

Company of the Comp	Post-Payout Good Faith Estimate							For OSR 0	45 Only	GFE-1					
SRIET   SRIE	Project Name: Na	ame of Project	Report Month <sup>(1)</sup> : y	yyy-mm										Template For Perio	od 2016 to 2033
Procession   Mail   File   Mail   M		• • • • • • • • • • • • • • • • • • •											'	Form Id:	OSR045_GFE_2016
Part	Operator Id:	A ID of Operator	Operator Name: N	ame of Operat	or									Version #:	1.00
Second Content   Second Process   Seco	Production Month		<u>JAN</u>	<u>FEB</u>	MAR	<u>APR</u>	MAY	<u>JUN</u>	<u>JUL</u>	AUG	SEP	<u>OCT</u>	NOV	DEC	TOTAL
Find Count of Man Private Info	Indicate Actual or Estimate for Month		(Act)	(Est)	(Est)							(Est)	(Est)	(Est)	
Company   Comp	PRODUCTION, SALES & HANDLING CHARGES*														
Record Design Colored Age (1979)			<del>-</del> ;;	<del></del> ()	ii-			<del></del> ï-		<del></del> ii-	<del></del> i	<del></del> ii		,	0.0
Second Content Annual						0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Content of Search Content of	· '				0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Member Later And Claser Systems (mg)			<del>-</del> ;;	<del></del>	ii ii				<del></del> i	<del></del> ::-	<del></del>			<del></del> ii	0.0
Description of the property	Blended Bitumen AL Sales Volume (m³)			II		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Market Filter Normal   15	Other Oil Sands Products AL Sales Volume (unit)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Search Fromate AN, Saber Vertice (A)   50   50   50   50   50   50   50   5	Crude Bitumen AL Sales Value (\$)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Substitution   Subs	Blended Bitumen AL Sales Value (\$)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rescue Rivers Value Delayer 4 & Sales (3)  10	Other Oil Sands Products AL Sales Value (\$)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Conc. Of Conc. No. Sect. Projection   Lond of Conc. Conc. No. Sect. Sect.   Sect.	Crude Bitumen Handling Charges for AL Sales (\$)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NOAMBER   STATES   NOAMBER   NOAMB			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Clark Planers NAL Selve Values (vi)* On Col Saze Values (vii)* On Col Saze Values (viii)* On Col Saze			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Passed Planer NAL Shaw Yolane (a)**   October 10 Standy Planer (a)**			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Description   Control Standar Products No. Standa					0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beneric Distance   March Sales Young (5)	Other Oil Sands Products NAL Sales Volume (unit)		0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Come of Control Contro	Crude Bitumen NAL Sales Value (\$)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Carlos Starroum Flanding Changes for NAL Sales (\$)	Blended Bitumen NAL Sales Value (\$)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Second Behamen Hamilton Chapter for MAL Sales (3)   S.   S.   S.   S.   S.   S.   S.   S	Other Oil Sands Products NAL Sales Value (\$)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Descript Officers   Marker   Neutring   Charges   In Mile   Sales	1		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dissert Park In NAL Sales Volume (nr)   0.0			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distance			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Chee Coll Sands Product FMV (Sunt)   \$0.00	1					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bitumen Density (kg/m²)	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `		<del></del>			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
### Refress BVM Price (Sim*)    S000	` ,									·		· ·			
SUM Transportation Allowance (Sim²)   So.00															
BVM Quality Adjustment (Elm*)   \$0.00   \$0.0														i	
Bitumen Adj BVM Price (\$\sim^2\$)														i	
NUT PRICE														i	
Crude Bitumen Unit Pince (S/m²) - AL Sales > or = Threshold%   \$0.00			φυ.σσ	ψ0.00	ψ0.00	ψ0.00	ψ0.00	ψ0.00	ψ0.00	ψ0.00	ψ0.00	ψ0.00	ψ0.00	ψ0.00	
Crude Bitumen Unin Price (Sim²) - No AL Sales   \$0.00   \$0.0			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Bended Bitumen Unit Price (\$\(\frac{m^2}{m}\)) - AL Sales > or = Threshold\(\frac{m}{m}\) = \(\frac{m}{m}\) = \(	Crude Bitumen Unit Price (\$/m³) - No AL Sales														
Blended Bitumen Unit Price (S/m³) - No AL Sales   \$0.00   \$0	Crude Bitumen Unit Price (\$/m³) - AL Sales < Threshold%		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Belended Bitumen Unit Price (\$\sigma\$') - AL Sales < Threshold\( \) \		%				•					1			ll l	
Other Oil Sands Product Unit Price (\$/unit) - AL Sales > or = Threshold%   \$0.00   \$						-					1		•	il i	
Cher Oil Sands Product Unit Price (\$/unit) - No AL Sales   \$0.00		, wo a b a l d 0 /				•									
Chef Oil Sands Product Unit Price (\$/unit) - AL Sales < Threshold%   \$0.00	` '	iresnoia%									1		•		
REVENUE	1	old%													
Crude Bitumen Revenue         \$0 </td <td></td> <td></td> <td>70.00</td> <td><del></del></td> <td>φσ.σσ</td> <td><del></del></td> <td>ψο.οσ</td> <td>φσισσ</td> <td><del></del></td> <td><b>Q</b></td> <td>Ţ3130</td> <td>φιισο</td> <td>ψ0.00</td> <td>ψ</td> <td></td>			70.00	<del></del>	φσ.σσ	<del></del>	ψο.οσ	φσισσ	<del></del>	<b>Q</b>	Ţ3130	φιισο	ψ0.00	ψ	
Other Oil Sands Products Revenue         \$0	Crude Bitumen Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT REVENUE (use to calculate Net Revenue)	Blended Bitumen Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DILUENT   Diluent in AL Sales Unit Price (\$/m³)   \$0.00   \$0	Other Oil Sands Products Revenue		\$0	·	·	\$0	\$0	T -	\$0	* -	\$0	\$0	•	\$0	\$0
Diluent in AL Sales Unit Price (\$/m³)         \$0.00	PROJECT REVENUE (use to calculate Net Revenue)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Diluent in Volume at RCP Unit Price (\$/m³)         \$0.00 <td></td> <td></td> <td><b>#</b>2.22</td> <td><b>#</b>0.00</td> <td><b>#</b>0.00</td> <td><b>0</b>0.00</td> <td><b>#</b>0.00</td> <td><b>#</b>0.00</td> <td><b>#0.00</b></td> <td><b>#0.00</b></td> <td><b>**</b></td> <td><b>#</b>0.00</td> <td><b>00.00</b></td> <td><b>#</b>0.00</td> <td>20.00</td>			<b>#</b> 2.22	<b>#</b> 0.00	<b>#</b> 0.00	<b>0</b> 0.00	<b>#</b> 0.00	<b>#</b> 0.00	<b>#0.00</b>	<b>#0.00</b>	<b>**</b>	<b>#</b> 0.00	<b>00.00</b>	<b>#</b> 0.00	20.00
Diluent in AL Sales Volume (m³) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			ll II								· ·				\$0.00
															\$0.00 0.0
Diluent in Volume at RCP (m <sup>3</sup> )  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Diluent in Volume at RCP (m³)														0.0

