trade level, highest and best use, and recognition of the appropriate market consistent with the type and definition of value.
- **Standard 5-4:** Further defines requirements for developing mass appraisal models, focusing on development of standardized data collection forms, procedures, and training materials that are used uniformly on the universe of properties under consideration. This rule specifies that appraisers employ recognized techniques for specifying and calibrating mass appraisal models. Model specification is the formal development of a model in a statement or mathematical equation, including all due considerations for physical, functional, and external market factors as they may affect the appraisal. These models must accurately represent the relationship between property value and supply and demand factors, as represented by quantitative and qualitative property characteristics. Models must be calibrated using recognized techniques, including, but not limited to, multiple linear regression, nonlinear regression, and adaptive estimation. Models may be specified incorporating the income, market, and/or cost approaches to value and may be tabular, mathematical, linear, nonlinear, or any other structure suitable for representing the observable property characteristics such as adaptive estimation. Model calibration refers to the process of analyzing sets of property and market data to determine the specific parameters of a model.
- **Standard 5-5:** Defines requirements for collection of sufficient factual data, in both qualitative and quantitative terms, necessary to produce credible appraisal results. The property characteristics collected must be contemporaneous with the effective date of the appraisal. The data collection program should incorporate a quality control procedure, including checks and audits of the data to ensure current and consistent records. This rule also calls for calls for an appraiser, in developing income and expense statements and cashflow projections, to weigh historical information and trends, current market factors affecting such trends, and reasonably anticipated events, such as competition from developments either planned or under construction. Terms and conditions of any leases should be analyzed, as well as the need for and extent of any physical inspection of the properties being appraised.

- **Standard 5-6:** Defines requirements for application of a calibrated model to the property being appraised. This rule calls for: the appraiser to recognize methods or techniques based on the cost, market, and income approaches for improved parcels; the appraiser to value sites by recognized methods or techniques such as allocation method, abstraction method, capitalization of ground rent, and land residual; the appraiser to develop value of leased fee or leasehold estates with consideration for terms and conditions of existing leases, and, when applicable by law, as if held in fee simple whereas market rents are substituted for actual contract rents; the appraiser to analyze the effect on value, if any, of the assemblage of the various parcels, divided interests, or component parts of a property; the appraiser to analyze anticipated public or private improvements located on or off the site, and analyze the effect on value, if any, of such anticipated improvements to the extent they are reflected in market actions.
- **Standard 5-7:** Defines the reconciliation process of a mass appraisal. Specifically, appraisers must analyze the results and/or applicability of the various approaches used while ensuring that, on an overall basis, standards of reasonableness and accuracy are maintained with the appraisal model selected (underline added for emphasis). It is implicit in mass appraisal that, even when properly specified and calibrated models are used, some individual value conclusions will not meet standards of reasonableness, consistency, and accuracy. Appraisers have a professional responsibility to ensure that, on an overall basis, models produce value conclusions that meet attainable standards of accuracy.
- **Standard 6-1:** Defines general requirements of a mass appraisal written report by addressing the level of information required that will allow the report to be non-misleading, clearly understood, and sufficiently qualified with any assumptions and conditions (elements of which are further detailed in the next three sections of this report that discuss P&A appraisal procedures with regards to specific categories of property).
- **Standard 6-2:** Defines specific content required to be included in a mass appraisal written report.
- **Standard 6-3:** Defines the certification of the mass appraisal written report.

The following sections of this report discuss in more detail the various elements of the development of P&A's mass appraisals and associated written reports as required by USPAP Standards 5 and 6, with regards to P&A appraisal of Mineral Interests, Industrial, Utility, Related Personal Property, and Real Estate.

USPAP STANDARDS 5, 6-1, 6-2: MASS APPRAISAL OF MINERAL INTERESTS

INTRODUCTION

Definition of Appraisal Responsibility (Scope of Effort): The Mineral Valuation Department of Pritchard & Abbott, Inc. ("P&A" hereinafter), is responsible for developing credible values for mineral interests (full or fractional percentage ownership of oil and gas leasehold interest, the amount and type of which are legally and/or contractually created and specified through deeds and leases, et.al.) associated with producing (or capable of producing) leases. Mineral interests are typically considered real property because of their derivation from the bundle of rights associated with original fee simple ownership of land. Typically all the mineral interests that apply to a single producing lease are consolidated by type (working vs. royalty) with each type then appraised for full value which is then distributed to the various fractional decimal interest owners prorata to their individual type and percentage amount.

