

# Grazing Disposition Royalty Proposal

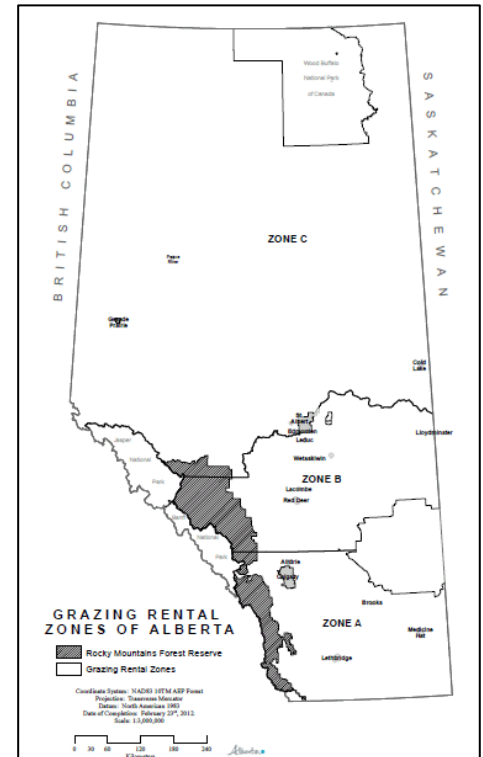
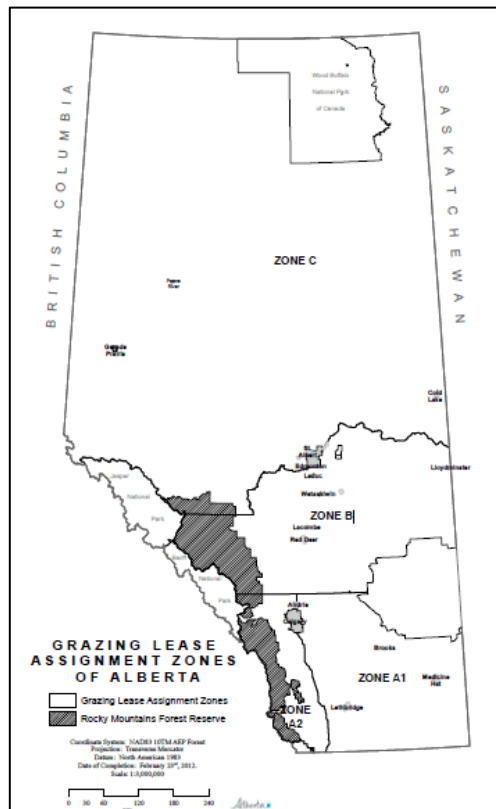
## Alberta Environment and Parks

### Grazing Disposition Rental Rates and Assignment Fees on Agricultural Public Lands

#### Background

In 1960 the province of Alberta created a public land grazing disposition framework based around a three zone system. These three zones were based on distance to livestock markets and the understanding of forage quality differences across the province at that time.

In order to charge rent for grazing use of these lands, a formula was developed based on the grazing capacity of the land, the average weight gain of cattle on grass, and the average sale price per pound of cattle to determine the forage value of the leased land. The rent payable was based on a percentage of the forage value in each of the three zones, Zone A (Southern Alberta – 10%), Zone B (Central Alberta – 8.33%) and Zone C (Northern Alberta – 5%).



Fees for assigning grazing leases were established at the same time as rental rates. Originally the assignment fee was intended to capture 50% of the capitalized value of a grazing lease. The actual amount varied across each of four assignment zones.

The assignment zones are slightly different than the rental rate zones as the southern zone is split into Zone A1 (Southeastern Alberta) and Zone A2 (Southwestern Alberta – Foothills/Eastern Slopes).

#### Current Rental Rates and Assignment Fees

Grazing lease rental rates and assignment fees in Alberta have been frozen since 1994 following concerns raised by both government and the grazing industry about how grazing disposition rental rates and assignment fees were calculated.

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A decision was made in 1994 to freeze the rates until a review was completed.