Alberta Energy



Post-	Payout	Good Faith Es	timate			F	or OSR 04	45 Only					(	GFE-1
Project Name: Name of	f Project	Report Month <sup>(1)</sup> : yyy	y-mm										emplate For Perio	d 2016 to 2033
OSR #: OSR045	5											_	Form ld:	OSR045_GFE_2016
Operator Id: BA ID of	f Operator	Operator Name: Nar	ne of Operato	or									Version #:	1.00
Production Month		JAN	<u>FEB</u>	MAR	<u>APR</u>	MAY	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	NOV	DEC	<u>TOTAL</u>
Indicate Actual or Estimate for Month		(Act)	(Est)	(Est)	(Est)	(Est)	(Est)	(Est)	(Est)	(Est)	(Est)	(Est)	(Est)	
Diluent in Remaining Volume (m³) - Vol at RCP less AL Sales		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Diluent Value in AL Sales (\$)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Diluent Value in Volume at RCP (\$)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Diluent Value in Remaining Volume (\$) - Vol at RCP less AL Sales		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GROSS REVENUE (do not use to calculate Net Revenue)		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	\$0
ALLOWED COSTS (AC)														
Project Operations (excludes cost of diluent)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Diluent		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Project Expansion PNCB		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Period Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Balance Carried Forward Upon Payout														\$0
Previous Period's Net Loss														\$0
Return Allowance on Prev Period's Net Loss														\$0
Excess of Prev Period's GRR over NRR														\$0
Total Allowed Costs Before ARA		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ARA for UGC														\$0
Total Allowed Costs After ARA														\$0
OTHER NET PROCEEDS (ONP)														
Excess of Prev Period's ONP over Total AC														\$0
Earned (Current Period's ONP)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Other Net Proceeds		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Allowable Revenue from Other Net Proceeds		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Excess of Current Period's ONP over Total AC Before ARA (Carry Fon	ward to Next Period)				<u> </u>									\$0
NET REVENUE BEFORE ARA														\$0
NET LOSS BEFORE ARA (Carry Forward to Next Period)														\$0
NET REVENUE AFTER ARA														\$0
*Revenue for Royalty Calculation														\$0
Net Rev Royalty (NRR) Before ARA														\$0
Net Rev Royalty (NRR) After ARA		_												\$0
Gross Rev Royalty (GRR)	0.00000%	<mark>6</mark>												\$0
Excess of Current Period GRR over NRR Before ARA (Carry Forward to	to Next Period)													\$0
Royalty Installment Calculated		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Royalty Installment Payable <sup>(2)</sup>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Royalty Installments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<sup>(1)</sup> Report Month is the current production month. Form submission is due 30 days after the report month.

