



April 1, 2021

VIA ELECTRONIC FILING

The Honorable Kimberly D. Bose
Office of the Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

**Re: *GridLiance Heartland LLC*, Docket No. ER21-____-000
 Revisions to GridLiance Heartland's Income Tax Allowance Recovery**

Dear Secretary Bose:

Pursuant to Section 205 of the Federal Power Act,¹ the Midcontinent Independent System Operator, Inc. (MISO) submits this filing, on behalf of GridLiance Heartland LLC (GridLiance Heartland), in its role as administrator of the MISO Open Access Transmission, Energy and Operating Reserve Markets Tariff (Tariff),² to revise the mechanism for recovery of GridLiance Heartland's income tax allowance in its formula rate template. GridLiance Heartland currently recovers a fixed percentage of its income tax allowance pursuant to an uncontested settlement agreement reached in Docket No. ER19-2488. As required in that settlement, GridLiance Heartland now proposes to revise its income tax allowance recovery mechanism to reflect an upstream change in control that has materially impacted GridLiance Heartland's corporate tax liability. GridLiance Heartland respectfully requests an effective date of May 31, 2021 for the tariff revisions proposed in this compliance filing.³

I. BACKGROUND

In *United Airlines, Inc. v. FERC*, the D.C. Circuit stated its concern regarding the potential for double recovery when Master Limited Partnerships recover both an income tax allowance and a return on equity determined pursuant to the Commission's discounted cash flow methodology.⁴ Following that decision, the Commission revisited its policy and stated that any pass-through entity that does not incur income taxes at the entity level will need to address this double recovery concern by demonstrating that its upstream owners have an actual or potential income tax liability based upon their interest in the pass-through entity.⁵ A pass-through entity is entitled to fully recover its income tax allowance if that entity

¹ 16 U.S.C. § 824d.

² MISO makes this filing as administrator of its Tariff but takes no position on the substance of this filing and reserves the right to comment or protest.

³ GridLiance Heartland is making a concurrent formula rate filing for facilities under its Open Access Transmission Tariff.

⁴ *United Airlines, Inc. v FERC*, 827 F.3d 122 (D.C. Cir. 2016) (*United Airlines*).

⁵ See, e.g., *Inquiry Regarding Tax Allowances*, 111 FERC ¶ 61,139 (2005) (2005 Policy Statement).

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demonstrates that its upstream owner is a C corporation ("C-Corp") or if that entity converts to a C-Corp for purposes of federal income taxation.⁶

On January 29, 2019, in Docket No. ER18-2342, the Commission issued an order that approved GridLiance Heartland's formula rate template, subject to compliance, and set GridLiance Heartland's income tax allowance for hearing and settlement proceedings.⁷ The Commission found that GridLiance Heartland is a pass-through entity ultimately owned by a partnership and that its recovery of an income tax allowance may cause the same double recovery of income taxes described in the *United Airlines* decision. Thus, the Commission found that GridLiance Heartland's income tax allowance may be unjust and unreasonable. The Commission also initiated a Section 206 investigation into the income tax allowances of GridLiance Heartland's affiliates, GridLiance High Plains LLC (GridLiance HP) and GridLiance West LLC (GridLiance West), in Docket No. EL19-29, and consolidated the two dockets.

On December 19, 2019, the Commission approved an uncontested settlement in the consolidated dockets that resolved the sole issue set for hearing and settlement; that is, the income tax allowance in the formula rate templates for GridLiance Heartland, GridLiance HP, and GridLiance West (collectively, the GridLiance Transcos).⁸ As part of the settlement, the GridLiance Transcos agreed to fix the income tax allowance in their respective formula rates to 72.13 percent through June 30, 2020, and then to 53.29 percent effective July 1, 2020.⁹ The settlement included a moratorium that prevented any party from seeking to change or challenge the settled income tax allowance percentages until the end of the challenge period for the rate year 2021 annual true-up for each Transco. Notably, the settlement also stated that "[n]otwithstanding the moratorium period . . . GridLiance shall revise its [income tax allowance] at the next possible opportunity through the relevant Transco's formula rate protocols in the event (i) there is an election of a different corporate structure (*i.e.*, from LLC to C-Corp) or (ii) there is an upstream change in control that materially impacts the underlying basis for the Black Box ITA."¹⁰

On March 18, 2021, in Docket No. EC21-10, the Commission conditionally approved a transaction in which NextEra Energy Transmission, LLC ("NEET") acquired 100 percent of the upstream ownership interests in the GridLiance Transcos from Blackstone.¹¹ On March 26, 2021, the Commission accepted the associated compliance filing.¹² NEET is a wholly owned, indirect subsidiary of NextEra Energy, Inc.

⁶ See, *e.g.*, *Republic Transmission, LLC*, 167 FERC ¶ 61,215, at P 17 (2019) (approving Republic Transmission, LLC's proposal to recover an income tax allowance in its formula rate for its upstream owner's tax share where the upstream owner has elected to be classified as a corporation for U.S. federal income tax purposes).

⁷ *GridLiance Heartland LLC, GridLiance High Plains LLC, and GridLiance West LLC*, 166 FERC ¶ 61,067 (2019) (January 29 Order).

⁸ *GridLiance Heartland LLC et al.*, 169 FERC ¶ 61,206 (2019).

⁹ *GridLiance Heartland LLC, GridLiance High Plains LLC and GridLiance West LLC*, Offer of Settlement and Settlement Agreement (Docket No. ER19-2488), July 29, 2019 (Uncontested Settlement).

¹⁰ See Uncontested Settlement at § 2.3.

¹¹ *NextEra Energy Transmission, LLC*, Order Conditionally Authorizing Acquisition and Disposition of Jurisdictional Facilities, 174 FERC ¶ 61,215 (2021).

¹² *NextEra Energy Transmission, LLC*, Order Accepting Compliance Filing, 174 FERC ¶ 62,183 (2021).

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("NextEra"). NextEra is a C-Corp for federal taxation purposes. The transaction closed on March 31, 2021.¹³

II. DOCUMENTS SUBMITTED

GridLiance Heartland encloses the following documents.

1. This transmittal letter;
2. Clean version of GridLiance Heartland's formula rate template reflecting the revisions discussed herein (in PDF format) (**Attachment 1**);
3. Redlined version of GridLiance Heartland's formula rate template reflecting the revisions discussed herein (in PDF format) (**Attachment 2**)¹⁴; and
4. Clean version of formula rate template in native Excel format (**Attachment 3A**) and populated with Rate Year 2021 projection data, submitted for informational purposes only (**Attachment 3B**).

III. CORRESPONDENCE

Copies of correspondence regarding this filing should be served to the following persons:

Jeffrey Small
Midcontinent Independent System Operator, Inc.
720 City Center Drive
Carmel, Indiana 46032
Telephone: (317) 249-5400
Facsimile: (317) 752-7149
jsmall@misoenergy.com

Kathryn L. Patton
Gregory D. Jones
GridLiance Heartland LLC
201 E. John Carpenter Freeway, Suite 900
Irving, TX 75062
Telephone: (972) 476-0154
kpatton@gridliance.com
gjones@gridliance.com

IV. SERVICE

MISO has served a copy of this filing, including all attachments, electronically upon all persons on the official service list in these proceedings, all of its Tariff customers, MISO Members, Member representatives of Transmission Owners and Non-Transmission Owners, as well as all state commissions within the Region, and the Organization of MISO States. In addition, the filing has been posted

¹³ See Notice of Consummation of NextEra Energy Transmission, LLC, et al., Docket No. EC21-10-000 (submitted April 1, 2021).

¹⁴ Language currently pending before the Commission in the following, unrelated dockets is highlighted in yellow: ER20-1669-000; ER20-3034-000; ER19-2050-004; ER20-1050-000. MISO requests that the Commission treat such highlighted language as subject to the outcomes of those pending proceedings. MISO commits to file any revisions to this highlighted language as necessary to comply with any Commission orders in those proceedings.

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electronically on MISO's website at www.misoenergy.org under the heading "Filings to FERC" for other interested parties in this matter.

V. DESCRIPTION OF TARIFF REVISIONS

Pursuant to Section 2.3 of the Uncontested Settlement, GridLiance Heartland is obligated to adjust the mechanism in its formula rate template to recover its income tax allowance if one of two conditions occurs. Specifically, GridLiance Heartland "shall revise its income tax allowance at the next possible opportunity" if "there is an upstream change in control that materially impacts the underlying basis" for the settled income tax allowance percentages. NEET's acquisition of 100 percent of the upstream ownership interests in the GridLiance Transcos satisfies this condition. GridLiance Heartland became a wholly-owned, indirect subsidiary of NextEra, a C-Corp subject to federal corporate income taxes, effective March 31, 2021. GridLiance Heartland's upstream owner has an actual or potential income tax liability based upon its ownership of GridLiance Heartland, and GridLiance Heartland is required, pursuant to the express terms of the Uncontested Settlement, to revise its formula rate template to allow for 100 percent recovery of GridLiance Heartland's income tax allowance. Per GridLiance Heartland's formula rate protocols, this change to the template must be undertaken through a Section 205 filing with the Commission. Finally, it is worth noting that the Uncontested Settlement permitted the GridLiance Transcos to unilaterally elect to reorganize as C-Corp at any time, which would have triggered this same filing obligation, even in the absence of the NextEra transaction.¹⁵

In accordance with Commission policy, GridLiance Heartland is making the necessary revisions to the version of its formula rate tariff that is currently on file with the Commission. That version of the template was approved January 31, 2020, in Docket No. ER20-520. MISO has since filed numerous tariff revision filings on behalf of GridLiance Heartland.¹⁶ As a result, the version of the template currently on file is out-of-date. To aid in the Commission's review and for the avoidance of any confusion as to the proposed revisions in this filing, GridLiance Heartland limited its revisions to those needed to facilitate the proper recovery of its income tax allowance. To ensure that the version of the template filed in the instant docket is fully up-to-date, if approved, GridLiance Heartland commits to submit a compliance filing in this docket to facilitate the changes to the template that are accepted in these predecessor pending filings.

¹⁵ GridLiance Heartland commits to use its annual true-up mechanism to collect any under-recovery of its rates for RY2021 rather than implement a mid-year adjustment to its rates. That is, GridLiance Heartland will collect the under-recovery through its RY2021 True-Up.

¹⁶ These filings include: (1) a February 19, 2020 compliance filing in Docket No. ER19-2050 to fix GridLiance Heartland's income tax allowance at 72.13%; (2) a February 21, 2020 filing in Docket No. ER20-1050 to comply with directives from the Commission's order approving GridLiance Heartland's acquisition of certain assets; (3) an April 28, 2020 filing in Docket No. ER20-1669 to fix GridLiance Heartland's income tax allowance at 52.39% effective July 1, 2020; and (4) a September 28, 2020 compliance filing in Docket No. ER20-3034 to revise the calculation of GridLiance Heartland's accumulated deferred income taxes to comply with the Commission's Order No. 864, effective December 1, 2020.

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The specific revisions to the GridLiance Heartland formula rate template proposed in this filing are set forth below:

- Delete Attachment 9 – Income Tax Allowance and Attachment 9a – Actual Ownership. These two attachments are no longer needed because NextEra is a C-Corp subject to federal corporate income taxes and GridLiance Heartland, as its indirect subsidiary, is required to revise its formula rate template to allow for 100 percent recovery of GridLiance Heartland's income tax allowance.
- Change the description and the Income Tax formula on page 3 of 4, line 21, in Attachment O, and revise the formula to remove the reference to the deleted Attachments 9 and 9a. The revised formula in column (3) calculates the effective income tax rate (T) based on the applicable Federal Income Tax Rate, the State Income Tax (or Composite SIT) and the percent of federal income tax deductible for state purposes.
- Remove the references to Attachment 9 from Footnote K of Attachment O and replace them with input cells.
- Revise Attachment 8h, lines 10 and 13, to delete the current references to Attachment 9 and allow for the input of a zero percent rate for Tax Exempt Ownership (to reflect the corporate ownership by NextEra and 100 percent income tax allowance recovery) and the corresponding State Benefit of Federal Rate (SBOF) for both the Pre and Post Tax Rate columns.
- Clean-up change to footnote OO in Attachment O that acknowledges the date of the FERC Order in Docket No. EC20-13, which was missing from the current version of GridLiance Heartland transmission formula rate template.

VI. Effective Date

Consistent with the discussion herein, GridLiance Heartland requests an effective date of May 31, 2021, which is 60 days from the date of this filing.

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VII. Conclusion

Wherefore, for the foregoing reasons, GridLiance Heartland respectfully requests that the Commission accept the proposed tariff records filed herein.

Respectfully submitted,

/s/ Kathryn L. Patton

Kathryn L. Patton
Gregory D. Jones
GridLiance Heartland LLC
201 E. John Carpenter Freeway
Suite 900
Irving, TX 75062
972-476-0154
kpatton@gridliance.com
gjones@gridliance.com
Counsel for GridLiance Heartland LLC

Attachment 1 - Clean Tariff Sheets

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GridLiance Heartland Rate Formula Template
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Attachment O – GLH

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For the 12 months ended 12/31/____

Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Lin e No.	(1)	(2)	(3)	(4)	(5)
		Source			Allocated Amount
1	GROSS REVENUE REQUIREMENT	(Page 3, Line 31)			\$ -
	REVENUE CREDITS	(Note S)	Total	Allocator	
2	Account No. 454	(Page 4, Line 34)	-	DA 1.00	-
2a	Account No. 456	(Page 4, Line 34a)	-	DA 1.00	-
3	Account No. 456.1	(Page 4, Line 37)	-	DA 1.00	-
4	Revenues from Grandfathered Interzonal Transactions	(Note R)	-	DA 1.00	-
5	Revenues from service provided by the ISO at a discount	MISO invoices	-	DA 1.00	-
6	TOTAL REVENUE CREDITS	(Sum of Lines 2 through 5)			-
6a	Adjustment to make Line 6b equal to zero if there is no revenue requirement associated with Schedules 7, 8 & 9				-
6b	NET REVENUE REQUIREMENT	(Line 1 minus Lines 6 & 6a) (Note KK)			\$ -
6c	Attachment O-GLH True-up Adjustment with Interest	Attachment 3, Page 1, Line 3, Col. (G)	-	DA 1.0000 0	-
7	NET REVENUE REQUIREMENT	(Line 6b plus Line 6c)			\$ -
	DIVISOR				
8	Average of 12 coincident system peaks for requirements (RQ) service			(Note A)	-
9	Plus 12 CP of firm bundled sales over one year not in Line 8			(Note B)	-
10	Plus 12 CP of Network Load not in Line 8			(Note C)	-

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11	Less 12 CP of firm P-T-P over one year (enter negative)		(Note D)	-	
12	Plus Contract Demand of firm P-T-P over one year			-	
13	Less Contract Demand from Grandfathered Interzonal Transactions over one year (enter negative)		(Note R)	-	-
14	Less Contract Demands from service over one year provided by ISO at a discount (enter negative)			-	-
15	Divisor (sum Lines 8-14)			-	
16	Annual Cost (\$/kW/Yr)	(Line 7 / Line 15)		-	
17	Network & P-to-P Rate (\$/kW/Mo)	(Line 16 / 12)		-	
			Peak Rate		Off-Peak Rate
18	Point-To-Point Rate (\$/kW/Wk)	(Line 16 / 52; Line 16 / 52)	-	-	
19	Point-To-Point Rate (\$/kW/Day)	(Line 16 / 260; Line 16 / 365)	-	Capped at weekly rate	-
20	Point-To-Point Rate (\$/MWh)	(Line 16 / 4,160; Line 16 / 8,760 times 1,000)	-	Capped at weekly and daily rates	-
21	FERC Annual Charge(\$/MWh)	(Note E)	-	Short Term	-
22			-	Long Term	-

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Attachment O – GLH

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For the 12 months ended 12/31/____

Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

	(1)	(2)	(3)		(4)	(5)
Line		Source	Company Total	Allocator (Note JJ)		Transmission (Col 3 times Col 4)
No.	RATE BASE: (Notes Y & BB)					
	GROSS PLANT IN SERVICE					
1	Production	Attachment 4, Line 14, Col. (b)	-	NA	-	-
2	Transmission	Attachment 4, Line 14, Col. (c)	-	TP	-	-
3	Distribution	Attachment 4, Line 14, Col. (d)	-	NA	-	-
4	General & Intangible	Attachment 4, Line 14, Col. (e)	-	W/S	-	-
5	Common	Attachment 4, Line 14, Col. (f)	-	CE	-	-
6	TOTAL GROSS PLANT	(Sum of Lines 1 through 5)	-	GP=	-	-
	ACCUMULATED DEPRECIATION					
7	Production	Attachment 4, Line 14, Col. (k)	-	NA	-	-
8	Transmission	Attachment 4, Line 14, Col. (l)	-	TP	-	-
9	Distribution	Attachment 4, Line 14, Col. (m)	-	NA	-	-
10	General & Intangible	Attachment 4, Line 14, Col. (n)	-	W/S	-	-
11	Common	Attachment 4, Line 14, Col. (o)	-	CE	-	-
12	TOTAL ACCUM. DEPRECIATION	(Sum of Lines 7 through 11)	-			-
	NET PLANT IN SERVICE					
13	Production	(Line 1 - Line 7)	-			-
14	Transmission	(Line 2 - Line 8)	-			-
15	Distribution	(Line 3 - Line 9)	-			-
16	General & Intangible	(Line 4 - Line 10)	-			-
17	Common	(Line 5 - Line 11)	-			-
18	TOTAL NET PLANT	(Sum of Lines 13 through 17)	-	NP=	-	-

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18a	CWIP Approved by FERC Order	Attachment 4, Line 14, Col. (g) (Note LL)	-	DA	1.00000	-
ADJUSTMENTS TO RATE BASE						
19	Reserved		-	NA	zero	-
20	Reserved		-	NA	zero	-
21	Reserved		-	NA	zero	-
22	ADIT	Attachment 8a or 8e, line 8, Col (e)	-	NP	---	-
23	Account No. 255 (enter negative)	Attachment 4, Line 28, Col. (h) (Note F)	-	NP	-	-
23a	Unamortized Regulatory Asset	Attachment 4, Line 28, Col. (b) (Note GG)	-	DA	1.00000	-
23b	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Notes X & FF)	-	DA	1.00000	-
23c	Unfunded Reserves (enter negative)	Attachment 4, Line 31, Col. h)	-	DA	1.00000	-
24	TOTAL ADJUSTMENTS	(Sum of Lines 19 through 23c)	-			-
25	LAND HELD FOR FUTURE USE	Attachment 4, Line 14, Col. (h) (Note G)	-	TP	-	-
WORKING CAPITAL						
26	CWC	(Note H) 1/8*(Page 3, Line 8 minus Page 3, Line 7b)	-			-
27	Materials & Supplies	Attachment 4, Line 14, Col. (i) (Note G)	-	TP	-	-
28	Prepayments (Account 165)	Attachment 4, Line 14, Col. (j)	-	GP	-	-
29	TOTAL WORKING CAPITAL	(Sum of Lines 26 through 28)	-			-
30	RATE BASE	(Sum of Lines 18, 18a, 24, 25 & 29)	-			-

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Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Line	(1)	(2)	(3)	(4)	(5)
					Transmission
No.		Source	Compa ny Total	Allocator (Note JJ)	(Col 3 times Col 4)
	O&M	(Note CC)			
1	Transmission	Attachment 5, Line 13, Col. (a)	-	TP	-
1a	Less Ancillary Service Expenses included in Transmission O&M Accounts (Note U)	Attachment 5, Line 13, Col. (l)	-	TP	-
1b	Less Account 566	Attachment 5, Line 13, Col. (b)	-	TP	-
2	Less Account 565	Attachment 5, Line 13, Col. (c)	-	TP	-
3	A&G	Attachment 5, Line 13, Col. (d)	-	W/S	-
4	Less FERC Annual Fees	Attachment 5, Line 13, Col. (e)	-	W/S	-
5	Less EPRI & Reg. Comm. Exp. & Non- safety Ad.	(Note I) Attachment 5, Line 13, Col. (f)	-	W/S	-
5a	Plus Transmission Related Reg. Comm. Exp.	(Note I) Attachment 5, Line 13, Col. (g)	-	TP	-
5b	Less PBOP Expense in Year	Attachment 7, Line 6	-	W/S	-
5c	Plus PBOP Expense Allowed Amount	Attachment 7, Line 8	-	W/S	-
6	Common	356.1	-	CE	-
7	Transmission Lease Payments	Attachment 5, Line 13, Col (h)	-	DA	1.0000
7a	Account 566				
7b	Amortization of Regulatory Asset	(Note GG) Attachment 5, Line 13, Col. (i)	-	DA	1.0000
7c	Miscellaneous Transmission Expense (less Amortization of Regulatory Asset)	Attachment 5, Line 13, Col .(j)	-	TP	-
7d	Total Account 566	(Line 7b plus Line 7c) Ties to 321.97.b			-

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			-				
8	TOTAL O&M	(Sum of Lines 1, 3, 5a, 5c, 6, 7, & 7d less Lines 1a, 1b, 2, 4, 5, & 5b)	-				-
	DEPRECIATION EXPENSE	(Note BB)					
9	Transmission	Attachment 5, Line 13, Col. (k)	-	TP	-		-
10	General & Intangible	Attachment 5, Line 26, Col. (a)	-	W/S	-		-
11	Common	Attachment 5, Line 26, Col (l)	-	CE	-		-
11a	Amortization of Abandoned Plant	(Notes X & FF) Attachment 5, Line 26, Col. (b)	-	DA	1.0000		-
12	TOTAL DEPRECIATION	(Sum of Lines 9 through 11a)	-				-
	TAXES OTHER THAN INCOME TAXES	(Note J)					
	LABOR RELATED						
13	Payroll	Attachment 5, Line 26, Col. (c)	-	W/S	-		-
14	Highway and vehicle	Attachment 5, Line 26, Col. (d)	-	W/S	-		-
15	PLANT RELATED						
16	Property	Attachment 5, Line 26, Col. (e)	-	GP	-		-
17	Gross Receipts	Attachment 5, Line 26, Col. (f)	-	NA	zero		-
18	Other	Attachment 5, Line 26, Col. (g)	-	GP	-		-
19	Payments in lieu of taxes	Attachment 5, Line 26, Col. (h)	-	GP	-		-
20	TOTAL OTHER TAXES	(Sum of Lines 13 through 19)	-				-
	INCOME TAXES	(Note K)					
							-
21	$T=1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\}$		(Note K)				
22	$\text{CIT}=(T/1-T) * (1-(\text{WCLTD}/R)) =$		$\text{WCLTD} = \text{Page 4, Line 27}; R = \text{Page 4, Line 30}$				

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			-			
	FIT, SIT & p	(Note K)				
23	$1 / (1 - T) =$ (from Line 21)	$1 / (1 - T)$ (T from Line 21)	-			
24	Amortized Investment Tax Credit	(enter negative) Attachment 5, Line 26, Col. (i)	-			
24a	(Excess)/Deficient Deferred Income Taxes	Attachment 8g, Line 4, Col. (K)	-			
24b	Tax Effect of Permanent Differences	Attachment 5, line 26, Col. (k) (Note II)	-			
25	Income Tax Calculation	(Line 22) times (Page 4, Line 30) times (Page 2, Line 30)	-			-
26	ITC adjustment	(Line 23 times Line 24)	-	NP	-	-
26a	(Excess)/Deficient Deferred Income Tax Adjustment	(Line 23 times Line 24a)	-	NP	-	-
26b	Permanent Differences Tax Adjustment	(Line 23 times Line 24b)	-	NP	-	-
27	Total Income Taxes	(Sum of Lines 25 through 26b)	-			-
	RETURN					
28	Rate Base times Return	(Page 2, Line 30 times Page 4, Line 30, Col. (5))	-	NA		-
29	REV. REQUIREMENT	(Sum of Lines 8, 12, 20, 27 & 28)	-			-

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30 LESS ATTACHMENT GG ADJUSTMENT [Attachment GG-GLH, Page 2, Line 17, Column 14] (Note V)
[Revenue Requirement for facilities included on Page 2, Lines 2, 18a, 23a, & 23b and

also included in Attachment GG]

-	DA	1.0000	-
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30a LESS ATTACHMENT MM ADJUSTMENT [Attachment MM-GLH, Page 2, Line 17, Column 14] (Note Z)
[Revenue Requirement for facilities included on Page 2, Lines 2, 18a, 23a, & 23b and

also included in Attachment MM]

-	DA	1.0000	-
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30b PLUS Incentives on Attachment 1 for projects other than those
included in Attachment MM-GLH and Attachment GG-GLH.

Attachment 1, line 18

-			-
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30c Plus: Regulatory Adjustment

(Note OO)

-	DA	1.0000	-
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31 REV. REQUIREMENT TO BE COLLECTED UNDER
ATTACHMENT O
(Line 29 - Line 30 - Line 30a + Line 30b + Line 30c)

-			-
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Attachment O – GLH

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Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

(1)

(2)

(3)

(4)

(5)

**SUPPORTING
CALCULATIONS AND NOTES**

Line No.	TRANSMISSION PLANT INCLUDED IN ISO RATES					
1	Total Transmission plant	(Page 2, Line 2, Column 3)			-	
2	Less Transmission plant excluded from ISO rates	(Note L)			-	
3	Less Transmission plant included in OATT Ancillary Services	(Note M)			-	
4	Transmission plant included in ISO rates	(Line 1 minus Lines 2 & 3)			-	
5	Percentage of Transmission plant included in ISO Rates	(Line 4 divided by Line 1)			TP=	-
6 - 11	WAGES & SALARY ALLOCATOR (W&S)					
		Form 1 Reference	\$	TP	Allocation	
12	Production	354.20.b	-	-	-	
13	Transmission (Note MM)	354.21.b	-	-	-	
14	Distribution	354.23.b	-	-	-	GP (\$ / Allocation)
15	Other	354.24,25,26.b	-	-	-	
16	Total (sum lines 12-15) [If there are no labor dollars, input \$1 on line 13 which is then multiplied by the TP allocator on line 13]		-		-	= - = WS
	COMMON PLANT ALLOCATOR (CE) (Notes N and DD)		\$		% Electric	W&S Allocator

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17	Electric	200.3.c	-	(Line 17 / Line 20)	(Line 16)	CE
18	Gas	200.3.d	-	-	*	- = -
19	Water	200.3.e	-			
20	Total	(Sum of Lines 17 through 19)	-			
21 - 26	RETURN (R)					
				Cost	\$	
			\$ %		Weighted	
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34	- -	-	-	=WCLTD
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	- -	-	-	
29	Common Stock	(Notes O, Y and EE) Attachment 5, Line 36	- -	0.00%	-	
30	Total	(Sum of Lines 27 through 29)	-		0.00%	=R
	REVENUE CREDITS					
					Load	
	ACCOUNT 447 (SALES FOR RESALE)	310 -311				
31	a. Bundled Non-RQ Sales for Resale	311.x.h			-	
32	b. Bundled Sales for Resale included in Divisor on Page 1				-	
33	Total of (a)-(b)	(Note P)			-	
34	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)	(Note Q)			-	
34a	Account 456 (OTHER ELECTRIC REVENUES)	(Note NN)			-	
	ACCOUNT 456.1 (REVENUES FROM TRANSMISSION OF ELECTRICITY OF	330.x.n (Note T)				

	OTHERS)		
35	a. Transmission charges for all transmission transactions		-
36	b. Transmission charges for all transmission transactions included in Divisor on Page 1		-
36a	c. Transmission charges from Schedules associated with Attachment GG	(Note W)	-
36b	d. Transmission charges from Schedules associated with Attachment MM	(Note AA)	-
37	Total of (a)-(b)-(c)-(d)		-

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Attachment O-GLH

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Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/____

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)
References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Note Letter

- A Peak as would be reported on Page 401, Column d of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- B Labeled LF, LU, IF, IU on Pages 310-311 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- C Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- D Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- E The FERC's annual charges for the year assessed the Transmission Owner for service under this formula rate. Only MISO-related items are included.
- F The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109. Balance of Account 255 is reduced by prior flow through and excluded if the utility chose to utilize amortization of tax credits against taxable income. Account 281 is not allocated.
- G Identified in Form 1 as being only transmission related.
- H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at Page 3, Line 8, Column 5 less Page 3, Line 7a. Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111 Line 57 in the Form 1.
- I Line 5 - EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 930.1. Line 5a - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- J Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- K The currently effective income tax rate, where FIT is the weighted average Federal income tax rate; SIT is the weighted average State income tax rate, and p = "the percentage of federal income tax deductible for state income taxes." If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/1-T) (Page 3, Line 26). Excess and Deficient Deferred Income Taxes reduce or increase income tax expense by the amount of the excess or deficient expense multiplied by (T/1-T)(page 3, line 26a).
- Inputs Required: FIT = - (Federal Income Tax Rate)
 SIT = - (State Income Tax Rate or Composite SIT)
 p = - (percent of federal income tax deductible for state purposes)
- L Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test) or removes transmission plant that is not under MISO functional control.
- M Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- N Enter dollar amounts.
- O ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. A 50 basis point adder for RTO participation may be added to the ROE up to the upper end of the zone of reasonableness established by FERC.

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- P Page 4, Line 33 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1.
- Q Includes income related only to transmission facilities, such as pole attachments, rentals and special use, less any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- R Grandfathered agreements whose rates have been changed to eliminate or mitigate pancaking - the revenues are included in Line 4 Page 1 and the loads are included in Line 13, Page 1. Grandfathered agreements whose rates have not been changed to eliminate or mitigate pancaking - the revenues are not included in Line 4, Page 1 nor are the loads included in Line 13, Page 1. This line will exclude any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- S The revenues credited on Page 1, Lines 2-6 shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- T Account 456.1 entry shall be the annual total of the quarterly values reported at Form 1, Page 330.x.n, less any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to easily determine which revenues are related to MISO assets, and Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- U Includes scheduling, system control and dispatch costs recorded in Accounts 561.1 through 561.3 and which are recovered in Schedule 1 or Schedule 24 rates. Also excludes Account 561.4 and Account 561.8.
- V Pursuant to Attachment GG of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment GG.
- W Removes from revenue credits revenue that are distributed pursuant to Schedules associated with Attachment GG of the MISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment GG revenue requirements.
- X Page 2 Line 23b includes any unamortized balances related to the recovery of abandoned plant costs approved by FERC under a separate docket. Page 3, Line 11a includes the Amortization expense of abandonment costs. These are shown in the workpapers required pursuant to the Annual Rate Calculation and True-up Procedures.
- Y Calculate using 13 month average balance, reconciling to FERC Form No. 1 by Page, Line, and Column as shown in Attachment 4 for inputs on page 2 of 5 above, except ADIT, page 2, lines 19-22, which is on Attachment 8a or 8e and shown on Attachment 5. Calculate using 13 month average balance, reconciling to FERC Form No. 1 by Page, Line, and Column as shown in Attachment 5 for inputs on lines 27, 28 and 29 of page 4 of 5 above. For the first Rate Year, as defined in the Protocols, GLH will use thirteen months of balances in calculating the 13- month average for the determination of the projected net revenue requirement.
- Z Pursuant to Attachment MM of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment MM.
- AA Removes from revenue credits revenues that are distributed pursuant to Schedules associated with Attachment MM of the MISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment MM revenue requirements.
- BB Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC.
- CC Schedule 10-FERC charges should not be included in O&M recovered under this Attachment O.
- DD Calculate using a simple average of beginning of year and end of year balances reconciling to FERC Form No. 1 by Page, Line and Column as shown in Column 2.
- EE Prior to obtaining long term debt, the cost of debt will be the average 3-month LIBOR for the year plus 2.0%. LIBOR refers to the London Inter Bank Offer Rate from the Federal Reserve Bank of St. Louis's <https://fred.stlouisfed.org/>. The capital structure and cost of debt will be the weighted for the year if the long term debt is obtained midyear. However, if prior to obtaining long term debt, the company has short term debt, the cost of debt will be calculated pursuant to Attachment 5, note D. The capital structure will be 60% equity and 40% debt until any asset is placed in service, then it will be based on the actual capital structure, provided that during any period where the equity component of the actual capital structure is greater than 60%, company will reduce the equity component to a level not to exceed 60%. If the capital structure is reduced to 60% equity, the reduced ATRR as a result of capping the equity portion of GridLiance's capital structure at 60%, and the difference between these two values shall be provided by the company in its Annual True-up. The amount of debt in the capital structure will be equal to 1 minus the equity percentage.

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- FF Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant. Utility must submit a Section 205 filing to recover the cost of abandoned plant.
- GG Recovery of regulatory asset permitted only for pre-commercial and formation expenses and are subject to FERC approval before any Regulatory Asset amounts are included in rates. Recovery of any other regulatory assets requires authorization from the Commission. A carrying charge equal to the AFUDC rate will be applied to the regulatory asset prior to the rate year when costs are first recovered. Per Commission order dated January 31, 2020, in Docket No. EC20-13, the Regulatory Asset may not be included in rates until March 1, 2025.
- HH Reserved
- II The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment O-GLH that are not the result of a timing difference.
- JJ DA in the allocator Column means that the cost is directly assigned to transmission consistent with the attached workpapers.
- KK Round to zero if amount shown is not zero and there is no revenue requirement to recover under Schedules 7, 8, and 9 of the MISO OATT.
- LL AFUDC ceases when CWIP is recovered in rate base. No CWIP will be included in rate base on line 18a absent FERC authorization.
- MM It is possible GLH will not have any salaries and wages to report in the FERC Form No. 1 (that is page 4, lines 12-15 are zero), even if GLH has existing transmission assets in service. If and when this occurs page 4, line 13, column 3 will be input as 1.
- NN Includes revenue from electric operations properly credited to MISO customers and not includible in other accounts, such as compensation for minor or incidental services provided for others. GLH commits to provide a workpaper itemizing each revenue source for interested parties to determine which revenues should be reflected herein.
- OO Per Commission Order dated January 31, 2020 in Docket No. EC20-13, reflects a \$2,650,000 fixed annual credit amount for the four transmission lines to be transferred over to MISO's functional control, starting on the day after the closing date of the transaction in Docket No. EC20-13 and continuing for 60 months (Rate Mitigation Period). Also reflects an additional \$950,000 fixed annual credit amount for the remaining two transmission lines, once transferred over to MISO's functional control (expected to be on or about June 1, 2022) from the date of transfer of functional control to MISO and continuing for 60 months. Amount to be entered as negative.

