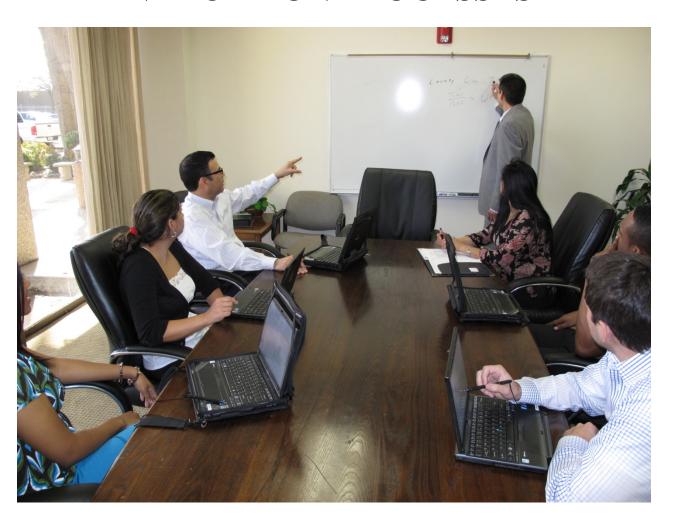


DALLAS CENTRAL APPRAISAL DISTRICT DCAD

- DCAD appraisers appraise a large universe of properties by developing appraisal models
- DCAD appraisers undertake mass appraisal techniques
- Mass Appraisal is a systematic appraisal of a group of properties as of a given date (January 1) using
- A set of standardized procedures and statistical testing







APPRAISAL PROCESS

- DCAD is required to appraise all property at Market Value as of January 1 of every tax year
- Texas Property Tax Code Section 1.04 defines Market Value
- Market Value means the price at which a property would transfer for cash or its equivalent under prevailing market conditions if:
 - (A)Exposed for sale in open market place with a reasonable time for seller to find a purchaser
 - (B)Both the seller and purchaser know of all uses and purposes to which the property is adapted and for which it is capable of being used and the enforceable restrictions on its use; and
 - (C)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.

DCAD OFFICE



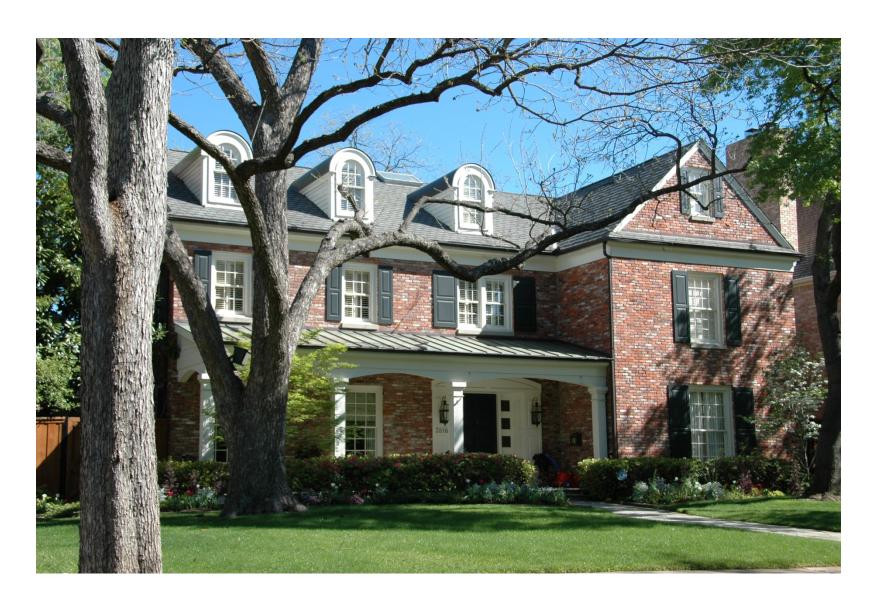
STATE CAPITAL



The valuation process performed by the Dallas Central Appraisal District typically falls into one of three categories.