Contact Name: Enter contact for the form
Company Title: Enter contact's position
Date Prepared: yyyy/mm/dd
Phone Number: (###)###-####
E-Mail Address: Contact@email.ca

Alberta Energy 2/6

<sup>(2)</sup> For the report month and future production months, the Royalty Installment Payable will be the same as the Royalty Installment Calculated. For production months previous to the report month, input the Royalty Installment Calculated from its respective report months as the Royalty Installment Payable.

If the Royalty Installment Calculated is a negative amount in a month, the Royalty Installment Payable for that month is \$0.

<sup>\*</sup>Revenue for Royalty Calculation will differ from Gross Revenue if there are product losses or if Diluent costs are greater than the Blended Bitumen revenues.

Reminder: This report must be accompanied by a statement indicating approval of this report by the chief financial officer, or by a senior officer of the operator approved in advance by Alberta Energy. - Oil Sands Royalty Regulation 2009, Section 38(5).

The statement of approval must reference the project id and royalty payable being approved.



Allowed Cost Upgrader Growth Capital Amortization Schedule

To be deducted from

proof 314,440,003.66 308,963,464.52 295,479,145.03 270,933,277.98 282,033,088.89 279,152,971.21 265,350,974.37 257,830,829.00 243,959,381.01 #DIV/0! #DIV/0!