P&A's typical client is a governmental entity charged with appraisal responsibility for ad valorem tax purposes, although other types of clients (private businesses, individuals, etc.) occasionally contract for appraisal services which are strictly for various non-ad valorem tax purposes so that no conflicts of interest are created with P&A's core ad valorem tax work.

P&A hereby makes the assumption that, in all appraisal assignments performed for governmental entities in satisfaction of contractual obligations related to ad valorem tax, the client does not wish to or cannot legally request the appraisal report not identify the client.

Intended users of our reports are typically the client(s) for which we are under direct contract. Although taxpayers or their agents who own and/or represent the subject property being appraised often receive these reports either by law or as a courtesy of the client or P&A, this receipt does not mean these parties automatically become Intended Users as defined by USPAP. **A party receiving a copy of a report in order to satisfy disclosure requirements does not become an intended user of the appraisal or mass appraisal unless the appraiser specifically identifies such party as an intended user.** Potential other users include parties involved in adjudication of valuation disputes (review board members, lawyers, judges, etc.), governmental agencies which periodically review our appraisals for various statutory purposes (such as the Texas Comptroller's Office) and private parties who may obtain copies of our appraisals through Open Records Requests made to governmental agencies.

This section of P&A's USPAP report is not applicable to any mineral or mineral interest property that an appraisal district appraises outside of P&A's appraisal services, in which case the appraisal district's overall USPAP report should be referenced.

P&A makes the **Extraordinary Assumption** that all properties appraised for ad valorem tax purposes are marketable whereas ownership and title to property are free of encumbrances and other restrictions that would affect fair market value to an extent not obvious to the general marketplace. If and/or when we are made aware of any encumbrances, etc., these would be taken into account in our appraisal in which case the extraordinary assumption stated above would be revoked.

P&A is typically under contract to determine current market value or "fair market value" of said mineral interests. Fair market value is typically described as the price at which a property would sell for if:

- exposed in the open market with a reasonable time for the seller to find a purchaser;

- both the buyer and seller know of all the uses and purposes to which the property is, or can be, adapted and of the enforceable restrictions on its use; and
- both the buyer and seller seek to maximize their gains and neither is in a position to take advantage of the exigencies of the other. [Exigencies are pressing or urgent conditions that leave one party at a disadvantage to the other.]

For ad valorem tax purposes the effective date is usually legislatively specified by the particular State in which we are working - for example, in Texas the lien date is January 1 per the Texas Property Tax Code. For ad valorem tax purposes, the date of the appraisals and reports are typically several months past the effective date, thereby leaving open the possibility that a retrospective approach is appropriate under limited and prescribed circumstances (information after the effective date being applicable only if it confirms a trend or other appraisal condition that existed and was generally known as of the effective date).

P&A believes this section of this report, in conjunction with any attached or separately provided P&A-generated report(s), meets the USPAP definition of “typical practice”; i.e., it satisfies a level of work that is consistent with:

- the expectations of participants in the market for the same or similar appraisal services; and
- what P&A’s peers’ actions would be in performing the same or similar appraisal services in compliance with USPAP.

Legal and Statutory Requirements: In Texas, the provisions of the Texas Property Tax Code and other relevant legislative measures involving appraisal administration and procedures control the work of P&A as an extension of the Appraisal District. Other states in which P&A is employed will have similar controlling legislation, regulatory agencies, and governmental entities. P&A is responsible for appraising property on the basis of its fair market value as of the stated effective date (January 1 in Texas) for ad valorem tax purposes for each taxing unit that imposes ad valorem taxes on property in the contracted Appraisal District. All mineral properties (interests) are reappraised annually. The definition of Fair Market Value is provided and promulgated for use in ad valorem tax work in Texas by the Texas Property Tax Code, and therefore as a **Jurisdictional Exception** supercedes the definition of “market value” as found in USPAP definitions.

NOTE: IN TEXAS, P&A BELIEVES THE PROPERTY BEING APPRAISED AND PLACED ON THE TAX ROLL IS THE INTEREST AND NOT THE OIL OR GAS MINERAL ITSELF, PER PROPERTY TAX CODE SECTION 1.04(2)(F). WHILE OIL AND GAS RESERVES CERTAINLY HAVE VALUE, THE FACT IS THAT IT IS THE INTERESTS IN THESE MINERALS THAT ARE BOUGHT AND SOLD, NOT THE MINERALS THEMSELVES. THE SALE OF MINERALS AS THEY ARE EXTRACTED FROM THE SUBSURFACE OF THE LAND WHERE THEY RESIDE AS MINERALS IN PLACE “MONETIZES” THE INTEREST AND THUS GIVES THE INTEREST ITS VALUE. WHENEVER P&A REFERS TO “MINERAL PROPERTIES” IN THIS REPORT OR IN ANY OTHER SETTING, IT IS THE MINERAL INTEREST, AND NOT THE MINERAL ITSELF, THAT IS THE SUBJECT OF THE REFERENCE.