- Building Permits
- Miscellaneous Inspections
- Reappraisal

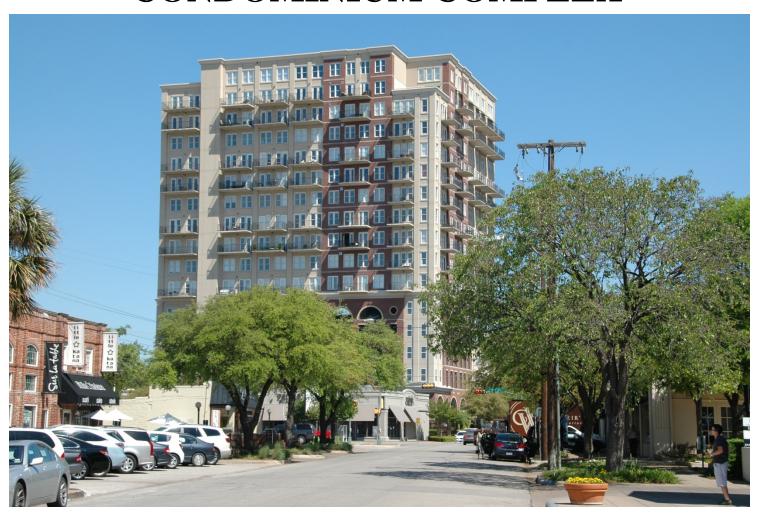
SINGLE FAMILY



SINGLE FAMILY



CONDOMINIUM COMPLEX



MOBILE HOME



750000600041WIL03

These three tasks are performed during the Field Cycle (August 1–April 1).

Permit work is typically done from August 1 through January 15.

Miscellaneous Inspections can be done throughout the field cycle time frame.

Reappraisals are typically done from January 15 through April 1.

BUILDING PERMITS

A building permit is a document issued by a city which gives a property owner permission to build on or modify a piece of real property.

After a property owner makes an application for a building permit, and has been approved, a copy is forwarded to the corresponding appraisal district.

Appraisal districts use these copies as a tool to discover new construction and/or alterations to existing structures.

The two main types of building permits are:

New Construction Permits are newly constructed houses.

- a) The exterior perimeter of all new houses are measured and the sketch is accurately recorded.
- b) All physical characteristics such as building class, living area square footage, condition, bath room count, and other physical characteristics are updated.



Miscellaneous Permits are all building permits for items such as pools, room additions, garage enclosures, remodeling, repairs, and demolitions.

- a) Exterior measurements are made when required.
- b) Adjustments to the improvement's physical characteristics are updated to the account.



Since the assessment date is January 1, all permit inspections are made from August 1 through January 15.

If during the initial inspection the appraiser finds the permit work to still be in process, then the appraiser will recheck again close to the January 1 assessment date.

If the property is still under construction towards the end of the year, or the work hasn't begun, the appraiser is required to determine the level of completion and flag the account for re-inspection the following appraisal year. According to the Texas Property Tax Code, the appraisal district is required to appraise property, in its current state, as of January 1 of any given tax year. Therefore a 50% complete home gets appraised at 50%, a 75% complete swimming pool gets appraised at 75%, etc.



STEPS IN THE PERMIT PROCESS

- **Step 1:** Receive copies of the permits from the 31 cities served by the Appraisal District.
- **Step 2:** Match these permits to their corresponding DCAD accounts.
- **Step 3:** Appraisers are assigned the needed accounts for onsite inspections.
- **Step 4:** Onsite field inspections are conducted utilizing iPads which allows for immediate update to DCAD's Mass Appraisal Records System (MARS).
- **Step 5:** Value the completed permit work and make ready for appraisal notification by April 10.

An equally important factor in appraising property is to have accurate property descriptions. This is achieved through actual field inspections performed by the DCAD appraisers.



REAPPRAISAL

Mass appraisal is the systematic appraisal of groups of properties as of a given date using standardized procedures and statistical testing.

The Texas Property Tax Code requires appraisal districts to maintain property records and assign a January 1 value to all property.