	D = -14 0/ /-	LTDD (co.th										Nathana faath	0	ADA D!	A D A D a st	ADA David	ADA D. (		Total ARA		A -1 11111 1111
Year	Royalty% (min 25%)	LTBR for the year	Years to go	CAP	ARA_unadjusted	Interest	PR Paid	CAPRemain	ARA Adi%	ARA Adimt	ARA Adjusted	Net Loss for the Year?	Current Year ARA	ARA Pool Addition	ARA Pool Applied	ARA Pool Unapplied	ARA Return Allowance	CarryFwd ARA	Recognized for the year	Impact on Royalties	Additional fixed royalties
2009	25.00000%	3.90%	25	4,964,542,202	\$314,440,003.66	193,617,145.88	120,822,857.78	4,843,719,344.22	0%	,	314,440,003.66	N	314,440,003.66	0.00	0.00	0.00	0.00	0.00	314,440,003.66	78,610,000.91	
2010	25.00000%	3.73%	24	4,843,719,344.22	\$308,963,464.52	180,670,731.54	128,292,732.98	4,715,426,611.24	0%	0.00	308,963,464.52	N	308,963,464.52	0.00	0.00	0.00	0.00	0.00	308,963,464.52	77,240,866.13	0.00
2011	25.00000%	3.29%	23	4,715,426,611.24	\$295,479,145.03	155,137,535.51	140,341,609.52	4,575,085,001.73	0%	0.00	295,479,145.03	N	295,479,145.03	0.00	0.00	0.00	0.00	0.00	295,479,145.03	73,869,786.26	0.00
2012	25.00000%	2.43%	22	4,575,085,001.73	\$270,933,277.98	111,174,565.54	159,758,712.44	4,415,326,289.29	0%	0.00	270,933,277.98	N	270,933,277.98	0.00	0.00	0.00	0.00	0.00	270,933,277.98	67,733,319.49	0.00
2013	25.00000%	2.84%	21	4,415,326,289.29	\$282,033,088.89	125,395,266.62	156,637,822.27	4,258,688,467.01	0%	0.00	282,033,088.89	N	282,033,088.89	0.00	0.00	0.00	0.00	0.00	282,033,088.89	70,508,272.22	0.00
2014	25.00000%	2.73%	20	4,258,688,467.01	\$279,152,971.21	116,262,195.15	162,890,776.06	4,095,797,690.96	0%	0.00	279,152,971.21	N	279,152,971.21	0.00	0.00	0.00	0.00	0.00	279,152,971.21	69,788,242.80	0.00
2015	25.00000%	2.17%	19	4,095,797,690.96	\$265,350,974.37	88,878,809.89	176,472,164.48	3,919,325,526.48	0%	0.00	265,350,974.37	у	0.00	265,350,974.37	0.00	265,350,974.37	2,879,058.07	268,230,032.45	0.00	0.00	0.00
2016	25.17077%	1.92%	18	3,919,325,526.48	\$259,592,019.83	75,251,050.11	184,340,969.72	3,734,984,556.75	1%	1,761,190.83	257,830,829.00	у	0.00	259,592,019.83	0.00	527,822,052.28	10,134,183.40	537,956,235.68	0.00	0.00	
2017	27.41154%	2.28%	17	3,734,984,556.75	\$267,492,093.24	85,157,647.89	182,334,445.35	3,552,650,111.41	9%	23,532,712.23	243,959,381.01	N	243,959,381.01	0.00	537,956,235.68	0.00	0.00	0.00	734,588,725.15	201,362,082.23	
2018	0.00000%	0.00%	16	3,552,650,111.41	\$222,040,631.96	0.00	222,040,631.96	3,330,609,479.44	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2019	0.00000%	0.00%	15	3,330,609,479.44	\$222,040,631.96	0.00	222,040,631.96	3,108,568,847.48	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2020		0.00%	14	3,108,568,847.48	\$222,040,631.96	0.00	222,040,631.96	2,886,528,215.52	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2021	0.00000%	0.00%	13	2,886,528,215.52	\$222,040,631.96	0.00	222,040,631.96	2,664,487,583.56	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2022	0.00000%	0.00%	12	2,664,487,583.56	\$222,040,631.96	0.00	222,040,631.96	2,442,446,951.59	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2023	0.00000%	0.00%	11	2,442,446,951.59	\$222,040,631.96	0.00	222,040,631.96	2,220,406,319.63	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2024	0.00000%	0.00%	10	2,220,406,319.63	\$222,040,631.96	0.00	222,040,631.96	1,998,365,687.67	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2025	0.00000%	0.00%	9	1,998,365,687.67	\$222,040,631.96	0.00	222,040,631.96	1,776,325,055.70	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2026	0.00000%	0.00%	8	1,776,325,055.70	\$222,040,631.96	0.00	222,040,631.96	1,554,284,423.74	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2027	0.00000%	0.00%	<i>(</i>	1,554,284,423.74	\$222,040,631.96	0.00	222,040,631.96	1,332,243,791.78	#DIV/0!	#DIV/0!	#DIV/0!	N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2028	0.00000%	0.00%	6	1,332,243,791.78	\$222,040,631.96	0.00	222,040,631.96	1,110,203,159.81	#DIV/0!	#DIV/0!	#DIV/0!	N N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2029	0.00000%	0.00%	5	1,110,203,159.81	\$222,040,631.96	0.00	222,040,631.96	888,162,527.85	#DIV/0!	#DIV/0!	#DIV/0!	IV N	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
2030	0.00000%	0.00%	4	888,162,527.85 666,121,895.89	\$222,040,631.96	0.00	222,040,631.96	666,121,895.89 444,081,263.93	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	IN Ni	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	
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2033	0.00000%	0.00%	I	222,040,631.96	\$222,040,631.96	0.00	222,040,631.96	0.00	#טוע/ט!	#DIV/U!	#DIV/0!	IN	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/U!	#טוע/ט!	#DIV/U!	#DIV/0!	#DIV/U!	

Note: This UCG calculation tab is designed by Syncrude and approved by DOE.