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Attachment 1 (Note J)

Project Revenue Requirement Worksheet
GridLiance Heartland LLCTo be completed in conjunction with Attachment O - GLH.
(inputs from Attachment O - GLH are rounded to whole dollars)

Line No.	(1)	(2) Source Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach O, p 2, line 2 col 5 (Note A)	-	
1a	Transmission Accumulated Depreciation	Attach O, p 2, line 8 col 5	-	
1b	CWIP, Regulatory Asset, Abandoned Plant	Attach O, p 2, lines 18a, 23a & 23b (Note B)	-	
2	Net Transmission Plant - Total	Line 1 minus Line 1a plus Line 1b	-	
	O&M TRANSMISSION EXPENSE			
3	Total O&M Allocated to Transmission	Attach O, p 3, line 8 col 5	-	
3a	Transmission O&M	Attach O, p 3, line 1 col 5	-	
3b	Less: Ancillary Service Expenses included in above	Attach O, p 3, line 1a col 5	-	
3c	Less: Account 565 included in above, if any	Attach O, p 3, line 2 col 5, if any	-	
3d	Less: Account 566 Amort of Reg Asset included in 3a, if any	Attach O, p 3, line 7b col 5, if any	-	
3e	Adjusted Transmission O&M	Line 3a minus Lines 3b thru 3d	-	
4	Annual Allocation Factor for Transmission O&M	(Line 3e divided by line 1, col 3)	-	-
	OTHER O&M EXPENSE			
4a	Other O&M Allocated to Transmission	Line 3 minus Line 3e	-	
4b	Annual Allocation Factor for Other O&M	Line 4a divided by Line 1, col 3	-	-
	GENERAL, INTANGIBLE AND COMMON (G, I & C) DEPRECIATION EXPENSE			
5	Total G, I & C Depreciation Expense	Attach O, p 3, lines 10 & 11, col 5 (Note G)	-	
6	Annual Allocation Factor for G, I & C Depreciation Expense	(line 5 divided by line 1 col 3)	-	-
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach O, p 3, line 20 col 5	-	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	-	-
9	Annual Allocation Factor for Other Expense	Sum of line 4b, 6, and 8	-	-

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INCOME TAXES				
10	Total Income Taxes	Attach O, p 3, line 27 col 5	-	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	-	-
RETURN				
12	Return on Rate Base	Attach O, p 3, line 28 col 5	-	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	-	-
14	Annual Allocation Factor for Return	Sum of line 11 and 13 col 4		-

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Attachment 1

Project Revenue Requirement Worksheet
GridLiance Heartland LLC

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Line No.	Project Name	MTEP # or Other Designation	Project Gross Plant	Project Accumulated Depreciation/A mortization	Transmission O&M Annual Allocation Factor	Annual Allocation for Transmission O&M Expense	Annual Allocation Factor for Other Expense	Annual Allocation for Other Expense	Annual Expense Charge	Project Net Plant
15			(Note C)		Page 1 line 4	Col. 3 * Col. 5	Page 1 line 9	Col. 3 * Col. 7	Col. 6 + Col. 8	(Note D)
15a	-	-	-	-	-	-	-	-	-	-
15b	-	-	-	-	-	-	-	-	-	-
15c	-	-	-	-	-	-	-	-	-	-
15d	-	-	-	-	-	-	-	-	-	-
15e	-	-	-	-	-	-	-	-	-	-
15f	-	-	-	-	-	-	-	-	-	-
15g	-	-	-	-	-	-	-	-	-	-
15h	-	-	-	-	-	-	-	-	-	-
15i	-	-	-	-	-	-	-	-	-	-
15j	-	-	-	-	-	-	-	-	-	-
15k	-	-	-	-	-	-	-	-	-	-
15l	-	-	-	-	-	-	-	-	-	-
15m	-	-	-	-	-	-	-	-	-	-

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15n	-	-	-	-	-	-	-	-	-	-	-
15o	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
16.	Annual Totals				-	-	-	-	-	-	-
17.	Rev. Req. Adj For Attachment O										
18.	Incentives from Projects other than those in Attachment GG- GLH and Attachment MM-GLH										

Attachment 1 (Note J)

Project Revenue Requirement Worksheet

GridLiance Heartland LLC

[illegible]

[illegible]

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Notes:

- A. Gross Transmission Plant that is included on page 2 line 2 of Attachment O-GLH (see line 1 col (3)).
- B. Inclusive of any CWIP, unamortized abandoned plant and unamortized project-related regulatory asset included in rate base when authorized by FERC order. Excludes start-up regulatory asset (see line 1b, col. (3)).
- C. Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1. This value includes subsequent capital investments required to maintain the facilities to their original capabilities. Gross plant does not include any CWIP, unamortized abandoned plant or any regulatory asset (see line 15, col. (3)).
- D. Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation in col (4). Net Plant includes any CWIP in rate base, any project related regulatory asset and any Unamortized Abandoned Plant approved by the Commission (see line 15, col. (10)). Net plant does not include start-up regulatory asset.
- E. Project Depreciation Expense is the actual value booked in Attachment O-GLH, Page 3, line 9 that is associated with the specified project. Project Depreciation Expense includes the amortization of Abandoned Plant. However, if FERC grants accelerated depreciation for a project the depreciation rate authorized by FERC will be used instead of the rates shown on Attachment 6 for all other projects. Line 15, Col. (13). Includes project related regulatory assets.
- F. Project True-Up Adjustment is calculated on the Attachment GG - GLH and Attachment MM - GLH True-Up Template (see col. K). For projects other than Attachment GG or MM, the Project True-Up Adjustment is calculated on Attachment 3.
- G. The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in Line 15, col. 13.
- H. A Competitive Bid Concession reflects any commitment by GLH to MISO to charge less than GLH's Ceiling Rate, regardless of how that Competitive Bid Concession is calculated. For each project, the amount of the Competitive Bid Concession will be zero or a reduction to the annual transmission revenue requirement in one or more years. GLH will include, as part of its Annual Update, (i) an explanation of the basis for any Competitive Bid Concession, (ii) a calculation of the Competitive Bid Concession, and (iii) any documentation needed to support the calculation of the Competitive Bid Concession. The amount in Column 17 above equals the amount by which the annual revenue requirement is reduced from the ceiling rate (see line 15 col. (17)).
- I. Requires approval by FERC of incentive return applicable to the specified project(s) (see line 15, col. (15)).
- J. This Attachment 1 is a reconciliation or summary of Attachment GG - GLH and Attachment MM - GLH. The actual calculations for Attachment GG and MM projects used in developing rates will be those calculated in Attachment GG - GLH and Attachment MM - GLH. Attachment 1 may also consist of other projects, such as those which have received FERC approval for an incentive adder but are not Attachment GG or MM projects. The incentives associated with those projects will be added to the Attachment O-GLH revenue requirement on Attachment O, page 3, line 30b.
- K. Per Commission Order dated January 31, 2020 in Docket No. EC20-13, reflects a \$2,650,000 fixed annual credit amount for the four transmission lines to be transferred over to MISO's functional control, starting on the day after the closing date of the transaction in Docket No. EC20-13 and continuing for 60 months (Rate Mitigation Period). Also reflects an additional \$950,000 fixed annual credit amount for the remaining two transmission lines, once transferred over to MISO's functional control (expected to be on or about June 1, 2022) from the date of transfer of functional control to MISO and continuing for 60 months. Amount to be entered as negative.

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Attachment 2
Incentive Return
GridLiance Heartland LLC

	A	B	C	D	E	F	G	H	I	J
1	Rate Base		Attachment O-GLH, page 2, line 30, Col.5							-
2	100 Basis Point Incentive Return								\$	
							Cost			
				\$	%				Weighted	
3	Long Term Debt		Attachment O-GLH, Notes Y and EE	-	0%		0.00%		0.0000	
4	Preferred Stock		Attachment O-GLH, Notes Y and EE	-	0%		-		-	
5	Common Stock (Note A)	Cost = Attachment O, Line 29, Cost plus .01	Attachment O-GLH, Notes O, Y and EE	-	0%		11.82%		0.0000	
6	Total		Sum Lines 3 to 5	-					0.0000	
7	100 Basis Point Incentive Return multiplied by Rate Base		Line 1 * Line 6, Col. I							-
8	INCOME TAXES									
			Attachment O-GLH, Page 3, Line 21							
9	$T = \text{SIT} * (1 - \text{FIT}) + \text{FIT} - (p * \text{FIT})$			-						
10	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / R)) =$			-						
11	WCLTD = Line 3									
12	and FIT, SIT & p are as given in footnote K.									
13	$1 / (1 - T) =$ (from line 9)			-						
14	Amortized Investment Tax Credit (266.8f) (enter negative)		Attachment O-GLH, Page 3, Line 24	-						
15	Excess Deferred Income Taxes (enter negative)		Attachment O-GLH, Page 3, Line 24a	-						
16	Tax Effect of Permanent Differences (Note B)		Attachment O-GLH, Page 3, Line 24b	-						
17	Income Tax Calculation		Line 10 * Line 7	-		NA				-
18	ITC adjustment		Line 13 * Line 14	-		NP	-			

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						-	
19	Excess Deferred Income Tax Adjustment	Line 13 * Line 15	-	NP	-	-	
20	Permanent Differences Tax Adjustment	Line 13 * Line 16	-	NP	-	-	
21	Total Income Taxes	Sum Lines 17 - 20	-			-	-
22	Return and Income Taxes with 100 basis point increase in ROE						-
23	Return	Attach. O, Page 3, Line 28, Col. 5					-
24	Income Tax	Attach. O, Page 3, Line 27, Col. 5					-
25	Return and Income Taxes without 100 basis point increase in ROE	Sum Lines 23 and 24				-	
26	Incremental Return and Income Taxes for 100 basis point increase in ROE	Line 22 less Line 25				-	
27	Rate Base	Line 1				-	
28	Incremental Return and Income Taxes for 100 basis point increase in ROE divided by Rate Base	Line 26 / Line 27				-	

Notes:

- A. Line 5 includes a 100 basis point increase in ROE that is used only to determine the increase in return and income taxes associated with a 100 basis point increase in ROE. Any ROE incentive must be approved by the Commission.
For example, if the Commission were to grant a 137 basis point ROE incentive, the increase in return and taxes for a 100 basis point increase in ROE would be multiplied by 1.37 on Attachment 1, column 16.
- B. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment O-GLH that are not the result of a timing difference.

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Page 1

Attachment 3 (Note 3)

Project True – Up
GridLiance Heartland LLC

1	Year			Annual True-Up Calculation			
	A	B	C	D	E	F	G
	MTEP Project Number	Project Name	Adjusted Net Revenue Requirement ¹	Revenue Received ²	Net Under/(Over) Collection (C-D)	Interest Income (Expense)	Total True-Up Adjustment (E + F)
2			-	-	-	-	-
2a			-	-	-	-	-
2b			-	-	-	-	-
2c			-	-	-	-	-
2d			-	-	-	-	-
3	Total		-	-	-	-	-

1) From Attachment GG - GLH True-Up Calculation, Column G and Attachment MM - GLH True-Up Calculation, Column G, and Attachment O-GLH.

2) The "revenue received" is the total amount of revenue distributed to GLH in the True-Up Year. Attachment O, Lines 36a -37, page 4 of 5 of Attachment O – GLH.

3) This Attachment 3 is a summary of the Attachment GG -GLH True-Up Calculation and the Attachment MM - GLH True-Up Calculation. The Attachment O - GLH True-Up is the actual True-Up calculation.

For each project or Attachment O-GLH, the utility will populate the formula rate with the inputs for the True-Up Year. The revenue requirements, based on actual operating results for the True-Up Year, associated with the projects and Attachment O-GLH will then be entered in Col. (C) above. Column (D) contains the actual revenues received associated with Attachment GG-GLH, Attachment MM-GLH and Attachment O-GLH paid by MISO to the utility during the True-Up Year. Col. (E) is the Net Under/(Over) Collection where Col. (D) is subtracted from Col. (C). Column (F), line 2 is the interest calculated in accordance with Attachment O-GLH Annual True-Up, Information Exchange and Challenge Procedures. Column (F), lines 2x contain the interest amounts calculated in column (J) of the Annual Attachment GG True-Up Calculation and the Annual Attachment MM True-Up Calculation. Col. (G) is the sum of the Net Under/(Over) Collection in Col. (E) and the interest in Col. (F).

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FERC Refund Interest Rate

	(a)	(b)	(c)	(d)
		Quarter	Year	Quarterly Interest Rate under Section 35.19(a)
4	Interest Rate:			
5		1st Qtr.	-	-
6		2nd Qtr	-	-
7		3rd Qtr	-	-
8		4th Qtr	-	-
9		1st Qtr	-	-
10		2nd Qtr	-	-
11		3rd Qtr	-	-
12		Sum lines 5-11		-
13	Avg. Monthly FERC Rate	Line 12 divided by 7		-

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Attachment 4

Rate Base Worksheet (Page 2 of Attachment O – GLH)
GridLiance Heartland LLC

		Gross Plant In Service (Attachment O, Note Y and BB)					CWIP	LHFFU	Working Capital	Accumulated Depreciation (Attachment O, Note Y and BB)					
Line No	Month	Production	Transmission	Distribution	General & Intangible	Common	CWIP (Note C)	Land Held for Future Use	Materials & Supplies	Prepayments	Production	Transmission	Distribution	General & Intangible	Common
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	FN1 Reference for Dec	205.46	207.58	207.75	205.5.g & 207.99.g	356.1	216.x.b	214.x.d	227.5.c, 227.8.c & 227.16.c	111.57.c	219.20-24.c	219.25.c	219.26.c	219.28.c & 200.21.c	356.1
1	December Prior Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	January	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	February	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	March	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	April	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	June	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	July	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	August	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	September	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	October	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	November	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	December	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Average of the 13 Monthly Balances	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Adjustments to Rate Base (Attachment O, Note Y)

Line No	Month	Unamortized Regulatory Asset	Unamortized Abandoned Plant	Reserved	Reserved	Reserved	Reserved	Account No. 255 Accumulated Deferred Investment Credit (Note D)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	FN1 Reference for Dec	Notes A & E	Notes B & F					Consistent with 266.8.b & 267.8.h
15	December Prior Year	- -		-	-	-	-	-
16	January	- -		-	-	-	-	-
17	February	- -		-	-	-	-	-
18	March	- -		-	-	-	-	-
19	April	- -		-	-	-	-	-
20	May	- -		-	-	-	-	-
21	June	- -		-	-	-	-	-
22	July	- -		-	-	-	-	-
23	August	- -		-	-	-	-	-
24	September	- -		-	-	-	-	-

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25	October	-	-	-	-	-	-	-	-
26	November	-	-	-	-	-	-	-	-
27	December	-	-	-	-	-	-	-	-
28	Average of the 13 Monthly Balances -	-	-	-	-	-	-	-	-

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Attachment 4

Rate Base Worksheet (Page 2 of Attachment O – GLJH)
GridLiance Heartland LLC

Line No	Unfunded Reserves (Note G)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
29	List of all reserves:	Amount		Enter 1 if NOT in a trust or reserved account, enter zero (0) if included in a trust or reserved account	Enter 1 if the accrual account is included in the formula rate, enter zero (0) if the accrual account is NOT included in the formula rate	Enter the percentage paid for by customers, 1 less the percent associated with an offsetting liability on the balance sheet	Allocation (Plant or Labor Allocator)		Amount Allocated, col. (c) x col. (d) x col. (e) x col. (f) x col. (g)
30a	Reserve 1	-	-	-	-	-	-	-	-
30b	Reserve 2	-	-	-	-	-	-	-	-
30c	Reserve 3								-
30d	Reserve 4								-
30e	...								-
30f	...	-	-	-	-	-	-	-	-
31	Total	-							-

\$0.00

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Notes:

- A. Recovery of regulatory asset is limited to any regulatory assets authorized by FERC.
- B. Recovery of abandoned plant is limited to any abandoned plant recovery authorized by FERC.
- C. Includes only CWIP authorized by the Commission for inclusion in rate base. The Annual Update will include for each project under construction (i) the CWIP balance eligible for inclusion in rate base; (ii) the CWIP balance ineligible for inclusion in rate base; and (iii) a demonstration that AFUDC is only applied to the CWIP balance that is not included in rate base. The Annual Update will reconcile the project-specific CWIP balances to the total Account 107 CWIP balance reported on p. 216.b of the FERC Form 1
- D. Accumulated Deferred Income Tax Credits are computed on Attachments 8a and 8b
- E. Recovery of a Regulatory Asset is permitted only for pre-commercial and formation expenses, and is subject to FERC approval before the amortization of the Regulatory Asset can be included in rates. Recovery of any other regulatory assets requires authorization from the Commission. A carrying charge equal to the AFUDC rate will be applied to the Regulatory Asset prior to the rate year when costs are first recovered.
- F. Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant.
- G. The Formula Rate shall include a credit to rate base for all unfunded reserves (funds collected from customers that (1) have not been set aside in a trust, escrow or restricted account; (2) whose balance are collected from customers through cost accruals to accounts that are recovered under the Formula Rate; and (3) exclude the portion of any balance offset by a balance sheet account). Each unfunded reserve will be included on lines 30 above. The allocator in Col. (g) will be the same allocator used in the formula for the cost accruals to the account that is recovered under the Formula Rate. Reserves can be created by capital contributions from customers, by debiting the reserve and crediting a liability, or a combination of customer capital contribution and offsetting liability. Only the portion of a reserve that was created by customer contributions should be a reduction to rate base. For reserves that be created partially through customer contributions and partially by an offsetting liability, enter in column (f) the percentage of the reserve that was contributed by customers.

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Attachment 5

Attachment O – GLH, Page 3 Worksheet
GridLiance Heartland LLC

Line No.	Month	Transmissi on O&M Expenses	Account No. 566 (Misc. Trans. Expense)	Account No. 565	A&G Expen ses	FERC Annual Fees	EPRI & Reg. Comm. Exp. & Non- safety Ad.	Transmis sion Related Reg. Comm. Exp.	Transmis sion Lease Payment s	Amorti zation of Regulat ory Asset	Miscellaneous Transmission Expense (less Amortization of Regulatory Asset)	Depreciation Expense - Transmission (Attachment O - GLH, Note BB)	Less Ancillary Service Expenses included in Transmissio n O&M Accounts
Attachment O - GLH, Page 3, Line Number		1 (a)	1b (b)	2 (c)	3 (d)	4 (e) Attach ment O - GLH, Note I	5 (f) Attachment O - GLH, Note I	5a (g) Attachm ent O - GLH, Note I	7 (h)	7b (i)	7c (j)	9 (k)	1a (l) Attachment O - GLH, Note U
FERC Form 1 Reference		321.112.b	321.97.b	321.96.b	323.19 7.b					321.97. b	321.97.b	336.7.f	
1	January	-	-	-	-	-	-	-	-	-	-	-	-
2	February	-	-	-	-	-	-	-	-	-	-	-	-
3	March	-	-	-	-	-	-	-	-	-	-	-	-
4	April	-	-	-	-	-	-	-	-	-	-	-	-
5	May	-	-	-	-	-	-	-	-	-	-	-	-
6	June	-	-	-	-	-	-	-	-	-	-	-	-
7	July	-	-	-	-	-	-	-	-	-	-	-	-
8	August	-	-	-	-	-	-	-	-	-	-	-	-
9	September	-	-	-	-	-	-	-	-	-	-	-	-
10	October	-	-	-	-	-	-	-	-	-	-	-	-

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11	November	-	-	-	-	-	-	-	-	-	-	-	-
12	December	-	-	-	-	-	-	-	-	-	-	-	-
13	Total	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
		-	-	-	-	-	-	-	-	-	-	-	-

		Depreciation Expense - General & Intangible (Attachment O - GLH, Note BB)	Amortization of Abandoned Plant	Payroll Taxes	Highway & Vehicle Taxes	Property Taxes	Gross Receipts Taxes	Other Taxes	Payments in lieu of Taxes	Amortized Investment Tax Credit (266.8f)	Reserved	Tax Effect of Permanent Differences	Depreciation Expense - Common (Attachment O - GLH, Note BB)
	Attachment O, Page 3, Line Number	10 (a)	11a (b)	13 (c)	14 (d)	16 (e)	17 (f)	18 (g)	19 (h)	24 (i)	(j)	24b (k)	11 (l)
	FERC Form 1 Reference	336.10.f & 336.1.f	Attachment O - GLH, Note X & FF	263.i	263.i	263.i	263.i	263.i		266.8.f			336.11.f
14	January	-	-	-	-	-	-	-	-	-	-	-	-
15	February	-	-	-	-	-	-	-	-	-	-	-	-
16	March	-	-	-	-	-	-	-	-	-	-	-	-
17	April	-	-	-	-	-	-	-	-	-	-	-	-
18	May	-	-	-	-	-	-	-	-	-	-	-	-
19	June	-	-	-	-	-	-	-	-	-	-	-	-
20	July	-	-	-	-	-	-	-	-	-	-	-	-
21	August	-	-	-	-	-	-	-	-	-	-	-	-
22	September	-	-	-	-	-	-	-	-	-	-	-	-

		-	-	-	-	-	-	-	-	-	-	-	-
23	October	-	-	-	-	-	-	-	-	-	-	-	-
24	November	-	-	-	-	-	-	-	-	-	-	-	-
25	December	-	-	-	-	-	-	-	-	-	-	-	-
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
26	Total	-	-	-	-	-	-	-	-	-	-	-	-

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27 RETURN (R) (Attachment O-GLH,
Notes O, Y, and EE)

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
28		Long Term Interest (117, sum of 62.c through 67.c)						-			
29		Preferred Dividends (118.29c) (positive number)						-			
30		Proprietary Capital (112.16.c)						-			
31		Less Preferred Stock (line 35, col. (d))						-			
32		Less Account 216.1 (112.12.c)		(enter negati ve) (sum lines 30 - 32)				-			
33		Common Stock						-			

					Cost Rates		Weighte d	
			\$	%				
34	Long Term Debt	Note A and Note D	-	-	-	-	-	=WCLTD
35	Preferred Stock (112.3.c)	Note B	-	-	-	-	-	
36	Common Stock	Note C	-	-	-	-	-	
37	Total	(Sum of Lines 34 through 36)						=R

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- Note:
- Long Term debt balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 lines 18.c to 21.c in the Form No. 1, the cost is calculated by dividing line 28 by the Long Term Debt balance in line 34.
 - Preferred Stock balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 line 3.c in the Form No. 1, the cost is calculated by dividing line 29 by the Preferred Stock balance in line 35.
 - Common Stock balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 lines 3.c 12.c, 16.c in the Form No. 1 as shown on lines 30-33 above
 - If the company has short-term debt prior to issuing long-term debt, line 34 will reflect the outstanding short-term debt and cost rates only until long term debt is issued, as calculated below:

Short-term debt outstanding	The 13 month average of the balances consistent with "S", the average short-term debt balance pursuant to Part 101 of the Commission's Regulations, Electric Plant Instruction 17
Short-term debt cost	The interest "s", the short-term debt interest rate pursuant to Part 101 of the Commission's Regulations, Electric Plant Instruction 17

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Attachment 6

Depreciation Rates
GridLiance Heartland LLC

<u>FERC ACCOUNT</u>	<u>DESCRIPTION</u>	<u>RATE PERCENT</u>
<u>TRANSMISSION</u>		
350	Land Rights	N/A
352	Structures and Improvements	1.5397%
353	Station Equipment	2.0285%
354	Towers and Fixtures	1.8847%
355	Poles and Fixtures	2.1496%
356	Overhead Conductors & Devices	2.0973%
357	Underground Conduit	1.3665%
358	Underground Conductors & Devices	1.8416%
359	Roads and Trails	0.0000%
<u>GENERAL AND INTANGIBLE</u>		
302	Franchises and Consents (Note 1)	N/A
303	Intangible Plant - 5 Year	20.0000%
390	Structures and Improvements	2.1194%
391	Office Furniture and Equipment	5.0671%
391	Network Equipment	25.0000%
392	Transportation Equipment - Auto	10.9667%
392	Transportation Equipment - Light Truck	8.4139%
392	Transportation Equipment - Trailers	6.9486%
392	Transportation Equipment - Heavy Trucks	7.2364%
393	Stores Equipment	5.0000%
394	Tools, Shop and Garage Equipment	6.6672%
395	Laboratory Equipment	10.0000%
396	Power Operated Equipment	8.4139%
397	Communication Equipment	11.1110%

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398

Miscellaneous Equipment

6.6672%

Note 1:
Electric Intangible Franchises and Transmission Land Rights are amortized over the life of the franchise agreement or land right.

Note 2:
GLH’s depreciation and amortization rates may not be changed absent a section 205 or 206 filing.

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Attachment 7

PBOPs
GridLiance Heartland LLC**Calculation of PBOP Expenses**

Line No.

**Year Ended
December 31, ____**

1

2 Total PBOP expenses

Note A

-

3 Labor dollars

Note A

-

4 Cost per labor dollar

Line 2 divided by line 3

-

5 labor (labor not capitalized) current year

(Note B)

-

6 PBOP Expense for current year

Line 4 times line 5

-

7 Lines 2 and 3 cannot change absent approval or acceptance by FERC in a separate proceeding.

8 PBOP amount included in Company's O&M and A&G expenses in Form No. 1

-

Note
Letter

A. Amounts will be zero until changed pursuant to a FERC order.

B The sum of all labor included in accounts 560 to 579 and 920 to 935.

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Attachment 8a - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (Projection)

GridLiance Heartland LLC

Projection for the 12 months ended 12/31/____

A		B		C	D	E (Sum Col. B, C & D)	
Ln	Item	Transmission Related	Plant Related	Labor Related	Total		
1	ADIT-282 (enter negative)	-	-	-		Line 12	
2	ADIT-283 (enter negative)		-	-		Line 16	
3	ADIT-190	-	-	-		Line 21	
4	Subtotal	-	-	-		Sum of Lines 1-3	
5	Wages & Salary Allocator			-		Attachment-O Page 4 line 16	
6	Net Plant Allocator		-			Attachment-O Page 2 line 6	
7	Total Plant Allocator	1.00				100%	
8	Projected ADIT Total		-	-	-	Enter as negative Attachment-O, page 2, line 22	
	(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Balance	(e) Transmission Related	(f) Plant Related	(g) Labor Related
ADIT-282	Balance-BOY (Attach 8c, Line 30)	December	-	-	-	-	-
9	EOY (Attach 8d, Line 30 less Line 26)	December	-	-	-	-	-
10	Balance-EOY Prorated (Attach 8b, Line 14)	December	-	-	-	-	-
11	ADIT 282-Total (Lines 10+11)			-	-	-	-
12				-	-	-	-
ADIT							

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13	Balance-BOY (Attach 8c, Line 44)	December	-	-	-	-	-
14	EOY (Attach 8d, Line 44 less Line 40)	December	-	-	-	-	-
15	EOY Prorated (Attach 8b, Line 28)	December	-	-	-	-	-
16	ADIT 283-Total (Lines 14+15)			-	-	-	-

ADIT

-190

17	Balance-BOY (Attach 8c, Line 18)	December	-	-	-	-	-
18	EOY (Attach 8d, Line 18 less Line 14)	December	-	-	-	-	-
19	EOY Prorated (Attach 8b, Line 42)	December	-	-	-	-	-
20	ADIT 190-Total (Lines 18+19)			-	-	-	-

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GridLiance Heartland Rate Formula Template

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Attachment 8b - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (Projection)

GridLiance Heartland LLC

Projection for the 12 months ended 12/31/____

	(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Weighting for Projection	(e) Beginning Balance/ Monthly Increment	(f) Transmission	(g) Transmission Proration (d) x (f)	(h) Plant Related	(i) Plant Proration (d) x (h)	(j) Labor Related	(k) Labor Proration (d) x (j)
ADIT-282-Proration-Note A											
1	Balance (Attach 8c, Line 30)	December	-	100.00%	-	-	-	-	-	-	-
2	Increment	January	-	91.78%	-	-	-	-	-	-	-
3	Increment	February	-	84.11%	-	-	-	-	-	-	-
4	Increment	March	-	75.62%	-	-	-	-	-	-	-
5	Increment	April	-	67.40%	-	-	-	-	-	-	-
6	Increment	May	-	58.90%	-	-	-	-	-	-	-
7	Increment	June	-	50.68%	-	-	-	-	-	-	-
8	Increment	July	-	42.19%	-	-	-	-	-	-	-
9	Increment	August	-	33.70%	-	-	-	-	-	-	-
10	Increment	September	-	25.48%	-	-	-	-	-	-	-
11	Increment	October	-	16.99%	-	-	-	-	-	-	-
12	Increment	November	-	8.77%	-	-	-	-	-	-	-
13	Increment	December	-	0.27%	-	-	-	-	-	-	-
14	ADIT 282-Prorated EOY Balance				-	-	-	-	-	-	-

ADIT-283-Proration-Note B

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15	Balance (Attach 8c, Line 44)	December	-	100.00%	-	-	-	-	-	-
16	Increment	January	-	91.78%	-	-	-	-	-	-
17	Increment	February	-	84.11%	-	-	-	-	-	-
18	Increment	March	-	75.62%	-	-	-	-	-	-
19	Increment	April	-	67.40%	-	-	-	-	-	-
20	Increment	May	-	58.90%	-	-	-	-	-	-
21	Increment	June	-	50.68%	-	-	-	-	-	-
22	Increment	July	-	42.19%	-	-	-	-	-	-
23	Increment	August	-	33.70%	-	-	-	-	-	-
24	Increment	September	-	25.48%	-	-	-	-	-	-
25	Increment	October	-	16.99%	-	-	-	-	-	-
26	Increment	November	-	8.77%	-	-	-	-	-	-
27	Increment	December	-	0.27%	-	-	-	-	-	-
28	ADIT 283-Prorated EOY Balance				-	-	-	-	-	-
ADIT-190-Proration-Note C										
29	Balance (Attach 8c, Line 18)	December	-	100.00%	-	-	-	-	-	-
30	Increment	January	-	91.78%	-	-	-	-	-	-
31	Increment	February	-	84.11%	-	-	-	-	-	-
32	Increment	March	-	75.62%	-	-	-	-	-	-
33	Increment	April	-	67.40%	-	-	-	-	-	-
34	Increment	May	-	58.90%	-	-	-	-	-	-

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35	Increment	June	-	50.68%	-	-	-	-	-	-
36	Increment	July	-	42.19%	-	-	-	-	-	-
37	Increment	August	-	33.70%	-	-	-	-	-	-
38	Increment	September	-	25.48%	-	-	-	-	-	-
39	Increment	October	-	16.99%	-	-	-	-	-	-
40	Increment	November	-	8.77%	-	-	-	-	-	-
41	Increment	December	-	0.27%	-	-	-	-	-	-
42	ADIT 190-Prorated EOY Balance				-	-	-	-	-	-

Note 1: Uses a 365 day calendar year.

Note 2: Projected end of year ADIT must be based solely on enacted tax law. No assumptions for future estimated changes in tax law may be forecasted.

A. Substantial portion, if not all, of the ADIT-282 balance is subject to proration. Explanation must be provided for any portion of balance not subject to proration.

B. Only amounts in ADIT-283 relating to Depreciation, if applicable, are subject to proration. See Line 44 in Attach 8c and 8d.

C. Only amounts in ADIT-190 related to net operating loss carryforwards, if applicable, are subject to proration. See Line 18 in Attach 8c and 8d.

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Attachment 8c - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)
Projection for the 12 months ended 12/31/____

Page 1 of 2

Ln	Item	Transmission Related	Plant Related	Labor Related	
1	ADIT-282	-	-	-	Line 30
2	ADIT-283	-	-	-	Line 44
3	ADIT-190	-	-	-	Line 18
4	Subtotal	-	-	-	Sum of Lines 1-4

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately. For ADIT directly related to project depreciation or CWIP, the balance will be shown in a separate row for each project.

	A	B	C	D	E	F	G
	ADIT-190	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
5							
6							
7							
8							
9							
10							
11							
12	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 1, Column L)						
13	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 1, Column M)						
14	NOL Carryforward						Amount subject to Proration
15	Subtotal - p234.b	-	-	-	-	-	
16	Less FASB 109 Above if not separately removed						

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17	Less FASB 106 Above if not separately removed						
18	Total	-	-	-	-	-	

Instructions for Account 190:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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Attachment 8c - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)
Projection for the 12 months ended 12/31/____

Page 2 of 2

	A	B	C	D	E	F	G
	ADIT- 282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
19	-	-		-			0
20							
21							
22							
23							
24	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 2, Column L)						
25	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 2, Column M)						
26	Plant Items						Amount subject to Proration
27	Subtotal - p274.b	-	-	-	-	-	
28	Less FASB 109 Above if not separately removed						
29	Less FASB 106 Above if not separately removed						
30	Total		-	-	-	-	

Instructions for Account 282:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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	A	B	C	D	E	F	G
	ADIT- 283	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
31							
32							
33							
34							
35							
36							
37							
38	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 3, Column L)						
39	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 3, Column M)						
40	Depreciation Items						Amount subject to Proration
41	Subtotal - p276.b	-	-	-	-	-	
42	Less FASB 109 Above if not separately removed						
43	Less FASB 106 Above if not separately removed						
44	Total	-	-	-	-	-	

Instructions for Account 283:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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Attachment 8d - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)
Projection for the 12 months ended 12/31/____

Page 1 of 2

Ln	Item	Transmission Related	Plant Related	Labor Related
1	ADIT- 282	-	-	- Line 30
2	ADIT-283	-	-	- Line 44
3	ADIT-190	-	-	- Line 18
4	Subtotal	-	-	- Sum of Lines 1-4

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately. For ADIT directly related to project depreciation or CWIP, the balance will be shown in a separate row for each project.