Since 1994, the grazing rental rates for leases, licences and permits in Alberta have been frozen. The proportionate differences between values reflect the percentages noted in the original calculation:

<b>Zone</b>	<b>Rate</b>
Zone A (Southern Alberta)	\$2.79/AUM
Zone B (Central Alberta)	\$2.32/AUM (83.3% of Zone A)
Zone C (Northern Alberta)	\$1.39/AUM (50% of Zone A)

These rates capture differing percentages of forage value based on zone.

In 1994 the assignment fees calculated using the 'Formula Approach' were also frozen at:

<b>Zone</b>	<b>Assignment Fee</b>
Zone A1	\$48.53/AUM
Zone A2	\$99.80/AUM
Zone B	\$48.53/AUM
Zone C	\$3.84/AUM

As the assignment fees are set at levels far in excess of the service delivered, in 2003 they were deemed a tax and incorporated directly into the *Public Lands Act* (Section 114.1 (1), (a), (b) and (c)). Assignment fees are the greater of the minimum assignment fee of \$100.00 per lease or a scalable fee that is based on the size of the lease in animal unit months:

<b>Zone</b>	<b>Assignment Fee</b>
Zone A1	\$50.00/AUM
Zone A2	\$100.00/AUM
Zone B	\$50.00/AUM
Zone C	\$5.00/AUM

### Proposed Grazing Disposition Royalty Framework

In late 2013 Environment and Parks made the decision to undertake a review of the grazing lease rental rate and assignment system with the intent to implement a new framework. A working group consisting of representatives from the Alberta Grazing Leaseholders Association, the Alberta Beef Producers, the Western Stock Growers and the Northern Alberta Grazing Leaseholders Association was established and provided suggestions to Environment and Parks on the creation of a new framework for rental rates and assignment fees for grazing dispositions on agricultural public lands.

Environment and Parks determined a new formula and framework in late 2014, as outlined in the following sections.

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### Objectives

The following is a list of objectives that are important for a new rental rate and assignment fee system to address. A new rental rate formula and assignment fee schedule should:

- Have comparable methodology to other resource sectors
- Remove existing barriers to succession or entry into the industry that result from the current rental rate formula or assignment fee schedule
- Promote and encourage good stewardship
- Address issues regarding social licence and continued market access
- Be justifiable to the Alberta public, other provinces, other resource sectors and grazing leaseholders
- Support the maintenance of native grasslands and recognize the interconnections between public and private grasslands
- Recognize the contributions of good management and private capital to the system
- Be fair to both leaseholders and Government

### Suggested Items to Include:

- Use a market-based administrative formula similar to that used in other resource sectors
- The new royalty structure will be based on a 2 zone system
- The new royalty structure will be based on the following minimum rents:

<u>Proposed Zone</u>	<u>Rental Rate</u>
Zone 1 (Southern Alberta)	\$2.30/AUM
Zone 2 (Northern Alberta)	\$1.30/AUM

- The new royalty structure will feature a variable component calculated as a percentage of the net income (if any) earned from a simple yearling operation on the lease
  - At the point where net income before royalties, taxes and capital return becomes positive, the variable component of the rent will be 10% of the net income
  - Should prices continue to rise the percentage will gradually increase (5% increments)
- Revenues are estimated from September yearling auction prices and in determining net income, in conjunction with a 2 year rolling average
- Costs used in determining the net income and incorporated into the formula are appropriate and justified

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- The use of Alberta's Consumer Price Index (CPI) to inflate costs between cost survey periods is justified and agreed upon
- Government would have to resurvey costs periodically (every 10 years) to ensure that the inputs to the formula are accurate
- The minimum rents will be implemented in year 1 and the variable component will be phased-in over 5 years (20% increments) so that any change in rent is gradual; however, should beef prices decline such that the full rent calculated for any given year is less than the prior year's phased-in rental rate then the phase-in will cease
- Assignment fees will be a flat rate throughout the province that reflects the cost of administration
- Proposed review of the system in 5 years