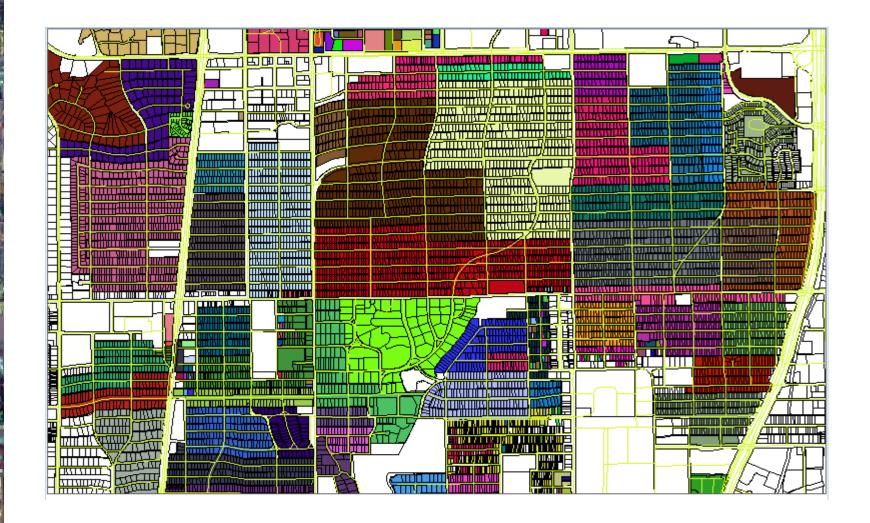
Mass appraisal provides appraisal districts the ability to accomplish such a large task in a proficient and accurate manner.

The annual reappraisal effort is where the mass appraisal process occurs.

RESIDENTIAL NEIGHBORHOOD CONCEPT

- Each Residential account is assigned to a specific Neighborhood.
- A Residential Neighborhood is a defined market area.
- Neighborhoods vary in size but don't cross over into different Independent School Districts.
- Residential Models are developed at the Neighborhood Building Class level.
- Insures more accurate and equitable market values.

Dallas Central Appraisal District Has Over 4,800 Residential Neighborhoods





RESIDENTIAL BUILDING CLASSIFICATION

• 28 Residential Building Classifications.

• Develop specific mass appraisal model by Neighborhood by Building Class.

• Same model applied to all same classed properties within a specific neighborhood.

• Insures more accurate and equitable market values.

RESIDENTIAL NEIGHBORHOOD SALES RATIO ANALYSIS

- Residential neighborhoods targeted for reappraisal based on neighborhood sales ratio analysis.
- Sales Analysis compares neighborhood sale prices to current appraised values.
- Goal is to appraise all properties at 100% of market value.
- Reappraisal occurs if neighborhood sales ratio is less than 95% or greater than 105% of market value.
- Residential neighborhood sales ratio analysis occurs in January and March of every year for all residential neighborhoods.

RESIDENTIAL NEIGHBORHOOD AND BUILDING CLASSIFCATION

- 1) Determine the level of assessment at the neighborhood and building class level.
- 2) Apply a neighborhood building class location factor to the neighborhood building class model for both the sold and unsold properties to predict what homes will sell for based on what has sold.
- 3) Undertake a neighborhood value review of the newly adjusted proposed market values.

RESIDENTIAL REAPPRAISAL

- Sold properties used in model development are inspected and reviewed prior to neighborhood reappraisal.
- Physical characteristics are reviewed for accuracy.
- Appraiser undertakes a neighborhood value review to review all new proposed market values.
- Neighborhood drive-out typically occurs.
- Digital photographs, aerial photography and Geographical Information System (GIS) maps are also reviewed.