	A	B	C	D	E	F	G
	ADIT-190	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
5							
6							
7							
8							
9							

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10						
11						
12	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 1, Column R)					
13	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 1, Column S)					
14	NOL Carryforward					Amount subject to Proration
15	Subtotal - p234.c	-	-	-	-	-
16	Less FASB 109 Above if not separately removed					
17	Less FASB 106 Above if not separately removed					
18	Total	-	-	-	-	-

Instructions for Account 190:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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Attachment 8d - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)

Page 2 of 2

Projection for the 12 months ended 12/31/____

	A	B	C	D	E	F	G
	ADIT-282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
1							
9							
2							
0							
2							
1							
2							
2							
2							
3							
2	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 2, Column R)						
4							
2	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 2, Column S)						
5							
2	Plant Items						Amount subject to Proration
6							
2	Subtotal - p275.k	-	-	-	-	-	
7							
2	Less FASB 109 Above if not separately removed						
8							
2	Less FASB 106 Above if not separately removed						
9							
3	Total	-	-	-	-	-	
0							

Instructions for Account 282:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F

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5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

	A	B	C	D	E	F	G
	ADIT-283	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
31							
32							
33							
34							
35							
36							
37							
38	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 3, Column R)						
39	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 3, Column S)						
40	Depreciation Items						Amount subject to Proration
41	Subtotal - p277.k	-	-	-	-	-	
42	Less FASB 109 Above if not separately removed						
43	Less FASB 106 Above if not separately removed						
44	Total	-	-	-	-	-	

Instructions for Account 283:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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Attachment 8e - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (True-Up)

GridLiance Heartland LLC

Projection for the 12 months ended 12/31/____

A		B	C	D	E
					(Sum Col. B, C & D)
Ln	Item	Transmission Related	Plant Related	Labor Related	Related
1	ADIT-282	-	-	-	Line 12
2	ADIT-283	-	-	-	Line 16
3	ADIT-190	-	-	-	Line 20
4	Subtotal	-	-	-	Sum of Lines 1-3
5	Wages & Salary Allocator			-	Attachment-O Page 4 line 16
6	Net Plant Allocator		-		Attachment-O Page 2 line 6
7	Total Plant Allocator	1.00			100%
8	ADIT True-Up Total	-	-	-	Enter as negative Attachment-O, page 2, line 22

(a) Beginning Balance & Monthly Changes		(b) Month	(c) Year	(d) Balance	(e) Transmission Related	(f) Plant Related	(g) Labor Related
ADIT-282							
9	Balance-BOY (Attach 8c, Line 30)	December	-	-	-	-	-
10	Balance-EOY (Attach 8d, Line 30 less Line 26)	December	-	-	-	-	-
11	Balance-EOY-Prorated (Attach 8f, Line 14)	December	-	-	-	-	-
12	Balance-EOY-Total (Lines 10+11)			-	-	-	-

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ADIT-283

13	Balance-BOY (Attach 8c, Line 44)	December	-	-	-	-	-
14	Balance-EOY (Attach 8d, Line 44 less Line 40)	December	-	-	-	-	-
15	Balance-EOY-Prorated (Attach 8f, Line 28)	December	-	-	-	-	-
16	Balance-EOY-Total (Lines 14+15)			-	-	-	-

ADIT-190

17	Balance-BOY (Attach 8c, Line 18)	December	-	-	-	-	-
18	Balance-EOY (Attach 8d, Line 18 less Line 14)	December	-	-	-	-	-
19	Balance-EOY-Prorated (Attach 8f, Line 42)	December	-	-	-	-	-
20	Balance-EOY-Total (Lines 18+19)			-	-	-	-

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Attachment 8f - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (True-up)

GridLiance Heartland LLC

For the 12 Months Ended 12/31/____

				Transmission									
(a) Beginning Balance & Monthly Changes	(b) Month	(c) Ye ar	(d) Weight ing for Project ion	(e) Monthly Increment	(f) Proration (d) x (e)	(g) Prorated Projected Balance (Cumulati ve Sum of f)	(h) Actual Monthly Activity	(i) Difference between projected and actual activity (h)-(e)	(j) Partially prorate actual activity above Monthly projection	(k) Partially prorate actual activity below Monthly projection but increases ADIT	(l) Partially prorate actual activity below Monthly projection and is a reduction to ADIT	(m) Partially prorated actual balance	
ADIT-282-Proration-Note													
A													
Balance (Attach 8c, Line 30)	Decem ber	-	100.00 %			-						-	
1	Januar y	-	91.78 %	-	-	-	-	-	-	-	-	-	
2	Februa ry	-	84.11 %	-	-	-	-	-	-	-	-	-	
3		-	75.62 %										
4	March	-	67.40 %	-	-	-	-	-	-	-	-	-	
5	April	-	58.90 %	-	-	-	-	-	-	-	-	-	
6	May	-	50.68 %	-	-	-	-	-	-	-	-	-	
7	June	-	42.19 %	-	-	-	-	-	-	-	-	-	
8	July	-	33.70 %	-	-	-	-	-	-	-	-	-	
9	August	-	25.48 %	-	-	-	-	-	-	-	-	-	
1	Septem ber	-		-	-	-	-	-	-	-	-	-	
0		-											
1	Octobe	-	16.99 %	-	-	-	-	-	-	-	-	-	

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1	r		%	-	-	-	-	-	-	-	-	-	-
1	Novem												
2	ber	-	8.77%	-	-	-	-	-	-	-	-	-	-
1	Decem												
3	ber	-	0.27%	-	-	-	-	-	-	-	-	-	-
1	ADIT 282-Prorated												
4	EOY Balance			-	-		-	-	-	-	-	-	-
ADIT-283-Proration-Note B													
1	Balance (Attach 8c,	Decem	100.00										
5	Line 44)	ber	%			-							
1	Januar		91.78										
6	Increment	y	%	-	-	-	-	-	-	-	-	-	-
1	Februa		84.11										
7	Increment	ry	%	-	-	-	-	-	-	-	-	-	-
1			75.62										
8	Increment	March	%	-	-	-	-	-	-	-	-	-	-
1			67.40										
9	Increment	April	%	-	-	-	-	-	-	-	-	-	-
2			58.90										
0	Increment	May	%	-	-	-	-	-	-	-	-	-	-
2			50.68										
1	Increment	June	%	-	-	-	-	-	-	-	-	-	-
2			42.19										
2	Increment	July	%	-	-	-	-	-	-	-	-	-	-
2			33.70										
3	Increment	August	%	-	-	-	-	-	-	-	-	-	-
2		Septem	25.48										
4	Increment	ber	%	-	-	-	-	-	-	-	-	-	-
2		Octobe	16.99										
5	Increment	r	%	-	-	-	-	-	-	-	-	-	-
2		Novem											
6	Increment	ber	8.77%	-	-	-	-	-	-	-	-	-	-
2		Decem											
7	Increment	ber	0.27%	-	-	-	-	-	-	-	-	-	-
2	ADIT 283-Prorated												
8	EOY Balance			-	-		-	-	-	-	-	-	-
ADIT-190-Proration-Note C													

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Attachment 8f - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (True-up)
GridLiance Heartland LLC
For the 12 Months Ended 12/31/____

[illegible]

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[illegible]

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Attachment 8f - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (True-up)
GridLiance Heartland LLC
For the 12 Months Ended 12/31/____

[illegible]

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[illegible]

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Note 1 – Uses a 365 day calendar year.

Note 2 – Actual end of year ADIT must be based solely on enacted tax law. No assumptions for future estimated changes in tax law may be forecasted.

A – Substantial portion, if not all, of the ADIT-282 balance is subject to proration. Explanation must be provided for any portion of balance not subject to proration.

B – Only amounts in ADIT-283 relating to Depreciation, if applicable, are subject to proration. See Line 44 in Attach 8c and 8d.

C – Only amounts in ADIT-190 related to net operating loss carryforwards, if applicable, are subject to proration. See Line 18 in Attach 8c and 8d.

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Attachment 8g
(Excess)/Deficient ADIT Worksheet
GridLiance Heartland LLC
Costs in the Year Ending ____

Line No.	Description	(A)	(B)	(C)	(D)	(E) = (C) + (D)	(F)	(G)	(H)	(I) = (C) / (F)	(J) = (D) / (G)	(K) = (I) + (J)
		(Excess)/Deficient ADIT as originally recorded at remeasurement (d)					Amortization Period (years)		Current Year Amortization			
			(Excess)/Deficient Deferred Income Taxes			Total				Amortization Amount		Total
		FERC Account No. (a)	Protected (Attachment 8h, Column G)	Unprotected (Attachment 8h, Column H)		Protected (f) (g)	Unprotected (g)	FERC Account No. (e)	Protected (f)	Unprotected	Total (g)	
	FERC Account 190											
1a			-	-	-					-	-	-
1[]		(b), []								-	-	-
1		(c)	-	-	-					-	-	-
	FERC Account 282											
2a			-	-	-					-	-	-
2[]		(b), []								-	-	-
2	Total FERC Account 282	(c)	-	-	-					-	-	-
3a			-	-	-					-	-	-
3[]		(b), []								-	-	-
3	Total FERC Account 283	(c)	-	-	-					-	-	-
4	TOTAL (Line 1 + Line 2 + Line 3)											
			-	-	-					-	-	-
	Summary by Account											
5	Account Total	182.3	-	-	-				410.1	-	-	-
6	Account Total	254	-	-	-				411.1	-	-	-
7			-	-	-							

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Attachment 8g
(Excess)/Deficient ADIT Worksheet
GridLiance Heartland LLC
Costs in the Year Ending ____

		(L)		(M)		(N) = (L) + (M)		(O) – (I)* -1		(P) = (J)* -1		(Q) = (O) + (P)		(R) = (L) + (O)		(S) = (M) + (P)		(T) = (R) + (S)		(U)
Line No.	Description	Unamortized (Excess)/Deficient ADIT (d)																		
		Beginning of Year Balance			Current Year Amortization			End of Year Balance												
		Protected	Unprotected	Total	Protected	Unprotected	Total	Protected	Unprotected	Total	Reference									
<hr/>																				
	FERC Account 190																			
1a		-	(h)	-	(h)	-	-	-	-	-	-	-	(k)	-	(k)	-				
1[]			(h)		(h)								(k)		(k)					
1		-		-		-	-	-	-	-	-	-		-		-				
<hr/>																				
	FERC Account 282																			
2a		-	(i)	-	(i)	-	-	-	-	-	-	-	(l)	-	(l)	-				
2[]			(i)		(i)								(l)		(l)					
2	Total FERC Account 282	-		-		-	-	-	-	-	-	-		-		-				
3a		-	(j)	-	(j)	-	-	-	-	-	-	-	(m)	-	(m)	-				
3[]			(j)		(j)								(m)		(m)					
3	Total FERC Account 283	-		-		-	-	-	-	-	-	-		-		-				
<hr/>																				
4	TOTAL (Line 1 + Line 2 + Line 3)	-		-		-	-	-	-	-	-	-		-		-				
<hr/>																				
<hr/>																				
Summary by Account																				
5	Account Total	-		-		-	-	-	-	-	-	-		-		-				
6	Account Total	-		-		-	-	-	-	-	-	-		-		-				
7		-		-		-	-	-	-	-	-	-		-		-				

Notes

- (a) Specifies ADIT accounts to which (excess) or deficient ADIT has been booked.
 (b) GridLiance Heartland LLC may add or modify notes to explain items without a FPA Section 205 filing.
 (c) Total equals the sum of sublines a through [], where [] is the last subline denoted by a letter. GridLiance Heartland LLC may add or remove sublines without a FPA Section 205 filing.
 (d) Enter credit balances as negatives.
 (e) (Excess)/deficient ADIT to be amortized to FERC Account 411.1 or 410.1, respectively.

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- (f) Amortization of excess (or deficient) deferred income taxes subject to ARAM will not begin until reversal occurs (*i.e.*, when the trend of book depreciation exceeding tax depreciation—or vice versa—reverses). Before reversal, values for such items will not be included in current year amortization.
- (g) In accordance with FERC guidance for ratemaking purposes, GridLiance Heartland LLC only grosses up the current year amortization value on Attachment O, Page 3/5, Line 26a; there is no gross-up to any values for accounting purposes.
- (h) FERC Form 1, page 234, column (b)
- (i) FERC Form 1, page 274, column (b)
- (j) FERC Form 1, page 276, column (b)
- (k) FERC Form 1, page 234, column (c)
- (l) FERC Form 1, page 275, column (k)
- (m) FERC Form 1, page 276, column (k)

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Attachment 8h
ADIT Remeasurement
Balances as of December 31, ____

	(A)	(B)	(C)	(D) = (B) x (C)	(E) = (D) x Line 9	(F) = (D) x Line 9	(G)	(H)	(I) = (E) - (F)
Line No.	Description	Pre-Tax Rate Change Balances	Allocation Note (a)	Tax Rate Change Balances	Tax Effected Balances Pre-Tax Rate Change	Tax Effected Balances Post-Tax Rate Change	(Excess)/Deficient Deferred IT Protected	(Excess)/Deficient Deferred IT Unprotected	(Excess)/Deficient Deferred IT Total
1a	FERC Account 190	-	-	-	-	-	-	-	-
1[]					-	-	-	-	-
1	Total FERC Account 190	-		-	-	-	-	-	-
2a	FERC Account 282	-	-	-	-	-	-	-	-
2[]					-	-	-	-	-
2	Total FERC Account 282	-		-	-	-	-	-	-
3a	FERC Account 283	-	-	-	-	-	-	-	-
3[]					-	-	-	-	-
3	Total FERC Account 283	-		-	-	-	-	-	-
4	Total ADIT (Line 1 + Line 2 + Line 3)	-		-	-	-	-	-	-

	<u>Tax Rates</u>	<u>Source</u>	<u>Pre Tax Rate</u>	<u>Post Tax Rate</u>
5	Federal		0.00%	0.00%
6	State		0.00%	0.00%
7	Combined Rate	$(1 - (((1 - \text{Line 6}) * (1 - \text{Line 5})) / (1 - \text{Line 6} * \text{Line 5} * \text{Line 13})))$	0.00%	0.00%
8	Federal (net of FBOS & SBOF)	(Line 7-Line 6)	0.00%	0.00%
9	Effective Tax Rate (net of tax exempt adjustment)	$(\text{Line 7} / (1 - \text{Line 7})) * ((1 - \text{Line 10}) / (1 + (\text{Line 7} / (1 - \text{Line 7}))))$	0.00%	0.00%
10	Tax Exempt Ownership Percentage		0.00%	0.00%

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GridLiance Heartland Rate Formula Template

41.0.0

11	Gross-Up Factor – net of TE [1/ (1-effective tax rate)]	(1/(1-Line 9))	0.00000	0.00000
12	Federal Benefit of State Rates (FBOS)	(Line 5*Line 6)	0.00000%	0.00000%
13	State Benefit of Federal Rate (SBOF)		0.00000%	0.00000%

Notes

This sheet is replicable for each remeasurement of (excess)/deficient deferred income taxes without an FPA Section 205 filing.

GridLiance Heartland LLC may add or modify notes to explain items without a FPA Section 205 filing.

(a) GridLiance Heartland LLC allocates total company ADIT between MISO Facilities and Non-MISO Facilities based on net plant ratios. The net plant ratio corresponding to the current year of remeasurement is used for all items listed here. Refer to page 106 of the FERC Form No. 1 for additional references.

Attachment 2 - Redlined Tariff Sheets

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GridLiance Heartland Rate Formula Template

~~40.0.0~~, 41.0.0

Attachment O – GLH

Page 1 of 5

For the 12 months ended 12/31/____

Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Lin e No.	(1)	(2)	(3)	(4)	(5)
		Source			Allocated Amount
1	GROSS REVENUE REQUIREMENT	(Page 3, Line 31)			\$ -
	REVENUE CREDITS	(Note S)	Total	Allocator	
2	Account No. 454	(Page 4, Line 34)	-	DA 1.00	-
2a	Account No. 456	(Page 4, Line 34a)	-	DA 1.00	-
3	Account No. 456.1	(Page 4, Line 37)	-	DA 1.00	-
4	Revenues from Grandfathered Interzonal Transactions	(Note R)	-	DA 1.00	-
5	Revenues from service provided by the ISO at a discount	MISO invoices	-	DA 1.00	-
6	TOTAL REVENUE CREDITS	(Sum of Lines 2 through 5)			-
6a	Adjustment to make Line 6b equal to zero if there is no revenue requirement associated with Schedules 7, 8 & 9				-
6b	NET REVENUE REQUIREMENT	(Line 1 minus Lines 6 & 6a) (Note KK)			\$ -
6c	Attachment O-GLH True-up Adjustment with Interest	Attachment 3, Page 1, Line 3, Col. (G)	-	DA 1.0000 0	-
7	NET REVENUE REQUIREMENT	(Line 6b plus Line 6c)			\$ -
	DIVISOR				
8	Average of 12 coincident system peaks for requirements (RQ) service			(Note A)	-
9	Plus 12 CP of firm bundled sales over one year not in Line 8			(Note B)	-
10	Plus 12 CP of Network Load not in Line 8			(Note C)	-

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GridLiance Heartland Rate Formula Template

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11	Less 12 CP of firm P-T-P over one year (enter negative)		(Note D)	-	
12	Plus Contract Demand of firm P-T-P over one year			-	
13	Less Contract Demand from Grandfathered Interzonal Transactions over one year (enter negative)		(Note R)	-	-
14	Less Contract Demands from service over one year provided by ISO at a discount (enter negative)			-	-
15	Divisor (sum Lines 8-14)			-	
16	Annual Cost (\$/kW/Yr)	(Line 7 / Line 15)		-	
17	Network & P-to-P Rate (\$/kW/Mo)	(Line 16 / 12)		-	
			Peak Rate		Off-Peak Rate
18	Point-To-Point Rate (\$/kW/Wk)	(Line 16 / 52; Line 16 / 52)	-	-	
19	Point-To-Point Rate (\$/kW/Day)	(Line 16 / 260; Line 16 / 365)	-	Capped at weekly rate	-
20	Point-To-Point Rate (\$/MWh)	(Line 16 / 4,160; Line 16 / 8,760 times 1,000)	-	Capped at weekly and daily rates	-
21	FERC Annual Charge(\$/MWh)	(Note E)	-	Short Term	- Short Term
22			-	Long Term	- Long Term

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GridLiance Heartland Rate Formula Template

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Attachment O – GLH

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For the 12 months ended 12/31/____

Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

	(1)	(2)	(3)		(4)	(5)
Line				Allocator		Transmission
No.	Source	Company Total	(Note JJ)			(Col 3 times Col 4)
	RATE BASE: (Notes Y & BB)					
	GROSS PLANT IN SERVICE					
1	Production	Attachment 4, Line 14, Col. (b)	-	NA	-	-
2	Transmission	Attachment 4, Line 14, Col. (c)	-	TP	-	-
3	Distribution	Attachment 4, Line 14, Col. (d)	-	NA	-	-
4	General & Intangible	Attachment 4, Line 14, Col. (e)	-	W/S	-	-
5	Common	Attachment 4, Line 14, Col. (f)	-	CE	-	-
6	TOTAL GROSS PLANT	(Sum of Lines 1 through 5)	-	GP=	-	-
	ACCUMULATED DEPRECIATION					
7	Production	Attachment 4, Line 14, Col. (k)	-	NA	-	-
8	Transmission	Attachment 4, Line 14, Col. (l)	-	TP	-	-
9	Distribution	Attachment 4, Line 14, Col. (m)	-	NA	-	-
10	General & Intangible	Attachment 4, Line 14, Col. (n)	-	W/S	-	-
11	Common	Attachment 4, Line 14, Col. (o)	-	CE	-	-
12	TOTAL ACCUM. DEPRECIATION	(Sum of Lines 7 through 11)	-			-
	NET PLANT IN SERVICE					
13	Production	(Line 1 - Line 7)	-			-
14	Transmission	(Line 2 - Line 8)	-			-
15	Distribution	(Line 3 - Line 9)	-			-
16	General & Intangible	(Line 4 - Line 10)	-			-
17	Common	(Line 5 - Line 11)	-			-
18	TOTAL NET PLANT	(Sum of Lines 13 through 17)	-	NP=	-	-

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GridLiance Heartland Rate Formula Template

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18a	CWIP Approved by FERC Order	Attachment 4, Line 14, Col. (g) (Note LL)	-	DA	1.00000	-
ADJUSTMENTS TO RATE BASE						
19	Reserved		-	NA	zero	-
20	Reserved		-	NA	zero	-
21	Reserved		-	NA	zero	-
22	ADIT	Attachment 8a or 8e, line 8, Col (e)	-	NP	---	-
23	Account No. 255 (enter negative)	Attachment 4, Line 28, Col. (h) (Note F)	-	NP	-	-
23a	Unamortized Regulatory Asset	Attachment 4, Line 28, Col. (b) (Note GG)	-	DA	1.00000	-
23b	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Notes X & FF)	-	DA	1.00000	-
23c	Unfunded Reserves (enter negative)	Attachment 4, Line 31, Col. h)	-	DA	1.00000	-
24	TOTAL ADJUSTMENTS	(Sum of Lines 19 through 23c)	-			-
25	LAND HELD FOR FUTURE USE	Attachment 4, Line 14, Col. (h) (Note G)	-	TP	-	-
WORKING CAPITAL						
26	CWC	(Note H) 1/8*(Page 3, Line 8 minus Page 3, Line 7b)	-			-
27	Materials & Supplies	Attachment 4, Line 14, Col. (i) (Note G)	-	TP	-	-
28	Prepayments (Account 165)	Attachment 4, Line 14, Col. (j)	-	GP	-	-
29	TOTAL WORKING CAPITAL	(Sum of Lines 26 through 28)	-			-
30	RATE BASE	(Sum of Lines 18, 18a, 24, 25 & 29)	-			-

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GridLiance Heartland Rate Formula Template

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For the 12 months ended 12/31/____

Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Line	(1)	(2)	(3)	(4)	(5)
					Transmission
No.		Source	Compa ny Total	Allocator (Note JJ)	(Col 3 times Col 4)
	O&M	(Note CC)			
1	Transmission	Attachment 5, Line 13, Col. (a)	-	TP	-
1a	Less Ancillary Service Expenses included in Transmission O&M Accounts (Note U)	Attachment 5, Line 13, Col. (l)	-	TP	-
1b	Less Account 566	Attachment 5, Line 13, Col. (b)	-	TP	-
2	Less Account 565	Attachment 5, Line 13, Col. (c)	-	TP	-
3	A&G	Attachment 5, Line 13, Col. (d)	-	W/S	-
4	Less FERC Annual Fees	Attachment 5, Line 13, Col. (e)	-	W/S	-
5	Less EPRI & Reg. Comm. Exp. & Non- safety Ad.	(Note I) Attachment 5, Line 13, Col. (f)	-	W/S	-
5a	Plus Transmission Related Reg. Comm. Exp.	(Note I) Attachment 5, Line 13, Col. (g)	-	TP	-
5b	Less PBOP Expense in Year	Attachment 7, Line 6	-	W/S	-
5c	Plus PBOP Expense Allowed Amount	Attachment 7, Line 8	-	W/S	-
6	Common	356.1	-	CE	-
7	Transmission Lease Payments	Attachment 5, Line 13, Col (h)	-	DA	1.0000
7a	Account 566				
7b	Amortization of Regulatory Asset	(Note GG) Attachment 5, Line 13, Col. (i)	-	DA	1.0000
7c	Miscellaneous Transmission Expense (less Amortization of Regulatory Asset)	Attachment 5, Line 13, Col .(j)	-	TP	-
7d	Total Account 566	(Line 7b plus Line 7c) Ties to 321.97.b			-

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GridLiance Heartland Rate Formula Template

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			-					
8	TOTAL O&M	(Sum of Lines 1, 3, 5a, 5c, 6, 7, & 7d less Lines 1a, 1b, 2, 4, 5, & 5b)	-					-
	DEPRECIATION EXPENSE	(Note BB)						
9	Transmission	Attachment 5, Line 13, Col. (k)	-	TP		-		-
10	General & Intangible	Attachment 5, Line 26, Col. (a)	-	W/S		-		-
11	Common	Attachment 5, Line 26, Col (l) (Notes X & FF) Attachment 5, Line 26, Col.	-	CE		-		-
11a	Amortization of Abandoned Plant	(b)	-	DA	1.0000			-
12	TOTAL DEPRECIATION	(Sum of Lines 9 through 11a)	-					-
	TAXES OTHER THAN INCOME TAXES LABOR RELATED	(Note J)						
13	Payroll	Attachment 5, Line 26, Col. (c)	-	W/S		-		-
14	Highway and vehicle	Attachment 5, Line 26, Col. (d)	-	W/S		-		-
15	PLANT RELATED							
16	Property	Attachment 5, Line 26, Col. (e)	-	GP		-		-
17	Gross Receipts	Attachment 5, Line 26, Col. (f)	-	NA	zero			-
18	Other	Attachment 5, Line 26, Col. (g)	-	GP		-		-
19	Payments in lieu of taxes	Attachment 5, Line 26, Col. (h)	-	GP		-		-
20	TOTAL OTHER TAXES	(Sum of Lines 13 through 19)	-					-
	INCOME TAXES	(Note K)						
21	T=1- $\frac{[(1-SIT) * (1 - FIT)] + [(1-SIT) * FIT - (p * FIT)]}{(1 - WCLTD/R)}$							-
22	CIT=(T/1-T) * (1-(WCLTD/R)) =							

(Note K) (~~Attachment 9, Col. 12, Line 12~~)

WCLTD = Page 4, Line 27; R = Page 4, Line 30

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	FIT, SIT & p	(Note K)	-			
23	1 / (1 - T) = (from Line 21)	1 / (1 - T) (T from Line 21)	-			
24	Amortized Investment Tax Credit	(enter negative) Attachment 5, Line 26, Col. (i)	-			
24a	(Excess)/Deficient Deferred Income Taxes	Attachment 8g, Line 4, Col. (K)	-			
24b	Tax Effect of Permanent Differences	Attachment 5, line 26, Col. (k) (Note II)	-			
25	Income Tax Calculation	(Line 22) times (Page 4, Line 30) times (Page 2, Line 30)	-			-
26	ITC adjustment	(Line 23 times Line 24)	-	NP	-	-
26a	(Excess)/Deficient Deferred Income Tax Adjustment	(Line 23 times Line 24a)	-	NP	-	-
26b	Permanent Differences Tax Adjustment	(Line 23 times Line 24b)	-	NP	-	-
27	Total Income Taxes	(Sum of Lines 25 through 26b)	-			-
RETURN						
28	Rate Base times Return	(Page 2, Line 30 times Page 4, Line 30, Col. (5))	-	NA		-
29	REV. REQUIREMENT	(Sum of Lines 8, 12, 20, 27 & 28)	-			-

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GridLiance Heartland Rate Formula Template

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30 LESS ATTACHMENT GG ADJUSTMENT [Attachment GG-GLH, Page 2, Line 17, Column 14] (Note V)
[Revenue Requirement for facilities included on Page 2, Lines 2, 18a, 23a, & 23b and

also included in Attachment GG]

-	DA	1.0000	-
---	----	--------	---

30a LESS ATTACHMENT MM ADJUSTMENT [Attachment MM-GLH, Page 2, Line 17, Column 14] (Note Z)
[Revenue Requirement for facilities included on Page 2, Lines 2, 18a, 23a, & 23b and

also included in Attachment MM]

-	DA	1.0000	-
---	----	--------	---

30b PLUS Incentives on Attachment 1 for projects other than those
included in Attachment MM-GLH and Attachment GG-GLH.

Attachment 1, line 18

-			-
---	--	--	---

30c Plus: Regulatory Adjustment

(Note OO)

-	DA	1.0000	-
---	----	--------	---

31 REV. REQUIREMENT TO BE COLLECTED UNDER
ATTACHMENT O
(Line 29 - Line 30 - Line 30a + Line 30b + Line 30c)

-			-
---	--	--	---

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GridLiance Heartland Rate Formula Template

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Attachment O – GLH

Page 4 of 5

For the 12 months ended 12/31/____

Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

(1)

(2)

(3)

(4)

(5)

**SUPPORTING
CALCULATIONS AND NOTES**

Line No.	TRANSMISSION PLANT INCLUDED IN ISO RATES					
1	Total Transmission plant	(Page 2, Line 2, Column 3)			-	
2	Less Transmission plant excluded from ISO rates	(Note L)			-	
3	Less Transmission plant included in OATT Ancillary Services	(Note M)			-	
4	Transmission plant included in ISO rates	(Line 1 minus Lines 2 & 3)			-	
5	Percentage of Transmission plant included in ISO Rates	(Line 4 divided by Line 1)			TP=	-
6 - 11	WAGES & SALARY ALLOCATOR (W&S)					
		Form 1 Reference	\$	TP	Allocation	
12	Production	354.20.b	-	-	-	
13	Transmission (Note MM)	354.21.b	-	-	-	
14	Distribution	354.23.b	-	-	-	GP (\$ / Allocation)
15	Other	354.24,25,26.b	-	-	-	
16	Total (sum lines 12-15) [If there are no labor dollars, input \$1 on line 13 which is then multiplied by the TP allocator on line 13]		-		-	= - = WS
	COMMON PLANT ALLOCATOR (CE) (Notes N and DD)		\$		% Electric	W&S Allocator

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GridLiance Heartland Rate Formula Template

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17	Electric	200.3.c	-	(Line 17 / Line 20)	(Line 16)	CE
18	Gas	200.3.d	-	-	*	-
19	Water	200.3.e	-		=	-
20	Total	(Sum of Lines 17 through 19)	-			
21 - 26	RETURN (R)					
				Cost	\$	
			\$ %		Weighted	
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34	- -	-	-	=WCLTD
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	- -	-	-	
29	Common Stock	(Notes O, Y and EE) Attachment 5, Line 36	- -	0.00%	-	
30	Total	(Sum of Lines 27 through 29)	-		0.00%	=R
	REVENUE CREDITS					
	ACCOUNT 447 (SALES FOR RESALE)	310 -311			Load	
31	a. Bundled Non-RQ Sales for Resale	311.x.h			-	
32	b. Bundled Sales for Resale included in Divisor on Page 1				-	
33	Total of (a)-(b)	(Note P)			-	
34	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)	(Note Q)			-	
34a	Account 456 (OTHER ELECTRIC REVENUES)	(Note NN)			-	
	ACCOUNT 456.1 (REVENUES FROM TRANSMISSION OF ELECTRICITY OF	330.x.n (Note T)				

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	OTHERS)		
35	a. Transmission charges for all transmission transactions		-
36	b. Transmission charges for all transmission transactions included in Divisor on Page 1		-
36a	c. Transmission charges from Schedules associated with Attachment GG	(Note W)	-
36b	d. Transmission charges from Schedules associated with Attachment MM	(Note AA)	-
37	Total of (a)-(b)-(c)-(d)		-

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GridLiance Heartland Rate Formula Template

~~40.0.0~~, 41.0.0

Attachment O-GLH

Page 5 of 5

Formula Rate – Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/____

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)
References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Note Letter

- A Peak as would be reported on Page 401, Column d of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- B Labeled LF, LU, IF, IU on Pages 310-311 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- C Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- D Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- E The FERC's annual charges for the year assessed the Transmission Owner for service under this formula rate. Only MISO-related items are included.
- F The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109. Balance of Account 255 is reduced by prior flow through and excluded if the utility chose to utilize amortization of tax credits against taxable income. Account 281 is not allocated.
- G Identified in Form 1 as being only transmission related.
- H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at Page 3, Line 8, Column 5 less Page 3, Line 7a. Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111 Line 57 in the Form 1.
- I Line 5 - EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 930.1. Line 5a - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- J Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- K The currently effective income tax rate, where FIT is the weighted average Federal income tax rate; SIT is the weighted average State income tax rate, and p = "the percentage of federal income tax deductible for state income taxes." If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/1-T) (Page 3, Line 26). Excess and Deficient Deferred Income Taxes reduce or increase income tax expense by the amount of the excess or deficient expense multiplied by (T/1-T) ([page 3, line 26a](#)).
- Inputs Required: FIT = ~~See Attachment 9~~ (Federal Income Tax Rate)
SIT = ~~See Attachment 9~~ (State Income Tax Rate or Composite SIT)
p = ~~See Attachment 9~~ (percent of federal income tax deductible for state purposes)
- L Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test) or removes transmission plant that is not under MISO functional control.
- M Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- N Enter dollar amounts.
- O ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. A 50 basis point adder for RTO participation may be added to the ROE up to the upper end of the zone of reasonableness established by FERC.

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GridLiance Heartland Rate Formula Template

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- P Page 4, Line 33 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1.
- Q Includes income related only to transmission facilities, such as pole attachments, rentals and special use, less any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- R Grandfathered agreements whose rates have been changed to eliminate or mitigate pancaking - the revenues are included in Line 4 Page 1 and the loads are included in Line 13, Page 1. Grandfathered agreements whose rates have not been changed to eliminate or mitigate pancaking - the revenues are not included in Line 4, Page 1 nor are the loads included in Line 13, Page 1. This line will exclude any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- S The revenues credited on Page 1, Lines 2-6 shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- T Account 456.1 entry shall be the annual total of the quarterly values reported at Form 1, Page 330.x.n, less any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to easily determine which revenues are related to MISO assets, and Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- U Includes scheduling, system control and dispatch costs recorded in Accounts 561.1 through 561.3 and which are recovered in Schedule 1 or Schedule 24 rates. Also excludes Account 561.4 and Account 561.8.
- V Pursuant to Attachment GG of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment GG.
- W Removes from revenue credits revenue that are distributed pursuant to Schedules associated with Attachment GG of the MISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment GG revenue requirements.
- X Page 2 Line 23b includes any unamortized balances related to the recovery of abandoned plant costs approved by FERC under a separate docket. Page 3, Line 11a includes the Amortization expense of abandonment costs. These are shown in the workpapers required pursuant to the Annual Rate Calculation and True-up Procedures.
- Y Calculate using 13 month average balance, reconciling to FERC Form No. 1 by Page, Line, and Column as shown in Attachment 4 for inputs on page 2 of 5 above, except ADIT, page 2, lines 19-22, which is on Attachment 8a or 8e and shown on Attachment 5. Calculate using 13 month average balance, reconciling to FERC Form No. 1 by Page, Line, and Column as shown in Attachment 5 for inputs on lines 27, 28 and 29 of page 4 of 5 above. For the first Rate Year, as defined in the Protocols, GLH will use thirteen months of balances in calculating the 13- month average for the determination of the projected net revenue requirement.
- Z Pursuant to Attachment MM of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment MM.
- AA Removes from revenue credits revenues that are distributed pursuant to Schedules associated with Attachment MM of the MISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment MM revenue requirements.
- BB Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC.
- CC Schedule 10-FERC charges should not be included in O&M recovered under this Attachment O.
- DD Calculate using a simple average of beginning of year and end of year balances reconciling to FERC Form No. 1 by Page, Line and Column as shown in Column 2.
- EE Prior to obtaining long term debt, the cost of debt will be the average 3-month LIBOR for the year plus 2.0%. LIBOR refers to the London Inter Bank Offer Rate from the Federal Reserve Bank of St. Louis's <https://fred.stlouisfed.org/>. The capital structure and cost of debt will be the weighted for the year if the long term debt is obtained midyear. However, if prior to obtaining long term debt, the company has short term debt, the cost of debt will be calculated pursuant to Attachment 5, note D. The capital structure will be 60% equity and 40% debt until any asset is placed in service, then it will be based on the actual capital structure, provided that during any period where the equity component of the actual capital structure is greater than 60%, company will reduce the equity component to a level not to exceed 60%. If the capital structure is reduced to 60% equity, the reduced ATRR as a result of capping the equity portion of GridLiance's capital structure at 60%, and the difference between these two values shall be provided by the company in its Annual True-up. The amount of debt in the capital structure will be equal to 1 minus the equity percentage.