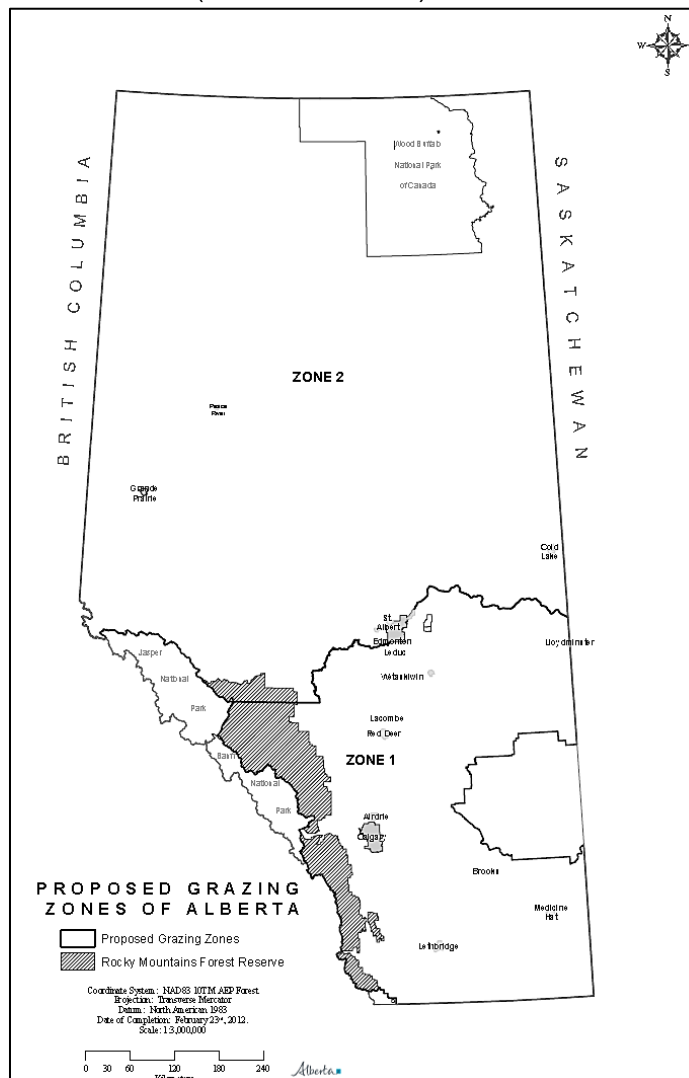
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### Proposed Grazing Zones

The proposal includes a new two zone grazing rental rates structure with a boundary based on the transition to the boreal region of the province, an area that incurs higher capital costs on grazing leases. The two zones would have different minimum rental rates to reflect these differences in capital costs:

Proposed Zone	Rental Rate
Zone 1 (Southern Alberta)	\$2.30/AUM
Zone 2 (Northern Alberta)	\$1.30/AUM



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### Proposed Formula

In summary, the formula is:

- (1) Yearling cattle market value less additional input costs less grazing lease operating costs equals the net income from the grazing lease.
- (2) Total grazing lease rental rate is the minimum rent plus a calculated variable rent that equals the net income (from above) times a predetermined percentage that defines government's share of the net income.