RESIDENTIAL REAPPRAISAL



RESIDENTIAL REAPPRAISAL



RESIDENTIAL APPROACHES TO VALUE

Mass Appraisal Records System (MARS)

- Three approaches to value
 - Cost Approach
 - Sales Approach
 - Income Approach

RESIDENTIAL COST APPROACH

- Cost Approach of Value for all Residential Properties.
- Calculate Replacement Cost New (RCN) of house.
- Deduct appropriate amount of Depreciation.
- Depreciation determined by effective age and condition/desirability/utility (CDU) rating.
- Land Value added to Replacement Cost New Less Depreciation (RCNLD) to arrive at estimated market value via the Cost Approach.
- Cost Approach primary value approach used during the reappraisal effort.
- Cost Approach is modified based on recent sales information by building class by neighborhood.
- Equity achieved by using the same location factor for all similar classed properties within a neighborhood.
- Cost Approach preferred method for unique properties or lack of sale comparables.

RESIDENTIAL SALES APPROACH

- Compared property being appraised to similar properties that have recently sold.
- Adjustments are made to sale comparables when compared to the subject property.
- If sold property had a pool but subject property doesn't then an adjustment would be warranted.
- Sales Approach can be used to value land only accounts.
- Sales Approach is typically used during the informal meeting with taxpayer or authorized agent and at the formal Appraisal Review Board Hearing.

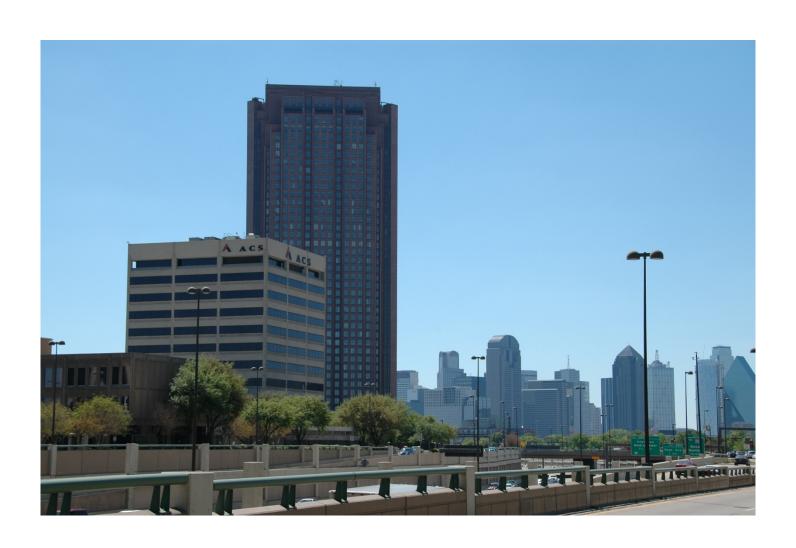
RESIDENTIAL INCOME APPROACH

- Used in limited instances for Residential properties.
- Preferred method for income producing Commercial properties.
- Sales Approach is preferred method for Residential properties in the informal meeting with property owner or authorized agent and at the formal Appraisal Review Board process.

COMMERCIAL BUILDING CLASSIFICATION

- Office Buildings
- Multi-family Property (Apartments)
- Retail Property (Shopping Centers)
- Industrial Property (Warehouses)
- All Commercial Buildings
- Properties on Commercial zoned Land
- Commercial zoned land tracts
- 86 Commercial Building Classifications