Administrative Requirements: P&A endorses the principals of the International Association of Assessing Officers (IAAO) regarding its appraisal practices and procedures. P&A also endorses, and follows when possible, the standards promulgated by the Appraisal Foundation known as the Uniform Standards of Professional Appraisal Practice (USPAP). In all cases where IAAO and/or USPAP requirements cannot be satisfied for reasons of practicality or irrelevancy, P&A subscribes to “generally accepted appraisal methods and techniques” so that its value conclusions are credible and defensible. P&A submits annual or biannual contract bids to the Appraisal District Board of Directors or the Office of the Chief Appraiser and is bound to produce appraisal estimates on mineral properties within the cost constraints of said bid. Any appraisal practices and procedures followed by P&A not explicitly defined or allowed through IAAO or USPAP requirements are specified by the Texas Property Tax Code or at the specific request or direction of the Office of the Chief Appraiser.

Appraisal Resources

Personnel: The Mineral Valuation Division staff consists of competent Petroleum Engineers, Geologists, and Appraisers. All personnel are Registered Professional Appraisers with the State of Texas, or are progressing towards this designation within the allowable time frames prescribed by the Texas Department of Licensing and Regulation (TDLR) and/or other licensing and regulatory agencies as applicable.

Data: For each mineral property a common set of data characteristics (i.e. historical production, price and expense data) is collected from various sources and entered into P&A's mainframe computer system. Historical production data and price data is available through state agencies (Texas Railroad Commission, Texas Comptroller, et al.) or private firms who gather, format and repackage such data for sale commercially. Each property's characteristic data drives the computer-assisted mass appraisal approach to valuation.

Information Systems: The mainframe systems are augmented by the databases that serve the various in-house and 3rd-party applications on desktop personal computers. In addition, communication and dissemination of appraisals and other information is available to the taxpayer and client through electronic means including internet and other phone-line connectivity. The appraiser supervising any given contract fields many of the public's questions or redirects them to the proper department personnel.

VALUATION APPROACH (MODEL SPECIFICATION)

Concepts of Value: The valuation of oil and gas properties is not an exact science, and exact accuracy is not attainable due to many factors. Nevertheless, standards of reasonable performance do exist, and there are usually reliable means of measuring and applying these standards.

Petroleum properties are subject to depletion, and capital investment must be returned before economic exhaustion of the resource (mineral reserves). The examination of petroleum properties involves understanding the geology of the resource (producing and non-producing), type of reservoir energy, the methods of secondary and enhanced recovery (if applicable), and the surface treatment and marketability of the produced petroleum product(s).

Evaluation of mineral properties is a continuous process; the value as of the lien date merely represents a "snapshot" in time. The potential value of mineral interests derived from sale of minerals to be extracted from the ground change with mineral price fluctuation in the open market, changes in extraction technology, costs of extraction, and other variables such as the value of money.

Approaches to Value for Petroleum Property

Cost Approach: The use of cost data in an appraisal for market value is based upon the economic principle of substitution. The cost approach typically derives value by a model that begins with replacement cost new (RCN) and then applies depreciation in all its forms (physical depreciation, functional and economic obsolescence). This method is difficult to apply to oil and gas properties since lease acquisition and development may bear no relation to present worth. Though very useful in the appraisal of many other types of properties, the cost approach is not readily applicable to mineral properties. [Keep in mind that the property actually being appraised is the mineral interest and not the oil and gas reserves themselves. Trying to apply the cost approach to evaluation of mineral interests is like trying to apply the cost approach to land; it is a moot point because both are real properties that are inherently non-replaceable.] **As a general rule, and for the reasons stated above, Pritchard & Abbott, Inc., does not employ the cost approach in the appraisal of mineral interests.**

Market Approach: This approach may be defined as one which uses data available from actual transactions recorded in the market place itself; i.e., sales of comparable properties from which a comparison to the subject property can be made. Ideally, this approach's main advantage involves not only an opinion but an opinion supported by the actual spending of money. Although at first glance this approach seems to more closely incorporate the aspects of fair market value per its classical definition, there are two factors that severely limit the usefulness of the market approach for appraising oil and gas properties. First, oil and gas property sales data is seldom disclosed (in non-disclosure states such as Texas); consequently there is usually a severe lack of market data sufficient for meaningful statistical analysis. Second, all conditions of each sale must be known and carefully investigated to be sure one does have a comparative indicator of value per fair market value prerequisites.

