

Industrial Land 2012 Assessment Brief

Property Tax Account:

Municipal Address:

Legal Description:

**2012 Assessment
\$
ARB Hearing Date:**

MASS APPRAISAL

Mass appraisal is a methodology for valuing individual properties, which involves the following process:

- properties are stratified into groups of comparable property
- common property attributes are identified for the properties in each group
- a uniform valuation model is calibrated for each group using market information incorporating the property attributes

Mass Appraisal and Single Property Appraisal

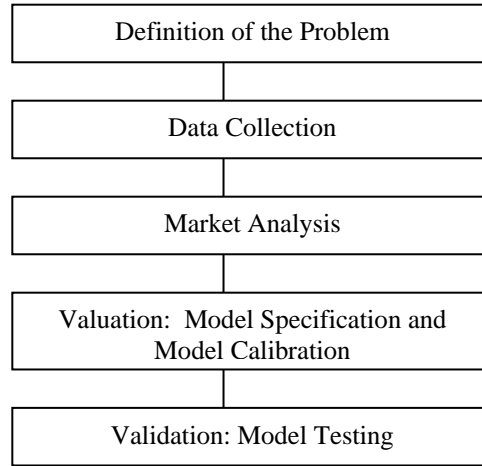
The appraisal process recommended by the Appraisal Institute of Canada is essentially the same for mass appraisals and single-property appraisals. Differences that exist mostly result from differences of scale. The following two quotations indicate how the International Association of Assessing Officers distinguishes between mass appraisal and single-property appraisal:

... “*single-property appraisal is the valuation of a particular property as of a given date; mass appraisal is the valuation of many properties as of a given date, using standard procedures and statistical testing.*”

... “*Also, mass appraisal requires standardized procedures across many properties. Thus, valuation models developed for mass appraisal purposes must represent supply and demand patterns for groups of properties rather than a single property.*”

The International Association of Assessing Officers, *Property Appraisal and Assessment Administration*, Chicago, Illinois, 1990, pg.88-89

The appraisal process, as followed for both mass appraisal and single-property appraisal, consists of the following stages:



PROCESS	MASS APPRAISAL	SINGLE APPRAISAL
Definition and purpose	Mass appraisal is used to determine the assessment base for property taxation in accordance with legislative requirements.	The client specifies the nature of the value to be estimated, including rights to be valued, effective date of valuation, and any limiting conditions.
Data Collection	Mass appraisal requires a continuing program to maintain a current database of property attributes and market information.	The extent of data collection is specific to each assignment and depends on the nature of the client's requirements.
Market Analysis	Mass appraisal is predicated on highest and best use.	Market analysis includes the analysis of highest and best use.
Valuation Model Specification and Calibration	Valuation procedures are predicated on groups of comparable properties.	The subject property is the central focus of the valuation procedures. The analysis of comparable properties is restricted to a few properties – generally six or less.
Validation	The testing of acceptable analysis and objective criteria.	The reliability of the value estimate is more subjective. Acceptability can be judged by the depth of research and analysis of comparable sales.

Mass Appraisal Approaches

The International Association of Assessing Officers (IAAO) and the Appraisal Institute of Canada recognize the applicability of the following three approaches to value for use in mass appraisal.

- **Cost Approach**
- **Income Approach**
- **Sales Comparison Approach**

For the purposes of the 2012 Annual Assessment the sales comparison approach was employed. This was deemed to be the most appropriate method for the valuation of the Industrial Land properties as it mirrors the actions of buyers and sellers in the market place.

Support for the sales comparison approach comes from several reputable sources:

When sufficient valid sales are available, this approach tends to be the preferred valuation method.

IAAO, *Standard on Mass Appraisal of Real Property*, Chicago, Illinois, 2002, section 4.3.

The Direct Comparison approach is applicable to all types of real property interests when there are sufficient recent, reliable transactions to indicate value patterns or trends in the market. For property types that are bought and sold regularly, the direct comparison approach often provides a supportable indication of market value. When data are available, this is the most straightforward and simple way to explain and support a value opinion.