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- FF Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant. Utility must submit a Section 205 filing to recover the cost of abandoned plant.
- GG Recovery of regulatory asset permitted only for pre-commercial and formation expenses and are subject to FERC approval before any Regulatory Asset amounts are included in rates. Recovery of any other regulatory assets requires authorization from the Commission. A carrying charge equal to the AFUDC rate will be applied to the regulatory asset prior to the rate year when costs are first recovered. Per Commission order dated January 31, 2020, in Docket No. EC20-13, the Regulatory Asset may not be included in rates until March 1, 2025.
- HH Reserved
- II The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment O-GLH that are not the result of a timing difference.
- JJ DA in the allocator Column means that the cost is directly assigned to transmission consistent with the attached workpapers.
- KK Round to zero if amount shown is not zero and there is no revenue requirement to recover under Schedules 7, 8, and 9 of the MISO OATT.
- LL AFUDC ceases when CWIP is recovered in rate base. No CWIP will be included in rate base on line 18a absent FERC authorization.
- MM It is possible GLH will not have any salaries and wages to report in the FERC Form No. 1 (that is page 4, lines 12-15 are zero), even if GLH has existing transmission assets in service. If and when this occurs page 4, line 13, column 3 will be input as 1.
- NN Includes revenue from electric operations properly credited to MISO customers and not includible in other accounts, such as compensation for minor or incidental services provided for others. GLH commits to provide a workpaper itemizing each revenue source for interested parties to determine which revenues should be reflected herein.
- OO Per Commission Order dated January 31, 2020 in Docket No. EC20-13, reflects a \$2,650,000 fixed annual credit amount for the four transmission lines to be transferred over to MISO's functional control, starting on the day after the closing date of the transaction in Docket No. EC20-13 and continuing for 60 months (Rate Mitigation Period). Also reflects an additional \$950,000 fixed annual credit amount for the remaining two transmission lines, once transferred over to MISO's functional control (expected to be on or about June 1, 2022) from the date of transfer of functional control to MISO and continuing for 60 months. Amount to be entered as negative.

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Attachment 1 (Note J)

Project Revenue Requirement Worksheet
GridLiance Heartland LLCTo be completed in conjunction with Attachment O - GLH.
(inputs from Attachment O - GLH are rounded to whole dollars)

Line No.	(1)	(2) Source Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach O, p 2, line 2 col 5 (Note A)	-	
1a	Transmission Accumulated Depreciation	Attach O, p 2, line 8 col 5	-	
1b	CWIP, Regulatory Asset, Abandoned Plant	Attach O, p 2, lines 18a, 23a & 23b (Note B)	-	
2	Net Transmission Plant - Total	Line 1 minus Line 1a plus Line 1b	-	
	O&M TRANSMISSION EXPENSE			
3	Total O&M Allocated to Transmission	Attach O, p 3, line 8 col 5	-	
3a	Transmission O&M	Attach O, p 3, line 1 col 5	-	
3b	Less: Ancillary Service Expenses included in above	Attach O, p 3, line 1a col 5	-	
3c	Less: Account 565 included in above, if any	Attach O, p 3, line 2 col 5, if any	-	
3d	Less: Account 566 Amort of Reg Asset included in 3a, if any	Attach O, p 3, line 7b col 5, if any	-	
3e	Adjusted Transmission O&M	Line 3a minus Lines 3b thru 3d	-	
4	Annual Allocation Factor for Transmission O&M	(Line 3e divided by line 1, col 3)	-	-
	OTHER O&M EXPENSE			
4a	Other O&M Allocated to Transmission	Line 3 minus Line 3e	-	
4b	Annual Allocation Factor for Other O&M	Line 4a divided by Line 1, col 3	-	-
	GENERAL, INTANGIBLE AND COMMON (G, I & C) DEPRECIATION EXPENSE			
5	Total G, I & C Depreciation Expense	Attach O, p 3, lines 10 & 11, col 5 (Note G)	-	
6	Annual Allocation Factor for G, I & C Depreciation Expense	(line 5 divided by line 1 col 3)	-	-
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach O, p 3, line 20 col 5	-	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	-	-
9	Annual Allocation Factor for Other Expense	Sum of line 4b, 6, and 8	-	-

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INCOME TAXES				
10	Total Income Taxes	Attach O, p 3, line 27 col 5	-	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	-	-
RETURN				
12	Return on Rate Base	Attach O, p 3, line 28 col 5	-	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	-	-
14	Annual Allocation Factor for Return	Sum of line 11 and 13 col 4		-

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GridLiance Heartland Rate Formula Template

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Attachment 1

Project Revenue Requirement Worksheet
GridLiance Heartland LLC

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Line No.	Project Name	MTEP # or Other Designation	Project Gross Plant	Project Accumulated Depreciation/A mortization	Transmission O&M Annual Allocation Factor	Annual Allocation for Transmission O&M Expense	Annual Allocation Factor for Other Expense	Annual Allocation for Other Expense	Annual Expense Charge	Project Net Plant
15			(Note C)		Page 1 line 4	Col. 3 * Col. 5	Page 1 line 9	Col. 3 * Col. 7	Col. 6 + Col. 8	(Note D)
15a	-	-	-	-	-	-	-	-	-	-
15b	-	-	-	-	-	-	-	-	-	-
15c	-	-	-	-	-	-	-	-	-	-
15d	-	-	-	-	-	-	-	-	-	-
15e	-	-	-	-	-	-	-	-	-	-
15f	-	-	-	-	-	-	-	-	-	-
15g	-	-	-	-	-	-	-	-	-	-
15h	-	-	-	-	-	-	-	-	-	-
15i	-	-	-	-	-	-	-	-	-	-
15j	-	-	-	-	-	-	-	-	-	-
15k	-	-	-	-	-	-	-	-	-	-
15l	-	-	-	-	-	-	-	-	-	-
15m	-	-	-	-	-	-	-	-	-	-

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15n	-	-	-	-	-	-	-	-	-	-	-
15o	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
16.	Annual Totals				-	-	-	-	-	-	-
17.	Rev. Req. Adj For Attachment O										
18.	Incentives from Projects other than those in Attachment GG- GLH and Attachment MM-GLH										

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GridLiance Heartland Rate Formula Template

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Attachment 1 (Note J)

Project Revenue Requirement Worksheet
GridLiance Heartland LLC

(11)	(12)	(13)	(14)	(15)	(16)	(16a)	(16b)	(17)	(18)	(19)	(20)
Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation/Amortization Expense	Annual Revenue Requirement	Incentive Return in basis Points	Incentive Return	Ceiling Rate	Regulatory Adjustment	Competitive Bid Concession	Total Annual Revenue Requirement	True-Up Adjustment	Net Revenue Requirement
Page 1 line 14	(Col. 10 * Col. 11)	(Note E)	(Sum Col. 9, 12 & 13)	Per FERC order (Note I)	(Attach 2, Line 28 * (Col. 15/100)* Col. 10)	(Sum Col. 14 & 16)	Attachment O, Line 30c (Note K)	(Note H) (Enter Negative)	(Sum Col. 16a, 16b & 17)	(Note F)	Sum Col. 18 & 19
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
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Notes:

- A. Gross Transmission Plant that is included on page 2 line 2 of Attachment O-GLH (see line 1 col (3)).
- B. Inclusive of any CWIP, unamortized abandoned plant and unamortized project-related regulatory asset included in rate base when authorized by FERC order. Excludes start-up regulatory asset (see line 1b, col. (3)).
- C. Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1. This value includes subsequent capital investments required to maintain the facilities to their original capabilities. Gross plant does not include any CWIP, unamortized abandoned plant or any regulatory asset (see line 15, col. (3)).
- D. Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation in col (4). Net Plant includes any CWIP in rate base, any project related regulatory asset and any Unamortized Abandoned Plant approved by the Commission (see line 15, col. (10)). Net plant does not include start-up regulatory asset.
- E. Project Depreciation Expense is the actual value booked in Attachment O-GLH, Page 3, line 9 that is associated with the specified project. Project Depreciation Expense includes the amortization of Abandoned Plant. However, if FERC grants accelerated depreciation for a project the depreciation rate authorized by FERC will be used instead of the rates shown on Attachment 6 for all other projects. Line 15, Col. (13). Includes project related regulatory assets.
- F. Project True-Up Adjustment is calculated on the Attachment GG - GLH and Attachment MM - GLH True-Up Template (see col. K). For projects other than Attachment GG or MM, the Project True-Up Adjustment is calculated on Attachment 3.
- G. The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in Line 15, col. 13.
- H. A Competitive Bid Concession reflects any commitment by GLH to MISO to charge less than GLH's Ceiling Rate, regardless of how that Competitive Bid Concession is calculated. For each project, the amount of the Competitive Bid Concession will be zero or a reduction to the annual transmission revenue requirement in one or more years. GLH will include, as part of its Annual Update, (i) an explanation of the basis for any Competitive Bid Concession, (ii) a calculation of the Competitive Bid Concession, and (iii) any documentation needed to support the calculation of the Competitive Bid Concession. The amount in Column 17 above equals the amount by which the annual revenue requirement is reduced from the ceiling rate (see line 15 col. (17)).
- I. Requires approval by FERC of incentive return applicable to the specified project(s) (see line 15, col. (15)).
- J. This Attachment 1 is a reconciliation or summary of Attachment GG - GLH and Attachment MM - GLH. The actual calculations for Attachment GG and MM projects used in developing rates will be those calculated in Attachment GG - GLH and Attachment MM - GLH. Attachment 1 may also consist of other projects, such as those which have received FERC approval for an incentive adder but are not Attachment GG or MM projects. The incentives associated with those projects will be added to the Attachment O-GLH revenue requirement on Attachment O, page 3, line 30b.
- K. Per Commission Order dated January 31, 2020 in Docket No. EC20-13, reflects a \$2,650,000 fixed annual credit amount for the four transmission lines to be transferred over to MISO's functional control, starting on the day after the closing date of the transaction in Docket No. EC20-13 and continuing for 60 months (Rate Mitigation Period). Also reflects an additional \$950,000 fixed annual credit amount for the remaining two transmission lines, once transferred over to MISO's functional control (expected to be on or about June 1, 2022) from the date of transfer of functional control to MISO and continuing for 60 months. Amount to be entered as negative.

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GridLiance Heartland Rate Formula Template

~~40.0.0~~, 41.0.0Attachment 2
Incentive Return
GridLiance Heartland LLC

	A	B	C	D	E	F	G	H	I	J
1	Rate Base		Attachment O-GLH, page 2, line 30, Col.5							-
2	100 Basis Point Incentive Return								\$	
							Cost			
				\$	%				Weighted	
3	Long Term Debt		Attachment O-GLH, Notes Y and EE	-	0%		0.00%		0.0000	
4	Preferred Stock		Attachment O-GLH, Notes Y and EE	-	0%		-		-	
5	Common Stock (Note A)	Cost = Attachment O, Line 29, Cost plus .01	Attachment O-GLH, Notes O, Y and EE	-	0%		11.82%		0.0000	
6	Total		Sum Lines 3 to 5	-					0.0000	
7	100 Basis Point Incentive Return multiplied by Rate Base		Line 1 * Line 6, Col. I							-
8	INCOME TAXES									
			Attachment O-GLH, Page 3, Line 21							
9	$T = \text{SIT} * (1 - \text{FIT}) + \text{FIT} - (p * \text{FIT})$			-						
10	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / R)) =$			-						
11	WCLTD = Line 3									
12	and FIT, SIT & p are as given in footnote K.									
13	$1 / (1 - T) =$ (from line 9)			-						
14	Amortized Investment Tax Credit (266.8f) (enter negative)		Attachment O-GLH, Page 3, Line 24	-						
15	Excess Deferred Income Taxes (enter negative)		Attachment O-GLH, Page 3, Line 24a	-						
16	Tax Effect of Permanent Differences (Note B)		Attachment O-GLH, Page 3, Line 24b	-						
17	Income Tax Calculation		Line 10 * Line 7	-		NA			-	
18	ITC adjustment		Line 13 * Line 14	-		NP	-			

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						-	
19	Excess Deferred Income Tax Adjustment	Line 13 * Line 15	-	NP	-	-	
20	Permanent Differences Tax Adjustment	Line 13 * Line 16	-	NP	-	-	
21	Total Income Taxes	Sum Lines 17 - 20	-			-	-
22	Return and Income Taxes with 100 basis point increase in ROE						-
23	Return	Attach. O, Page 3, Line 28, Col. 5					-
24	Income Tax	Attach. O, Page 3, Line 27, Col. 5					-
25	Return and Income Taxes without 100 basis point increase in ROE	Sum Lines 23 and 24				-	
26	Incremental Return and Income Taxes for 100 basis point increase in ROE	Line 22 less Line 25				-	
27	Rate Base	Line 1				-	
28	Incremental Return and Income Taxes for 100 basis point increase in ROE divided by Rate Base	Line 26 / Line 27				-	

Notes:

- A. Line 5 includes a 100 basis point increase in ROE that is used only to determine the increase in return and income taxes associated with a 100 basis point increase in ROE. Any ROE incentive must be approved by the Commission.
For example, if the Commission were to grant a 137 basis point ROE incentive, the increase in return and taxes for a 100 basis point increase in ROE would be multiplied by 1.37 on Attachment 1, column 16.
- B. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment O-GLH that are not the result of a timing difference.

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Page 1

Attachment 3 (Note 3)

Project True – Up
GridLiance Heartland LLC

1	Year			Annual True-Up Calculation			
	A	B	C	D	E	F	G
	MTEP Project Number	Project Name	Adjusted Net Revenue Requirement ¹	Revenue Received ²	Net Under/(Over) Collection (C-D)	Interest Income (Expense)	Total True-Up Adjustment (E + F)
2			-	-	-	-	-
2a			-	-	-	-	-
2b			-	-	-	-	-
2c			-	-	-	-	-
2d			-	-	-	-	-
3	Total		-	-	-	-	-

1) From Attachment GG - GLH True-Up Calculation, Column G and Attachment MM - GLH True-Up Calculation, Column G, and Attachment O-GLH.

2) The "revenue received" is the total amount of revenue distributed to GLH in the True-Up Year. Attachment O, Lines 36a -37, page 4 of 5 of Attachment O – GLH.

3) This Attachment 3 is a summary of the Attachment GG -GLH True-Up Calculation and the Attachment MM - GLH True-Up Calculation. The Attachment O - GLH True-Up is the actual True-Up calculation.

For each project or Attachment O-GLH, the utility will populate the formula rate with the inputs for the True-Up Year. The revenue requirements, based on actual operating results for the True-Up Year, associated with the projects and Attachment O-GLH will then be entered in Col. (C) above. Column (D) contains the actual revenues received associated with Attachment GG-GLH, Attachment MM-GLH and Attachment O-GLH paid by MISO to the utility during the True-Up Year. Col. (E) is the Net Under/(Over) Collection where Col. (D) is subtracted from Col. (C). Column (F), line 2 is the interest calculated in accordance with Attachment O-GLH Annual True-Up, Information Exchange and Challenge Procedures. Column (F), lines 2x contain the interest amounts calculated in column (J) of the Annual Attachment GG True-Up Calculation and the Annual Attachment MM True-Up Calculation. Col. (G) is the sum of the Net Under/(Over) Collection in Col. (E) and the interest in Col. (F).

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FERC Refund Interest Rate

	(a)	(b)	(c)	(d)
		Quarter	Year	Quarterly Interest Rate under Section 35.19(a)
4	Interest Rate:			
5		1st Qtr.	-	-
6		2nd Qtr	-	-
7		3rd Qtr	-	-
8		4th Qtr	-	-
9		1st Qtr	-	-
10		2nd Qtr	-	-
11		3rd Qtr	-	-
12		Sum lines 5-11		-
13	Avg. Monthly FERC Rate	Line 12 divided by 7		-

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Attachment 4

Rate Base Worksheet (Page 2 of Attachment O – GLH)
GridLiance Heartland LLC

		Gross Plant In Service (Attachment O, Note Y and BB)					CWIP	LHFFU	Working Capital	Accumulated Depreciation (Attachment O, Note Y and BB)					
Line No	Month	Production	Transmission	Distribution	General & Intangible	Common	CWIP (Note C)	Land Held for Future Use	Materials & Supplies	Prepayments	Production	Transmission	Distribution	General & Intangible	Common
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	FN1 Reference for Dec	205.46	207.58	207.75	205.5.g & 207.99.g	356.1	216.x.b	214.x.d	227.5.c, 227.8.c & 227.16.c	111.57.c	219.20-24.c	219.25.c	219.26.c	219.28.c & 200.21.c	356.1
1	December	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Prior Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	January	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	February	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	March	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	April	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	June	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	July	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	August	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	September	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	October	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	November	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	December	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Average of the 13 Monthly Balances	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Adjustments to Rate Base (Attachment O, Note Y)

Line No	Month	Unamortized Regulatory Asset	Unamortized Abandoned Plant	Reserved	Reserved	Reserved	Reserved	Account No. 255 Accumulated Deferred Investment Credit (Note D)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	FN1 Reference for Dec	Notes A & E	Notes B & F					Consistent with 266.8.b & 267.8.h
15	December Prior Year	- -		-	-	-	-	-
16	January	- -		-	-	-	-	-
17	February	- -		-	-	-	-	-
18	March	- -		-	-	-	-	-
19	April	- -		-	-	-	-	-
20	May	- -		-	-	-	-	-
21	June	- -		-	-	-	-	-
22	July	- -		-	-	-	-	-
23	August	- -		-	-	-	-	-
24	September	- -		-	-	-	-	-

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25	October	-	-	-	-	-	-	-	-
26	November	-	-	-	-	-	-	-	-
27	December	-	-	-	-	-	-	-	-
28	Average of the 13 Monthly Balances -	-	-	-	-	-	-	-	-

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Attachment 4

Rate Base Worksheet (Page 2 of Attachment O – GLJH)
GridLiance Heartland LLC

Line No	Unfunded Reserves (Note G)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
					Enter 1 if NOT in a trust or reserved account, enter zero (0) if included in a trust or reserved account	Enter 1 if the accrual account is included in the formula rate, enter zero (0) if the accrual account is NOT included in the formula rate	Enter the percentage paid for by customers, 1 less the percent associated with an offsetting liability on the balance sheet	Allocation (Plant or Labor Allocator)	Amount Allocated, col. (c) x col. (d) x col. (e) x col. (f) x col. (g)
29	List of all reserves:	Amount							
30a	Reserve 1	-		-		-	-	-	-
30b	Reserve 2	-		-		-	-	-	-
30c	Reserve 3								-
30d	Reserve 4								-
30e	...								-
30f	...	-		-					-
31	Total	-							-

\$0.00

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Notes:

- A. Recovery of regulatory asset is limited to any regulatory assets authorized by FERC.
- B. Recovery of abandoned plant is limited to any abandoned plant recovery authorized by FERC.
- C. Includes only CWIP authorized by the Commission for inclusion in rate base. The Annual Update will include for each project under construction (i) the CWIP balance eligible for inclusion in rate base; (ii) the CWIP balance ineligible for inclusion in rate base; and (iii) a demonstration that AFUDC is only applied to the CWIP balance that is not included in rate base. The Annual Update will reconcile the project-specific CWIP balances to the total Account 107 CWIP balance reported on p. 216.b of the FERC Form 1
- D. Accumulated Deferred Income Tax Credits are computed on Attachments 8a and 8b
- E. Recovery of a Regulatory Asset is permitted only for pre-commercial and formation expenses, and is subject to FERC approval before the amortization of the Regulatory Asset can be included in rates. Recovery of any other regulatory assets requires authorization from the Commission. A carrying charge equal to the AFUDC rate will be applied to the Regulatory Asset prior to the rate year when costs are first recovered.
- F. Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant.
- G. The Formula Rate shall include a credit to rate base for all unfunded reserves (funds collected from customers that (1) have not been set aside in a trust, escrow or restricted account; (2) whose balance are collected from customers through cost accruals to accounts that are recovered under the Formula Rate; and (3) exclude the portion of any balance offset by a balance sheet account). Each unfunded reserve will be included on lines 30 above. The allocator in Col. (g) will be the same allocator used in the formula for the cost accruals to the account that is recovered under the Formula Rate. Reserves can be created by capital contributions from customers, by debiting the reserve and crediting a liability, or a combination of customer capital contribution and offsetting liability. Only the portion of a reserve that was created by customer contributions should be a reduction to rate base. For reserves that be created partially through customer contributions and partially by an offsetting liability, enter in column (f) the percentage of the reserve that was contributed by customers.

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GridLiance Heartland Rate Formula Template

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Attachment 5

Attachment O – GLH, Page 3 Worksheet
GridLiance Heartland LLC

Line No.	Month	Transmissi on O&M Expenses	Account No. 566 (Misc. Trans. Expense)	Account No. 565	A&G Expen ses	FERC Annual Fees	EPRI & Reg. Comm. Exp. & Non- safety Ad.	Transmis sion Related Reg. Comm. Exp.	Transmis sion Lease Payment s	Amorti zation of Regulat ory Asset	Miscellaneous Transmission Expense (less Amortization of Regulatory Asset)	Depreciation Expense - Transmission (Attachment O - GLH, Note BB)	Less Ancillary Service Expenses included in Transmissio n O&M Accounts
Attachment O - GLH, Page 3, Line Number		1 (a)	1b (b)	2 (c)	3 (d)	4 (e) Attach ment O - GLH, Note I	5 (f) Attachment O - GLH, Note I	5a (g) Attachm ent O - GLH, Note I	7 (h)	7b (i)	7c (j)	9 (k)	1a (l) Attachment O - GLH, Note U
FERC Form 1 Reference		321.112.b	321.97.b	321.96.b	323.19 7.b					321.97. b	321.97.b	336.7.f	
1	January	-	-	-	-	-	-	-	-	-	-	-	-
2	February	-	-	-	-	-	-	-	-	-	-	-	-
3	March	-	-	-	-	-	-	-	-	-	-	-	-
4	April	-	-	-	-	-	-	-	-	-	-	-	-
5	May	-	-	-	-	-	-	-	-	-	-	-	-
6	June	-	-	-	-	-	-	-	-	-	-	-	-
7	July	-	-	-	-	-	-	-	-	-	-	-	-
8	August	-	-	-	-	-	-	-	-	-	-	-	-
9	September	-	-	-	-	-	-	-	-	-	-	-	-
10	October	-	-	-	-	-	-	-	-	-	-	-	-

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11	November	-	-	-	-	-	-	-	-	-	-	-	-
12	December	-	-	-	-	-	-	-	-	-	-	-	-
13	Total	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
		-	-	-	-	-	-	-	-	-	-	-	-

		Depreciation Expense - General & Intangible (Attachment O - GLH, Note BB)	Amortization of Abandoned Plant	Payroll Taxes	Highway & Vehicle Taxes	Property Taxes	Gross Receipts Taxes	Other Taxes	Payments in lieu of Taxes	Amortized Investment Tax Credit (266.8f)	Reserved	Tax Effect of Permanent Differences	Depreciation Expense - Common (Attachment O - GLH, Note BB)
Attachment O, Page 3, Line Number		10 (a)	11a (b)	13 (c)	14 (d)	16 (e)	17 (f)	18 (g)	19 (h)	24 (i)	(j)	24b (k)	11 (l)
FERC Form 1 Reference		336.10.f & 336.1.f	Attachment O - GLH, Note X & FF	263.i	263.i	263.i	263.i	263.i		266.8.f			336.11.f
14	January	-	-	-	-	-	-	-	-	-	-	-	-
15	February	-	-	-	-	-	-	-	-	-	-	-	-
16	March	-	-	-	-	-	-	-	-	-	-	-	-
17	April	-	-	-	-	-	-	-	-	-	-	-	-
18	May	-	-	-	-	-	-	-	-	-	-	-	-
19	June	-	-	-	-	-	-	-	-	-	-	-	-
20	July	-	-	-	-	-	-	-	-	-	-	-	-
21	August	-	-	-	-	-	-	-	-	-	-	-	-
22	September	-	-	-	-	-	-	-	-	-	-	-	-

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		-	-	-	-	-	-	-	-	-	-	-	-
23	October	-	-	-	-	-	-	-	-	-	-	-	-
24	November	-	-	-	-	-	-	-	-	-	-	-	-
25	December	-	-	-	-	-	-	-	-	-	-	-	-
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
26	Total	-	-	-	-	-	-	-	-	-	-	-	-

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27 RETURN (R) (Attachment O-GLH,
Notes O, Y, and EE)

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
28		Long Term Interest (117, sum of 62.c through 67.c)						-			
29		Preferred Dividends (118.29c) (positive number)						-			
30		Proprietary Capital (112.16.c)						-			
31		Less Preferred Stock (line 35, col. (d))						-			
32		Less Account 216.1 (112.12.c)						-			
33		Common Stock						-			

					Cost Rates		Weighte d	
			\$	%				
34	Long Term Debt	Note A and Note D	-	-	-	-	-	=WCLTD
35	Preferred Stock (112.3.c)	Note B	-	-	-	-	-	
36	Common Stock	Note C	-	-	-	-	-	
37	Total	(Sum of Lines 34 through 36)						=R

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Note:

A Long Term debt balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 lines 18.c to 21.c in the Form No. 1, the cost is calculated by dividing line 28 by the Long Term Debt balance in line 34.

B Preferred Stock balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 line 3.c in the Form No. 1, the cost is calculated by dividing line 29 by the Preferred Stock balance in line 35.

C Common Stock balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 lines 3.c 12.c, 16.c in the Form No. 1 as shown on lines 30-33 above

D If the company has short-term debt prior to issuing long-term debt, line 34 will reflect the outstanding short-term debt and cost rates only until long term debt is issued, as calculated below:

Short-term debt outstanding	The 13 month average of the balances consistent with "S", the average short-term debt balance pursuant to Part 101 of the Commission's Regulations, Electric Plant Instruction 17
Short-term debt cost	The interest "s", the short-term debt interest rate pursuant to Part 101 of the Commission's Regulations, Electric Plant Instruction 17

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Attachment 6

Depreciation Rates
GridLiance Heartland LLC

<u>FERC ACCOUNT</u>	<u>DESCRIPTION</u>	<u>RATE PERCENT</u>
<u>TRANSMISSION</u>		
350	Land Rights	N/A
352	Structures and Improvements	1.5397%
353	Station Equipment	2.0285%
354	Towers and Fixtures	1.8847%
355	Poles and Fixtures	2.1496%
356	Overhead Conductors & Devices	2.0973%
357	Underground Conduit	1.3665%
358	Underground Conductors & Devices	1.8416%
359	Roads and Trails	0.0000%
<u>GENERAL AND INTANGIBLE</u>		
302	Franchises and Consents (Note 1)	N/A
303	Intangible Plant - 5 Year	20.0000%
390	Structures and Improvements	2.1194%
391	Office Furniture and Equipment	5.0671%
391	Network Equipment	25.0000%
392	Transportation Equipment - Auto	10.9667%
392	Transportation Equipment - Light Truck	8.4139%
392	Transportation Equipment - Trailers	6.9486%
392	Transportation Equipment - Heavy Trucks	7.2364%
393	Stores Equipment	5.0000%
394	Tools, Shop and Garage Equipment	6.6672%
395	Laboratory Equipment	10.0000%
396	Power Operated Equipment	8.4139%
397	Communication Equipment	11.1110%

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Miscellaneous Equipment

6.6672%

Note 1:
Electric Intangible Franchises and Transmission Land Rights are amortized over the life of the franchise agreement or land right.

Note 2:
GLH’s depreciation and amortization rates may not be changed absent a section 205 or 206 filing.

Attachment 7
PBOPs
GridLiance Heartland LLC

Calculation of PBOP Expenses

Line No.			Year Ended December 31, ____
1			
2	Total PBOP expenses	Note A	-
3	Labor dollars	Note A	-
4	Cost per labor dollar	Line 2 divided by line 3	-
5	labor (labor not capitalized) current year	(Note B)	-
6	PBOP Expense for current year	Line 4 times line 5	-
7	Lines 2 and 3 cannot change absent approval or acceptance by FERC in a separate proceeding.		
8	PBOP amount included in Company's O&M and A&G expenses in Form No. 1		-

Note
Letter

A. Amounts will be zero until changed pursuant to a FERC order.

B The sum of all labor included in accounts 560 to 579 and 920 to 935.

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Attachment 8a - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (Projection)

GridLiance Heartland LLC

Projection for the 12 months ended 12/31/____

Ln	Item						
		A	B	C	D	E (Sum Col. B, C & D)	
			Transmission Related	Plant Related	Labor Related	Total	
1	ADIT-282 (enter negative)		-	-	-		Line 12
2	ADIT-283 (enter negative)		-	-	-		Line 16
3	ADIT-190		-	-	-		Line 21
4	Subtotal		-	-	-		Sum of Lines 1-3
5	Wages & Salary Allocator				-		Attachment-O Page 4 line 16
6	Net Plant Allocator			-			Attachment-O Page 2 line 6
7	Total Plant Allocator		1.00				100%
8	Projected ADIT Total		-	-	-		Enter as negative Attachment-O, page 2, line 22
	(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Balance	(e) Transmission Related	(f) Plant Related	(g) Labor Related
ADIT -282	Balance-BOY (Attach 8c, Line 30)	December	-	-	-	-	-
9	EOY (Attach 8d, Line 30 less Line 26)	December	-	-	-	-	-
10	Balance-EOY Prorated (Attach 8b, Line 14)	December	-	-	-	-	-
11	ADIT 282-Total (Lines 10+11)			-	-	-	-
12				-	-	-	-
ADIT							

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13	Balance-BOY (Attach 8c, Line 44)	December	-	-	-	-	-
14	EOY (Attach 8d, Line 44 less Line 40)	December	-	-	-	-	-
15	EOY Prorated (Attach 8b, Line 28)	December	-	-	-	-	-
16	ADIT 283-Total (Lines 14+15)			-	-	-	-

ADIT

-190

17	Balance-BOY (Attach 8c, Line 18)	December	-	-	-	-	-
18	EOY (Attach 8d, Line 18 less Line 14)	December	-	-	-	-	-
19	EOY Prorated (Attach 8b, Line 42)	December	-	-	-	-	-
20	ADIT 190-Total (Lines 18+19)			-	-	-	-

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GridLiance Heartland Rate Formula Template

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Attachment 8b - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (Projection)

GridLiance Heartland LLC

Projection for the 12 months ended 12/31/____

	(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Weighting for Projection	(e) Beginning Balance/ Monthly Increment	(f) Transmission	(g) Transmission Proration (d) x (f)	(h) Plant Related	(i) Plant Proration (d) x (h)	(j) Labor Related	(k) Labor Proration (d) x (j)
ADIT-282-Proration-Note A											
1	Balance (Attach 8c, Line 30)	December	-	100.00%	-	-	-	-	-	-	-
2	Increment	January	-	91.78%	-	-	-	-	-	-	-
3	Increment	February	-	84.11%	-	-	-	-	-	-	-
4	Increment	March	-	75.62%	-	-	-	-	-	-	-
5	Increment	April	-	67.40%	-	-	-	-	-	-	-
6	Increment	May	-	58.90%	-	-	-	-	-	-	-
7	Increment	June	-	50.68%	-	-	-	-	-	-	-
8	Increment	July	-	42.19%	-	-	-	-	-	-	-
9	Increment	August	-	33.70%	-	-	-	-	-	-	-
10	Increment	September	-	25.48%	-	-	-	-	-	-	-
11	Increment	October	-	16.99%	-	-	-	-	-	-	-
12	Increment	November	-	8.77%	-	-	-	-	-	-	-
13	Increment	December	-	0.27%	-	-	-	-	-	-	-
14	ADIT 282-Prorated EOY Balance				-	-	-	-	-	-	-

ADIT-283-Proration-Note B

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15	Balance (Attach 8c, Line 44)	December	-	100.00%	-	-	-	-	-	-
16	Increment	January	-	91.78%	-	-	-	-	-	-
17	Increment	February	-	84.11%	-	-	-	-	-	-
18	Increment	March	-	75.62%	-	-	-	-	-	-
19	Increment	April	-	67.40%	-	-	-	-	-	-
20	Increment	May	-	58.90%	-	-	-	-	-	-
21	Increment	June	-	50.68%	-	-	-	-	-	-
22	Increment	July	-	42.19%	-	-	-	-	-	-
23	Increment	August	-	33.70%	-	-	-	-	-	-
24	Increment	September	-	25.48%	-	-	-	-	-	-
25	Increment	October	-	16.99%	-	-	-	-	-	-
26	Increment	November	-	8.77%	-	-	-	-	-	-
27	Increment	December	-	0.27%	-	-	-	-	-	-
28	ADIT 283-Prorated EOY Balance				-	-	-	-	-	-
ADIT-190-Proration-Note C										
29	Balance (Attach 8c, Line 18)	December	-	100.00%	-	-	-	-	-	-
30	Increment	January	-	91.78%	-	-	-	-	-	-
31	Increment	February	-	84.11%	-	-	-	-	-	-
32	Increment	March	-	75.62%	-	-	-	-	-	-
33	Increment	April	-	67.40%	-	-	-	-	-	-
34	Increment	May	-	58.90%	-	-	-	-	-	-

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35	Increment	June	-	50.68%	-	-	-	-	-	-
36	Increment	July	-	42.19%	-	-	-	-	-	-
37	Increment	August	-	33.70%	-	-	-	-	-	-
38	Increment	September	-	25.48%	-	-	-	-	-	-
39	Increment	October	-	16.99%	-	-	-	-	-	-
40	Increment	November	-	8.77%	-	-	-	-	-	-
41	Increment	December	-	0.27%	-	-	-	-	-	-
42	ADIT 190-Prorated EOY Balance				-	-	-	-	-	-

Note 1: Uses a 365 day calendar year.

Note 2: Projected end of year ADIT must be based solely on enacted tax law. No assumptions for future estimated changes in tax law may be forecasted.

A. Substantial portion, if not all, of the ADIT-282 balance is subject to proration. Explanation must be provided for any portion of balance not subject to proration.

B. Only amounts in ADIT-283 relating to Depreciation, if applicable, are subject to proration. See Line 44 in Attach 8c and 8d.

C. Only amounts in ADIT-190 related to net operating loss carryforwards, if applicable, are subject to proration. See Line 18 in Attach 8c and 8d.

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~~40.0.0~~, 41.0.0Attachment 8c - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)
Projection for the 12 months ended 12/31/____

Page 1 of 2

Ln	Item	Transmission Related	Plant Related	Labor Related	
1	ADIT-282	-	-	-	Line 30
2	ADIT-283	-	-	-	Line 44
3	ADIT-190	-	-	-	Line 18
4	Subtotal	-	-	-	Sum of Lines 1-4

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately. For ADIT directly related to project depreciation or CWIP, the balance will be shown in a separate row for each project.