Component	Considerations
<b>Timing</b>	Rent for the year would be set in February before lease holders move cattle onto leases.
<b>Net Revenue</b>	<p>In calculating rent, gross revenue is the product of the prior September's Central Alberta yearling price (850 lb. average) and the average yearling net weight gain while on the lease (including transportation weight losses).</p> <p>Net revenue is the gross less the 10 year Olympic rolling average cost of acquiring yearlings (650 lb. average) in April.</p> <p>For the purposes of stability in the rental formula, the value of a spring yearling is calculated using the 10 year Olympic average relationship between fall sale prices and spring yearling sale prices.</p>
<b>Less Grazing Lease Operating Costs</b>	<p>Costs are established through provincial cost surveys (performed every 10 years). Surveys capture investment as well as operating costs, and are inflated annually based on the Alberta Consumer Price Index.</p> <p>Costs of transportation, mortality, vets, sales, and the minimum rent are added.</p>
<b>Leaves Net Earnings</b>	
<b>Lease Rent</b>	<p>Minimum of \$2.30/AUM in Zone 1 and \$1.30/AUM in Zone 2 when <b>Net Earnings</b> are equal to or less than zero.</p> <p>When <b>Net Earnings</b> are positive the rental rate is \$2.30/AUM or \$1.30/AUM plus a percent of the amount that <b>Revenue</b> exceeds <b>Costs (the variable rent)</b>.</p> <p>The variable rent is initially 10% of the positive net earnings – this increases by 5% when <b>Revenue</b> exceeds <b>Costs</b> by more than an amount that provides an adequate Return on Capital Employed (ROCE) for the average leaseholder.</p> <p>The ROCE is calculated as a 7.5% return on the:</p> <ul style="list-style-type: none"> <li>• Capital investment on the lease (from the cost survey)</li> <li>• Capital investment on the yearling (Central Alberta yearling prices, 650 lb. average) and cost of transportation to the lease</li> </ul> <p>As the difference between <b>Revenue</b> and <b>Costs</b> increases the percentage increases from 10% to 15% to 20% and so on to a maximum of 50%</p>

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### Rental Rate Phase In Period

Grazing lease rental rate changes will be phased in over a five year period (in this example, from 2013-2017). During this time, rental rates will be calculated as the base rate (minimum rent) plus a portion of the variable rent starting with a 20% of the increase in the variable rent and increasing by 20% per year. If, due to declines in beef prices, the current full rental rate is lower than the prior year's phased-in rental rate, then the phase-in will end and the rental rates will move to the full rates.

**Table 1.** Example of the phase in period illustrated for 2013 to 2017, describing full and phased rates for each zone. Note that phased-in rates reach the same level as full rates in 2017 in this example.

Year	Zone 1 Total Rent (\$/AUM)	Zone 2 Total Rent (\$/AUM)	Zone 1 Phased-in Rent (\$/AUM)	Zone 2 Phased-in Rent (\$/AUM)
2011	2.30	1.30	-	-
2012	2.30	1.30	-	-
2013	2.30	1.30	2.30	1.30
2014	2.59	1.30	2.42	1.30
2015	4.89	3.31	3.85	2.51
2016	11.09	8.39	9.33	5.67
2017	7.10	4.99	-	-

If implemented for the 2017 grazing season, phased-in rental rates would be \$3.26/AUM in Zone 1, and \$2.04 for Zone 2.

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### RENTAL RATES COMPARISON

Current Rental Rates	Proposed Rental Rates
System has been in place since 1960 and rates have been frozen at their current value since 1994.	A new formula based on potential profit from grazing on a lease.
Rental rate formula not aligned with other provincial royalty systems.	Proposed rental rate formula aligned with other provincial royalty systems and resource sectors.
Rental rates are a zonal percentage of the perceived forage value of the lease based on: <ul style="list-style-type: none"> <li>• Weight gain of cattle on grass.</li> <li>• Grazing capacity of the lease</li> <li>• Average yearly price of cattle.</li> </ul>	Rental rate formula calculated using: <ul style="list-style-type: none"> <li>• Market value of cattle in the spring and fall.</li> <li>• Potential weight gain of cattle on grass</li> <li>• Input, investment and operating costs of disposition holder (Grazing Lease Cost Study).</li> </ul>
Three grazing zones with separate rates and zonal royalties: <ul style="list-style-type: none"> <li>• Zone A = \$2.79/AUM (rent); 10% (royalty)</li> <li>• Zone B = \$2.32/AUM (rent); 8<sup>1/3</sup> % (royalty)</li> <li>• Zone C = \$1.39/AUM (rent); 5% (royalty)</li> </ul> <p>And any adjustments as designated by the Minister.</p> <p>Originally designed to account for longer distance to market faced by northern producers and to encourage settlement of northern Alberta.</p> <p>Different charges per AUM in the grazing zones.</p> <p>Zonal royalties are fixed for each grazing zone.</p>	Elimination of three grazing zones and replacement with a two zone system that captures minimum rental rate of \$2.30/AUM in Zone 1 and \$1.30/AUM in Zone 2 with incremental royalties increasing as profits increase: <ul style="list-style-type: none"> <li>○ ↑ cattle prices = ↑ royalties</li> <li>○ ↓ cattle prices = ↓ royalties (to \$2.30 or \$1.30/AUM)</li> </ul> <p>Distance to market no longer a major factor.</p> <p>Incremental royalties are responsive to market conditions and equal across the Province.</p>
Rental rates have been frozen since 1994. Lacks transparency (both formula and frozen fees). Not based on relevant cost structures incurred by leaseholder. Unresponsive to market conditions (frozen fees).	Proposed rental rate formula applies a two zone formula that would be calculated each year. Transparent and defensible. Based on relevant cost structures incurred by leaseholders (cost study). Responsive to market conditions.