Calculated Field for OSR045 GFE	Formula
Monthly Unit Price (can be negative, rounded to 2 decimals)	
Crude Bitumen Unit Price (\$/m³) - AL Sales > or = Threshold%	(Crude Bitumen AL Sales Value - Crude Bitumen AL Handling Charges) / Crude Bitumen AL Sales Volume
Grade Bitumen Onit Frice (\$\psi \text{in} ) - AL Sales > 0 = The Shold \( \text{in} \)	(ie. (TC-HC) / TD )
	(ie. (10-110)/ 1D)
2	(O. 1. D);
Crude Bitumen Unit Price (\$/m³) - No AL Sales	(Crude Bitumen Volume at RCP x Bitumen Adj BVM Price) / Crude Bitumen Volume at RCP
	(ie. (NQ x P) / PQ)
Crude Bitumen Unit Price (\$/m³) - AL Sales < Threshold%	((Crude Bitumen AL Sales Value - Crude Bitumen AL Handling Charges) + ((Crude Bitumen Volume at RCP - Crude
	Bitumen AL Sales Volume) x Bitumen Adj BVM Price)) / Crude Bitumen Volume at RCP
	(ie. ((TC-HC) + ((NQ x P)) / PQ)
Blended Bitumen <blend type(s)=""> Unit Price (\$/m³) - AL Sales &gt; or = Threshold%</blend>	(Blended Bitumen AL Sales Value - Blended Bitumen AL Handling Charges) / Blended Bitumen AL Sales Volume
	(ie. (TC-HC) / TD)
Blended Bitumen <blend type(s)=""> Unit Price (\$/m³) - No AL Sales</blend>	(((Blended Bitumen Volume at RCP - Diluent in Volume at RCP) x Bitumen Adj BVM Price) + Diluent Value in Volume at
	RCP ) / Blended Bitumen Volume at RCP
	(ie.(NQ x P) + CD) / PQ, where NQ is clean bitumen in the blend)
Blended Bitumen <blend type(s)=""> Unit Price (\$/m³) - AL Sales &lt; Threshold%</blend>	(((Blended Bitumen AL Sales Value - Blended Bitumen AL Handling Charges) + ((Blended Bitumen Volume at RCP -
	Blended Bitumen AL Sales Volume - Diluent in Remaining Volume) x Bitumen Adj BVM Price) + Diluent Value in
	Remaining Volume)) / Blended Bitumen Volume at RCP
	(ie. ((TC-HC) + ((NQ x P) + CD)) / PQ , where NQ is clean crude bitumen in a blend
Other Oil Sands Product Unit Price (\$/unit) - AL Sales > or = Threshold%	(Other Oil Sands Products AL Sales Value - Other Oil Sands Products AL Handling Charges) / Other Oil Sands Products
	AL Sales Volume
	(ie. (TC-HC) / TD)
Other Oil Sands Product Unit Price (\$/m³) - No AL Sales	((Other Oil Sands Products Volume at RCP x FMV) / Other Oil Sands Products Volume at RCP
	(ie. (NQ x P) / PQ)
Other Oil Sands Product Unit Price (\$/m³) - AL Sales < Threshold%	((Other Oil Sands Products AL Sales Value - Other Oil Sands Products AL Handling Charges) + ((Other Oil Sands Products
(4,) /2 50.00 /5	Volume at RCP - Other Oil Sands Products AL Sales Volume) x FMV)) / Other Oil Sands Products Volume at RCP
	(ie. ((TC-HC) + (NQ x P)) / PQ)
Formula Legend	TC - total consideration received or receivable in the 3rd party disposition
Torridia Legeria	HC - handling charges in relation to the 3rd party disposition
	TD - 3rd party disposition quantity
	NQ - production quantity at RCP less AL disposition (for Blend, NQ is the clean crude bitumen in a blend)
	P - Bitumen Adj BVM Price or Other Oil Sand Product FMV
	Bitumen Adj BVM Price - bitumen price calculated using BVM Valuation Model and adjusted for quality and transportation
	BVM - Bitumen Valuation Methodology
	PQ - Total volume of oil sands products produced and delivered at the RCP for the month
	CD - Cost of diluent if oil sands product is a blend
Bitumen Adj BVM Price (\$/m³)	Bitumen Hardisty BVM Price - BVM Transportation Allowance - BVM Quality Adjustment
Revenue (can be negative, round to whole value)	
Crude Bitumen Revenue	
	Crude Bitumen Volume at RCP x Crude Bitumen Unit Price when AL Sales > or = Threshold
Condition 1 - If AL Sales meet 3rd Party Disposition Threshold of 40%	Crude Bitumen Volume at RCP x Crude Bitumen Unit Price when No AL Sales
Condition 2 - If no AL Sales	
Condition 3 - If AL Sales are less than 3rd Party Disposition Threshold of 40%	Crude Bitumen Volume at RCP x Crude Bitumen Unit Price when AL Sales < Threshold
Blended Bitumen <blend type(s)=""> Revenue</blend>	
Condition 1 - If AL Sales meet 3rd Party Disposition Threshold of 40%	Blended Bitumen Volume at RCP x Blended Bitumen Unit Price when AL Sales > or = Threshold
Condition 2 - If no AL Sales	Blended Bitumen Volume at RCP x Blended Bitumen Unit Price when No AL Sales
Condition 3 - If AL Sales are less than 3rd Party Disposition Threshold of 40%	Blended Bitumen Volume at RCP x Blended Bitumen Unit Price when AL Sales < Threshold
Other Oil Sands Products Revenue	
Condition 1 - If AL Sales meet 3rd Party Disposition Threshold of 40%	Other Oil Sands Products Volume at RCP x Other Oil Sands Products Unit Price when AL Sales > or = Threshold
Condition 2 - If no AL Sales	Other Oil Sands Products Volume at RCP x Other Oil Sands Products Unit Price when No AL Sales
Condition 3 - If AL Sales are less than 3rd Party Disposition Threshold of 40%	Other Oil Sands Products Volume at RCP x Other Oil Sands Products Unit Price when AL Sales < Threshold
Diluent	
Diluent in Remaining Volume (m <sup>3</sup> )	Diluent in Volume at RCP - Diluent Volume in AL Sales Volume
	Diluent Value in Volume at RCP - Diluent Value in AL Sales Volume  Diluent Value in Volume at RCP - Diluent Value in AL Sales Volume
Diluent Value in Remaining Volume (\$)	
Diluent in AL Sales Unit Price (\$/m³)	Diluent Value in AL Sales Volume / Diluent Volume in AL Sales Volume
Diluent in Volume at RCP Unit Price (\$/m³)	Diluent Value in Volume at RCP / Diluent in Volume at RCP
Costs	
Period Costs	Project Operations (excludes cost of diluent) + Capital + Diluent
Total Allowed Costs Before ARA	Period Costs + Cumulative Balance Carried Forward Upon Payout + Previous Period's Net Loss + Return Allowance from
. 3.5.7	Prev Period's Net Loss + Excess of Prev Period's GRR over NRR
Total Allowed Costs After ARA	Total Allowed Costs Before ARA for the Period - ARA for UGC
Total Other Net Proceeds	Excess of Prev Period's Total Other Net Proceeds over Total Allowed Costs + Earned Proceeds
Allowable Revenue from Other Net Proceeds	Lesser of Total Allowed Costs Before ARA or Total Other Net Proceeds