	A	B	C	D	E	F	G
	ADIT-190	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
5							
6							
7							
8							
9							
10							
11							
12	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 1, Column L)						
13	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 1, Column M)						
14	NOL Carryforward						Amount subject to Proration
15	Subtotal - p234.b	-	-	-	-	-	
16	Less FASB 109 Above if not separately removed						

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17	Less FASB 106 Above if not separately removed						
18	Total	-	-	-	-	-	

Instructions for Account 190:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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Attachment 8c - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)

Page 2 of 2

Projection for the 12 months ended 12/31/____

	A	B	C	D	E	F	G
	ADIT- 282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
19	-	-		-			0
20							
21							
22							
23							
24	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 2, Column L)						
25	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 2, Column M)						
26	Plant Items						Amount subject to Proration
27	Subtotal - p274.b	-	-	-	-	-	
28	Less FASB 109 Above if not separately removed						
29	Less FASB 106 Above if not separately removed						
30	Total		-	-	-	-	

Instructions for Account 282:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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	A	B	C	D	E	F	G
	ADIT- 283	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
31							
32							
33							
34							
35							
36							
37							
38	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 3, Column L)						
39	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 3, Column M)						
40	Depreciation Items						Amount subject to Proration
41	Subtotal - p276.b	-	-	-	-	-	
42	Less FASB 109 Above if not separately removed						
43	Less FASB 106 Above if not separately removed						
44	Total	-	-	-	-	-	

Instructions for Account 283:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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Attachment 8d - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)

Page 1 of 2

Projection for the 12 months ended 12/31/____

Ln	Item	Transmission Related	Plant Related	Labor Related
1	ADIT- 282	-	-	- Line 30
2	ADIT-283	-	-	- Line 44
3	ADIT-190	-	-	- Line 18
4	Subtotal	-	-	- Sum of Lines 1-4

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately. For ADIT directly related to project depreciation or CWIP, the balance will be shown in a separate row for each project.

	A	B	C	D	E	F	G
	ADIT-190	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
5							
6							
7							
8							
9							

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10						
11						
12	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 1, Column R)					
13	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 1, Column S)					
14	NOL Carryforward					Amount subject to Proration
15	Subtotal - p234.c	-	-	-	-	-
16	Less FASB 109 Above if not separately removed					
17	Less FASB 106 Above if not separately removed					
18	Total	-	-	-	-	-

Instructions for Account 190:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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Attachment 8d - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)

Page 2 of 2

Projection for the 12 months ended 12/31/____

	A	B	C	D	E	F	G
	ADIT-282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
1							
9							
2							
0							
2							
1							
2							
2							
2							
3							
2	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 2, Column R)						
4							
2	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 2, Column S)						
5							
2	Plant Items						Amount subject to Proration
6							
2	Subtotal - p275.k	-	-	-	-	-	
7							
2	Less FASB 109 Above if not separately removed						
8							
2	Less FASB 106 Above if not separately removed						
9							
3	Total	-	-	-	-	-	
0							

Instructions for Account 282:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F

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5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

	A	B	C	D	E	F	G
	ADIT-283	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
31							
32							
33							
34							
35							
36							
37							
38	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 3, Column R)						
39	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 3, Column S)						
40	Depreciation Items						Amount subject to Proration
41	Subtotal - p277.k	-	-	-	-	-	
42	Less FASB 109 Above if not separately removed						
43	Less FASB 106 Above if not separately removed						
44	Total	-	-	-	-	-	

Instructions for Account 283:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

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Attachment 8e - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (True-Up)

GridLiance Heartland LLC

Projection for the 12 months ended 12/31/____

Ln	A Item	B Transmission Related	C Plant Related	D Labor Related	E (Sum Col. B, C & D) Related	
1	ADIT-282	-	-	-		Line 12
2	ADIT-283	-	-	-		Line 16
3	ADIT-190	-	-	-		Line 20
4	Subtotal	-	-	-		Sum of Lines 1-3
5	Wages & Salary Allocator			-		Attachment-O Page 4 line 16
6	Net Plant Allocator		-			Attachment-O Page 2 line 6
7	Total Plant Allocator	1.00				100%
8	ADIT True-Up Total	-	-	-	-	Enter as negative Attachment-O, page 2, line 22

	(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Balance	(e) Transmission Related	(f) Plant Related	(g) Labor Related
ADIT-282							
9	Balance-BOY (Attach 8c, Line 30)	December	-	-	-	-	-
10	Balance-EOY (Attach 8d, Line 30 less Line 26)	December	-	-	-	-	-
11	Balance-EOY-Prorated (Attach 8f, Line 14)	December	-	-	-	-	-
12	Balance-EOY-Total (Lines 10+11)			-	-	-	-

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ADIT-283

13	Balance-BOY (Attach 8c, Line 44)	December	-	-	-	-	-
14	Balance-EOY (Attach 8d, Line 44 less Line 40)	December	-	-	-	-	-
15	Balance-EOY-Prorated (Attach 8f, Line 28)	December	-	-	-	-	-
16	Balance-EOY-Total (Lines 14+15)			-	-	-	-

ADIT-190

17	Balance-BOY (Attach 8c, Line 18)	December	-	-	-	-	-
18	Balance-EOY (Attach 8d, Line 18 less Line 14)	December	-	-	-	-	-
19	Balance-EOY-Prorated (Attach 8f, Line 42)	December	-	-	-	-	-
20	Balance-EOY-Total (Lines 18+19)			-	-	-	-

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GridLiance Heartland Rate Formula Template

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Attachment 8f - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (True-up)

GridLiance Heartland LLC

For the 12 Months Ended 12/31/____

				Transmission									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Beginning Balance & Monthly Changes	Month	Year	Weighting for Projection	Monthly Increment	Proration (d) x (e)	Prorated Projected Balance (Cumulative Sum of f)	Actual Monthly Activity	Difference between projected and actual activity (h)-(e)	Partially prorate actual activity above Monthly projection	Partially prorate actual activity below Monthly projection but increases ADIT	Partially prorate actual activity below Monthly projection and is a reduction to ADIT	Partially prorated actual balance	
ADIT-282-Proration-Note													
A													
Balance (Attach 8c, Line 30)	December	-	100.00 %			-						-	
Increment	January	-	91.78 %	-	-	-	-	-	-	-	-	-	
Increment	February	-	84.11 %	-	-	-	-	-	-	-	-	-	
Increment	March	-	75.62 %	-	-	-	-	-	-	-	-	-	
Increment	April	-	67.40 %	-	-	-	-	-	-	-	-	-	
Increment	May	-	58.90 %	-	-	-	-	-	-	-	-	-	
Increment	June	-	50.68 %	-	-	-	-	-	-	-	-	-	
Increment	July	-	42.19 %	-	-	-	-	-	-	-	-	-	
Increment	August	-	33.70 %	-	-	-	-	-	-	-	-	-	
Increment	September	-	25.48 %	-	-	-	-	-	-	-	-	-	
Increment	October	-	16.99 %	-	-	-	-	-	-	-	-	-	

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1	r		%	-	-	-	-	-	-	-	-	-
1	Novem											
2	ber	-	8.77%	-	-	-	-	-	-	-	-	-
1	Decem											
3	ber	-	0.27%	-	-	-	-	-	-	-	-	-
1	ADIT 282-Prorated											
4	EOY Balance			-	-	-	-	-	-	-	-	-
ADIT-283-Proration-Note B												
1	Balance (Attach 8c,	Decem	100.00									
5	Line 44)	ber	%			-						
1	Januar		91.78									
6	Increment	y	%	-	-	-	-	-	-	-	-	-
1	Februa		84.11									
7	Increment	ry	%	-	-	-	-	-	-	-	-	-
1			75.62									
8	Increment	March	%	-	-	-	-	-	-	-	-	-
1			67.40									
9	Increment	April	%	-	-	-	-	-	-	-	-	-
2			58.90									
0	Increment	May	%	-	-	-	-	-	-	-	-	-
2			50.68									
1	Increment	June	%	-	-	-	-	-	-	-	-	-
2			42.19									
2	Increment	July	%	-	-	-	-	-	-	-	-	-
2			33.70									
3	Increment	August	%	-	-	-	-	-	-	-	-	-
2		Septem	25.48									
4	Increment	ber	%	-	-	-	-	-	-	-	-	-
2		Octobe	16.99									
5	Increment	r	%	-	-	-	-	-	-	-	-	-
2		Novem										
6	Increment	ber	8.77%	-	-	-	-	-	-	-	-	-
2		Decem										
7	Increment	ber	0.27%	-	-	-	-	-	-	-	-	-
2	ADIT 283-Prorated											
8	EOY Balance			-	-	-	-	-	-	-	-	-
ADIT-190-Proration-Note C												

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2	Balance (Attach 8c,	Decem		100.00										
9	Line 18)	ber	-	%		-								
3		Januar		91.78										
0	Increment	y	-	%	-	-	-	-	-	-	-	-	-	-
3		Februa		84.11										
1	Increment	ry	-	%	-	-	-	-	-	-	-	-	-	-
3				75.62										
2	Increment	March	-	%	-	-	-	-	-	-	-	-	-	-
3				67.40										
3	Increment	April	-	%	-	-	-	-	-	-	-	-	-	-
3				58.90										
4	Increment	May	-	%	-	-	-	-	-	-	-	-	-	-
3				50.68										
5	Increment	June	-	%	-	-	-	-	-	-	-	-	-	-
3				42.19										
6	Increment	July	-	%	-	-	-	-	-	-	-	-	-	-
3				33.70										
7	Increment	August	-	%	-	-	-	-	-	-	-	-	-	-
3		Septem		25.48										
8	Increment	ber	-	%	-	-	-	-	-	-	-	-	-	-
3		Octobe		16.99										
9	Increment	r	-	%	-	-	-	-	-	-	-	-	-	-
4		Novem												
0	Increment	ber	-	8.77%	-	-	-	-	-	-	-	-	-	-
4		Decem												
1	Increment	ber	-	0.27%	-	-	-	-	-	-	-	-	-	-
4	ADIT 190-Prorated													
2	EOY Balance				-	-	-	-	-	-	-	-	-	-

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Attachment 8f - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (True-up)

GridLiance Heartland LLC

For the 12 Months Ended 12/31/____

[illegible]

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GridLiance Heartland Rate Formula Template

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[illegible]

Attachment 8f - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (True-up)
GridLiance Heartland LLC
For the 12 Months Ended 12/31/____

[illegible]

[illegible]

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Note 1 – Uses a 365 day calendar year.

Note 2 – Actual end of year ADIT must be based solely on enacted tax law. No assumptions for future estimated changes in tax law may be forecasted.

A – Substantial portion, if not all, of the ADIT-282 balance is subject to proration. Explanation must be provided for any portion of balance not subject to proration.

B – Only amounts in ADIT-283 relating to Depreciation, if applicable, are subject to proration. See Line 44 in Attach 8c and 8d.

C – Only amounts in ADIT-190 related to net operating loss carryforwards, if applicable, are subject to proration. See Line 18 in Attach 8c and 8d.

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Attachment 8g
(Excess)/Deficient ADIT Worksheet
GridLiance Heartland LLC
Costs in the Year Ending ____

Line No.	Description	(A)	(B)	(C)	(D)	(E) = (C) + (D)	(F)	(G)	(H)	(I) = (C) / (F)	(J) = (D) / (G)	(K) = (I) + (J)
		(Excess)/Deficient ADIT as originally recorded at remeasurement (d)					Amortization Period (years)		Current Year Amortization			
			(Excess)/Deficient Deferred Income Taxes			Total				Amortization Amount		Total
		FERC Account No. (a)	Protected (Attachment 8h, Column G)	Unprotected (Attachment 8h, Column H)		Protected (f) (g)	Unprotected (g)	FERC Account No. (e)	Protected (f)	Unprotected	Total (g)	
FERC Account 190												
1a			-	-	-					-	-	-
1[]		(b), []								-	-	
1		(c)	-	-	-					-	-	-
FERC Account 282												
2a			-	-	-					-	-	-
2[]		(b), []								-	-	
2	Total FERC Account 282	(c)	-	-	-					-	-	-
3a			-	-	-					-	-	-
3[]		(b), []								-	-	
3	Total FERC Account 283	(c)	-	-	-					-	-	-
4	TOTAL (Line 1 + Line 2 + Line 3)											
Summary by Account												
5	Account Total	182.3	-	-	-				410.1	-	-	-
6	Account Total	254	-	-	-				411.1	-	-	-
7			-	-	-							

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GridLiance Heartland Rate Formula Template

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Attachment 8g
(Excess)/Deficient ADIT Worksheet
GridLiance Heartland LLC
Costs in the Year Ending ____

		(L)	(M)	(N) = (L) + (M)	(O) – (I)* -1	(P) = (J)* -1	(Q) = (O) + (P)	(R) = (L) + (O)	(S) = (M) + (P)	(T) = (R) + (S)	(U)	
Line No.	Description	Unamortized (Excess)/Deficient ADIT (d)										Reference
		Beginning of Year Balance			Current Year Amortization			End of Year Balance				
		Protected	Unprotected	Total	Protected	Unprotected	Total	Protected	Unprotected	Total		
	FERC Account 190											
1a		- (h)	- (h)	- (h)	-	-	-	- (k)	- (k)	- (k)		
1[]		- (h)	- (h)	- (h)				- (k)	- (k)	- (k)		
1		-	-	-	-	-	-	-	-	-		
	FERC Account 282											
2a		- (i)	- (i)	- (i)	-	-	-	- (l)	- (l)	- (l)		
2[]		- (i)	- (i)	- (i)				- (l)	- (l)	- (l)		
2	Total FERC Account 282	-	-	-	-	-	-	-	-	-		
3a		- (j)	- (j)	- (j)	-	-	-	- (m)	- (m)	- (m)		
3[]		- (j)	- (j)	- (j)				- (m)	- (m)	- (m)		
3	Total FERC Account 283	-	-	-	-	-	-	-	-	-		
4	TOTAL (Line 1 + Line 2 + Line 3)	-	-	-	-	-	-	-	-	-		
	Summary by Account											
5	Account Total	-	-	-	-	-	-	-	-	-		
6	Account Total	-	-	-	-	-	-	-	-	-		
7		-	-	-	-	-	-	-	-	-		

Notes

- (a) Specifies ADIT accounts to which (excess) or deficient ADIT has been booked.
 (b) GridLiance Heartland LLC may add or modify notes to explain items without a FPA Section 205 filing.
 (c) Total equals the sum of sublines a through [], where [] is the last subline denoted by a letter. GridLiance Heartland LLC may add or remove sublines without a FPA Section 205 filing.
 (d) Enter credit balances as negatives.
 (e) (Excess)/deficient ADIT to be amortized to FERC Account 411.1 or 410.1, respectively.

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- (f) Amortization of excess (or deficient) deferred income taxes subject to ARAM will not begin until reversal occurs (*i.e.*, when the trend of book depreciation exceeding tax depreciation—or vice versa—reverses). Before reversal, values for such items will not be included in current year amortization.
- (g) In accordance with FERC guidance for ratemaking purposes, GridLiance Heartland LLC only grosses up the current year amortization value on Attachment O, Page 3/5, Line 26a; there is no gross-up to any values for accounting purposes.
- (h) FERC Form 1, page 234, column (b)
- (i) FERC Form 1, page 274, column (b)
- (j) FERC Form 1, page 276, column (b)
- (k) FERC Form 1, page 234, column (c)
- (l) FERC Form 1, page 275, column (k)
- (m) FERC Form 1, page 276, column (k)

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Attachment 8h
ADIT Remeasurement
Balances as of December 31, ____

	(A)	(B)	(C)	(D) = (B) x (C)	(E) = (D) x Line 9	(F) = (D) x Line 9	(G)	(H)	(I) = (E) - (F)
Line No.	Description	Pre-Tax Rate Change Balances	Allocation Note (a)	Tax Rate Change Balances	Tax Effected Balances Pre-Tax Rate Change	Tax Effected Balances Post-Tax Rate Change	(Excess)/Deficient Deferred IT Protected	(Excess)/Deficient Deferred IT Unprotected	(Excess)/Deficient Deferred IT Total
1a	FERC Account 190	-	-	-	-	-	-	-	-
1[]					-	-	-	-	-
1	Total FERC Account 190	-		-	-	-	-	-	-
2a	FERC Account 282	-	-	-	-	-	-	-	-
2[]					-	-	-	-	-
2	Total FERC Account 282	-		-	-	-	-	-	-
3a	FERC Account 283	-	-	-	-	-	-	-	-
3[]					-	-	-	-	-
3	Total FERC Account 283	-		-	-	-	-	-	-
4	Total ADIT (Line 1 + Line 2 + Line 3)	-		-	-	-	-	-	-

	<u>Tax Rates</u>	<u>Source</u>	<u>Pre Tax Rate</u>	<u>Post Tax Rate</u>
5	Federal		0.00%	0.00%
6	State		0.00%	0.00%
7	Combined Rate	$(1 - ((1 - \text{Line 6}) * (1 - \text{Line 5})) / (1 - \text{Line 6} * \text{Line 5} * \text{Line 13})))$	0.00%	0.00%
8	Federal (net of FBOS & SBOF)	(Line 7-Line 6)	0.00%	0.00%
9	Effective Tax Rate (net of tax exempt adjustment)	$(\text{Line 7} / (1 - \text{Line 7})) * ((1 - \text{Line 10}) / (1 + (\text{Line 7} / (1 - \text{Line 7}))))$	0.00%	0.00%
10	Tax Exempt Ownership Percentage	(Attach 9, Line 10, Column 11)	0.00%	0.00%

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11	Gross-Up Factor – net of TE [1/ (1-effective tax rate)]	(1/(1-Line 9))	0.00000	0.00000
12	Federal Benefit of State Rates (FBOS)	(Line 5*Line 6)	0.00000%	0.00000%
13	State Benefit of Federal Rate (SBOF)	(Attach 9, Line 9, Column 12)	0.00000%	0.00000%

Notes

This sheet is replicable for each remeasurement of (excess)/deficient deferred income taxes without an FPA Section 205 filing.
GridLiance Heartland LLC may add or modify notes to explain items without a FPA Section 205 filing.
(a) GridLiance Heartland LLC allocates total company ADIT between MISO Facilities and Non-MISO Facilities based on net plant ratios. The net plant ratio corresponding to the current year of remeasurement is used for all items listed here. Refer to page 106 of the FERC Form No. 1 for additional references.

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GridLiance Heartland Rate Formula Template

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Attachment 9
Income Tax Allowance GridLiance Heartland
Calculation of effective tax rate

(1)	(2)	(3)	(4)	(5)	(6)
Line No.	Description	Note	Source	Corporations—Including C Corps	S-Corps, PTEs
(a)				(b)	
1	FIT = Weighted Marginal Federal Income Tax Rate	Note A		0.00%	0.00%
2	Partners with Actual or Potential Income Tax Liability	Note C	(Col. 13, Lines 25—31)	47.16%	0.00%
3	Weighted Average Federal Income Tax Rate		(Line 1 * Line 2)	0.00%	0.00%
4	SIT = Weighted Marginal State Income Tax Rate	Note A	(Page 2, Col. (5), Line 6)	0.00%	0.00%
5	Partners with Actual or Potential Income Tax Liability	Note C	(Col. 13, Lines 25—31)	47.16%	0.00%
6	Weighted Average State Income Tax Rate		(Line 4 * Line 5)	0.00%	0.00%
7	p = Weighted Average State Income Tax Rate Value of Federal Tax Deductibility	Note B	(Page 2, Col. 56, Line 6)	0.00%	0.00%
8	Partners with Actual or Potential Income Tax Liability	Note C	(Col. 13, Lines 25—31)	47.16%	0.00%
9	Weighted Average X		(Line 7 * Line 8)	0.00%	0.00%
10	Projected Distributive Share of Income from Transmission Investment	Note C	(Col. 10, Lines 37—43)	47.12%	0.00%
11	Income Tax Allowance (ITA)	Note D	(Line 10, Col. (13)—Col. (11))		
12	Composite Income Tax Rate $[T - SIT * (1 - FIT) + FIT - (p * FIT)]$		@ ITA = 53.20%	0.00%	0.00%

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GridLiance Heartland Rate Formula Template

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Attachment 9
Income Tax Allowance GridLiance Heartland
Calculation of effective tax rate

	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Individuals (including foreign), estates & trusts	Mutual funds	Trusts	UBTI entities — pension funds, IRA, Keogh Plans	Tax Exempt Entities	Weighted Average Income Tax Rate (Sum Cols. 5-11)	Total (Sum Cols. 5-11)
	(e)	(d)	(e)	(f)	(h)	(i)	
1	0.00%	0.00%	0.00%	0.00%	0.00%		
2	0.00%	0.00%	0.00%	6.10%	46.74%		
3	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	0.00%	0.00%	0.00%	0.00%	0.00%		
5	0.00%	0.00%	0.00%	6.10%	46.74%		
6	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	0.00%	0.00%	0.00%	0.00%	0.00%		
8	0.00%	0.00%	0.00%	6.10%	46.74%		
9	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
10	0.07%	0.00%	0.00%	6.10%	46.71%		100.00%
11							53.29%
12	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

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GridLiance Heartland Rate Formula Template

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Attachment 9
Income Tax Allowance GridLiance Heartland
Calculation of effective tax rate

	(1)	(2)	(3)	(4)	(5)	(6)
Line No.	Description	Note	Source		Corporations—Including C Corps	S-Corps, PTEs
	(a)				(b)	
13	Private Equity (PE) Investment Ownership of GridLiance Heartland LLC (GLH)	Note F			49.60%	46.20%
	Ownership of Funds by FERC Categories of Investors	Note F			BCP VI	BEP H/H.F
14	Corporations—Including C Corps	Note F			49.15%	49.30%
15	S-Corps, PTEs	Note F			0.00%	0.00%
16	Individuals (including foreign), estates & trusts	Note F			0.00%	0.00%
17	Mutual funds	Note F			0.00%	0.00%
18	Trusts	Note F			0.00%	0.00%
19	UBTI entities—pension funds, IRA, Keogh Plans	Note F			6.44%	6.29%
20	Tax Exempt Entities	Note F			44.41%	44.41%
21					100.00%	100.00%
22						
23						
24	Weighted Average PE Ownership of GLH by FERC Categories of Investors				BCP VI	BEP H/H.F
25	Corporations—Including C Corps		(Line 13 * Line 14)		24.38%	22.78%
26	S-Corps, PTEs		(Line 13 * Line 15)		0.00%	0.00%
27	Individuals (including foreign), estates & trusts		(Line 13 * Line 16)		0.00%	0.00%
28	Mutual funds		(Line 13 * Line 17)		0.00%	0.00%
29	Trusts		(Line 13 * Line 18)		0.00%	0.00%
30	UBTI entities—pension funds, IRA, Keogh Plans		(Line 13 * Line 19)		3.19%	2.91%
31	Tax Exempt Entities		(Line 13 * Line 20)		22.03%	20.52%
32					49.60%	46.20%

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Attachment 9
Income Tax Allowance GridLiance Heartland
Calculation of effective tax rate

	(7) Individuals (including foreign), estates & trusts	(8) Mutual funds	(9) Trusts	(10) UBTI entities—pension funds, IRA, Keogh Plans	(11) Tax-Exempt Entities	(12) Weighted Average Income Tax Rate (Sum Cols. 5-11)	(13) Total (Sum Cols. 5-11)
	(c)	(d)	(e)	(f)	(h)	(i)	
13	0.40%	1.90%	1.90%				100.00%
	BCP VI SBS	BEP II SBS	BTAS				
14	0.00%	0.00%	0.00%				19.69%
15	0.00%	0.00%	0.00%				0.00%
16	0.00%	0.00%	0.00%				0.00%
17	0.00%	0.00%	0.00%				0.00%
18	0.00%	0.00%	0.00%				0.00%
19	0.00%	0.00%	0.00%				2.55%
20	0.00%	0.00%	0.00%				77.76%
21	0.00%	0.00%	0.00%				100.00%
22							
23							
24	BCP VI SBS	BEP II SBS	BTAS				
25	0.00%	0.00%	0.00%				47.16%
26	0.00%	0.00%	0.00%				0.00%
27	0.00%	0.00%	0.00%				0.00%
28	0.00%	0.00%	0.00%				0.00%
29	0.00%	0.00%	0.00%				0.00%
30	0.00%	0.00%	0.00%				6.10%
31	0.40%	1.90%	1.90%				46.74%
32	0.40%	1.90%	1.90%				100.00%

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Attachment 9
Income Tax Allowance GridLiance Heartland
Calculation of effective tax rate

	(5)	(6)	(7)	(8)	(9)	(10)
33						
34						
35						
		Weighted Average Private Equity Ownership			Total Ownership	Total Ownership Adjusted
36						
37		Corporations —Including C-Corps	47.16%		Corporations (feeder LP)	47.12%
38		S-Corps, PTEs	0.00%		S-Corps, PTEs	0.00%
39		Individuals (including foreign); estates & trusts	0.00%		Individuals	0.00%
40		Mutual funds	0.00%		Mutual Funds	0.00%
41		Trusts	0.00%		Trusts	0.00%
42		UBTI entities —pension funds, IRA, Keogh Plans	6.10%		UBTI Entities	6.10%
43		Tax Exempt Entities	46.74%		Non-Taxpaying Entities	46.71%
44			100.00%		Total Private Equity Ownership (Note E)	99.93%
45					Separate Individual Ownership (Note F)	100.00%
46						

Notes:

A — Represents the weighted average federal or state tax rate for each category of partners. Support to be provided for the use of any marginal federal income tax rate that differs from any applicable presumptive marginal federal income tax rates that have been adopted by the Commission.

B — From Page 2 below.

C — Calculation of ownership by category of investor.

D — Income Tax Allowance (ITA) equals one less the ownership percentage of tax exempt entities and is based upon the Commission's order in Docket Nos. ER18-2342, EL19-29, and ER19-2488.

E — One (1) minus Separate Individual Ownership (Line 45).

F — Based on GLH records.

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Attachment 9
Income Tax Allowance
GridLiance Heartland LLC

	(1)		(2)		(3)		(4)		(5)		(6)
Line No.	State		Apportionment based on situs gross plant		State Income Tax Rate		Percent Federal Taxes Deductible		Weighted Rate (Col. 2 * Col. 3)		Weighted Rate for Impact of Federal Tax Deductibility (Col. 2 * Col. 4)
1	State 1		0.00%		0.00%		0.00%		0.00%		0.00%
2	State 2		0.00%		0.00%		0.00%		0.00%		0.00%
3	State 3		0.00%		0.00%		0.00%		0.00%		0.00%
4	State 4		0.00%		0.00%		0.00%		0.00%		0.00%
5	State 5		0.00%		0.00%		0.00%		0.00%		0.00%
6	Total Weighted Average								0.00%		0.00%

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GridLiance Heartland Rate Formula Template

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Attachment 9a
Actual Ownership
GridLiance Heartland LLC
For Informational Purposes Only

	(1)	(2)	(3)	(4)	(5)	(6)
Line No.	Description	Note	Source		Corporations Including C Corps	S Corps, PTEs
	(a)				(b)	
1	FIT = Weighted Marginal Federal Income Tax Rate	Note A			0.00%	0.00%
2	Partners with Actual or Potential Income Tax Liability	Note C	(Col. 13, Lines 25–31)		0.00%	0.00%
3	Weighted Average Federal Income Tax Rate		(Line 1 * Line 2)		0.00%	0.00%
4	SIT = Weighted Marginal State Income Tax Rate	Note A	(Page 2, Col. (5), Line 6)		0.00%	0.00%
5	Partners with Actual or Potential Income Tax Liability	Note C	(Col. 13, Lines 25–31)		0.00%	0.00%
6	Weighted Average State Income Tax Rate		(Line 4 * Line 5)		0.00%	0.00%
7	p = Weighted Average State Income Tax Rate Value of Federal Tax Deductibility	Note B	(Page 2, Col. 56, Line 6)		0.00%	0.00%
8	Partners with Actual or Potential Income Tax Liability	Note C	(Col. 13, Lines 25–31)		0.00%	0.00%
9	Weighted Average X		(Line 7 * Line 8)		0.00%	0.00%
10	Projected Distributive Share of Income from Transmission Investment	Note C	(Col. 10, Lines 37–43)		0.00%	0.00%
11	Income Tax Allowance (ITA)	Note D	(Line 10, Col. (13)–Col. (11))			
12	Composite Income Tax Rate [T=SIT * (1-FIT) + FIT – (p * FIT)]		@ ITA = 72.13%		0.00%	0.00%

Attachment 9a
Actual Ownership
GridLiance Heartland LLC
For Informational Purposes Only

	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Individuals (including foreign), estates & trusts	Mutual funds	Trusts	UBTI entities—pension funds, IRA, Keogh Plans	Tax-Exempt Entities	Weighted Average Income Tax Rate (Sum Cols. 5-11)	Total (Sum Cols. 5-11)
	(e)	(d)	(c)	(f)	(h)	(i)	
1	0.00%	0.00%	0.00%	0.00%	0.00%		
2	0.00%	0.00%	0.00%	0.00%	0.00%		
3	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	0.00%	0.00%	0.00%	0.00%	0.00%		
5	0.00%	0.00%	0.00%	0.00%	0.00%		
6	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	0.00%	0.00%	0.00%	0.00%	0.00%		
8	0.00%	0.00%	0.00%	0.00%	0.00%		
9	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
10	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
11							0.00%
12	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

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Attachment 9a
Actual Ownership
GridLiance Heartland LLC
For Informational Purposes Only

	(1)	(2)	(3)	(4)	(5)	(6)
Line No.	Description	Note	Source		Corporations—Including C Corps	S Corps, PTEs
	(a)				(b)	
13	Private Equity (PE) Investment Ownership of GridLiance Heartland LLC (GLH)	Note F			0.00%	0.00%
	Ownership of Funds by FERC Categories of Investors	Note F			-	-
14	Corporations—Including C Corps	Note F			0.00%	0.00%
15	S Corps, PTEs	Note F			0.00%	0.00%
16	Individuals (including foreign), estates & trusts	Note F			0.00%	0.00%
17	Mutual funds	Note F			0.00%	0.00%
18	Trusts	Note F			0.00%	0.00%
19	UBTI entities—pension funds, IRA, Keogh Plans	Note F			0.00%	0.00%
20	Tax Exempt Entities	Note F			0.00%	0.00%
21					0.00%	0.00%
22						
23						
24	Weighted Average PE Ownership of GLH by FERC Categories of Investors				-	-
25	Corporations—Including C Corps		(Line 13 * Line 14)		0.00%	0.00%
26	S Corps, PTEs		(Line 13 * Line 15)		0.00%	0.00%
27	Individuals (including foreign), estates & trusts		(Line 13 * Line 16)		0.00%	0.00%
28	Mutual funds		(Line 13 * Line 17)		0.00%	0.00%
29	Trusts		(Line 13 * Line 18)		0.00%	0.00%
30	UBTI entities—pension funds, IRA, Keogh Plans		(Line 13 * Line 19)		0.00%	0.00%
31	Tax Exempt Entities		(Line 13 * Line 20)		0.00%	0.00%
32						

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Attachment 9a
Actual Ownership
GridLiance Heartland LLC
For Informational Purposes Only

	(7) Individuals (including foreign), estates & trusts	(8) Mutual funds	(9) Trusts	(10) UBTI entities—pension funds, IRA, Keogh Plans	(11) Tax Exempt Entities	(12) Weighted Average Income Tax Rate (Sum Cols. 5-11)	(13) Total (Sum Cols. 5-11)
	(e)	(d)	(e)	(f)	(h)	(i)	
13	0.00%	0.00%	0.00%				0.00%
	-	-	-				
14	0.00%	0.00%	0.00%				0.00%
15	0.00%	0.00%	0.00%				0.00%
16	0.00%	0.00%	0.00%				0.00%
17	0.00%	0.00%	0.00%				0.00%
18	0.00%	0.00%	0.00%				0.00%
19	0.00%	0.00%	0.00%				0.00%
20	0.00%	0.00%	0.00%				0.00%
21	0.00%	0.00%	0.00%				0.00%
22							
23							
24	-	-	-				
25	0.00%	0.00%	0.00%				0.00%
26	0.00%	0.00%	0.00%				0.00%
27	0.00%	0.00%	0.00%				0.00%
28	0.00%	0.00%	0.00%				0.00%
29	0.00%	0.00%	0.00%				0.00%
30	0.00%	0.00%	0.00%				0.00%
31	0.00%	0.00%	0.00%				0.00%
32	0.00%	0.00%	0.00%				0.00%

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GridLiance Heartland Rate Formula Template

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Attachment 9a
Actual Ownership
GridLiance Heartland LLC
For Informational Purposes Only

	(5)	(6)	(7)	(8)	(9)	(10)
33						
34						
35						
		Weighted Average Private Equity Ownership			Total Ownership	Total Ownership Adjusted
36						
37	Corporations including C-Corps	0.00%		Corporations (feeder LP)	0.00%	0.00%
38	S-Corps, PTEs	0.00%		S-Corps, PTEs	0.00%	0.00%
39	Individuals (including foreign); estates & trusts	0.00%		Individuals	0.00%	0.00%
40	Mutual funds	0.00%		Mutual Funds	0.00%	0.00%
41	Trusts	0.00%		Trusts	0.00%	0.00%
42	UBTI entities—pension funds, IRA, Keogh Plans	0.00%		UBTI Entities	0.00%	0.00%
43	Tax-Exempt Entities	0.00%		Non-Taxpaying Entities	0.00%	0.00%
44		0.00%		Total Private Equity Ownership (Note E)	0.00%	0.00%
45				Separate Individual Ownership (Note F)	0.00%	
46					0.00%	

Notes:

~~A—Represents the weighted average federal or state tax rate for each category of partners. Support to be provided for the use of any marginal federal income tax rate that differs from any applicable presumptive marginal federal income tax rates that have been adopted by the Commission.~~

~~B—From Page 2 below.~~

~~C—Calculation of ownership by category of investor.~~

~~D—Upon request, GridLiance Heartland will provide any relevant ownership agreements to support the ownership categories and associated inputs used to calculate GridLiance Heartland's income tax liability.~~

~~E—Upon request, GridLiance Heartland will provide supporting documents, including tax returns or, where the federal income tax rate is concerned, notice that GridLiance Heartland elected to take the 20 percent deduction available to pass-through entities.~~

~~F—Based on GLH records.~~

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Attachment 9a
Actual Ownership
GridLiance Heartland LLC