An animal unit month (AUM) is the amount of forage required for one month by one mature cow with or without a calf. This is approximately 1,000 pounds of forage dry matter.



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### ASSIGNMENT FEES COMPARISON

Current Assignment Fees	Proposed Assignment Fees
Assignment fees were designed to recover 50% of the capitalized value of a disposition.	Assignments are an administrative process and the proposed fees will be based on the cost to the department of registering the assignment.
Assignment fee charged based on carrying capacity of land: <ul style="list-style-type: none"> <li>○ \$ per AUM</li> </ul>	Administrative cost not based on carrying capacity.
<p>These fees were originally calculated using a formula approach:</p> <ul style="list-style-type: none"> <li>• <math>\{BPC + (BPC * CPC) + \text{Constant} + (BPC * LVC)\} * 0.5</math></li> <li>• BPC – Base Period Consideration</li> <li>• CPC – Cattle Price Change</li> <li>• LVC – Land Value</li> </ul> <p>Considers:</p> <ul style="list-style-type: none"> <li>• Percentage change in cattle prices.</li> <li>• Percentage change in grazing land values in four zones.</li> <li>• Base period consideration.</li> </ul>	Fee that reflects the actual administrative and other costs of registering the assignment.
<p>Assignment fees calculated using the “Formula Approach” were frozen in 1994:</p> <ul style="list-style-type: none"> <li>• Zone A1 = \$48.53/AUM</li> <li>• Zone A2 = \$99.80/AUM</li> <li>• Zone B = \$48.53/AUM</li> <li>• Zone C = \$3.84/AUM</li> </ul>	Elimination of assignment fee zones.
<p>In 2003, assignment fees for “Arms-Length Transfers” incorporated into <i>Public Lands Act</i> at the following fixed rates:</p> <ul style="list-style-type: none"> <li>• Zone A1 = \$50/AUM</li> <li>• Zone A2 = \$100/AUM</li> <li>• Zone B = \$50/AUM</li> <li>• Zone C = \$5/AUM</li> </ul> <p>Five other assignment types were established in 2003 under the Act with a flat \$100 assignment fee charge.</p>	<p>Elimination of assignment fee zones and establishment of assignment fees by Ministerial Order.</p> <p>Elimination of different categories of assignments.</p>
<p>Assignment fees are not transparent:</p> <ul style="list-style-type: none"> <li>• Based on outdated and cumbersome “Formula Approach”.</li> <li>• Not consistent across province, dependent on a variety of transfer types.</li> <li>• Not reflective of the cost of assigning the disposition.</li> <li>• Not consistent with other <i>Public Lands Act</i> dispositions.</li> </ul>	<p>Assignment fees would be transparent:</p> <ul style="list-style-type: none"> <li>• Not based on a cumbersome formula.</li> <li>• Applied consistently across the province.</li> <li>• Not differentiated by transfer types.</li> <li>• Based on department costs to register the assignment.</li> <li>• Consistent with other <i>Public Lands Act</i> dispositions.</li> </ul>