Many times when these properties do change hands, it is generally through company mergers and acquisitions where other assets in addition to oil and gas reserves are involved; this further complicates the analysis whereby a total purchase price must be allocated to the individual components - a speculative and somewhat arbitrary task at best. In the case of oil and gas properties, a scarcity of sales requires that every evidence of market data be investigated and analyzed. Factors relative to the sale of oil and gas properties are:

- current production and estimated declines forecast by the buyer;
- estimated probable and potential reserves;
- general lease and legal information which defines privileges or limitation of the equity sold;
- undeveloped potential such as secondary recovery prospects;
- proximity to other production already operated by the purchaser;
- contingencies and other cash equivalents; and
- other factors such as size of property, gravity of oil, etc.

In the event that all these factors are available for analysis, the consensus effort would be tantamount to performing an income approach to value (or trying to duplicate the buyer's income approach to value), thereby making the market approach somewhat moot in its applicability. **As a general rule, and for the reasons stated above, Pritchard & Abbott, Inc., rarely employs a rigorous application of the market approach in the appraisal of mineral interests.**

Income Approach: This approach to value most readily yields itself to the appraisal of mineral interests. Data is readily available whereby a model can be created that reasonably estimates a future income stream to the property. This future income may then be converted (discounted) into an estimate of current value. Many refer to this as a capitalization method, because capitalization is the process of converting an income stream into a capital sum (value). As with any method, the final value is no better than the reliability of the input data. The underlying assumption is that people purchase the property for the future income the property will yield. If the land or improvements are of any residual value after the cessation of oil and gas production, that value should also be included (if those components are also being appraised).

The relevant income that should be used is the expected future net income. Assumptions of this method are:

- Past income and expenses are not a consideration, except insofar as they may be a guide to estimating future net income.
- That the producing life as well as the reserves (quantity of the minerals) are estimated for the property.
- Future income is less valuable than current income, and so future net income must be discounted to make it equivalent to the present income. This discount factor reflects the premium of present money over future money, i.e., interest rate, liquidity, investment management, and risk.

As a general rule, and for the reasons stated above, Pritchard & Abbott, Inc., relies predominantly on the income approach to value in the appraisal of mineral interests.

DATA COLLECTION/VALIDATION

Sources of Data: The main source of P&A's property data is data from the Railroad Commission of Texas as reported by operators. As a monthly activity, the data processing department receives data tapes or electronic files which have updated and new well and production data. Other discovery tools are fieldwork by appraisers, financial data from operators, information from chief appraisers, tax assessors, trade publications and city and local newspapers. Other members of the public often provide P&A information regarding new wells and other useful facts related to property valuation.

Another crucial set of data to obtain is the ownership of these mineral interests. Typically a mineral lease is fractionated and executed with several if not many owners. This information is typically requested (under a promise of confidentiality concerning owners' personal information) from pipeline purchasers and/or other entities (such as operators) who have the responsibility of disbursing the income to the mineral interest owners. Another source of ownership information is through the taxpayers themselves who file deeds of ownership transfer and/or correspond with P&A or the appraisal district directly.

Data Collection Procedures: Electronic and field data collection requires organization, planning and supervision of the appraisal staff. Data collection procedures for mineral properties are generally accomplished globally by the company; i.e., production and price data for the entire state is downloaded at one time into the computer system. Appraisers also individually gather and record specific and particular information to the appraisal file records, which serves as the basis for the valuation of mineral properties. P&A is divided into four district offices covering different geographic areas. Each office has a district manager, appraisal and ownership maintenance staff, and clerical staff as appropriate. While overall standards of performance are established and upheld for the various district offices, quality of data is emphasized as the goal and responsibility of each appraiser.

VALUATION ANALYSIS (MODEL CALIBRATION)

Appropriate revisions and/or enhancements of schedules or discounted cash flow software are annually made and then tested prior to the appraisals being performed. Calibration typically involves performing multiple discounted cash flow tests for leases with varying parameter input to check the correlation and relationship of such indicators as: Dollars of Value Per Barrel of Reserves; Dollars of Value Per Daily Average Barrel Produced; Dollars of Expense Per Daily Average Barrel Produced; Years Payout of Purchase Price (Fair Market Value). In a more classical calibration procedure, the validity of values by P&A's income approach to value is tested against actual market transactions, if and when these transactions and verifiable details of these transactions are disclosed to P&A. Of course these transactions must be analyzed for meeting all requisites of fair market value definition. Any conclusions of this analysis are then compared to industry benchmarks for reasonableness before being incorporated into the calibration procedure.