	(1)		(2)		(3)		(4)		(5)		(6)
Line No.	State		Apportionment based on situs gross plant		State Income Tax Rate		Percent Federal Taxes Deductible		Weighted Rate (Col. 2 * Col. 3)		Weighted Rate for Impact of Federal Tax Deductibility (Col. 2 * Col. 4)
1	State 1		0.00%		0.00%		0.00%		0.00%		0.00%
2	State 2		0.00%		0.00%		0.00%		0.00%		0.00%
3	State 3		0.00%		0.00%		0.00%		0.00%		0.00%
4	State 4		0.00%		0.00%		0.00%		0.00%		0.00%
5	State 5		0.00%		0.00%		0.00%		0.00%		0.00%
6	Total Weighted Average								0.00%		0.00%

Formula Rate - Non-Levelized			Rate Formula Template Utilizing FERC Form 1 Data GridLiance Heartland LLC			For the 12 months	
Line No.	(1)	(2) Source	(3)	(4)	(5) Allocated Amount		
1	GROSS REVENUE REQUIREMENT	(Page 3, Line 31)			\$ 4,431,699		
	REVENUE CREDITS	(Note S)	Total	Allocator			
2	Account No. 454	(Page 4, Line 34)	-	DA 1.00	-		
2a	Account No. 456	(Page 4, Line 34a)	-	DA 1.00	-		
3	Account No. 456.1	(Page 4, Line 37)	75,000.00	DA 1.00	75,000.00		
4	Revenues from Grandfathered Interzonal Transactions	(Note R)	-	DA 1.00	-		
5	Revenues from service provided by the ISO at a discount	MISO invoices	-	DA 1.00	-		
6	TOTAL REVENUE CREDITS	(Sum of Lines 2 through 5)			75,000.00		
6a	Adjustment to make Line 6b equal to zero if there is no revenue requirement associated with Schedules 7, 8 & 9						-
6b	NET REVENUE REQUIREMENT	(Line 1 minus Lines 6 & 6a) (Note KK)			\$ 4,356,699		
6c	Attachment O-GLH True-up Adjustment with Interest	Attachment 3, Page 1, Line 3, Col. (G)	-	DA 1.00	-		
7	NET REVENUE REQUIREMENT	(Line 6b plus Line 6c)			\$ 4,356,699		
DIVISOR							
8	Average of 12 coincident system peaks for requirements (RQ) service			(Note A)	-		
9	Plus 12 CP of firm bundled sales over one year not in Line 8			(Note B)	-		
10	Plus 12 CP of Network Load not in Line 8			(Note C)	-		
11	Less 12 CP of firm P-T-P over one year (enter negative)			(Note D)	-		
12	Plus Contract Demand of firm P-T-P over one year				-		
13	Less Contract Demand from Grandfathered Interzonal Transactions over one year (enter negative)			(Note R)	-		
14	Less Contract Demands from service over one year provided by ISO at a discount (enter negative)				-		
15	Divisor (sum Lines 8-14)				-		
16	Annual Cost (\$/kW/Yr)	(Line 7 / Line 15)	-				
17	Network & P-to-P Rate (\$/kW/Mo)	(Line 16 / 12)	-				
			Peak Rate		Off-Peak Rate		
18	Point-To-Point Rate (\$/kW/Wk)	(Line 16 / 52; Line 16 / 52)	-		-		
19	Point-To-Point Rate (\$/kW/Day)	(Line 16 / 260; Line 16 / 365)	-	Capped at weekly rate	-		
20	Point-To-Point Rate (\$/MWh)	(Line 16 / 4,160; Line 16 / 8,760 times 1,000)	-	Capped at weekly and daily rates	-		
21	FERC Annual Charge(\$/MWh)	(Note E)	-	Short Term	-	Short	
22			-	Long Term	-	Long	

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months

		(1)	(2)	(3)	(4)	(5)
Line No.			Source	Company Total	Allocator (Note JJ)	Transmission (Col 3 times Col 4)
RATE BASE: (Notes Y & BB)						
	GROSS PLANT IN SERVICE					
1	Production		Attachment 4, Line 14, Col. (b)	-	NA	-
2	Transmission		Attachment 4, Line 14, Col. (c)	28,075,665	TP	0.77
3	Distribution		Attachment 4, Line 14, Col. (d)	-	NA	-
4	General & Intangible		Attachment 4, Line 14, Col. (e)	-	W/S	0.77
5	Common		Attachment 4, Line 14, Col. (f)	-	CE	0.77
6	TOTAL GROSS PLANT		(Sum of Lines 1 through 5)	28,075,665	GP=	0.77
ACCUMULATED DEPRECIATION						
7	Production		Attachment 4, Line 14, Col. (k)	-	NA	-
8	Transmission		Attachment 4, Line 14, Col. (l)	13,207,324	TP	0.77
9	Distribution		Attachment 4, Line 14, Col. (m)	-	NA	-
10	General & Intangible		Attachment 4, Line 14, Col. (n)	-	W/S	0.77
11	Common		Attachment 4, Line 14, Col. (o)	-	CE	0.77
12	TOTAL ACCUM. DEPRECIATION		(Sum of Lines 7 through 11)	13,207,324		
NET PLANT IN SERVICE						
13	Production		(Line 1 - Line 7)	-		-
14	Transmission		(Line 2 - Line 8)	14,868,341		11,378,980
15	Distribution		(Line 3 - Line 9)	-		-
16	General & Intangible		(Line 4 - Line 10)	-		-
17	Common		(Line 5 - Line 11)	-		-
18	TOTAL NET PLANT		(Sum of Lines 13 through 17)	14,868,341	NP=	0.77
18a	CWIP Approved by FERC Order		Attachment 4, Line 14, Col. (g) (Note LL)	-	DA	1.00
ADJUSTMENTS TO RATE BASE						
19	Reserved			-	NA	zero
20	Reserved			-	NA	zero
21	Reserved			-	NA	zero
22	ADIT		Attachment 8a or 8e, line 8, Col (e)	(0)	NP	0.77
23	Account No. 255 (enter negative)		Attachment 4, Line 28, Col. (h) (Note F)	-	NP	0.77
23a	Unamortized Regulatory Asset		Attachment 4, Line 28, Col. (b) (Note GG)	-	DA	1.00
23b	Unamortized Abandoned Plant		Attachment 4, Line 28, Col. (c) (Notes X & FF)	-	DA	1.00
23c	Unfunded Reserves (enter negative)		Attachment 4, Line 31, Col. (h)	-	DA	1.00
24	TOTAL ADJUSTMENTS		(Sum of Lines 19 through 23c)	(0)		
25	LAND HELD FOR FUTURE USE		Attachment 4, Line 14, Col. (h) (Note G)	-	TP	0.77
WORKING CAPITAL						
26	CWC		(Note H)			
27	Materials & Supplies		1/8*(Page 3, Line 8 minus Page 3, Line 7b)	861,822		659,566
28	Prepayments (Account 165)		Attachment 4, Line 14, Col. (i) (Note G)	328,467	TP	0.77
29	TOTAL WORKING CAPITAL		Attachment 4, Line 14, Col. (j)	607,450	GP	0.77
			(Sum of Lines 26 through 28)	1,797,740		
30	RATE BASE		(Sum of Lines 18, 18a, 24, 25 & 29)	16,666,081		

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months

Line No.	(1)	(2)	(3)	(4)	(5)
		Source	Company Total	Allocator (Note JJ)	Transmission (Col 3 times Col 4)
O&M		(Note CC)			
1	Transmission	Attachment 5, Line 13, Col. (a)	4,538,738	TP	0.77
1a	Less Ancillary Service Expenses included in Transmission O&M Accounts (Note U)	Attachment 5, Line 13, Col. (l)	1,784,502	TP	0.77
1b	Less Account 566	Attachment 5, Line 13, Col. (b)	-	TP	0.77
2	Less Account 565	Attachment 5, Line 13, Col. (c)	-	TP	0.77
3	A&G	Attachment 5, Line 13, Col. (d)	4,140,338	W/S	0.77
4	Less FERC Annual Fees	Attachment 5, Line 13, Col. (e)	-	W/S	0.77
5	Less EPRI & Reg. Comm. Exp. & Non-safety Ad.	(Note I) Attachment 5, Line 13, Col. (f)	-	W/S	0.77
5a	Plus Transmission Related Reg. Comm. Exp.	(Note I) Attachment 5, Line 13, Col. (g)	-	TP	0.77
5b	Less PBOP Expense in Year	Attachment 7, Line 6	-	W/S	0.77
5c	Plus PBOP Expense Allowed Amount	Attachment 7, Line 8	-	W/S	0.77
6	Common	356.1	-	CE	0.77
7	Transmission Lease Payments	Attachment 5, Line 13, Col (h)	-	DA	1.00
7a	Account 566				
7b	Amortization of Regulatory Asset	(Note GG) Attachment 5, Line 13, Col. (i)	-	DA	1.00
7c	Miscellaneous Transmission Expense (less Amortization of Regulatory Asset)	Attachment 5, Line 13, Col. (j)	-	TP	0.77
7d	Total Account 566	(Line 7b plus Line 7c) Ties to 321.97.b	-		-
8	TOTAL O&M	(Sum of Lines 1, 3, 5a, 5c, 6, 7, & 7d less Lines 1a, 1b, 2, 4, 5, & 5b)	6,894,575		5,276,529
DEPRECIATION EXPENSE		(Note BB)			
9	Transmission	Attachment 5, Line 13, Col. (k)	562,296	TP	0.77
10	General & Intangible	Attachment 5, Line 26, Col. (a)	-	W/S	0.77
11	Common	Attachment 5, Line 26, Col (l)	-	CE	0.77
11a	Amortization of Abandoned Plant	(Notes X & FF) Attachment 5, Line 26, Col. (b)	-	DA	1.00
12	TOTAL DEPRECIATION	(Sum of Lines 9 through 11a)	562,296		430,334
TAXES OTHER THAN INCOME TAXES		(Note J)			
LABOR RELATED					
13	Payroll	Attachment 5, Line 26, Col. (c)	-	W/S	0.77
14	Highway and vehicle	Attachment 5, Line 26, Col. (d)	-	W/S	0.77
15	PLANT RELATED				
16	Property	Attachment 5, Line 26, Col. (e)	184,553	GP	0.77
17	Gross Receipts	Attachment 5, Line 26, Col. (f)	-	NA	zero
18	Other	Attachment 5, Line 26, Col. (g)	-	GP	0.77
19	Payments in lieu of taxes	Attachment 5, Line 26, Col. (h)	-	GP	0.77
20	TOTAL OTHER TAXES	(Sum of Lines 13 through 19)	184,553		141,241
INCOME TAXES		(Note K)			
21	$T=1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\}$	(Note K)	0.2796		
22	$\text{CIT}=(T/1-T) * (1-(\text{WCLTD}/R)) =$ FIT, SIT & p	WCLTD = Page 4, Line 27, R = Page 4, Line 30 (Note K)	0.3397		
23	$1 / (1 - T) =$ (from Line 21)	$1 / (1 - T)$ (T from Line 21)	1.3881		
24	Amortized Investment Tax Credit	(enter negative) Attachment 5, Line 26, Col. (i)	-		
24a	(Excess)/Deficient Deferred Income Taxes	Attachment 8g, Line 4, Col. (K)	-		
24b	Tax Effect of Permanent Differences	Attachment 5, Line 26, Col. (k) (Note II)	1,159		
25	Income Tax Calculation	(Line 22) times (Page 4, Line 30) times (Page 2, Line 30)	408,310		312,486
26	ITC adjustment	(Line 23 times Line 24)	-	NP	0.77
26a	(Excess)/Deficient Deferred Income Tax Adjustment	(Line 23 times Line 24a)	-	NP	0.77
26b	Permanent Differences Tax Adjustment	(Line 23 times Line 24b)	1,609	NP	0.77
27	Total Income Taxes	(Sum of Lines 25 through 26b)	409,919		313,717
RETURN					
28	Rate Base times Return	(Page 2, Line 30 times Page 4, Line 30, Col. (5))	1,201,958	NA	919,878
29	REV. REQUIREMENT	(Sum of Lines 8, 12, 20, 27 & 28)	9,253,300		7,081,699
30	LESS ATTACHMENT GG ADJUSTMENT [Attachment GG-GLH, Page 2, Line 17, Column 14](Note V) [Revenue Requirement for facilities included on Page 2, Lines 2, 18a, 23a, & 23b and also included in Attachment GG]		-	DA	1.00

30a	LESS ATTACHMENT MM ADJUSTMENT [Attachment MM-GLH, Page 2, Line 17, Column 1· (Note Z) [Revenue Requirement for facilities included on Page 2, Lines 2, 18a, 23a, & 23b and also included in Attachment MM]					
		-	DA	1.00	-	
30b	Plus Incentives on Attachment 1 for projects other than those included in Attachment MM-GLH and Attachment GG-GLH.	Attachment 1, line 18			-	
30c	Plus: Regulatory Adjustment	(Note OO)				
		(2,650,000)	DA	1.00	(2,650,000)	
31	REV. REQUIREMENT TO BE COLLECTED UNDER ATTACHMENT O (Line 29 - Line 30 - Line 30a + Line 30b + Line 30c)					
		6,603,300			4,431,699	

Formula Rate - Non-Levelized			Rate Formula Template Utilizing FERC Form 1 Data GridLiance Heartland LLC		For the 12 months					
(1)			(2)		(3)		(4)		(5)	
SUPPORTING CALCULATIONS AND NOTES										
Line No.	TRANSMISSION PLANT INCLUDED IN ISO RATES									
1	Total Transmission plant	(Page 2, Line 2, Column 3)								28,075,665
2	Less Transmission plant excluded from ISO rates	(Note L)								6,588,908
3	Less Transmission plant included in OATT Ancillary Services	(Note M)								-
4	Transmission plant included in ISO rates	(Line 1 minus Lines 2 & 3)								21,486,757
5	Percentage of Transmission plant included in ISO Rates	(Line 4 divided by Line 1)						TP=		0.77
6 - 11	WAGES & SALARY ALLOCATOR (W&S)									
		Form 1 Reference		\$		TP		Allocation		
12	Production	354.20.b		-		-		-		
13	Transmission (Note MM)	354.21.b		1		0.77		1		
14	Distribution	354.23.b		-		-		-		GP
15	Other	354.24,25,26.b		-		-		-		(\$ / Allocation)
16	Total (sum lines 12-15) [If there are no labor dollars, input \$1 on line 13 which is then multiplied by the TP allocator on line 13]			1				1	=	0.77 =
	COMMON PLANT ALLOCATOR (CE) (Notes N and DD)									
				\$				% Electric		W&S Allocator
17	Electric	200.3.c		30,658,757				(Line 17 / Line 20)		(Line 16)
18	Gas	200.3.d		-				1.00000	*	0.76532
19	Water	200.3.e		-						=
20	Total	(Sum of Lines 17 through 19)		30,658,757						
21 - 26	RETURN (R)									
				\$		%		Cost		\$
										Weighted
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34		0		40%		2.25%		0.90% =Wt
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35		-		0%		0.00%		0.00%
29	Common Stock	(Notes O, Y and EE) Attachment 5, Line 36		1		60%		10.82%		6.31%
30	Total	(Sum of Lines 27 through 29)		1						7.21% =R
	REVENUE CREDITS									
										Load
	ACCOUNT 447 (SALES FOR RESALE)	310 -311								
31	a. Bundled Non-RQ Sales for Resale	311.x.h								-
32	b. Bundled Sales for Resale included in Divisor on Page 1									-
33	Total of (a)-(b)	(Note P)								-
34	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)	(Note Q)								-
34a	ACCOUNT 456 (OTHER ELECTRIC REVENUES)	(Note NN)								-
	ACCOUNT 456.1 (REVENUES FROM TRANSMISSION OF ELECTRICTY OF OTHERS)	330.x.n (Note T)								
35	a. Transmission charges for all transmission transactions									75,000
36	b. Transmission charges for all transmission transactions included in Divisor on Page 1									-
36a	c. Transmission charges from Schedules associated with Attachment GG	(Note W)								-
36b	d. Transmission charges from Schedules associated with Attachment MM	(Note AA)								-
37	Total of (a)-(b)-(c)-(d)									75,000

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)
References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Letter													
A	Peak as would be reported on Page 401, Column d of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.												
B	Labeled LF, LU, IF, IU on Pages 310-311 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.												
C	Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.												
D	Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.												
E	The FERC's annual charges for the year assessed the Transmission Owner for service under this formula rate. Only MISO-related items are included.												
F	The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109. Balance of Account 255 is reduced by prior flow through and excluded if the utility chose to utilize amortization of tax credits against taxable income. Account 281 is not allocated.												
G	Identified in Form 1 as being only transmission related.												
H	Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at Page 3, Line 8, Column 5 less Page 3, Line 7a. Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111 Line 57 in the Form 1.												
I	Line 5 - EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 930.1. Line 5a - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.												
J	Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.												
K	The currently effective income tax rate, where FIT is the weighted average Federal income tax rate; SIT is the weighted average State income tax rate, and p = "the percentage of federal income tax deductible for state income taxes". If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/(1-T) (Page 3, Line 26). Excess and Deficient Deferred Income Taxes reduce or increase income tax expense by the amount of the excess or deficient expense multiplied by (T/(1-T))(page 3, line 26a).												
	<table><tr><td>Inputs Required:</td><td>FIT =</td><td>0.21000</td><td>(Federal Income Tax Rate)</td></tr><tr><td></td><td>SIT=</td><td>0.08812</td><td>(State Income Tax Rate or Composite SIT)</td></tr><tr><td></td><td>p =</td><td>-</td><td>(percent of federal income tax deductible for state purposes)</td></tr></table>	Inputs Required:	FIT =	0.21000	(Federal Income Tax Rate)		SIT=	0.08812	(State Income Tax Rate or Composite SIT)		p =	-	(percent of federal income tax deductible for state purposes)
Inputs Required:	FIT =	0.21000	(Federal Income Tax Rate)										
	SIT=	0.08812	(State Income Tax Rate or Composite SIT)										
	p =	-	(percent of federal income tax deductible for state purposes)										
L	Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test) or removes transmission plant that is not under MISO functional control.												
M	Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.												
N	Enter dollar amounts												
O	ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. A 50 basis point adder for RTO participation may be added to the ROE up to the upper end of the zone of reasonableness established by FERC.												
P	Page 4, Line 33 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1.												
Q	Includes income related only to transmission facilities, such as pole attachments, rentals and special use, less any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.												
R	Grandfathered agreements whose rates have been changed to eliminate or mitigate pancaking - the revenues are included in Line 4 Page 1 and the loads are included in Line 13, Page 1. Grandfathered agreements whose rates have not been changed to eliminate or mitigate pancaking - the revenues are not included in Line 4, Page 1 nor are the loads included in Line 13, Page 1. This line will exclude any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.												
S	The revenues credited on Page 1, Lines 2-6 shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.												
T	Account 456.1 entry shall be the annual total of the quarterly values reported at Form 1, Page 330.x.n., less any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.												
U	Includes scheduling, system control and dispatch costs recorded in Accounts 561.1 through 561.3 and which are recovered in Schedule 1 or Schedule 24 rates. Also excludes Account 561.4 and Account 561.8.												
V	Pursuant to Attachment GG of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment GG.												
W	Removes from revenue credits revenue that are distributed pursuant to Schedules associated with Attachment GG of the MISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment GG revenue requirements.												
X	Page 2 Line 23b includes any unamortized balances related to the recovery of abandoned plant costs approved by FERC under a separate docket. Page 3, Line 11a includes the Amortization expense of abandonment costs. These are shown in the workpapers required pursuant to the Annual Rate Calculation and True-up Procedures.												
Y	Calculate using 13 month average balance, reconciling to FERC Form No. 1 by Page, Line, and Column as shown in Attachment 4 for inputs on page 2 of 5 above, except ADIT, page 2, lines 19-22, which is on Attachment 8a or 8e and shown on Attachment 5. Calculate using 13 month average balance, reconciling to FERC Form No. 1 by Page, Line, and Column as shown in Attachment 5 for inputs on lines 27, 28 and 29 of page 4 of 5 above. For the first Rate Year, as defined in the Protocols, GLH will use thirteen months of balances in calculating the 13-month average for the determination of the projected net revenue requirement												
Z	Pursuant to Attachment MM of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment MM.												
AA	Removes from revenue credits revenues that are distributed pursuant to Schedules associated with Attachment MM of the MISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment MM revenue requirements.												
BB	Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC.												
CC	Schedule 10-FERC charges should not be included in O&M recovered under this Attachment O.												
DD	Calculate using a simple average of beginning of year and end of year balances reconciling to FERC Form No. 1 by Page, Line and Column as shown in Column 2.												

- EE Prior to obtaining long term debt, the cost of debt will be the average 3-month LIBOR for the year plus 2.0%. LIBOR refers to the London Inter Bank Offer Rate from the Federal Reserve Bank of St. Louis's <https://fred.stlouisfed.org/>. The capital structure and cost of debt will be the weighted for the year if the long term debt is obtained midyear. However, if prior to obtaining long term debt, the company has short term debt, the cost of debt will be calculated pursuant to Attachment 5, note D. The capital structure will be 60% equity and 40% debt until any asset is placed in service, then it will be based on the actual capital structure, provided that during any period where the equity component of the actual capital structure is greater than 60%, company will reduce the equity component to a level not to exceed 60%. If the capital structure is reduced to 60% equity, the reduced ATRR as a result of capping the equity portion of GridLiance's capital structure at 60%, and the difference between these two values shall be provided by the company in its Annual True-up. The amount of debt in the capital structure will be equal to 1 minus the equity percentage.
- FF Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant. Utility must submit a Section 205 filing to recover the cost of abandoned plant.
- GG Recovery of regulatory asset permitted only for pre-commercial and formation expenses and are subject to FERC approval before any Regulatory Asset amounts are included in rates. Recovery of any other regulatory assets requires authorization from the Commission. A carrying charge equal to the AFUDC rate will be applied to the regulatory asset prior to the rate year when costs are first recovered.
- HH Reserved
- II The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment O-GLH that are not the result of a timing difference.
- JJ DA in the allocator Column means that the cost is directly assigned to transmission consistent with the attached workpapers.
- KK Round to zero if amount shown is not zero and there is no revenue requirement to recover under Schedules 7, 8, and 9 of the MISO OATT.
- LL AFUDC ceases when CWIP is recovered in rate base. No CWIP will be included in rate base on line 18a absent FERC authorization.
- MM It is possible GLH will not have any salaries and wages to report in the FERC Form No. 1 (that is page 4, lines 12-15 are zero), even if GLH has existing transmission assets in service. If and when this occurs page 4, line 13, column 3 will be input as 1.

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ttachment O-GLH

Page 2 of 5

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Attachment O-GLH
Page 3 of 5
ended 12/31/2021

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ttachment O-GLH
Page 4 of 5
ended 12/31/2021

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Filed Date: 04/01/2021

Attachment 1 (Note J)
Project Revenue Requirement Worksheet
GridLiance Heartland LLC

Page 1 of 3

To be completed in conjunction with Attachment O - GLH.
(inputs from Attachment O - GLH are rounded to whole dollars)

Line No.	(1)	(2) Source Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach O, p 2, line 2 col 5 (Note A)	21,486,757	
1a	Transmission Accumulated Depreciation	Attach O, p 2, line 8 col 5	10,107,777	
1b	CWIP, Regulatory Asset, Abandoned Plant	Attach O, p 2, lines 18a, 23a & 23b (Note B)	-	
2	Net Transmission Plant - Total	Line 1 minus Line 1a plus Line 1b	11,378,980	
	O&M TRANSMISSION EXPENSE			
3	Total O&M Allocated to Transmission	Attach O, p 3, line 8 col 5	5,276,529	
3a	Transmission O&M	Attach O, p 3, line 1 col 5	3,473,569	
3b	Less: Ancillary Service Expenses included in above	Attach O, p 3, line 1a col 5	1,365,708	
3c	Less: Account 565 included in above, if any	Attach O, p 3, line 2 col 5, if any	-	
3d	Less: Account 566 Amort of Reg Asset included in 3a, if any	Attach O, p 3, line 7b col 5, if any	-	
3e	Adjusted Transmission O&M	Line 3a minus Lines 3b thru 3d	2,107,862	
4	Annual Allocation Factor for Transmission O&M	(Line 3e divided by line 1, col 3)	0.10	0.10
	OTHER O&M EXPENSE			
4a	Other O&M Allocated to Transmission	Line 3 minus Line 3e	3,168,667	
4b	Annual Allocation Factor for Other O&M	Line 4a divided by Line 1, col 3	0.15	0.15
	GENERAL, INTANGIBLE AND COMMON (G, I & C) DEPRECIATION EXPENSE			
5	Total G, I & C Depreciation Expense	Attach O, p 3, lines 10 & 11, col 5 (Note G)	-	
6	Annual Allocation Factor for G, I & C Depreciation Expense	(line 5 divided by line 1 col 3)	-	-
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach O, p 3, line 20 col 5	141,241	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	0.01	0.01
9	Annual Allocation Factor for Other Expense	Sum of line 4b, 6, and 8	0.15	0.15
	INCOME TAXES			
10	Total Income Taxes	Attach O, p 3, line 27 col 5	313,717	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	0.03	0.03
	RETURN			
12	Return on Rate Base	Attach O, p 3, line 28 col 5	919,878	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	0.08	0.08
14	Annual Allocation Factor for Return	Sum of line 11 and 13 col 4		0.11

Attachment 1 (Note J)
Project Revenue Requirement Worksheet
GridLiance Heartland LLC

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
		MTEP # or Other Designation	Project Gross Plant	Project Accumulated Depreciation/Amortization	Transmission O&M Annual Allocation Factor	Annual Allocation for Transmission O&M Expense	Annual Allocation Factor for Other Expense	Annual Allocation for Other Expense	Annual Expense Charge	Project Net Plant
Line No.	Project Name									
15	(Note C)				Page 1 line 4	Col. 3 * Col. 5	Page 1 line 9	Col. 3 * Col. 7	Col. 6 + Col. 8	(Note D)
15a	The Ohio River Crossing-MISO Assets	N/A	21,486,757.19	10,107,776.93	0.10	2,107,861.52	0.15	3,309,908.41	5,417,769.93	11,378,980
15b	-	-	-	-	0.10	-	0.15	-	-	-
15c	-	-	-	-	0.10	-	0.15	-	-	-
15d	-	-	-	-	0.10	-	0.15	-	-	-
15e	-	-	-	-	0.10	-	0.15	-	-	-
15f	-	-	-	-	0.10	-	0.15	-	-	-
15g	-	-	-	-	0.10	-	0.15	-	-	-
15h	-	-	-	-	0.10	-	0.15	-	-	-
15i	-	-	-	-	0.10	-	0.15	-	-	-
15j	-	-	-	-	0.10	-	0.15	-	-	-
15k	-	-	-	-	0.10	-	0.15	-	-	-
15l	-	-	-	-	0.10	-	0.15	-	-	-
15m	-	-	-	-	0.10	-	0.15	-	-	-
15n	-	-	-	-	0.10	-	0.15	-	-	-
15o	-	-	-	-	0.10	-	0.15	-	-	-
	-	-	-	-	0.10	-	0.15	-	-	-
	-	-	-	-	0.10	-	0.15	-	-	-
	-	-	-	-	0.10	-	0.15	-	-	-
	-	-	-	-	0.10	-	0.15	-	-	-
16	Annual Totals		21,486,757	10,107,777		2,107,862		3,309,908	5,417,770	11,378,980
17	Rev. Req. Adj For Attachment O									
18	Incentives from Projects other than those in Attachment GG- GLH and Attachment MM-GLH									

Note
Letter

- A Gross Transmission Plant that is included on page 2 line 2 of Attachment O-GLH (see line 1 col (3)).
- B Inclusive of any CWIP, unamortized abandoned plant and unamortized project-related regulatory asset included in rate base when authorized by FERC order. Excludes start-up regulatory asset (see line 1b, col. (3)).
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1. This value includes subsequent capital investments required to maintain the facilities to their original capabilities. Gross plant does not include any CWIP, unamortized abandoned plant or any regulatory asset (see line 15, col. (3)).
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation in col (4). Net Plant includes any CWIP in rate base, any project related regulatory asset and any Unamortized Abandoned Plant approved by the Commission (see line 15, col. (10)). Net plant does not include start-up regulatory asset.
- E Project Depreciation Expense is the actual value booked in Attachment O-GLH, Page 3, line 9 that is associated with the specified project. Project Depreciation Expense includes the amortization of Abandoned Plant. However, if FERC grants accelerated depreciation for a project the depreciation rate authorized by FERC will be used instead of the rates shown on Attachment 6 for all other projects. Line 15, Col. (13). Includes project related regulatory assets.
- F Project True-Up Adjustment is calculated on the Attachment GG - GLH and Attachment MM - GLH True-Up Template (see col. K). For projects other than Attachment GG or MM, the Project True-up Adjustment is calculated on
- G The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in Line 15, col. 13.
- H A Competitive Bid Concession reflects any commitment by GLH to MISO to charge less than GLH's Ceiling Rate, regardless of how that Competitive Bid Concession is calculated. For each project, the amount of the Competitive Bid Concession will be zero or a reduction to the annual transmission revenue requirement in one or more years. GLH will include, as part of its Annual Update, (i) an explanation of the basis for any Competitive Bid Concession, (ii) a calculation of the Competitive Bid Concession, and (iii) any documentation needed to support the calculation of the Competitive Bid Concession. The amount in Column 17 above equals the amount by which the annual revenue requirement is reduced from the ceiling rate (see line 15 col. (17)).
- I Requires approval by FERC of incentive return applicable to the specified project(s) (see line 15, col. (15)).
- J This Attachment 1 is a reconciliation or summary of Attachment GG - GLH and Attachment MM - GLH. The actual calculations for Attachment GG and MM projects used in developing rates will be those calculated in Attachment GG - GLH and Attachment MM - GLH. Attachment 1 may also consist of other projects, such as those which have received FERC approval for an incentive adder but are not Attachment GG or MM projects. The incentives associated with those projects will be added to the Attachment O-GLH revenue requirement on Attachment O, page 3, line 30b.

Attachment 1 (Note J)
Project Revenue Requirement Worksheet
GridLiance Heartland LLC

[illegible]

Attachment 2 Incentive Return GridLiance Heartland LLC												
A	B	C	D	E	F	G	H	I	J			
1	Rate Base	Attachment O-GLH, page 2, line 30, Col.5										12,754,819
2	100 Basis Point Incentive Return							\$				
			\$	%		Cost		Weighted				
3	Long Term Debt	Attachment O-GLH, Notes Y and EE	-	40%		2.25%		0.0090				
4	Preferred Stock	Attachment O-GLH, Notes Y and EE	-	0%		-		-				
5	Common Stock (Note A) Cost = Attachment O, Line 29, Cost plus .01	Attachment O-GLH, Notes O, Y and EE	-	60%		11.82%		0.0709				
6	Total	Sum Lines 3 to 5	-					0.0799				
7	100 Basis Point Incentive Return multiplied by Rate Base	Line 1 * Line 6, Col. I										1,019,365
8	INCOME TAXES											
9	T=SIT * (1-FIT) + FIT - (p*FIT)	Attachment O-GLH, Page 3, Line 21	0.2796									
10	CIT=(T/1-T) * (1-(WCLTD/R)) =		0.3444									
11	WCLTD = Line 3											
12	and FIT, SIT & p are as given in footnote K.											
13	1 / (1 - T) = (from line 9)		1.3881									
14	Amortized Investment Tax Credit (266.8f) (enter negative)	Attachment O-GLH, Page 3, Line 24	-									
15	Excess Deferred Income Taxes (enter negative)	Attachment O-GLH, Page 3, Line 24a	-									
16	Tax Effect of Permanent Differences (Note B)	Attachment O-GLH, Page 3, Line 24b	1,159.00									
17	Income Tax Calculation	Line 10 * Line 7	351,101		NA			351,101				
18	ITC adjustment	Line 13 * Line 14	-		NP	-		-				
19	Excess Deferred Income Tax Adjustment	Line 13 * Line 15	-		NP	-		-				
20	Permanent Differences Tax Adjustment	Line 13 * Line 16	1,608.86		NP	-		-				
21	Total Income Taxes	Sum Lines 17 - 20	352,710					351,101				351,101
22	Return and Income Taxes with 100 basis point increase in ROE											1,370,466
23	Return	Attach. O, Page 3, Line 28, Col. 5										919,878
24	Income Tax	Attach. O, Page 3, Line 27, Col. 5										313,717
25	Return and Income Taxes without 100 basis point increase in ROE	Sum Lines 23 and 24										1,233,595
26	Incremental Return and Income Taxes for 100 basis point increase in ROE	Line 22 less Line 25										136,872
27	Rate Base	Line 1										12,754,819
28	Incremental Return and Income Taxes for 100 basis point increase in ROE divided by Rate Base	Line 26 / Line 27										0.0107

Notes:

- A Line 5 includes a 100 basis point increase in ROE that is used only to determine the increase in return and income taxes associated with a 100 basis point increase in ROE. Any ROE incentive must be approved by the Commission.
For example, if the Commission were to grant a 137 basis point ROE incentive, the increase in return and taxes for a 100 basis point increase in ROE would be multiplied by 1.37 on Attachment 1, column 16.
- B The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment O-GLH that are not the result of a timing difference.

Attachment 3 (Note 3)
Project True-Up
GridLiance Heartland LLC

Year				Annual True-Up Calculation			
1	A	B	C	D	E	F	G
	MTEP Project Number	Project Name	Adjusted Net Revenue Requirement ¹	Revenue Received ²	Net Under/(Over) Collection (C-D)	Interest Income (Expense)	Total True-Up Adjustment (E + F)
2			-	-	-	-	-
2a			-	-	-	-	-
2b			-	-	-	-	-
2c			-	-	-	-	-
2d			-	-	-	-	-
3	Total		-	-	-	-	-

1) From Attachment GG - GLH True-Up Calculation, Column G and Attachment MM - GLH True-Up Calculation, Column G, and Attachment O-GLH.
2) The "revenue received" is the total amount of revenue distributed to GLH in the True-Up Year. Attachment O, Lines 36a -37, page 4 of 5 of Attachment O - GLH
3) This Attachment 3 is a summary of the Attachment GG -GLH True-Up Calculation and the Attachment MM - GLH True-Up Calculation. The Attachment O - GLH True-Up is the actual True-Up calculation.