Appraisal Institute of Canada, *The Appraisal of Real Estate, Second Canadian Edition*, Vancouver, British Columbia, 2002, page 17.3.

Mass appraisal requires that a uniform valuation method be applied to all properties within a group.

APPLICATION OF MASS APPRAISAL PROCESS

Group: Industrial Land

Group Parameters: Properties in this group are defined by the following zoning.

- **AGI** *Industrial Reserve District*
- **IB** *Industrial Business District*
- **IL** *Light Industrial Zone*
- **IM** *Medium Industrial District*
- **IH** *Heavy Industrial District*

Sales Comparison Model:

The City of Edmonton used Multiple Regression Analysis (MRA) which determines the relationship of property attributes on value. MRA begins with the definition of location boundaries and property characteristics as well as time trends in the market. Value estimates were calculated using multiple regression analysis, which replicates the forces of supply and demand in the market place.

Sales occurring from January 2006 through June 2011 were used in the valuation and testing of this inventory. Through the review of sales the collective actions of buyers and sellers in the market place are analyzed to determine the contributory value of specific property characteristics that drive market value. Once these values have been determined through the mass appraisal process, they are applied to the inventory to derive the most probable selling price.

All sales and listings within the City of Edmonton were reviewed and analyzed. *Sales reflect the condition of a property as of the sale date and thus may not always be equivalent to their current assessed value.* Sales were validated by conducting site inspections and interviews, and by reviewing title transfers (change of ownership), sales validation questionnaires, and four data collection sources (Alberta Data Search, The Network, Anderson Data Online and Bourgeois & Company).

Attributes Used to Specify the 2012 Valuation:**Industrial Vacant Land**

- Lot size – Size of the lot or parcel of land
- Location – Corner, Interior, Major Road Influence
- Study/Market Area – Neighbourhood the property is in. These study areas are shown in the attached maps.
- Servicing – Includes (Water, Sanitary Sewer, Storm Sewer, Street Lighting and Curb/Gutter and Sidewalk).

Additional Adjustments may be made for the following characteristics

- Shape – Applied if the shape of the property makes a portion of the lot unbuildable
- Accessibility – Applied if access to the lot is limited
- Contamination – Parcel that requires remediation to be used to full potential
- Easement – Pipeline or Utility Easements that effect buildable portion of property
- Topography – Storm Ponds, Creeks, etc
- Utility/Remnant Lot – lot that cannot be built on but can still be used for parking, storage, etc.
- Oversize lot adjustment – Large lots whose size is not adequately captured in the assessment model

Application and Adjustments to the Model

Raw Land

Industrial land that is unserved.

Services

Reductions will be given to accounts missing services which include (Water, Storm Sewer, Sanitary Sewer, Street Lighting, Sidewalk/Curb and Gutter).

Remnant or Utility lots

Assessed at 40% of the Market Value (where reductions are applied for both servicing and utility / remnant lots, only the greater of the two adjustments is applied). A utility lot is a parcel reserved for utility lines which does not support developing the lot. A remnant lot is a lot that is too small or oddly shaped to support development

AGI Lands

If services are available, AGI zoned land will have a minimum 12,140 m² (3 acres) assessed at Market Value.

AGI land less than 4047 m² (1 acre) is assessed at full market value.

Farmland

Corporate or private owned farmland vacant less than or equal to 10 hectares is assessed at the maximum Farmland (F/L) rate of \$786.90/ha.

Corporate or private owned farmland vacant greater than 10 hectares is assessed at the F/L rate of \$786.90/ha and adjusted for productivity.