OFFICE



APARTMENT



RETAIL



INDUSTRIAL



36078800010010000

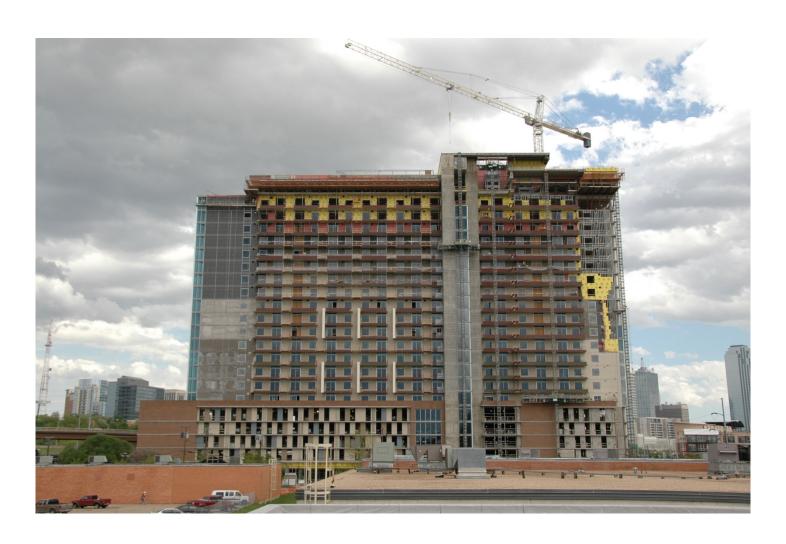
COMMERCIAL ZONED PROPERTY



COMMERCIAL BUILDING PERMITS

- New Construction Permits
- Miscellaneous Permits
 - Remodels
 - Additions
 - Repair
 - Demolitions
- Inspections completed prior January 15
- Partially complete properties valued as of January 1
- Partially complete properties re-inspected annually until completed

COMMERCIAL BUILDING PERMITS



COMMERCIAL BUILDING PERMITS



COMMERCIAL REAPPRAISAL

- Undertaken January 15th April 1st
- Land Market Areas (LMA)
- Improved Market Areas (IMA)
- LMA and IMA targeted for reappraisal
- Insure accurate and equitable values
- IMA
 - Office Buildings
 - Multi-family Property (Apartment Complexes)
 - Retail Property
 - Industrial Property (Warehouses)

COMMERCIAL REAPPRAISAL INCOME MODEL DEVELOPMENT

- Income Models developed annually for all Improved Market Areas (IMA)
- Class A, B, and C models developed
- Market data analyzed
 - Income and Expense Statements
 - Rent Rolls
 - Data received during Appraisal Review Board (ARB) Process
 - Local and National publications

COMMERCIAL APPROACHES TO VALUE

Mass Appraisal Records System (MARS)

- Three approaches to value
 - Cost Approach
 - Sales Approach
 - Income Approach

COMMERCIAL COST APPROACH

- Calculates Replacement Cost New (RCN)
- Deducts Depreciation (LD)
- Uses Age-Life Tables
- National Cost Publication Service
- Market Data
- Cost tables generate price per square foot
- Land value added to improvement value(RCNLD)
- Preferred method for special use properties, new construction, limited sales data, or limited income data

COMMERCIAL SALES APPROACH

- Analyze sales of comparable properties compared to subject property
- Sales data
 - Sale surveys
 - Market research companies
 - Third party appraisals
 - Local media
 - Appraisal Review Board process
- MARS allows appraiser to select sale comparable properties
- Comparables adjusted for sale conditions, land size, improvement size, age, condition, and location.
- Arrive at indicated Sales Approach to Value

COMMERCIAL INCOME APPROACH

- Capitalization of Income
- Direct Capitalization
- Single year's net operating divided by market cap rate
- Market income data compared to subject property income data
- DCAD collects and enters income data into database
 - Income and expense data
 - Rental data
 - Occupancy data
 - Secondary income data
 - Net operating Income data

COMMERCIAL INCOME APPROACH

- Capitalization rates estimated based on sale prices and net operating incomes
- Outside sources
 - Market research companies
 - Real estate publications
- Capitalization rates used for IMA Income Models
- Subject property income components compared to market indicators
- Income Approach preferred method for income producing property (Office, Apartment, Retail, Industrial)

BUSINESS PERSONAL PROPERTY VALUATION PROCESSES



It is the responsibility of the Business Personal Property Division to discover, list, and value all Business Personal Property in Dallas County for property tax purposes.

BUSINESS PERSONAL PROPERTY (BPP)

Business Personal Property (BPP) consists of movable items used in the course of business not permanently affixed to, or part of, the real estate.