For each project or Attachment O-GLH, the utility will populate the formula rate with the inputs for the True-Up Year. The revenue requirements, based on actual operating results for the True-Up Year, associated with the projects and Attachment O-GLH will then be entered in Col. (C) above. Column (D) contains the actual revenues received associated with Attachment GG-GLH, Attachment MM-GLH and Attachment O-GLH paid by MISO to the utility during the True-Up Year. Col. (E) is the Net Under/(Over) Collection where Col. (D) is subtracted from Col. (C). Column (F), line 2 is the interest calculated in accordance with Attachment O-GLH Annual True-Up, Information Exchange and Challenge Procedures. Column (F), lines 2x contain the interest amounts calculated in column (J) of the Annual Attachment GG True-Up Calculation and the Annual Attachment MM True-Up Calculation. Col. (G) is the sum of the Net Under/(Over) Collection in Col. (E) and the interest in Col. (F).

FERC Refund Interest Rate

(a)		(b)	(c)	(d)
Interest Rate:		Quarter	Year	Quarterly Interest Rate under Section 35.19(a)
4		1st Qtr.	-	-
5		2nd Qtr	-	-
6		3rd Qtr	-	-
7		4th Qtr	-	-
8		1st Qtr	-	-
9		2nd Qtr	-	-
10		3rd Qtr	-	-
11		Sum lines 5-11	-	-
12				
13	Avg. Monthly FERC Rate	Line 12 divided by 7	-	-

Gross Plant In Service (Attachment O, Note Y and BB)							CWIP	LHFFU	Working Capital	Accumulated Depreciation (Attachment O, Note Y and BB)					
Line No	Month (a)	Production (b)	Transmission (c)	Distribution (d)	General & Intangible (e)	Common (f)	CWIP (Note C) (g)	Land Held for Future Use (h)	Materials & Supplies (i)	Prepayments (j)	Production (k)	Transmission (l)	Distribution (m)	General & Intangible (n)	Common (o)
	FN1 Reference for Dec	205.46.g	207.58.g	207.75.g	205.5.g & 207.99.g	356.1	216.x.b	214.x.d	227.5.e, 227.8.e & 227.16.e	111.57.e	219.20-24.e	219.25.e	219.26.e	219.28.e & 200.21.e	356.1
1	December Prior Year	-	27,606,012	-	-	-	-	-	328,467	1,206,208	-	12,930,481	-	-	-
2	January	-	27,606,012	-	-	-	-	-	328,467	1,099,944	-	12,976,491	-	-	-
3	February	-	27,606,012	-	-	-	-	-	328,467	993,680	-	13,022,501	-	-	-
4	March	-	27,606,012	-	-	-	-	-	328,467	887,417	-	13,068,511	-	-	-
5	April	-	27,606,012	-	-	-	-	-	328,467	781,153	-	13,114,521	-	-	-
6	May	-	27,606,012	-	-	-	-	-	328,467	674,890	-	13,160,531	-	-	-
7	June	-	27,606,012	-	-	-	-	-	328,467	568,626	-	13,206,541	-	-	-
8	July	-	27,606,012	-	-	-	-	-	328,467	462,363	-	13,252,551	-	-	-
9	August	-	27,606,012	-	-	-	-	-	328,467	356,099	-	13,298,561	-	-	-
10	September	-	27,606,012	-	-	-	-	-	328,467	325,039	-	13,344,571	-	-	-
11	October	-	27,606,012	-	-	-	-	-	328,467	250,252	-	13,390,581	-	-	-
12	November	-	27,606,012	-	-	-	-	-	328,467	142,856	-	13,436,591	-	-	-
13	December	-	33,711,503	-	-	-	-	-	328,467	148,329	-	13,492,777	-	-	-
14	Average of the 13 Monthly Balances	-	28,075,664.96	-	-	-	-	-	328,467.25	607,450.49	-	13,207,323.75	-	-	-
Adjustments to Rate Base (Attachment O, Note Y)															

Line No	Month (a)	Unamortized Regulatory Asset (b)	Unamortized Abandoned Plant (c)	Reserved (d)	Reserved (e)	Reserved (f)	Reserved (g)	Account No. 255 Accumulated Deferred Investment Credit (Note D) (h)
	FN1 Reference for Dec	Notes A & E	Notes B & F					Consistent with 266.8.b & 267.8.h
15	December Prior Year	-	-					-
16	January	-	-					-
17	February	-	-					-
18	March	-	-					-
19	April	-	-					-
20	May	-	-					-
21	June	-	-					-
22	July	-	-					-
23	August	-	-					-
24	September	-	-					-
25	October	-	-					-
26	November	-	-					-
27	December	-	-					-
28	Average of the 13 Monthly Balances -	-	-					-

Attachment 4
Rate Base Worksheet (Page 2 of Attachment O - GLH)
GridLiance Heartland LLC

Line No	Unfunded Reserves (Note G)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
				Enter 1 if NOT in a trust or reserved account, enter zero (0) if included in a trust or reserved account	Enter 1 if the accrual account is included in the formula rate, enter zero (0) if the accrual account is NOT included in the formula rate	Enter the percentage paid for by customers, 1 less the percent associated with an offsetting liability on the balance sheet	Allocation (Plant or Labor Allocator)		Amount Allocated, col. (c) x col. (d) x col. (e) x col. (f) x col. (g)
29	List of all reserves:	Amount							
30a	Reserve 1	-	-	-	-	-	-	-	-
30b	Reserve 2	-	-	-	-	-	-	-	-
30c	Reserve 3								-
30d	Reserve 4								-
30e	...								-
30f	...	-	-	-	-	-	-	-	-
31	Total	-							-
									\$0.00

Notes:

A Recovery of regulatory asset is limited to any regulatory assets authorized by FERC.

B Recovery of abandoned plant is limited to any abandoned plant recovery authorized by FERC.

C Includes only CWIP authorized by the Commission for inclusion in rate base. The Annual Update will include for each project under construction (i) the CWIP balance eligible for inclusion in rate base; (ii) the CWIP balance ineligible for inclusion in rate base; and (iii) a demonstration that AFUDC is only applied to the CWIP balance that is not included in rate base. The Annual Update will reconcile the project-specific CWIP balances to the total Account 107 CWIP balance reported on p. 216.b of the FERC Form 1

D Accumulated Deferred Income Tax Credits are computed on Attachments 8a and 8b

E Recovery of a Regulatory Asset is permitted only for pre-commercial and formation expenses, and is subject to FERC approval before the amortization of the Regulatory Asset can be included in rates. Recovery of any other regulatory assets requires authorization from the Commission. A carrying charge equal to the AFUDC rate will be applied to the Regulatory Asset prior to the rate year when costs are first recovered.

F Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant.

G The Formula Rate shall include a credit to rate base for all unfunded reserves (funds collected from customers that (1) have not been set aside in a trust, escrow or restricted account; (2) whose balance are collected from customers through cost accruals to accounts that are recovered under the Formula Rate; and (3) exclude the portion of any balance offset by a balance sheet account). Each unfunded reserve will be included on lines 30 above. The allocator in Col. (g) will be the same allocator used in the formula for the cost accruals to the account that is recovered under the Formula Rate. Reserves can be created by capital contributions from customers, by debiting the reserve and crediting a liability, or a combination of customer capital contribution and offsetting liability. Only the portion of a reserve that was created by customer contributions should be a reduction to rate base. For reserves that be created partially through customer contributions and partially by an offsetting liability, enter in column (f) the percentage of the reserve that was contributed by customers.

Attachment 5 Attachment O - GLH, Page 3 Worksheet GridLiance Heartland LLC														
Line No.	Month	Transmission O&M Expenses	Account No. 566 (Misc. Trans. Expense)	Account No. 565	A&G Expenses	FERC Annual Fees	EPRI & Reg. Comm. Exp. & Non-safety Ad.	Transmission Related Reg. Comm. Exp.	Transmission Lease Payments	Amortization of Regulatory Asset	Miscellaneous Transmission Expense (less Amortization of Regulatory Asset)	Depreciation Expense - Transmission (Attachment O - GLH, Note BB)	Less Ancillary Service Expenses included in Transmission O&M Accounts	
Attachment O - GLH, Page 3, Line Number		1 (a)	1b (b)	2 (c)	3 (d)	4 (e)	5 (f)	5a (g)	7 (h)	7b (i)	7c (j)	9 (k)	1a (l)	
FERC Form 1 Reference		321.112.b	321.97.b	321.96.b	323.197.b	Attachment O - GLH, Note I	Attachment O - GLH, Note I	Attachment O - GLH, Note I		321.97.b		321.97.b	336.7.f	Attachment O - GLH, Note U
1	January	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
2	February	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
3	March	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
4	April	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
5	May	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
6	June	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
7	July	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
8	August	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
9	September	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
10	October	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
11	November	378,228	-	-	345,028	-	-	-	-	-	-	46,010	148,708	
12	December	378,228	-	-	345,028	-	-	-	-	-	-	56,186	148,708	
13	Total	\$ 4,538,738	\$ -	\$ -	\$ 4,140,338	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 562,296	\$ 1,784,502	
Attachment O, Page 3, Line Number														
FERC Form 1 Reference		10 (a)	11a (b)	13 (c)	14 (d)	16 (e)	17 (f)	18 (g)	19 (h)	24 (i)	(j)	24b (k)	11 (l)	
FERC Form 1 Reference		336.10.f & 336.1.f	X & FF	263.i	263.i	263.i	263.i	263.i		266.8.f			336.11.f	
14	January	-	-	-	-	15,379	-	-	-	-	-	96.00	-	
15	February	-	-	-	-	15,379	-	-	-	-	-	96.00	-	
16	March	-	-	-	-	15,379	-	-	-	-	-	96.00	-	
17	April	-	-	-	-	15,379	-	-	-	-	-	96.00	-	
18	May	-	-	-	-	15,379	-	-	-	-	-	96.00	-	
19	June	-	-	-	-	15,379	-	-	-	-	-	97.00	-	
20	July	-	-	-	-	15,379	-	-	-	-	-	97.00	-	
21	August	-	-	-	-	15,379	-	-	-	-	-	97.00	-	
22	September	-	-	-	-	15,379	-	-	-	-	-	97.00	-	
23	October	-	-	-	-	15,379	-	-	-	-	-	97.00	-	
24	November	-	-	-	-	15,379	-	-	-	-	-	97.00	-	
25	December	-	-	-	-	15,379	-	-	-	-	-	97.00	-	
26	Total	\$ -	\$ -	\$ -	\$ -	\$ 184,553	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,159	\$ -	
27 RETURN (R) (Attachment O-GLH, Notes O, Y, and EE)														
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)		
		Long Term Interest (117, sum of 62.c through 67.c)							-					
		Preferred Dividends (118.29c) (positive number)							-					
		Proprietary Capital (112.16.c)							-					
		Less Preferred Stock (line 35, col. (d))							-					
		Less Account 216.1 (112.12.c)							-					
		Common Stock							-					
		(enter negative)												
		(sum lines 30 - 32)												

Attachment 6
Depreciation Rates
GridLiance Heartland LLC

<u>FERC ACCOUNT</u>	<u>DESCRIPTION</u>	<u>RATE PERCENT</u>
<u>TRANSMISSION</u>		
350	Land Rights	N/A
352	Structures and Improvements	1.5397%
353	Station Equipment	2.0285%
354	Towers and Fixtures	1.8847%
355	Poles and Fixtures	2.1496%
356	Overhead Conductors & Devices	2.0973%
357	Underground Conduit	1.3665%
358	Underground Conductors & Devices	1.8416%
359	Roads and Trails	0.0000%
<u>GENERAL AND INTANGIBLE</u>		
302	Franchises and Consents (Note 1)	N/A
303	Intangible Plant - 5 Year	20.0000%
390	Structures and Improvements	2.1194%
391	Office Furniture and Equipment	5.0671%
391	Network Equipment	25.0000%
392	Transportation Equipment - Auto	10.9667%
392	Transportation Equipment - Light Truck	8.4139%
392	Transportation Equipment - Trailers	6.9486%
392	Transportation Equipment - Heavy Trucks	7.2364%
393	Stores Equipment	5.0000%
394	Tools, Shop and Garage Equipment	6.6672%
395	Laboratory Equipment	10.0000%
396	Power Operated Equipment	8.4139%
397	Communication Equipment	11.1110%
398	Miscellaneous Equipment	6.6672%

Note 1:

Electric Intangible Franchises and Transmission Land Rights are amortized over the life of the franchise agreement or land right.

Note 2:

GLH's depreciation and amortization rates may not be changed absent a section 205 or 206 filing

Attachment 7
PBOPs
GridLiance Heartland LLC

Calculation of PBOP Expenses

Line No.

**Year Ended
December 31, ____**

1			
2	Total PBOP expenses	Note A	-
3	Labor dollars	Note A	-
4	Cost per labor dollar	Line 2 divided by line 3	-
5	labor (labor not capitalized) current year	(Note B)	-
6	PBOP Expense for current year	Line 4 times line 5	-
7	Lines 2 and 3 cannot change absent approval or acceptance by FERC in a separate proceeding.		
8	PBOP amount included in Company's O&M and A&G expenses in Form No. 1		-

Note

Letter

- | | |
|---|---------------------------------------------------------------------|
| A | Amounts will be zero until changed pursuant to a FERC order. |
| B | The sum of all labor included in accounts 560 to 579 and 920 to 935 |

Attachment 8a - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (Projection)

GridLiance Heartland LLC

Projection For the 12 months ended 12/31/2021

Ln	A Item	B Transmission Related	C Plant Related	D Labor Related	E (Sum Col. B, C & D) Total
1	ADIT-282 (enter negative)	(63,351)	-	-	Line 12
2	ADIT-283 (enter negative)	(99,901)	-	-	Line 16
3	ADIT-190	163,252	-	-	Line 21
4	Subtotal	(0)	-	-	Sum of Lines 1-3
5	Wages & Salary Allocator			0.77	Attachment-O Page 4 line 16
6	Net Plant Allocator		0.77		Attachment-O Page 2 line 6
7	Total Plant Allocator	1.00			100%
8	Projected ADIT Total	(0)	-	-	(0) Enter as negative Attachment-O, page 2, line 22

	(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Balance	(e) Transmission Related	(f) Plant Related	(g) Labor Related
ADIT-282							
9	Balance-BOY (Attach 8c, Line 30)	December	2020	(23,684.00)	-	-	-
10	EOY (Attach 8d, Line 30 less Line 26)	December	2021	-	-	-	-
11	Balance-EOY Prorated (Attach 8b, Line 14)	December	2021	(109,314.00)	(63,351.41)	-	-
12	ADIT 282-Total (Lines 10+11)			(109,314.00)	(63,351.41)	-	-
ADIT-283							
13	Balance-BOY (Attach 8c, Line 44)	December	2020	(163,885)	(163,885)	-	-
14	EOY (Attach 8d, Line 44 less Line 40)	December	2021	-	-	-	-
15	EOY Prorated (Attach 8b, Line 28)	December	2021	(25,763)	(99,901)	-	-
16	ADIT 283-Total (Lines 14+15)			(25,763)	(99,901)	-	-
ADIT-190							
17	Balance-BOY (Attach 8c, Line 18)	December	2020	187,569	187,569	-	-
18	EOY (Attach 8d, Line 18 less Line 14)	December	2021	-	-	-	-
19	EOY Prorated (Attach 8b, Line 42)	December	2021	135,077	163,252	-	-
20	ADIT 190-Total (Lines 18+19)			135,077	163,252	-	-

Attachment 8b - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (Projection)

GridLiance Heartland LLC

Projection For the 12 months ended 12/31/2021

(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Weighting for Projection	(e) Beginning Balance/ Monthly Increment	(f) Transmission	(g) Transmission Proration (d) x (f)	(h) Plant Related	(i) Plant Proration (d) x (h)	(j) Labor Related	(k) Labor Proration (d) x (j)
ADIT-282-Proration-Note A										
1 Balance (Attach 8c, Line 30)	December	2020	100.00%	(23,684)	(23,684)	(23,684)	-	-	-	-
2 Increment	January	2021	91.78%	(7,136)	(7,136)	(6,549)	-	-	-	-
3 Increment	February	2021	84.11%	(7,136)	(7,136)	(6,002)	-	-	-	-
4 Increment	March	2021	75.62%	(7,136)	(7,136)	(5,396)	-	-	-	-
5 Increment	April	2021	67.40%	(7,136)	(7,136)	(4,809)	-	-	-	-
6 Increment	May	2021	58.90%	(7,136)	(7,136)	(4,203)	-	-	-	-
7 Increment	June	2021	50.68%	(7,136)	(7,136)	(3,617)	-	-	-	-
8 Increment	July	2021	42.19%	(7,136)	(7,136)	(3,011)	-	-	-	-
9 Increment	August	2021	33.70%	(7,136)	(7,136)	(2,405)	-	-	-	-
10 Increment	September	2021	25.48%	(7,136)	(7,136)	(1,818)	-	-	-	-
11 Increment	October	2021	16.99%	(7,136)	(7,136)	(1,212)	-	-	-	-
12 Increment	November	2021	8.77%	(7,136)	(7,136)	(626)	-	-	-	-
13 Increment	December	2021	0.27%	(7,136)	(7,136)	(20)	-	-	-	-
14 ADIT 282-Prorated EOY Balance				(109,314)	(109,314)	(63,351)	-	-	-	-
ADIT-283-Proration-Note B										
15 Balance (Attach 8c, Line 44)	December	2020	100.00%	(163,885.00)	(163,885.00)	(163,885.00)	-	-	-	-
16 Increment	January	2021	91.78%	11,510	11,510	10,564.11	-	-	-	-
17 Increment	February	2021	84.11%	11,510	11,510	9,681.14	-	-	-	-
18 Increment	March	2021	75.62%	11,510	11,510	8,703.57	-	-	-	-
19 Increment	April	2021	67.40%	11,510	11,510	7,757.53	-	-	-	-
20 Increment	May	2021	58.90%	11,510	11,510	6,779.95	-	-	-	-
21 Increment	June	2021	50.68%	11,510	11,510	5,833.91	-	-	-	-
22 Increment	July	2021	42.19%	11,510	11,510	4,856.34	-	-	-	-
23 Increment	August	2021	33.70%	11,510	11,510	3,878.76	-	-	-	-
24 Increment	September	2021	25.48%	11,510	11,510	2,932.72	-	-	-	-
25 Increment	October	2021	16.99%	11,510	11,510	1,955.15	-	-	-	-
26 Increment	November	2021	8.77%	11,510	11,510	1,009.11	-	-	-	-
27 Increment	December	2021	0.27%	11,510	11,510	31.53	-	-	-	-
28 ADIT 283-Prorated EOY Balance				(25,763.18)	(25,763.18)	(99,901.17)	-	-	-	-
ADIT-190-Proration-Note C										
29 Balance (Attach 8c, Line 18)	December	2020	100.00%	187,569.00	187,569.00	187,569.00	-	-	-	-
30 Increment	January	2021	91.78%	(4,374)	(4,374)	(4,014.82)	-	-	-	-
31 Increment	February	2021	84.11%	(4,374)	(4,374)	(3,679.25)	-	-	-	-
32 Increment	March	2021	75.62%	(4,374)	(4,374)	(3,307.73)	-	-	-	-
33 Increment	April	2021	67.40%	(4,374)	(4,374)	(2,948.20)	-	-	-	-
34 Increment	May	2021	58.90%	(4,374)	(4,374)	(2,576.68)	-	-	-	-
35 Increment	June	2021	50.68%	(4,374)	(4,374)	(2,217.14)	-	-	-	-
36 Increment	July	2021	42.19%	(4,374)	(4,374)	(1,845.62)	-	-	-	-
37 Increment	August	2021	33.70%	(4,374)	(4,374)	(1,474.10)	-	-	-	-
38 Increment	September	2021	25.48%	(4,374)	(4,374)	(1,114.56)	-	-	-	-
39 Increment	October	2021	16.99%	(4,374)	(4,374)	(743.04)	-	-	-	-
40 Increment	November	2021	8.77%	(4,374)	(4,374)	(383.51)	-	-	-	-
41 Increment	December	2021	0.27%	(4,374)	(4,374)	(11.98)	-	-	-	-
42 ADIT 190-Prorated EOY Balance				135,076.73	135,076.73	163,252.38	-	-	-	-

Note 1 Uses a 365 day calendar year.**Note 2** Projected end of year ADIT must be based solely on enacted tax law. No assumptions for future estimated changes in tax law may be forecasted.**A** Substantial portion, if not all, of the ADIT-282 balance is subject to proration. Explanation must be provided for any portion of balance not subject to proration.**B** Only amounts in ADIT-283 relating to Depreciation, if applicable, are subject to proration. See Line 44 in Attach 8c and 8d.**C** Only amounts in ADIT-190 related to net operating loss NOL carryforwards, if applicable, are subject to proration. See Line 18 in Attach 8c and 8d.

Attachment 8c - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)
For the 12 months ended 12/31/2021

Ln	Item	Transmission Related	Plant Related	Labor Related	
1	ADIT-282	(23,684)	-	-	Line 30
2	ADIT-283	(163,885)	-	-	Line 44
3	ADIT-190	187,569	-	-	Line 18
4	Subtotal	-	-	-	Sum of Lines 1-4

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately. For ADIT directly related to project depreciation or CWIP, the balance will be shown in a separate row for each project.

A	B	C	D	E	F	G
ADIT-190	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
5						
6						
7						
8						
9						
10						
11						
12	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 1, Column L)					
13	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 1, Column M)					
14	NOL Carryforward	187,569	187,569			Amount subject to Proration
15	Subtotal - p234.b	187,569	187,569	-	-	
16	Less FASB 109 Above if not separately removed					
17	Less FASB 106 Above if not separately removed					
18	Total	187,569	187,569	-	-	

Instructions for Account 190:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

Attachment 8c - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)
For the 12 months ended 12/31/2021

A	B	C	D	E	F	G
ADIT- 282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
19						
20						
21						
22						
23						
24	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 2, Column L)					
25	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 2, Column M)					
26	Plant Items	(23,684)	(23,684)	-		Amount subject to Proration
27	Subtotal - p274.b	(23,684)	-	(23,684)	-	-
28	Less FASB 109 Above if not separately removed					
29	Less FASB 106 Above if not separately removed					
30	Total	(23,684)	-	(23,684)	-	-

Instructions for Account 282:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

A	B	C	D	E	F	G
ADIT- 283	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
31						
32						
33						
34						
35						
36						
37						
38	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 3, Column L)					
39	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 3, Column M)					
40	Depreciation Items	(163,885)	(163,885)			Amount subject to Proration
41	Subtotal - p276.b	(163,885)	-	(163,885)	-	-
42	Less FASB 109 Above if not separately removed					
43	Less FASB 106 Above if not separately removed					
44	Total	(163,885)	-	(163,885)	-	-

Instructions for Account 283:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

Attachment 8d - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)
For the 12 months ended 12/31/2021

Ln	Item	Transmission Related	Plant Related	Labor Related	
1	ADIT- 282	(109,314.00)	-	-	Line 30
2	ADIT-283	(25,763.00)	-	-	Line 44
3	ADIT-190	135,077.00	-	-	Line 18
4	Subtotal	-	-	-	Sum of Lines 1-4

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately. For ADIT directly related to project depreciation or CWIP, the balance will be shown in a separate row for each project.

	A	B	C	D	E	F	G
		Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
ADIT-190							
5							
6							
7							
8							
9							
10							
11							
12	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 1, Column R)						
13	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 1, Column S)						
14	NOL Carryforward	135,077		135,077			Amount subject to Proration
15	Subtotal - p234.c	135,077	-	135,077	-	-	
16	Less FASB 109 Above if not separately removed						
17	Less FASB 106 Above if not separately removed						
18	Total	135,077	-	135,077	-	-	

Instructions for Account 190:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

Attachment 8d - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)
For the 12 months ended 12/31/2021

A	B	C	D	E	F	G
ADIT-282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 2, Column R)						
(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 2, Column S)						
Plant Items	(109,314)		(109,314)			Amount subject to Proration
Subtotal - p275.k	(109,314)	-	(109,314)	-	-	
Less FASB 109 Above if not separately removed						
Less FASB 106 Above if not separately removed						
Total	(109,314)	-	(109,314)	-	-	

Instructions for Account 282:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

A	B	C	D	E	F	G
ADIT-283	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 3, Column R)						
(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 3, Column S)						
Depreciation Items	(25,763)		(25,763)			Amount subject to Proration
Subtotal - p277.k	(25,763)	-	(25,763)	-	-	
Less FASB 109 Above if not separately removed						
Less FASB 106 Above if not separately removed						
Total	(25,763)	-	(25,763)	-	-	

Instructions for Account 283:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

Attachment 8e - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (True-Up)

GridLiance Heartland LLC

For the 12 months ended 12/31/2021

Ln	A Item	B Transmission Related	C Plant Related	D Labor Related	E (Sum Col. B, C & D) Related
1	ADIT-282	45,963	-	-	Line 12
2	ADIT-283	-	-	-	Line 16
3	ADIT-190	28,176	-	-	Line 20
4	Subtotal	74,138	-	-	Sum of Lines 1-3
5	Wages & Salary Allocator			0.77	Attachment-O Page 4 line 16
6	Net Plant Allocator		0.77		Attachment-O Page 2 line 6
7	Total Plant Allocator	1.00			100%
8	ADIT True-Up Total	74,138	-	-	74,138 Enter as negative Attachment-O, page 2, line 22

	(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Balance	(e) Transmission	(f) Plant Related	(g) Labor Related
ADIT-282							
9	Balance-BOY (Attach 8c, Line 30)	December	2020	(23,684.00)	(23,684.00)	-	-
10	Balance-EOY (Attach 8d, Line 30 less Line 26)	December	2021	-	-	-	-
11	Balance-EOY-Prorated (Attach 8f, Line 14)	December	2021	(85,630.00)	45,962.59	-	-
12	Balance-EOY-Total (Lines 10+11)			(85,630.00)	45,962.59	-	-
ADIT-283							
13	Balance-BOY (Attach 8c, Line 44)	December	2020	(163,885)	(163,885)	-	-
14	Balance-EOY (Attach 8d, Line 44 less Line 40)	December	2021	-	-	-	-
15	Balance-EOY-Prorated (Attach 8f, Line 28)	December	2021	138,122	-	-	-
16	Balance-EOY-Total (Lines 14+15)			138,122	-	-	-
ADIT-190							
17	Balance-BOY (Attach 8c, Line 18)	December	2020	187,569	187,569	-	-
18	Balance-EOY (Attach 8d, Line 18 less Line 14)	December	2021	-	-	-	-
19	Balance-EOY-Prorated (Attach 8f, Line 42)	December	2021	(52,492)	28,176	-	-
20	Balance-EOY-Total (Lines 18+19)			(52,492)	28,176	-	-

Attachment 8f - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (True-up)

GridLiance Heartland LLC

For the 12 months ended 12/31/2021

(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Weighting for Projection	Transmission									
				(e) Monthly Increment	(f) Proration (d) x (e)	(g) Prorated Projected Balance (Cumulative Sum of f)	(h) Actual Monthly Activity	(i) Difference between projected and actual activity (h)- (e)	(j) Partially prorate actual activity above Monthly projection	(k) Partially prorate actual activity below Monthly projection but increases ADIT	(l) Partially prorate actual activity below Monthly projection and is a reduction to ADIT	(m) Partially prorated actual balance	
ADIT-282-Proration-Note A													
1 Balance (Attach 8c, Line 30)	December	2020	100.00%			(23,684)							-
2 Increment	January	2021	91.78%	(7,136)	(6,549)	(30,233)	-	7,136	7,136	-	-	-	587
3 Increment	February	2021	84.11%	(7,136)	(6,002)	(36,235)	-	7,136	7,136	-	-	-	1,720
4 Increment	March	2021	75.62%	(7,136)	(5,396)	(41,631)	-	7,136	7,136	-	-	-	3,460
5 Increment	April	2021	67.40%	(7,136)	(4,809)	(46,440)	-	7,136	7,136	-	-	-	5,787
6 Increment	May	2021	58.90%	(7,136)	(4,203)	(50,644)	-	7,136	7,136	-	-	-	8,719
7 Increment	June	2021	50.68%	(7,136)	(3,617)	(54,261)	-	7,136	7,136	-	-	-	12,238
8 Increment	July	2021	42.19%	(7,136)	(3,011)	(57,271)	-	7,136	7,136	-	-	-	16,364
9 Increment	August	2021	33.70%	(7,136)	(2,405)	(59,676)	-	7,136	7,136	-	-	-	21,095
10 Increment	September	2021	25.48%	(7,136)	(1,818)	(61,494)	-	7,136	7,136	-	-	-	26,412
11 Increment	October	2021	16.99%	(7,136)	(1,212)	(62,706)	-	7,136	7,136	-	-	-	32,336
12 Increment	November	2021	8.77%	(7,136)	(626)	(63,332)	-	7,136	7,136	-	-	-	38,846
13 Increment	December	2021	0.27%	(7,136)	(20)	(63,351)	-	7,136	7,136	-	-	-	45,963
14 ADIT 282-Prorated EOY Balance				(85,630)	(39,667)		-	85,630	85,630	-	-		
ADIT-283-Proration-Note B													
15 Balance (Attach 8c, Line 44)	December	2020	100.00%			(163,885)							-
16 Increment	January	2021	91.78%	11,510	10,564	(153,321)	-	(11,510)	-	10,564	10,564	-	-
17 Increment	February	2021	84.11%	11,510	9,681	(143,640)	-	(11,510)	-	9,681	9,681	-	-
18 Increment	March	2021	75.62%	11,510	8,704	(134,936)	-	(11,510)	-	8,704	8,704	-	-
19 Increment	April	2021	67.40%	11,510	7,758	(127,179)	-	(11,510)	-	7,758	7,758	-	-
20 Increment	May	2021	58.90%	11,510	6,780	(120,399)	-	(11,510)	-	6,780	6,780	-	-
21 Increment	June	2021	50.68%	11,510	5,834	(114,565)	-	(11,510)	-	5,834	5,834	-	-
22 Increment	July	2021	42.19%	11,510	4,856	(109,708)	-	(11,510)	-	4,856	4,856	-	-
23 Increment	August	2021	33.70%	11,510	3,879	(105,830)	-	(11,510)	-	3,879	3,879	-	-
24 Increment	September	2021	25.48%	11,510	2,933	(102,897)	-	(11,510)	-	2,933	2,933	-	-
25 Increment	October	2021	16.99%	11,510	1,955	(100,942)	-	(11,510)	-	1,955	1,955	-	-
26 Increment	November	2021	8.77%	11,510	1,009	(99,933)	-	(11,510)	-	1,009	1,009	-	-
27 Increment	December	2021	0.27%	11,510	32	(99,901)	-	(11,510)	-	32	32	-	-
28 ADIT 283-Prorated EOY Balance				138,122	63,984		-	(138,122)	-	63,984	63,984		
ADIT-190-Proration-Note C													
29 Balance (Attach 8c, Line 18)	December	2020	100.00%			187,569							
30 Increment	January	2021	91.78%	(4,374)	(4,015)	183,554	-	4,374	4,374	-	-	-	360
31 Increment	February	2021	84.11%	(4,374)	(3,679)	179,875	-	4,374	4,374	-	-	-	1,055
32 Increment	March	2021	75.62%	(4,374)	(3,308)	176,567	-	4,374	4,374	-	-	-	2,121
33 Increment	April	2021	67.40%	(4,374)	(2,948)	173,619	-	4,374	4,374	-	-	-	3,547
34 Increment	May	2021	58.90%	(4,374)	(2,577)	171,042	-	4,374	4,374	-	-	-	5,345
35 Increment	June	2021	50.68%	(4,374)	(2,217)	168,825	-	4,374	4,374	-	-	-	7,502
36 Increment	July	2021	42.19%	(4,374)	(1,846)	166,980	-	4,374	4,374	-	-	-	10,031
37 Increment	August	2021	33.70%	(4,374)	(1,474)	165,505	-	4,374	4,374	-	-	-	12,931
38 Increment	September	2021	25.48%	(4,374)	(1,115)	164,391	-	4,374	4,374	-	-	-	16,191
39 Increment	October	2021	16.99%	(4,374)	(743)	163,648	-	4,374	4,374	-	-	-	19,822
40 Increment	November	2021	8.77%	(4,374)	(384)	163,264	-	4,374	4,374	-	-	-	23,813
41 Increment	December	2021	0.27%	(4,374)	(12)	163,252	-	4,374	4,374	-	-	-	28,176
42 ADIT 190-Prorated EOY Balance				(52,492)	(24,317)		-	52,492	52,492	-	-		

Note 1 Uses a 365 day calendar year.**Note 2** Actual end of year ADIT must be based solely on enacted tax law. No assumptions for future estimated changes in tax law may be forecasted.**A** Substantial portion, if not all, of the ADIT-282 balance is subject to proration. Explanation must be provided for any portion of balance not subject to proration.**B** Only amounts in ADIT-283 relating to Depreciation, if applicable, are subject to proration. See Line 44 in Attach 8c and 8d.**C** Only amounts in ADIT-190 related to net operating loss carryforwards, if applicable, are subject to proration. See Line 18 in Attach 8c and 8d.