Summary

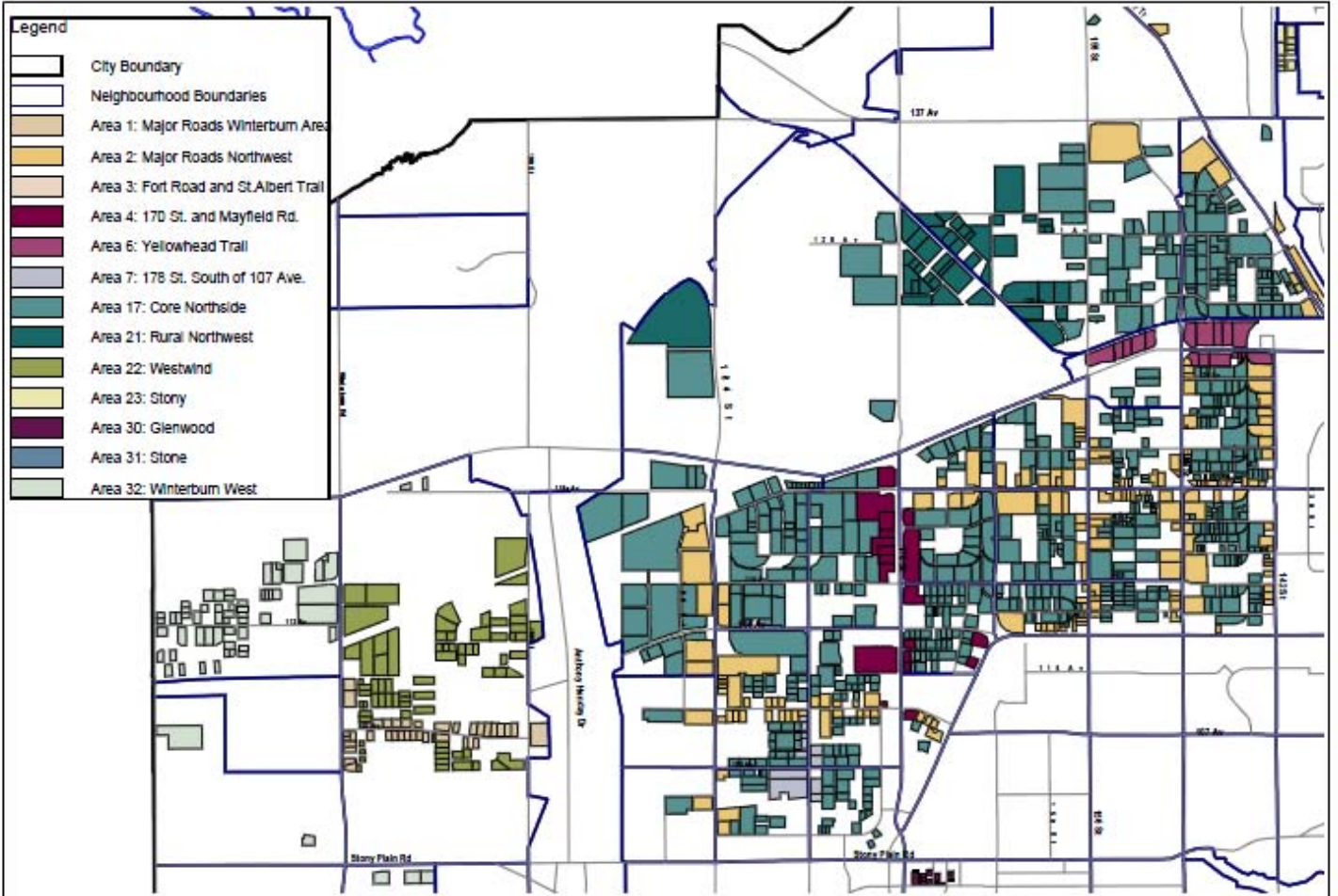
Properties are assessed using an industrial land model that adjusts for attributes that impact market value, in order to arrive at a typical market value for properties in these classes.

The resulting assessments were tested. The results indicated that our model predictions of value meet Provincial Quality Standards as set out in the *Matters Relating to Assessment and Taxation Regulation, AR 220/2004*.

The assessment models, the process utilized and the results are submitted annually to the Assessment Services Branch of the Department of Municipal Affairs for audit purposes. The audit is used to determine the accuracy of our predictions relative to the market place and is a direct reflection on the accuracy of our models.

The City of Edmonton has met all governing legislation, regulation and quality standard.

Industrial Study Areas - Northwest



Map compiled by: The Applications Team
Assessment & Taxation Branch

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