INDIVIDUAL VALUE REVIEW PROCEDURES

Individual property values are reviewed several times in the appraisal process. P&A's discounted cashflow software dynamically generates various benchmark indicators that the appraiser reviews concurrent with the value being generated. These benchmarks often prompt the appraiser to reevaluate some or all of the parameters of data

entry so as to arrive at a value more indicative of industry standards. Examples of indicators are dollars of value per barrel of oil reserve, years payout, etc. In addition to appraiser review, taxpayers are afforded the opportunity to review the appraised values, either before or after Notices of Appraised Value are prepared. Operators routinely meet with P&A's appraisers to review parameters and to provide data not readily available to P&A through public or commercial sources, such as individual lease operating expense and reserve figures. And of course, all property values are subject to review through normal protest and Appraisal Review Board procedures, with P&A acting as an extension of the Office of the Chief Appraiser.

PERFORMANCE TESTS

An independent test of the appraisal performance of properties appraised by P&A is conducted by the State of Texas Comptroller's Office through the annual Property Value Study for school funding purposes. This study determines the degree of uniformity and the median level of appraisal for mineral properties. School jurisdictions are given an opportunity to appeal any preliminary findings. After the appeal process is resolved, the Comptroller publishes a report of the findings of the study, including in the report the median level of appraisal, the coefficient of dispersion around the median level of appraisal and any other standard statistical measures that the Comptroller considers appropriate.

USPAP STANDARDS 5, 6-1, 6-2: MASS APPRAISAL OF INDUSTRIAL, UTILITY AND RELATED PERSONAL PROPERTY

INTRODUCTION

Definition of Appraisal Responsibility: The Engineering Services Department of Pritchard & Abbott, Inc. (P&A) is responsible for developing fair and uniform market values for industrial, utility and personal properties.

P&A's typical client is a governmental entity charged with appraisal responsibility for ad valorem tax purposes, although other types of clients (private businesses, individuals, etc.) occasionally contract for appraisal services which are strictly for various non-ad valorem tax purposes so that no conflicts of interest are created with P&A's core ad valorem tax work.

P&A hereby makes the assumption that, in all appraisal assignments performed for governmental entities in satisfaction of contractual obligations related to ad valorem tax, the client does not wish to or cannot legally request the appraisal report not identify the client.

Intended users of our reports are typically the client(s) for which we are under direct contract. Although taxpayers or their agents who own and/or represent the subject property being appraised often receive these reports either by law or as a courtesy of the client or P&A, this receipt does not mean these parties automatically become Intended Users as defined by USPAP. **A party receiving a copy of a report in order to satisfy disclosure requirements does not become an intended user of the appraisal or mass appraisal unless the appraiser specifically identifies such party as an intended user.** Potential other users include parties involved in adjudication of valuation disputes (review board members, lawyers, judges, etc.), governmental agencies which periodically review our appraisals for various statutory purposes (such as the Texas Comptroller's Office) and private parties who may obtain copies of our appraisals through Open Records Requests made to governmental agencies.

P&A believes this section of this report, in conjunction with any attached or separately provided P&A-generated report(s), meets the USPAP definition of "typical practice"; i.e., it satisfies a level of work that is consistent with:

- the expectations of participants in the market for the same or similar appraisal services; and
- what P&A's peers' actions would be in performing the same or similar appraisal services in compliance with USPAP.

This section of P&A's USPAP report is not applicable to any Industrial, Utility, or related Personal Property that an appraisal district appraises outside of P&A's appraisal services, in which case the appraisal district's overall USPAP report should be referenced.

P&A makes the **Extraordinary Assumption** that all properties appraised for ad valorem tax purposes are marketable whereas ownership and title to property are free of encumbrances and other restrictions that would affect fair market value to an extent not obvious to the general marketplace. If and/or when we are made aware of any encumbrances, etc., these would be taken into account in our appraisal in which case the extraordinary assumption stated above would be revoked.

Legal and Statutory Requirements: The provisions of the Texas Property Tax Code and relevant legislative measures involving appraisal administration and procedures control the work of P&A as a subcontractor to the

Appraisal District. P&A is responsible for appraising property on the basis of its market value as of January 1 for ad valorem tax purposes for each taxing unit that imposes ad valorem taxes on property in the contracted Appraisal District. All industrial, utility and personal properties are reappraised annually. The definition of Fair Market Value is provided and promulgated for use in ad valorem tax work in Texas by the Texas Property Tax Code, and therefore as a **Jurisdictional Exception** supercedes the definition of "market value" as found in USPAP definitions.