Alberta Energy 4/0



Some of Process Florence (can be negative)  Some of Process (Comment (can be negative)  Project Revenue (can be negative)	Calculated Field for OSR045 GFE  Excess of Current Period ONP over Total AC Before ARA	Formula  Total Other Net Proceeds for the Period - Total Allowed Costs Before ARA for the Period
Programme Reviewer (can be negative)  Program Reviewer (can be neg	Diluent	Diluent Value in Volume at RCP
Programme Reviewer (can be negative)  Program Reviewer (can be neg		
Programme Reviewer (can be negative)  Program Reviewer (can be neg		Sum of Product Revenues (e.g. Crude Bitumen Revenue + Blended Bitumen Revenue + Other Oil Sands Products
Fingular Reviews to Protect - (Treat Alexand Coord Button ARA for Proced - Alexandra Reviews the Protect Button are equal to 0)  Fingular Reviews to Protect - (Treat Alexand Coord Button ARA for Proced - Alexandra Reviews to Protect - (Treat Alexand Coord Button ARA for Protect - Alexandra Reviews to Protect - (Treat Alexand Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexand Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexand Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexand Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexand Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexand Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexand Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexandra Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexandra Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexandra Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexandra Coord Button ARA for the Protect Alexandra Reviews to Protect - (Treat Alexandra Coord Button ARA for the Protect ARA for	Project Revenue (can be negative)	
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Total Allowed Coasts for Period Shorters for Years — Allowable Roversus for Period Shorters for Period Sho		Project Revenue for Period - (Total Allowed Costs Before ARA for Period - Allowable Revenue from Other Net Proceeds for
Ferrods  Periods  Periods  Periods  Periods  Periods (Carda Alka for the Period (must be greater than or equal to 6)  Periods  Periods (Periods Alka for the Period (must be greater than or equal to 6)  Periods  Periods  Periods  Periods (Periods Alka for the Period (must be greater than or equal to 6)  Periods  Periods  Periods (Periods Alka for the Period (Periods Alka for the Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods (Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods Alka for the Periods (Periods Alka for the Periods (Periods Alka for the Periods A	Net Revenue Before ARA for the Period (must be greater than or equal to 0)	Period)
Parisotic Personal After ARA for the Person (insust be greater than or equal to 0)  The Scale Revenue for Royalty Calculation  The Scale Revenue for Royalty Calculation  Proced Revenue for Royalty Calculation  Revenue for Royalty Calculation Revenue - Total Diluxer Cost in the Blend + Total Cohe OS  Revenue Royalty Staffer ARA prounded to whole value)  Revenue Royalty Staffer ARA prounded to whole value)  Revenue Royalty Calculation R <sub>1</sub> /6/Factor x Net Revenue Alter ARA / Cross Revenue  Revenue Royalty (rounded to whole value)  Revenue of Royalty Calculation A R <sub>1</sub> /6 factor A Net Revenue Alter ARA / Cross Revenue  R <sub>1</sub> /6 Factor (published by DOE)  R <sub>2</sub> /6 Factor (published by DOE)  R <sub>3</sub> /6 Factor (published by DOE)  R <sub>4</sub> /6 Factor (published by DOE)  R <sub>5</sub> /6 Factor (published by	Net Loss Before ARA for the Period (must be greater than or equal to 0)	
Parisotic Personal After ARA for the Person (insust be greater than or equal to 0)  The Scale Revenue for Royalty Calculation  The Scale Revenue for Royalty Calculation  Proced Revenue for Royalty Calculation  Revenue for Royalty Calculation Revenue - Total Diluxer Cost in the Blend + Total Cohe OS  Revenue Royalty Staffer ARA prounded to whole value)  Revenue Royalty Staffer ARA prounded to whole value)  Revenue Royalty Calculation R <sub>1</sub> /6/Factor x Net Revenue Alter ARA / Cross Revenue  Revenue Royalty (rounded to whole value)  Revenue of Royalty Calculation A R <sub>1</sub> /6 factor A Net Revenue Alter ARA / Cross Revenue  R <sub>1</sub> /6 Factor (published by DOE)  R <sub>2</sub> /6 Factor (published by DOE)  R <sub>3</sub> /6 Factor (published by DOE)  R <sub>4</sub> /6 Factor (published by DOE)  R <sub>5</sub> /6 Factor (published by		Project Revenue for Period - (Total Allowed Costs After ARA for Period - Allowable Revenue from Other Net Proceeds for