Examples of Business Personal Property are:

- Furniture
- Machinery and equipment
- Computers
- Vehicles
- Inventory
- Supplies



BUSINESS PERSONAL PROPERTY DISCOVERY

- To insure that all business personal property that should legally be on the roll is properly listed and valued, it must first be located and identified.
- To accomplish this task the appraiser starts with the previous year's business personal property appraisal roll, which is divided into geographic areas within Dallas County.
- The information from the previous year's appraisal roll is downloaded to a computer pen device that the appraiser carries with them in the field. The Dallas Central Appraisal District has developed a computer aided personal property appraisal system or Mass Appraisal Records System (MARS) system that is used to track all businesses within Dallas County.
- The appraiser then drives or walks every street containing businesses within their assigned geographic area.



BUSINESS PERSONAL PROPERTY DISCOVERY

- When the appraisers are in the field they are verifying that existing businesses are still operating at the same location as the previous year.
- If a business has moved or ceased operations the information is noted and the account corrected.
- If the appraiser identifies a new business a new account will be created for that specific location.
- Each account has a unique account number that stays with the business and its assets even if there is an ownership change, or if the business moves to another location within Dallas County.

LISTING OF BUSINESS PERSONAL PROPERTY

The proper listing of property is critical to insure that the value and ownership of the property can be properly determined. Property records must include:

- Current legal owner This is the actual owner of the business.
- The Business DBA DBA stands for Doing Business As, and it is typically the name on the door or sign for the business.
- The property address of the business This is the physical address where the business and the assets being appraised are located.
- The DCAD account number A unique 17 digit account number that is assigned to each business personal property account in Dallas County.
- The Property characteristics of the business After locating a property, the appraiser must accurately record and list all of the property's characteristics to properly value the business personal property. This requires that the appraiser tour the business, determine the business type, and estimate the square footage of the facility. Once that is complete the appraiser makes general notes regarding the type and condition of the fixed assets at the location, and the inventory if applicable.

BUSINESS PERSONAL PROPERTY VALUATION

- Typically the cost approach is used to value business personal property, although all approaches are considered, the cost approach offers the most equitable and consistent method for mass appraisal of business personal property.
- The BPP appraiser will estimate the market value by comparing the subject business being appraised against similar types of businesses. The appraiser takes into account the size of the business, the quality and condition of the assets, and an estimate of the overall age of the assets. In addition to the business assets, the appraiser will also estimate the market value of inventory based on the quantity, and make any known condition adjustments.

BUSINESS PERSONAL PROPERTY RENDITION

The next important step in completing a business personal property appraisal is based on reviewing the **Business Personal Property Rendition Form**.

- Renditions contain information provided by the property owner and **per the Texas Property Tax Code**, **business owners are legally required to file a BPP rendition annually by April 15th**, and upon written request by the property owner the chief appraiser shall extend a deadline for filing a rendition statement by May 15th.
- Not filing a rendition by the annual April 15th deadline will result in a ten percent penalty being applied to the business personal property tax bill.
- The rendition requests basic information about a business including cost and year acquired of assets, inventory values, consigned goods, leased equipment and the property owner's opinion of value.
- The Dallas Central Appraisal District mails rendition forms to all existing BPP accounts and provides an Online BPP Rendition Filing System that is simple and easy to use. The Online BPP Rendition Filing System is located on DCAD's website at www.dallascad.org.
- To access the Online BPP Rendition Filing System you must have your annual assigned PIN # which is located on the green BPP Rendition form mailed to your business in January of every year
- DCAD would like to encourage all business owners to file an Online BPP Rendition as this is beneficial for both DCAD and the business owner.

BUSINESS PERSONAL PROPERTY RENDITION FORM

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DALLAS CENTRAL APPRAISAL DISTRICT

Business Personal Property Division PO Box 560368 * Dallas TX 75356-0368 (214) 631-7406 " www.dallascad.org

FILE YOUR RENDITION ONLINE AT WWW.DALLASCAD.ORG CONFIDENTIAL PERSONAL PROPERTY RETURN FOR JANUARY 1, 2022 NOTE: FILING OF THIS RENDITION DOES NOT CONSTITUTE A PROTEST