Administrative Requirements: P&A follows generally accepted and/or recognized appraisal practices and when applicable, the standards of the International Association of Assessing Officers (IAAO) regarding its appraisal practices and procedures. P&A, when applicable, also subscribes to the standards promulgated by the Appraisal Foundation known as the Uniform Standards of Professional Appraisal Practice (USPAP). P&A submits annual or biannual contract bids to the Office of the Chief Appraiser and is bound to produce appraisal estimates on industrial, utility and personal properties within the cost constraints of said bid. Any appraisal practices and procedures followed by P&A not explicitly defined through IAAO or USPAP requirements are specified by the Texas Property Tax Code and/or at the specific request or direction of the Office of the Chief Appraiser.

Appraisal Resources

Personnel: The Engineering Services Department and P&A's appraisal staff consists of appraisers with degrees in engineering, business and accounting. All personnel are Registered Professional Appraisers with the State of Texas, or are progressing towards this designation as prescribed by the Texas Department of Licensing and Regulation (TDLR).

Data: A set of data characteristics (i.e. original cost, year of acquisition, quantities, capacities, net operating income, property description, etc.) for each industrial, utility and personal property is collected from various sources. This data is maintained in either hard copy or computer files. Each property's characteristic data drives the appropriate computer-assisted appraisal approach to valuation.

Information Systems: P&A's mainframe computer system is composed of in-house custom software augmented by schedules and databases that reside as various applications on personal computers (PC). P&A offers a variety of systems for providing property owners and public entities with information services.

VALUATION APPROACH (MODEL SPECIFICATION)

Concepts of Value: The valuation of industrial, utility and personal properties is not an exact science, and exact accuracy is not attainable due to many factors. These are considered complex properties and some are considered Special Purpose properties. Nevertheless, standards of reasonable performance do exist, and there are reliable means of measuring and applying these standards.

The evaluation and appraisal of industrial, utility and personal property relies heavily on the discovery of the property followed by the application of recognized appraisal techniques. The property is subject to inflation and depreciation in all forms. The appraisal of industrial and personal property involves understanding petroleum, chemical, steel, electrical power, lumber and paper industry processes along with a myriad of other industrial processes. Economic potential for this property usually follows either the specific industry or the general business economy. The appraisal of utility properties involves understanding telecommunications, electrical transmission and distribution, petroleum pipelines and the railroad industry. Utility properties are subject to regulation and

economic obsolescence. The examination of utility property involves the understanding of the present value of future income in a regulated environment.

The goal for valuation of industrial, utility and personal properties is to appraise all taxable property at "fair market value". The Texas Property Tax Code defines Fair Market value as the price at which a property would transfer for cash or its equivalent under prevailing market conditions if:

- exposed for sale in the open market with a reasonable time for the seller to find a purchaser;
- both the seller and the purchaser know of all the uses and purposes to which the property is adapted and for which it is capable of being used and of the enforceable restrictions on its use; and
- both the seller and purchaser seek to maximize their gains and neither is in a position to take advantage of the exigencies of the other.

Approaches to Value for Industrial, Utility, and Personal Property

Cost Approach: The use of cost data in an appraisal for market value is based upon the economic principle of substitution. This method is most readily applicable to the appraisal of industrial and personal property and some utility property. Under this method, the market value of property equals the value of the land plus the current cost of improvements less accrued depreciation. An inventory of the plant improvements and machinery and equipment is maintained by personally inspecting each facility every year. **As a general rule, and for the reasons stated above, Pritchard & Abbott, Inc., relies predominantly on the cost approach to value in the appraisal of industrial, utility, and personal property.**

Market Approach: This approach is characterized as one that uses sales data available from actual transactions in the market place. There are two factors that severely limit the usefulness of the market approach for appraising industrial, utility and personal properties. First, the property sales data is seldom disclosed; consequently there is insufficient market data for these properties available for meaningful statistical analysis. Second, all conditions of sale must be known and carefully investigated to be sure one does have a comparative indicator of value. Many times when these properties do change hands, it is generally through company mergers and acquisitions where other assets and intangibles in addition to the industrial, utility and personal property are involved. The complexity of these sales presents unique challenges and hindrances to the process of allocation of value to the individual components of the transaction.

In the case of industrial, utility and personal properties, a scarcity of sales requires that all evidence of market data be investigated and analyzed. Factors relative to the sale of these properties are:

- plant capacity and current production; terms of sale, cash or equivalent;
- complexity of property;
- age of property;
- proximity to other industry already operated by the purchaser; and
- other factors such as capital investment in the property.

As a general rule, and for the reasons stated above, Pritchard & Abbott, Inc., rarely employs a rigorous application of the market approach in the appraisal of industrial, utility, and personal property.