Stocked Correct Period CRR own NRR Before ARA (carry forward to next period)  Tool Club Blance Revenue = Total Bland Slames Revenue = Total Dlaws Cost in the Service Total Other CS Product Revenue for Royalty Calculation  Nee Product Revenue for royalty must be greater than or equal to zero. Dilated Value for royalty must be less than or equal to the file of revenue for royalty must be greater than or equal to zero. Dilated Value for royalty must be less than or equal to zero. Dilated Value for royalty must be less than or equal to zero. Dilated Value for royalty must be less than or equal to zero. Dilated Value for royalty must be less than or equal to zero. Dilated Value for royalty must be less than or equal to zero. Dilated Value for royalty must be less than or equal to zero. Dilated Value for royalty Calculation x H <sub>0</sub> -N-Factor s har Revenue ARA / Gross Revenue  Nee Revenue Royalty Other ARA (rounded to whole value)  Revenue for Royalty Calculation x R <sub>0</sub> -N-Factor s har Revenue ARe ARA / Gross Revenue  Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue  Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue  Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue  Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue  Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue  Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue  Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue  Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue  Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue  Royalty Royalty Are Royalty Calculation x R <sub>0</sub> -N-Factor s New Revenue ARe ARA / Gross Revenue ARe ARA / Gro	Net Revenue After ARA for the Period (must be greater than or equal to 0)	
Revenue for Royalty Calculation  Note: Product Revenue for royalty must be greater than or equal to zero. Discent value for royalty must be less than or equal to the Blend revenue for royalty must be greater than or equal to zero. Discent value for royalty must be less than or equal to the Blend revenue for royalty.  Note: Product Revenue for Royalty Calculation x R <sub>4</sub> XFactor x Net Revenue Before ARA (cross Revenue  Revenue for Royalty Calculation x R <sub>4</sub> XFactor x Net Revenue After ARA (cross Revenue  Royalty (candidate to whole value)  Revenue for Royalty Calculation x R <sub>4</sub> XFactor x Net Revenue After ARA (cross Revenue  Royalty (candidate by DDE)  R <sub>4</sub> XFactor (published by DDE)  R <sub>5</sub> XFactor (p	Excess of Current Period GRR over NRR Before ARA (carry forward to next period)	
than or equal to the Blend revenue for royalty.  Revenue Royalty Before ARA (rounded to whole value)  Revenue Royalty Calculation x R <sub>2</sub> /K-Eactor x Not Revenue Before ARA / Gross Revenue  Revenue Royalty (counded to whole value)  Revenue for Royalty Calculation x R <sub>2</sub> /K-Eactor x Not Revenue ARA / Gross Revenue  Revenue Royalty (counded to whole value)  Revenue for Royalty Calculation x R <sub>2</sub> /K-Eactor x Not Revenue ARA / Gross Revenue  Revenue Royalty (counded to whole value)  Revenue for Royalty Calculation x R <sub>2</sub> /K-Eactor x Not Revenue ARA / Gross Revenue  Royalty (counded to whole value)  Revenue for Royalty Calculation x R <sub>2</sub> /K-Eactor x Not Revenue ARA / Gross Revenue  As in the Keeper of the WT price to the they are containing the Period and \$120 per berrie:  As in the Keeper of the WT price to the they are containing the Period and \$120 per berrie:  By K-K-Eactor (Counded to whole value)  R <sub>2</sub> /K-K-Eactor X-RA / (Revenue ARA / Gross Revenue  R <sub>2</sub> /K-K-Eactor X-RA / (Revenue ARA / Gross Revenue  By K-K-Eactor (Revenue ARA / Gross Revenue ARA / Gross Revenue  By K-K-Eactor (Revenue ARA / Gross Revenue	Revenue for Royalty Calculation	