Pecconitro.		Route: Business No		PIN#:
Owner:		Dusiness N	aric.	
Mailing Address:				
maning records.		Business Lo	cation:	
-		Consultant (Orde:	
THE FILING DE	ADLINE IS APRIL 15th		code and number):	
	or before April 15, a per the person owns or manages lure to file a timely rendition.			
you make a false state 7.10, Penal Code. Representation	ment on this form, you could b	e found guilty of a Class A n	nisdemeanor or a sta	te jall felony under <u>Section</u>
fease indicate if you are filling	g this form out as: oyee of an affiliated entity of the own	er Authorized Agent	Fiduciary Secu	red Party
iame of owner, authorized a	gent, fiduciary, or secured party	Phone (area code a	nd number)	
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resent mailing address if diff tate, zip code	ferent from above: city,	Email Address		(optional)
ire you a secured party	with a security interest in the p de Section 22.01 (c-1) and (c-2)? Yo		on and with a histori	ical cost new of more than
you checked "Yes" to the rendition. Without the sur	his question, you must attach thorization, the rendition is not valid	a document signed by the pr and cannot be processed.	roperty owner indicat	ting consent for you to file
Ranket Value Information				
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he historical cost new and y	N° you will need to provide a year acquired in Section II and III - mmends that you provide historical or	or a good faith estimate of man	ket value in Section	y and you must provide either VI on this form. The Dallar
[Tax Code Section 22.01(b) ou must file a report listing an. 1 by ballment, lease, or	of appraiser, you must render a 3-For this type of property complete to 3 the name and address of each oneignment or other arrangement.	ections II, III, IV, V, or VI, whichev owner of taxable property that Tax Code Section 22.04(a)] For the	er are applicable. When is in your possession his type of property com	required by the chief appraise or under your management or plete sections IV or V.
If you have previously fi hecking this box, "I affire umber, is a complete and o additional assets were pure	led a rendition form and it remain in the information contained in the accurate rendition as of January thased, sold or disposed of and inven-	s an accurate rendition of your re prior year of rendit r 1st of this year in accordance tory levels if applicable remain the s	property for this year ton statement filed w a with Texas Property ame.	y you may check this box. By th the same DCAD account y Tax Code Section 22.01 and
	L	General Information		
roviding the following infor ensonal property. Business was sold. Date	mation is optional, but it helps th sold:	e Appreisal District maintain a	ccurate records of t	the status of your business
	ne number of new owner:			
Business moved. Date m New Address:	oved:			
Yes No Was th	ere a substantial change in the physi	cal assets at this location prior to Ja	nuery 1?	
How many square feet d Business Type: Manu	pes your business occupy?	terviceNew Business Business	Description	
lign and Date Form				and correct to the heat of your
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List all taxable																				
overhead costs)	If needed	t, you may	attach a	ddblor	nel sheets or	8 00	amputer	generated	copy list	ing the	 Information 	below.	Figures at	ould b	se as of Ja	enuary 1 c	r adju	usted thereto	. If you ca	eny.
consigned goods, see Section Vibelow. The historical cost may be provided here or the good faith estimate of market value in Section VI below.																				

1.		Original Cost		LIFO (include reserve)		Lower of your quet or market is eiling p	rice [Replacement Cost	
		FIFO		Other (specify)					
	Type/Cate								
	Cost of Inve	mtory (finished goo	ds) as of Jan	uary 1		<u> </u>			
Add UPO Reserve							4		
	Raw materials and work in process, not included in regular inventory stated above.						5		
	Supplies (Include all expensed supply tems on hand January 1 used in business, but not included above.)						4		

III. Historical Cost and Year Acquired of Fixed Assets

Lit all bushless paramel properly by hypotendapory of properly pass. "Technically," if maked you may attach additional inheat or a computer generated copy lating the "Information below. If you have leased assets or consigned genote asset Section IV notion Section Vision. These total layer acquired using historical cost in the appropriate hyperchaptory. If you have assets that do not it in one of Seas categories, please are the "Other" column or list on additional shades and attach to the excition. Providing historical cost and year acquired will asset the Appoint of Section Vision you properly. This Information is optional and our may provide a good this artisties if market vision Section Provided Williams.