Income Approach: This approach to value most readily yields itself to all income generating assets, especially utility properties. Data for utility properties is available from annual reports submitted to regulatory agencies

whereby future income may be estimated, and then this future income may be converted into an estimate of value. The valuation of an entire company by this method is sometimes referred to as a Unit Value. Many refer to this as a capitalization method, because capitalization is the process of converting an income stream into a capital sum (value). As with any method, the final value estimate is no better than the reliability of the input data. The underlying assumption is that people purchase the property for the future income the property will yield.

The relevant income that should be used in the valuation model is the expected future net operating income after depreciation but before interest expense (adjustments for Federal Income Taxes may or may not be required). Assumptions of this method are:

- Past income and expenses are a consideration, insofar as they may be a guide to future income, subject to regulation and competition.
- The economic life of the property can be estimated.
- The future production, revenues and expenses can be accurately forecasted. Future income is less valuable than current income, and so future net income must be discounted to make it equivalent to the present income. This discount factor reflects the premium of present money over future money, i.e., interest rate, liquidity, investment management, and risk.

As a general rule, and for the reasons stated above, Pritchard & Abbott, Inc., employs the income approach in the appraisal of industrial and utility property only when quantifiable levels of income are able to be reliably determined and/or projected for the subject property. P&A does not employ the income approach in the appraisal of personal property.

DATA COLLECTION/VALIDATION

Sources of Data: The main source of P&A's property data for industrial and personal property is through fieldwork by the appraisers and commercially/publicly available schedules developed on current costs. Data for performing utility appraisals is typically provided by the taxpayer or is otherwise available at various regulatory agencies (Texas Railroad Commission, Public Utilities Commission, FERC, et. al.). Other discovery tools are financial data from annual reports, information from chief appraisers, renditions, tax assessors, trade publications and city and local newspapers. Other members of the public often provide P&A information regarding new industry and other useful facts related to property valuation.

Data Collection Procedures: Electronic and field data collection requires organization, planning and supervision of the appraisal staff. Data collection procedures have been established for industrial and personal properties. Appraisers gather and record information in the mainframe system, where customized programs serve as the basis for the valuation of industrial, utility and personal properties. P&A is divided into multiple district offices covering different geographic zones. Each office has a district manager and field staff. While overall standards of performance are established and upheld for the various district offices, quality of data is emphasized as the goal and responsibility of each appraiser. Additionally, P&A's Engineering Services Department provides supervision and guidance to all district offices to assist in maintaining uniform and consistent appraisal practices throughout the company.

VALUATION ANALYSIS (MODEL CALIBRATION)

The validity of the values by P&A's income and cost approaches to value is tested against actual market transactions, if and when these transactions and verifiable details of the transactions are disclosed to P&A. These transactions are checked for meeting all requisites of fair market value definition. Any conclusions from this analysis are also compared to industry benchmarks before being incorporated in the calibration procedure. Appropriate revisions of cost schedules and appraisal software are annually made and then tested for reasonableness prior to the appraisals being performed.

INDIVIDUAL VALUE REVIEW PROCEDURES

Individual property values are reviewed several times in the appraisal process. P&A's industrial, utility, personal property programs and appraisal spreadsheets afford the appraiser the opportunity to review the value being generated. Often the appraiser is prompted to reevaluate some or all of the parameters of data entry so as to arrive at a value more indicative of industry standards. Examples of indicators are original cost, replacement cost, service life, age, net operating income, capitalization rate, etc. In addition to appraiser review, taxpayers are afforded the opportunity to review the appraised values either before or after Notices of Appraised Value are prepared. Taxpayers, agents and representatives routinely meet with P&A's appraisers to review parameters and to provide data not readily available to P&A through public or commercial sources, such as investment costs and capitalization rate studies. And of course, all property values are subject to review through normal protest and Appraisal Review Board procedures, with P&A acting as a representative of the Office of the Chief Appraiser.

PERFORMANCE TESTS

An independent test of the appraisal performance of properties appraised by P&A is conducted by the State of Texas Comptroller's Office through the annual Property Value Study for school funding purposes. This study determines the degree of uniformity and the median level of appraisal for utility properties. School jurisdictions are given an opportunity to appeal any preliminary findings. After the appeal process is resolved, the Comptroller publishes a report of the findings of the study, including in the report the median level of appraisal, the coefficient of dispersion around the median level of appraisal and any other standard statistical measures that the Comptroller considers appropriate.