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Revenue for Royalty Calculation x R <sub>2</sub> % Factor x Net Revenue After ARA / Gross Revenue  Revenue for Royalty Calculation x R <sub>2</sub> % Factor (published by DOE)  R <sub>2</sub> % Factor (published by DOE)  R <sub>3</sub> % Factor (published by DOE)  R <sub>4</sub> % Factor (published by DOE)  R <sub>4</sub> % Factor (published by DOE)  R <sub>5</sub> % Factor (published by DOE)  R <sub>6</sub> % Factor (published by DOE)  R <sub>7</sub> % Factor (published by DOE)  R <sub>8</sub> % Fact		
Revenue for Royalty Calculation x R <sub>2</sub> % Factor x Net Revenue After ARA / Gross Revenue  Revenue for Royalty Calculation x R <sub>2</sub> % Factor (published by DOE)  R <sub>2</sub> % Factor (published by DOE)  R <sub>3</sub> % Factor (published by DOE)  R <sub>4</sub> % Factor (published by DOE)  R <sub>4</sub> % Factor (published by DOE)  R <sub>5</sub> % Factor (published by DOE)  R <sub>6</sub> % Factor (published by DOE)  R <sub>7</sub> % Factor (published by DOE)  R <sub>8</sub> % Fact	Net Revenue Royalty Refore ARA (rounded to whole value)	Revenue for Royalty Calculation x R <sub>N</sub> %Factor x Net Revenue Before ARA / Gross Revenue
Revenue For Royalty (rounded to whole value)  Revenue For Royalty Calculation x R <sub>0</sub> %  R <sub>0</sub> % Factor (published by DOE)  R <sub>0</sub> % Factor x RR / GR, where R <sub>0</sub> % is the lesser of A for that year and 555 per barrel.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Coven's royalty share of the quantity expressed as a percentage.  R <sub>0</sub> % is the Revenue Royalty share and \$120 per barrel.  Annual Royalty  Annual Royalty  Annual Royalty is the greater of the greater of the greater of the Revenue Royalty and the Net Revenue Royalty all restart annual Royalty payable. If Gross Revenue Royalty and the Net Revenue Royalty is greater than Net Revenue Royalty payable is the Gross Revenue Royalty and the Net Revenue Royalty is greater than Net Revenue Royalty payable is the Gross Revenue Royalty is greater than Net Revenue Royalty share RAA = (R <sub>0</sub> % Factor x Net Revenue Royalty installments Chapped Installment Calculation of the annual royalty payable is the Gross Revenue to Date) - Cumulative Royalty inst	Het Nevenue Noyalty Delote ANA (Tourided to Whole Value)	The state of the s
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R,% is the Crown's royalty share of the quantity expressed as a percentage;  Fo is 8% divided by \$65 per barrel;  A is the lesser of the WTI price for the year containing the Period and \$120 per barrel;  B is the lesser of A for that year and \$55 per barrel.  Annual Royalty is the greater of the Gross Revenue Royalty and the Net Revenue Royalty After ARA amount.  This is the installment calculation of the annual royalty payable. If Gross Revenue Royalty after ARA amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue Royalty amount, otherwise, the annual royalty payable is the Gross Revenue to Date   - Cumulative Royalty   Installment to Payable   Gross Revenue After ARA / Gross Revenue) x Monthly Gross Revenue Royalty Installments Charged Monthly Gross Revenue to Date   - Cumulative Royalty   Installments Charged Monthly Gross Revenue to Date   - Cumulative Royalty   Installments Payable   Gross Revenue Royalty Installment Calculated   The Payable   Gross Royalty Installment Calculated   The Production month is the same as the report month.  The Royalty Installment Payable is the same as the Royalty Installment Payable is the Royalty Installment Payable for that month is \$0.  If the Royalty Installment Calculated for a month is a negative amount, the Royalty Installment Payable for that month is \$0.	P. % (nublished by DOE)	P. %-1% + [F. (A - P)] whore
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		from that production month's report month.
Cumulative Royalty Installments  Cumulative Royalty Installments charged + Current Month Royalty Installment Payable		
	Cumulative Royalty Installments	Curriulative Royalty Installments charged + Current Month Royalty Installment Payable

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