	Furniture & Fixtures	Machinery & Equipment	Office & Telephone Equipment	Computers & Related Equipment	Care & Pickupe	Trucks 1 Ton or more & Trailers	Other*
Year	YourCost	YourCost	YourCost	YourCost	YourCost	YourCost	YourCost
2021							
2020							
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2006					1		
2006					1		
2004							

Total 2004 and prior purchases in the 2004 fields. "Footbare shown in the "Other" column, including Poliution Control Equ

IV. Leased, Loaned, or Rented Personal Property

Name, Address, Phone # of Owner of term	Description	Selling price Fatated in lease (optional)	AnnualRent (optional)

U. Consigned Goods

U. Con

Propergrounding	Properly Course Autoritis	General Property Canadagon	(optional)

VI. Owner's Opinion of Value for Under \$20,000 and Over \$20,000

List all transities personal property by hyperiotelegacy of property (See Enforcers). Therefort, you may attach additional sheets. If you checked "Under \$20,000" you will need to provide a general description of the property and you will have the option of providing the National cost new and year adquired in Eaction II and III above or a good that estimate of market value in Eaction Violenta Burn.

If you checked "Over \$20,000" you will need to provide a general description of the property and you must provide either the historical cost new and year acquired in Section II and III above or a good fath estimate of market value in Section IV on this form. The Dallas Central Appraisal District recommends that you provide historical cost and warracquired of your assets whenever cossible.

Property description by type/category Other (seacribe)	Property address or address where trusble	quantity of each type (optional under \$20,000)	Good faith ectimate of market value (optional under \$20,000)	Costwhen new(and) SeeSection BITE (optional under \$20,000)	Acquired See Section Hill (optional under \$20,000)	Owner manuscriptors, if you manage or contribution posts, as a floridary.	
Inventory							
Fixed Assets							
Cener							

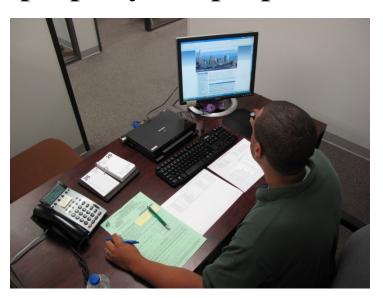
BUSINESS PERSONAL PROPERTY RENDITION

A properly filed rendition form allows the BPP appraiser to:

- 1) Verify the Legal Owner, DBA, and Physical Location of the property on January 1 of the appraisal year.
- 2) Use contact information on the rendition if the appraiser has questions about the business being appraised.
- 3) Compare cost or opinion of value information against the estimate of value made by the appraiser in the field.

BUSINESS PERSONAL PROPERTY VALUATION

With the appraiser's information gathered in the field and a properly filed Business Personal Property Rendition form from the owner, the BPP appraiser has enough information to make an accurate and equitable business personal property market value appraisal for property tax purposes.



BUSINESS PERSONAL PROPERTY REMINDERS

- Business personal property owners are legally required to file a Business Personal Property Rendition annually per the Texas Property Tax Code.
- Not filing a **Business Personal Property Rendition** by the annual **April 15th deadline** will result in a 10% penalty being applied to the business personal property tax bill.
- DCAD would encourage all business owners to use the Online BPP Rendition filing system as opposed to filing the rendition manually.

SUMMARY OF DCAD VALUATION PROCESSES

- Establish January 1 accurate and equitable Market Value
- Building Permits (August 1- January 15)
- Reappraisal (January 15 April 1)
- Residential and Commercial Model Development
 - Residential Neighborhood
 - Commercial Land Market Area (LMA) and Improved Market Area (IMA)
- Business Personal Property
 - Site visits
 - Rendition Form
- Three Approaches to Value
 - Cost Approach
 - Sales Approach
 - Income Approach

Thank you for your interest and we hope this presentation provides a better general understanding of the valuation processes undertaken by the Dallas Central Appraisal District.