PRITCHARD & ABBOTT, INC.
VALUATION CONSULTANTS

www.pandai.com

5912 WEST AMARILLO BOULEVARD / AMARILLO, TEXAS 79106-4148 / (806) 358-7837 / FAX: (806) 358-7830

July 7, 2020

To Chief Appraisers:

RE: USPAP STANDARDS RULE 6-9: CERTIFICATION

Enclosed for your use, is the signed copy of the 2020 certification as required.

Douglas Sahli, RPA
District Manager

USPAP STANDARD 6-3: CERTIFICATION

I certify that, to the best of my knowledge and belief:

- The statements of fact contained in this report are true and correct.
- The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions, and are my personal, impartial, and unbiased professional analyses, opinions, and conclusions.
- I have no (or the specified below) present or prospective interest in the property that is the subject of this report, and I have no (or the specified below) personal interest with respect to the parties involved.
- I have performed no (or the specified below) services, as an appraiser or in any other capacity, regarding the property that is the subject of this report within the three-year period immediately preceding acceptance of this assignment.
- I have no bias with respect to any property that is the subject of this report or the parties involved with this assignment.
- My engagement in this assignment was not contingent upon developing or reporting predetermined results.
- My compensation for completing this assignment is not contingent upon the reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of this appraisal.
- My analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the *Uniform Standards of Professional Appraisal Practice*.
- I have (or have not, if specified below) made a personal inspection of the properties that are the subject of this report. (Any other signatories to this report have either made or not made a personal inspection of the properties as noted below.)
- No one provided significant mass appraisal assistance to the person signing this certification. (The name of each individual providing significant mass appraisal assistance, if any, is stated below.)

		Inspected Property?	Provided Significant Appraisal Assistance?
	<u>7/14/20</u> Date	<u>Y</u> Yes No	<u>Y</u> Yes No
<u>Dean McDaniel</u> Appraiser (b)	<u>7-7-20</u> Date	<u>Y</u> Yes No	<u>Y</u> Yes No
<u>Joshua Poedel</u> Supervising Appraiser Dept. Manager	<u>7/7/20</u> Date	<u>Y</u> Yes No	<u>Y</u> Yes No
<u>Anthony Sal...</u> District Manager	<u>7/8/20</u> Date	<u>N</u> Yes No	<u>N</u> Yes No

List of other individuals who provided significant mass appraisal assistance and/or personal inspection statement of any signatories:

MASS APPRAISAL OF MIUP PROPERTIES PER USPAP STANDARDS (2020-2021 EDITION)
PRITCHARD & ABBOTT, INC.
EFFECTIVE JANUARY 1, 2020 (APPLICABLE FOR TAX YEARS 2020 AND 2021)

		Inspected Property?	Provided Significant Appraisal Assistance?
<u>Walter Stuhling</u> Appraiser	<u>7.7.20</u> Date	<u>Y</u> Yes/No	<u>Y</u> Yes / No
<u>Kerry Womble</u> Appraiser	<u>7-16-20</u> Date	<u>Y</u> Yes/No	<u>Y</u> Yes / No
<u>[Signature]</u> Appraiser	<u>7/17/20</u> Date	<u>Y</u> Yes/No	<u>Y</u> Yes / No
<u>[Signature]</u> Appraiser	<u>7-17-20</u> Date	<u>Y</u> Yes/No	<u>Y</u> Yes / No
_____ Appraiser	_____ Date	_____ Yes/No	_____ Yes / No
_____ Appraiser	_____ Date	_____ Yes/No	_____ Yes / No
_____ Appraiser	_____ Date	_____ Yes/No	_____ Yes / No
_____ Appraiser	_____ Date	_____ Yes/No	_____ Yes / No
_____ Supervising Appraiser / Dept. Manager	_____ Date	_____ Yes/No	_____ Yes / No



PRITCHARD & ABBOTT, INC.
VALUATION CONSULTANTS

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Updated: 7/7/2020

<u>EMPLOYEE NAME</u>	<u>TDLR#</u>	<u>Annual Registration EXP. DATE</u>
Ashley, Malachi	74697	2/4/2021
Ballard, Brant	74393	2/25/2021
Elias, John	74392	2/25/2021
Hamby, Danny	73029	8/14/2020
Helms, Mark	75549	9/25/2020
Lapp, Kathy	74280	10/23/2020
McDaniel, Dean	69180	2/9/2021
Roeder, Josh	72097	2/13/2021
Sahli, Doug	71050	11/6/2020
Seeley, Marty	71643	1/27/2021
Stribling, Debbie	16645	11/1/2020
Taylor, Richard	72414	12/18/2020
Voyles, Wyatt	76494	4/6/2021
Womble, Larry	71931	11/7/2020