GridLiance Heartland LLC

For the 12 months ended 12/31/2021

[illegible]

GridLiance Heartland LLC

For the 12 months ended 12/31/2021

[illegible]

Line No.	Description	(A)	(B)	(C)
		(Excess)/Deficient ADIT as originally		
		FERC Account No. (a)	(Excess)/Deficient Income Tax Protected (Attachment 8h, Column G)	
	<u>FERC Account 190</u>			
1a	(2018 Illustrative Remeasurement) Net Operating Loss	182.3		-
1[]			(b), []	
1	Total FERC Account 190		(c)	-
	<u>FERC Account 282</u>			
2a	(2018 Illustrative Remeasurement) Electric	254		-
2[]			(b), []	
2	Total FERC Account 282		(c)	-
	<u>FERC Account 283</u>			
3a	(2018 Illustrative Remeasurement) Prepaid Insurance	254		-
3[]			(b), []	
3	Total FERC Account 283		(c)	-
4	TOTAL (Line 1 + Line 2 + Line 3)			-
	<u>Summary by Account</u>			
5	Account Total	182.3		-
6	Account Total	254		-
7				-

Notes

- (a) Specifies ADIT accounts to which (excess) or deficient ADIT has been booked.
- (b) GridLiance Heartland LLC may add or modify notes to explain items without a FPA Section 205 filing.
- (c) Total equals the sum of sublines a through [], where [] is the last subline denoted by a letter. GridLiance Heartland LLC r
- (d) Enter credit balances as negatives.
- (e) (Excess)/deficient ADIT to be amortized to FERC Account 411.1 or 410.1, respectively.
- (f) Amortization of excess (or deficient) deferred income taxes subject to ARAM will not begin until reversal occurs (*i.e.*, whe
- (g) In accordance with FERC guidance for ratemaking purposes, GridLiance Heartland LLC only grosses up the current year

- (h) FERC Form 1, page 234, column (b)
- (i) FERC Form 1, page 274, column (b)
- (j) FERC Form 1, page 276, column (b)
- (k) FERC Form 1, page 234, column (c)
- (l) FERC Form 1, page 275, column (k)
- (m) FERC Form 1, page 276, column (k)

Attachment 8g
cess)/Deficient ADIT Worksheet
GridLiance Heartland LLC
Costs in the Year Ending 2018

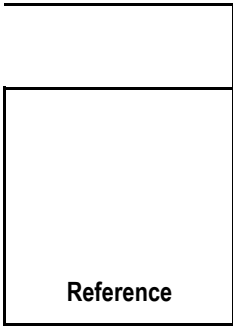
[illegible]

will not be included in current year amortization.

$$(T) = (R) + (S)$$

Amortized (Excess)/Deficient ADIT (d)					
Current Year Amortization		End of Year Balance			
Unprotected	Total	Protected	Unprotected		Total
-	-	- (k)	- (k)		-
		(k)	(k)		
-	-	-	-		-
-	-	- (l)	- (l)		-
		(l)	(l)		
-	-	-	-		-
-	-	- (m)	- (m)		-
		(m)	(m)		
-	-	-	-		-
-	-	-	-		-
-	-	-	-		-
-	-	-	-		-
-	-	-	-		-

(U)



Internal Records

Internal Records

Internal Records

Attachment 8h**ADIT Remeasurement**

Illustrative 2018 ADIT Remeasurement

Balances as of December 31, 2018

(A)	(B)	(C)
-----	-----	-----

Line No.	Description	Pre-Tax Rate Change Balances	Allocation Note (a)
	FERC Account 190		
1a	(2018 Illustrative Remeasurement) Net Operating Loss	-	-
1	Total FERC Account 190	-	
	FERC Account 282		
2a	(2018 Illustrative Remeasurement) Electric	-	-
2	Total FERC Account 282	-	
	FERC Account 283		
3a	(2018 Illustrative Remeasurement) Prepaid Insurance	-	-
3	Total FERC Account 283	-	
4	Total ADIT (Line 1 + Line 2 + Line 3)	-	

	<u>Tax Rates</u>	<u>Source</u>
5	Federal	
6	State	
7	Combined Rate	$(1 - ((1 - \text{Line 6}) * (1 - \text{Line 5})) / (1 - \text{Line 6} * \text{Line 5}))$
8	Federal (net of FBOS & SBOF)	(Line 7 - Line 6)
9	Effective Tax Rate (net of tax exempt adjustment)	$(\text{Line 7} / (1 - \text{Line 7})) * ((1 - \text{Line 10}) / (1 + (\text{Line 7} / (1 - \text{Line 7}))))$
10	Tax Exempt Ownership Percentage	

- | | | |
|----|----------------------------------------------------------|-----------------|
| 11 | Gross-Up factor - net of TE [1 / (1-effective tax rate)] | (1/(1-Line 9)) |
| 12 | Federal Benefit of State Rates (FBOS) | (Line 5*Line 6) |
| 13 | State Benefit of Federal Rate (SBOF) | |

Notes

This sheet is replicable for each remeasurement of (excess)/deficient deferred income taxes without an FPA Section 205 filing. GridLiance Heartland LLC may add or modify notes to explain items without a FPA Section 205 filing.

- (a) GridLiance Heartland LLC allocates total company ADIT between MISO Facilities and Non-MISO Facilities based on the following:

1.00000	1.00000
0.00000%	0.00000%
0.00000%	0.00000%

05 filing.

ed on net plant ratios. The net plant ratio corresponding to the current year of remeasurement is used for all items listed here

(I)
= (E) - (F)

(Excess)/Deficient
Deferred IT

Total

-
-

-

-
-

-

-
-

-

-

3. Refer to page 106b of the FERC Form No. 1 for additional references.

FERC rendition of the electronically filed tariff records in Docket No. ER21-01581-000

Filing Data:

CID: C001344

Filing Title: 2021-04-01_GridLiance Attachment O Filing

Company Filing Identifier: 13438

Type of Filing Code: 10

Associated Filing Identifier:

Tariff Title: FERC Electric Tariff

Tariff ID: 9

Payment Confirmation:

Suspension Motion:

Tariff Record Data:

Record Content Description, Tariff Record Title, Record Version Number, Option Code:

88, GridLiance Heartland Rate Formula Template, 41.0.0, A

Record Narrative Name:

Tariff Record ID: 11114

Tariff Record Collation Value: 1079816192 Tariff Record Parent Identifier: 3803

Proposed Date: 2021-05-31

Priority Order: 1000000000

Record Change Type: CHANGE

Record Content Type: 1

Associated Filing Identifier:

Attachment O – GLH

Page 1 of 5

Formula Rate – Non-Levelized

Rate Formula Template

For the 12 months ended 12/31/____

Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Lin e No.	(1)	(2)	(3)	(4)
1	GROSS REVENUE REQUIREMENT	(Page 3, Line 31)		
	REVENUE CREDITS	(Note S)	Total	Allocator
2	Account No. 454	(Page 4, Line 34)	-	DA 1.00
2a	Account No. 456	(Page 4, Line 34a)	-	DA 1.00
3	Account No. 456.1	(Page 4, Line 37)	-	DA 1.00
4	Revenues from Grandfathered Interzonal Transactions	(Note R)	-	DA 1.00
5	Revenues from service provided by the ISO at a discount	MISO invoices	-	DA 1.00
6	TOTAL REVENUE CREDITS	(Sum of Lines 2 through 5)		
6a	Adjustment to make Line 6b equal to zero if there is no revenue requirement associated with Schedules 7, 8 & 9			

6b	NET REVENUE REQUIREMENT	(Line 1 minus Lines 6 & 6a) (Note KK)			
6c	Attachment O-GLH True-up Adjustment with Interest	Attachment 3, Page 1, Line 3, Col. (G)	-	DA	1.0000 0
7	NET REVENUE REQUIREMENT	(Line 6b plus Line 6c)			
DIVISOR					
8	Average of 12 coincident system peaks for requirements (RQ) service				(Note A)
9	Plus 12 CP of firm bundled sales over one year not in Line 8				(Note B)
10	Plus 12 CP of Network Load not in Line 8				(Note C)
11	Less 12 CP of firm P-T-P over one year (enter negative)				(Note D)
12	Plus Contract Demand of firm P-T-P over one year				
13	Less Contract Demand from Grandfathered Interzonal Transactions over one year (enter negative)				(Note R)
14	Less Contract Demands from service over one year provided by ISO at a discount (enter negative)				
15	Divisor (sum Lines 8-14)				
16	Annual Cost (\$/kW/Yr)	(Line 7 / Line 15)	-		
17	Network & P-to-P Rate (\$/kW/Mo)	(Line 16 / 12)	-		

			Peak Rate	
18	Point-To-Point Rate (\$/kW/Wk)	(Line 16 / 52; Line 16 / 52)	-	
19	Point-To-Point Rate (\$/kW/Day)	(Line 16 / 260; Line 16 / 365)	-	Capped at weekly rate
20	Point-To-Point Rate (\$/MWh)	(Line 16 / 4,160; Line 16 / 8,760	-	Capped at weekly
		times 1,000)		and daily rates
21	FERC Annual Charge(\$/MWh)	(Note E)	-	Short Term
22			-	Long Term

Formula Rate – Non-Levelized

Rate Formula Template

For the 12 months ended 12/31/____

Utilizing FERC Form 1 Data
GridLiance Heartland LLC

	(1)	(2)	(3)	(4)
Line	Source	Company Total	Allocator (Note JJ)	
No.	RATE BASE: (Notes Y & BB)			
	GROSS PLANT IN SERVICE			
1	Production	Attachment 4, Line 14, Col. (b)	-	NA -
2	Transmission	Attachment 4, Line 14, Col. (c)	-	TP -
3	Distribution	Attachment 4, Line 14, Col. (d)	-	NA -
4	General & Intangible	Attachment 4, Line 14, Col. (e)	-	W/S -
5	Common	Attachment 4, Line 14, Col. (f)	-	CE -
6	TOTAL GROSS PLANT	(Sum of Lines 1 through 5)	-	GP= -
	ACCUMULATED DEPRECIATION			
7	Production	Attachment 4, Line 14, Col. (k)	-	NA -
8	Transmission	Attachment 4, Line 14, Col. (l)	-	TP -
9	Distribution	Attachment 4, Line 14, Col. (m)	-	NA -
10	General & Intangible	Attachment 4, Line 14, Col. (n)	-	W/S -
11	Common	Attachment 4, Line 14, Col. (o)	-	CE -
12	TOTAL ACCUM. DEPRECIATION	(Sum of Lines 7 through 11)	-	
	NET PLANT IN SERVICE			
13	Production	(Line 1 - Line 7)	-	
14	Transmission	(Line 2 - Line 8)	-	
15	Distribution	(Line 3 - Line 9)	-	
16	General & Intangible	(Line 4 - Line 10)	-	
17	Common	(Line 5 - Line 11)	-	

18	TOTAL NET PLANT	(Sum of Lines 13 through 17)	-	NP=	-
18a	CWIP Approved by FERC Order	Attachment 4, Line 14, Col. (g) (Note LL)	-	DA	1.0000
ADJUSTMENTS TO RATE BASE					
19	Reserved		-	NA	zero
20	Reserved		-	NA	zero
21	Reserved		-	NA	zero
22	ADIT Account No. 255 (enter negative)	Attachment 8a or 8e, line 8, Col (e)	-	NP	__-
23		Attachment 4, Line 28, Col. (h) (Note F)	-	NP	-
23a	Unamortized Regulatory Asset	Attachment 4, Line 28, Col. (b) (Note GG)	-	DA	1.00000
23b	Unamortized Abandoned Plant Unfunded Reserves (enter negative)	Attachment 4, Line 28, Col. (c) (Notes X & FF)	-	DA	1.00000
23c		Attachment 4, Line 31, Col. h)	-	DA	1.00000
24	TOTAL ADJUSTMENTS	(Sum of Lines 19 through 23c)	-		
25	LAND HELD FOR FUTURE USE	Attachment 4, Line 14, Col. (h) (Note G)	-	TP	-
WORKING CAPITAL					
26	CWC	(Note H) 1/8*(Page 3, Line 8 minus Page 3, Line 7b)	-		
27	Materials & Supplies	Attachment 4, Line 14, Col. (i) (Note G)	-	TP	-
28	Prepayments (Account 165)	Attachment 4, Line 14, Col. (j)	-	GP	-
29	TOTAL WORKING CAPITAL	(Sum of Lines 26 through 28)	-		
30	RATE BASE	(Sum of Lines 18, 18a, 24, 25 & 29)	-		

Formula Rate – Non-Levelized
For the 12 months ended 12/31/____

Rate Formula Template

Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Line	(1)	(2)	(3)		
No.		Source	Compa ny Total	Allocator (Note JJ)	
	O&M	(Note CC)			
1	Transmission	Attachment 5, Line 13, Col. (a)	-	TP	-
1a	Less Ancillary Service Expenses included in Transmission O&M Accounts (Note U)	Attachment 5, Line 13, Col. (l)	-	TP	-
1b	Less Account 566	Attachment 5, Line 13, Col. (b)	-	TP	-
2	Less Account 565	Attachment 5, Line 13, Col. (c)	-	TP	-
3	A&G	Attachment 5, Line 13, Col. (d)	-	W/S	-
4	Less FERC Annual Fees	Attachment 5, Line 13, Col. (e)	-	W/S	-
5	Less EPRI & Reg. Comm. Exp. & Non-safety Ad.	(Note I) Attachment 5, Line 13, Col. (f)	-	W/S	-
5a	Plus Transmission Related Reg. Comm. Exp.	(Note I) Attachment 5, Line 13, Col. (g)	-	TP	-
5b	Less PBOP Expense in Year	Attachment 7, Line 6	-	W/S	-
5c	Plus PBOP Expense Allowed Amount	Attachment 7, Line 8	-	W/S	-
6	Common	356.1	-	CE	-
7	Transmission Lease Payments	Attachment 5, Line 13, Col (h)	-	DA	1.000
7a	Account 566				
7b	Amortization of Regulatory Asset	(Note GG) Attachment 5, Line 13, Col. (i)	-	DA	1.000
7c	Miscellaneous Transmission Expense (less Amortization of Regulatory Asset)	Attachment 5, Line 13, Col .(j)	-	TP	-
7d	Total Account 566	(Line 7b plus Line 7c) Ties to 321.97.b	-		
8	TOTAL O&M	(Sum of Lines 1, 3, 5a, 5c, 6, 7, & 7d less Lines 1a, 1b, 2, 4, 5, & 5b)	-		
	DEPRECIATION EXPENSE	(Note BB)			
9	Transmission	Attachment 5, Line 13, Col. (k)	-	TP	-
10	General & Intangible	Attachment 5, Line 26, Col. (a)	-	W/S	-
11	Common	Attachment 5, Line 26, Col (l)	-	CE	-
11a	Amortization of Abandoned Plant	(Notes X & FF) Attachment 5, Line 26, Col. (b)	-	DA	1.000

12	TOTAL DEPRECIATION	(Sum of Lines 9 through 11a)	-		
	TAXES OTHER THAN INCOME TAXES	(Note J)			
	LABOR RELATED				
13	Payroll	Attachment 5, Line 26, Col. (c)	-	W/S	-
14	Highway and vehicle	Attachment 5, Line 26, Col. (d)	-	W/S	-
15	PLANT RELATED				
16	Property	Attachment 5, Line 26, Col. (e)	-	GP	-
17	Gross Receipts	Attachment 5, Line 26, Col. (f)	-	NA	
18	Other	Attachment 5, Line 26, Col. (g)	-	GP	-
19	Payments in lieu of taxes	Attachment 5, Line 26, Col. (h)	-	GP	-
20	TOTAL OTHER TAXES	(Sum of Lines 13 through 19)	-		
	INCOME TAXES	(Note K)			
21	$T = 1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\}$	(Note K)	-		
22	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / \text{R})) =$ FIT, SIT & p	WCLTD = Page 4, Line 27; R = Page 4, Line 30 (Note K)	-		
23	$1 / (1 - T) =$ (from Line 21)	$1 / (1 - T)$ (T from Line 21)	-		
24	Amortized Investment Tax Credit	(enter negative) Attachment 5, Line 26, Col. (i)	-		
24a	(Excess)/Deficient Deferred Income Taxes	Attachment 8g, Line 4, Col. (K)	-		
24b	Tax Effect of Permanent Differences	Attachment 5, line 26, Col. (k) (Note II)	-		
25	Income Tax Calculation	(Line 22) times (Page 4, Line 30) times (Page 2, Line 30)	-		
26	ITC adjustment	(Line 23 times Line 24)	-	NP	
26a	(Excess)/Deficient Deferred Income Tax Adjustment	(Line 23 times Line 24a)	-	NP	
26b	Permanent Differences Tax Adjustment	(Line 23 times Line 24b)	-	NP	
27	Total Income Taxes	(Sum of Lines 25 through 26b)	-		

RETURN

28	Rate Base times Return	(Page 2, Line 30 times Page 4, Line 30, Col. (5))	-	NA
29	REV. REQUIREMENT	(Sum of Lines 8, 12, 20, 27 & 28)	-	
30	LESS ATTACHMENT GG ADJUSTMENT [Attachment GG-GLH, Page 2, Line 17, Column 14] (Note V)			
	[Revenue Requirement for facilities included on Page 2, Lines 2, 18a, 23a, & 23b and			
	also included in Attachment GG]		-	DA
30a	LESS ATTACHMENT MM ADJUSTMENT [Attachment MM-GLH, Page 2, Line 17, Column 14] (Note Z)			
	[Revenue Requirement for facilities included on Page 2, Lines 2, 18a, 23a, & 23b and			
	also included in Attachment MM]		-	DA
30b	PLUS Incentives on Attachment 1 for projects other than those included in	Attachment 1, line 18	-	
	Attachment MM-GLH and Attachment GG-GLH.			
30c	Plus: Regulatory Adjustment	(Note OO)	-	DA
31	REV. REQUIREMENT TO BE COLLECTED UNDER ATTACHMENT O		-	
	(Line 29 - Line 30 - Line 30a + Line 30b + Line 30c)			

Formula Rate – Non-Levelized
For the 12 months ended 12/31/____
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Rate Formula Template

(1) (2) (3) (4)

SUPPORTING
CALCULATIONS AND NOTES

Line No.	TRANSMISSION PLANT INCLUDED IN ISO RATES			
1	Total Transmission plant	(Page 2, Line 2, Column 3)		
2	Less Transmission plant excluded from ISO rates	(Note L)		
3	Less Transmission plant included in OATT Ancillary Services	(Note M)		
4	Transmission plant included in ISO rates	(Line 1 minus Lines 2 & 3)		
5	Percentage of Transmission plant included in ISO Rates	(Line 4 divided by Line 1)		TP
6 - 11	WAGES & SALARY ALLOCATOR (W&S)			
		Form 1 Reference	\$ TP	Allocation
12	Production	354.20.b	-	-
13	Transmission (Note MM)	354.21.b	-	-
14	Distribution	354.23.b	-	-
15	Other	354.24,25,26.b	-	-
16	Total (sum lines 12-15) [If there are no labor dollars, input \$1 on line 13 which is then multiplied by the TP allocator on line 13]		-	-
	COMMON PLANT ALLOCATOR (CE) (Notes N and DD)			
			\$	% Electric (Line 17 / Line 20)
17	Electric	200.3.c	-	
18	Gas	200.3.d	-	-
19	Water	200.3.e	-	
20	Total	(Sum of Lines 17 through 19)	-	
21 - 26	RETURN (R)			
			\$ %	Cost

27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34	-	-	-
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	-	-	-
29	Common Stock	(Notes O, Y and EE) Attachment 5, Line 36	-	-	0.00%
30	Total	(Sum of Lines 27 through 29)	-	-	

REVENUE CREDITS

	ACCOUNT 447 (SALES FOR RESALE)	310 -311
31	a. Bundled Non-RQ Sales for Resale	311.x.h
32	b. Bundled Sales for Resale included in Divisor on Page 1	
33	Total of (a)-(b)	(Note P)
34	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)	(Note Q)
34a	Account 456 (OTHER ELECTRIC REVENUES)	(Note NN)
	ACCOUNT 456.1 (REVENUES FROM TRANSMISSION OF ELECTRICITY OF OTHERS)	330.x.n (Note T)
35	a. Transmission charges for all transmission transactions	
36	b. Transmission charges for all transmission transactions included in Divisor on Page 1	
36a	c. Transmission charges from Schedules associated with Attachment GG	(Note W)
36b	d. Transmission charges from Schedules associated with Attachment MM	(Note AA)
37	Total of (a)-(b)-(c)-(d)	

Formula Rate – Non-Levelized

Rate Formula Template

For the 12 months ended 12/31/____
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.)
References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Note Letter

- A Peak as would be reported on Page 401, Column d of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- B Labeled LF, LU, IF, IU on Pages 310-311 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- C Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- D Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks. Only MISO-related items are included.
- E The FERC's annual charges for the year assessed the Transmission Owner for service under this formula rate. Only MISO-related items are included.
- F The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109. Balance of Account 255 is reduced by prior flow through and excluded if the utility chose to utilize amortization of tax credits against taxable income. Account 281 is not allocated.
- G Identified in Form 1 as being only transmission related.
- H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at Page 3, Line 8, Column 5 less Page 3, Line 7a. Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111 Line 57 in the Form 1.
- I Line 5 - EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 930.1. Line 5a - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- J Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- K The currently effective income tax rate, where FIT is the weighted average Federal income tax rate; SIT is the weighted average State income tax rate, and $p = \text{"the percentage of federal income tax deductible for state income taxes."}$ If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by $(1/(1-T))$ (Page 3, Line 26). Excess and Deficient Deferred Income Taxes reduce or increase income tax expense by the amount of the excess or deficient expense multiplied by $(T/(1-T))$ (page 3, line 26a).
- Inputs Required: FIT = - (Federal Income Tax Rate)
SIT = - (State Income Tax Rate or Composite SIT)
p = - (percent of federal income tax deductible for state purposes)
- L Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test) or removes transmission plant that is not under MISO functional control.
- M Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- N Enter dollar amounts.
- O ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. A 50 basis point adder for RTO participation may be added to the ROE up to the upper end of the zone of reasonableness established by FERC.
- P Page 4, Line 33 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1.
- Q Includes income related only to transmission facilities, such as pole attachments, rentals and special use, less any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing

- each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- R Grandfathered agreements whose rates have been changed to eliminate or mitigate pancaking - the revenues are included in Line 4 Page 1 and the loads are included in Line 13, Page 1. Grandfathered agreements whose rates have not been changed to eliminate or mitigate pancaking - the revenues are not included in Line 4, Page 1 nor are the loads included in Line 13, Page 1. This line will exclude any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- S The revenues credited on Page 1, Lines 2-6 shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to determine which revenues are related to MISO assets and services versus Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- T Account 456.1 entry shall be the annual total of the quarterly values reported at Form 1, Page 330.x.n, less any amounts related to Non-MISO assets or services. For clarification, GLH commits to provide a workpaper itemizing each revenue source in order for interested parties to easily determine which revenues are related to MISO assets, and Non-MISO assets and services. Non-MISO assets are transmission assets not under MISO functional control.
- U Includes scheduling, system control and dispatch costs recorded in Accounts 561.1 through 561.3 and which are recovered in Schedule 1 or Schedule 24 rates. Also excludes Account 561.4 and Account 561.8.
- V Pursuant to Attachment GG of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment GG.
- W Removes from revenue credits revenue that are distributed pursuant to Schedules associated with Attachment GG of the MISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment GG revenue requirements.
- X Page 2 Line 23b includes any unamortized balances related to the recovery of abandoned plant costs approved by FERC under a separate docket. Page 3, Line 11a includes the Amortization expense of abandonment costs. These are shown in the workpapers required pursuant to the Annual Rate Calculation and True-up Procedures.
- Y Calculate using 13 month average balance, reconciling to FERC Form No. 1 by Page, Line, and Column as shown in Attachment 4 for inputs on page 2 of 5 above, except ADIT, page 2, lines 19-22, which is on Attachment 8a or 8e and shown on Attachment 5. Calculate using 13 month average balance, reconciling to FERC Form No. 1 by Page, Line, and Column as shown in Attachment 5 for inputs on lines 27, 28 and 29 of page 4 of 5 above. For the first Rate Year, as defined in the Protocols, GLH will use thirteen months of balances in calculating the 13- month average for the determination of the projected net revenue requirement.
- Z Pursuant to Attachment MM of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment MM.
- AA Removes from revenue credits revenues that are distributed pursuant to Schedules associated with Attachment MM of the MISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment MM revenue requirements.
- BB Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC.
- CC Schedule 10-FERC charges should not be included in O&M recovered under this Attachment O.
- DD Calculate using a simple average of beginning of year and end of year balances reconciling to FERC Form No. 1 by Page, Line and Column as shown in Column 2.
- EE Prior to obtaining long term debt, the cost of debt will be the average 3-month LIBOR for the year plus 2.0%. LIBOR refers to the London Inter Bank Offer Rate from the Federal Reserve Bank of St. Louis's <https://fred.stlouisfed.org/>. The capital structure and cost of debt will be the weighted for the year if the long term debt is obtained midyear. However, if prior to obtaining long term debt, the company has short term debt, the cost of debt will be calculated pursuant to Attachment 5, note D. The capital structure will be 60% equity and 40% debt until any asset is placed in service, then it will be based on the actual capital structure, provided that during any period where the equity component of the actual capital structure is greater than 60%, company will reduce the equity component to a level not to exceed 60%. If the capital structure is reduced to 60% equity, the reduced ATRR as a result of capping the equity portion of GridLiance's capital structure at 60%, and the difference between these two values shall be provided by the company in its Annual True-up. The amount of debt in the capital structure will be equal to 1 minus the equity percentage.
- FF Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant. Utility must submit a Section 205 filing to recover the cost of abandoned plant.
- GG Recovery of regulatory asset permitted only for pre-commercial and formation expenses and are subject to FERC approval before any Regulatory Asset amounts are included in rates. Recovery of any other regulatory assets requires

- authorization from the Commission. A carrying charge equal to the AFUDC rate will be applied to the regulatory asset prior to the rate year when costs are first recovered. Per Commission order dated January 31, 2020, in Docket No. EC20-13, the Regulatory Asset may not be included in rates until March 1, 2025.
- HH Reserved
- II The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment O-GLH that are not the result of a timing difference.
- JJ DA in the allocator Column means that the cost is directly assigned to transmission consistent with the attached workpapers.
- KK Round to zero if amount shown is not zero and there is no revenue requirement to recover under Schedules 7, 8, and 9 of the MISO OATT.
- LL AFUDC ceases when CWIP is recovered in rate base. No CWIP will be included in rate base on line 18a absent FERC authorization.
- MM It is possible GLH will not have any salaries and wages to report in the FERC Form No. 1 (that is page 4, lines 12-15 are zero), even if GLH has existing transmission assets in service. If and when this occurs page 4, line 13, column 3 will be input as 1.
- NN Includes revenue from electric operations properly credited to MISO customers and not includible in other accounts, such as compensation for minor or incidental services provided for others. GLH commits to provide a workpaper itemizing each revenue source for interested parties to determine which revenues should be reflected herein.
- OO Per Commission Order dated January 31, 2020 in Docket No. EC20-13, reflects a \$2,650,000 fixed annual credit amount for the four transmission lines to be transferred over to MISO's functional control, starting on the day after the closing date of the transaction in Docket No. EC20-13 and continuing for 60 months (Rate Mitigation Period). Also reflects an additional \$950,000 fixed annual credit amount for the remaining two transmission lines, once transferred over to MISO's functional control (expected to be on or about June 1, 2022) from the date of transfer of functional control to MISO and continuing for 60 months. Amount to be entered as negative.

Attachment 1 (Note J)

Project Revenue Requirement Worksheet
GridLiance Heartland LLC

To be completed in conjunction with Attachment O - GLH.

(inputs from Attachment O - GLH are rounded to whole dollars)

(1)		(2)	(3)
		Source	
Line		Page, Line, Col.	Transmi
No.			
1	Gross Transmission Plant - Total	Attach O, p 2, line 2 col 5 (Note A)	-
1a	Transmission Accumulated Depreciation	Attach O, p 2, line 8 col 5	-
1b	CWIP, Regulatory Asset, Abandoned Plant	Attach O, p 2, lines 18a, 23a & 23b (Note B)	-
2	Net Transmission Plant - Total	Line 1 minus Line 1a plus Line 1b	-
O&M TRANSMISSION EXPENSE			
3	Total O&M Allocated to Transmission	Attach O, p 3, line 8 col 5	-
3a	Transmission O&M	Attach O, p 3, line 1 col 5	-
3b	Less: Ancillary Service Expenses included in above	Attach O, p 3, line 1a col 5	-
3c	Less: Account 565 included in above, if any	Attach O, p 3, line 2 col 5, if any	-
3d	Less: Account 566 Amort of Reg Asset included in 3a, if any	Attach O, p 3, line 7b col 5, if any	-
3e	Adjusted Transmission O&M	Line 3a minus Lines 3b thru 3d	-
4	Annual Allocation Factor for Transmission O&M	(Line 3e divided by line 1, col 3)	-
OTHER O&M EXPENSE			
4a	Other O&M Allocated to Transmission	Line 3 minus Line 3e	-
4b	Annual Allocation Factor for Other O&M	Line 4a divided by Line 1, col 3	-
GENERAL, INTANGIBLE AND COMMON (G, I & C) DEPRECIATION EXPENSE			
5	Total G, I & C Depreciation Expense	Attach O, p 3, lines 10 & 11, col 5 (Note G)	-
6	Annual Allocation Factor for G, I & C Depreciation Expense	(line 5 divided by line 1 col 3)	-

TAXES OTHER THAN INCOME TAXES

7	Total Other Taxes	Attach O, p 3, line 20 col 5	-
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	-
9	Annual Allocation Factor for Other Expense	Sum of line 4b, 6, and 8	-

INCOME TAXES

10	Total Income Taxes	Attach O, p 3, line 27 col 5	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	

RETURN

12	Return on Rate Base	Attach O, p 3, line 28 col 5	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	
14	Annual Allocation Factor for Return	Sum of line 11 and 13 col 4	

Attachment 1

Project Revenue Requirement Worksheet
GridLiance Heartland LLC

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Line No.	Project Name	MTEP # or Other Designation	Project Gross Plant	Project Accumulated Depreciation/A mortization	Transmission O&M Annual Allocation Factor	Annual Allocation for Transmission O&M Expense	Annual Allocation Factor for Other Expense	Annual Allocation f Other Exper
15			(Note C)		Page 1 line 4	Col. 3 * Col. 5	Page 1 line 9	Col. 3 * Col
		-		-	-	-	-	-
15a	-		-					
	-	-		-	-	-	-	-
15b			-					
	-	-		-	-	-	-	-
15c			-					
	-	-		-	-	-	-	-
15d			-					
	-	-		-	-	-	-	-
15e			-					
	-	-		-	-	-	-	-
15f			-					
	-	-		-	-	-	-	-
15g			-					
	-	-		-	-	-	-	-
15h			-					
	-	-		-	-	-	-	-
15i			-					
	-	-		-	-	-	-	-
15j			-					
	-	-		-	-	-	-	-
15k			-					
	-	-		-	-	-	-	-
15l								

			-						
	-	-		-	-	-	-	-	-
15m			-						
	-	-		-	-	-	-	-	-
15n			-						
	-	-		-	-	-	-	-	-
15o			-						
	-	-		-	-	-	-	-	-
			-						
	-	-		-	-	-	-	-	-
			-						
	-	-		-	-	-	-	-	-
			-						
	-	-		-	-	-	-	-	-
			-						

16. Annual Totals
- - - - -
17. Rev. Req. Adj For Attachment O
18. Incentives from Projects other than those in Attachment GG- GLH and Attachment MM-GLH

Notes:

- A. Gross Transmission Plant that is included on page 2 line 2 of Attachment O-GLH (see line 1 col (3)).
- B. Inclusive of any CWIP, unamortized abandoned plant and unamortized project-related regulatory asset included in rate base when authorized by FERC order. Excludes start-up regulatory asset (see line 1b, col. (3)).
- C. Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1. This value includes subsequent capital investments required to maintain the facilities to their original capabilities. Gross plant does not include any CWIP, unamortized abandoned plant or any regulatory asset (see line 15, col. (3)).
- D. Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation in col (4). Net Plant includes any CWIP in rate base, any project related regulatory asset and any Unamortized Abandoned Plant approved by the Commission (see line 15, col. (10)). Net plant does not include start-up regulatory asset.
- E. Project Depreciation Expense is the actual value booked in Attachment O-GLH, Page 3, line 9 that is associated with the specified project. Project Depreciation Expense includes the amortization of Abandoned Plant. However, if FERC grants accelerated depreciation for a project the depreciation rate authorized by FERC will be used instead of the rates shown on Attachment 6 for all other projects. Line 15, Col. (13). Includes project related regulatory assets.
- F. Project True-Up Adjustment is calculated on the Attachment GG - GLH and Attachment MM - GLH True-Up Template (see col. K). For projects other than Attachment GG or MM, the Project True-Up Adjustment is calculated on Attachment 3.
- G. The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in Line 15, col. 13.
- H. A Competitive Bid Concession reflects any commitment by GLH to MISO to charge less than GLH's Ceiling Rate, regardless of how that Competitive Bid Concession is calculated. For each project, the amount of the Competitive Bid Concession will be zero or a reduction to the annual transmission revenue requirement in one or more years. GLH will include, as part of its Annual Update, (i) an explanation of the basis for any Competitive Bid Concession, (ii) a calculation of the Competitive Bid Concession, and (iii) any documentation needed to support the calculation of the Competitive Bid Concession. The amount in Column 17 above equals the amount by which the annual revenue requirement is reduced from the ceiling rate (see line 15 col. (17)).
- I. Requires approval by FERC of incentive return applicable to the specified project(s) (see line 15, col. (15)).
- J. This Attachment 1 is a reconciliation or summary of Attachment GG - GLH and Attachment MM - GLH. The actual calculations for Attachment GG and MM projects used in developing rates will be those calculated in Attachment GG - GLH and Attachment MM - GLH. Attachment 1 may also consist of other projects, such as those which have received FERC approval for an incentive adder but are not Attachment GG or MM projects. The incentives associated with those projects will be added to the Attachment O-GLH revenue requirement on Attachment O, page 3, line 30b.
- K. Per Commission Order dated January 31, 2020 in Docket No. EC20-13, reflects a \$2,650,000 fixed annual credit amount for the four transmission lines to be transferred over to MISO's functional control, starting on the day after the closing date of the transaction in Docket No. EC20-13 and continuing for 60 months (Rate Mitigation Period). Also reflects an additional \$950,000 fixed annual credit amount for the remaining two transmission lines, once transferred over to MISO's functional control (expected to be on or about June 1, 2022) from the date of transfer of functional control to MISO and continuing for 60 months. Amount to be entered as negative.

Attachment 2
Incentive Return
GridLiance Heartland LLC

	A	B	C	D	E	F
1	Rate Base		Attachment O-GLH, page 2, line 30, Col.5			
2	100 Basis Point Incentive Return					
				\$	%	
3	Long Term Debt		Attachment O-GLH, Notes Y and EE	-	0%	
4	Preferred Stock		Attachment O-GLH, Notes Y and EE	-	0%	
5	Common Stock (Note A)	Cost = Attachment O, Line 29, Cost plus .01	Attachment O-GLH, Notes O, Y and EE	-	0%	
6	Total		Sum Lines 3 to 5	-		
7	100 Basis Point Incentive Return multiplied by Rate Base		Line 1 * Line 6, Col. I			
8	INCOME TAXES					
			Attachment O-GLH, Page 3, Line 21			
9	$T = \text{SIT} * (1 - \text{FIT}) + \text{FIT} - (p * \text{FIT})$			-		
10	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / R)) =$			-		
11	WCLTD = Line 3					
12	and FIT, SIT & p are as given in footnote K.					
13	$1 / (1 - T) =$ (from line 9)			-		
14	Amortized Investment Tax Credit (266.8f) (enter negative)		Attachment O-GLH, Page 3, Line 24	-		
15	Excess Deferred Income Taxes (enter negative)		Attachment O-GLH, Page 3, Line 24a	-		
16	Tax Effect of Permanent Differences (Note B)		Attachment O-GLH, Page 3, Line 24b	-		
17	Income Tax Calculation		Line 10 * Line 7	-		NA
18	ITC adjustment		Line 13 * Line 14	-		NP
19	Excess Deferred Income Tax Adjustment		Line 13 * Line 15	-		NP

20	Permanent Differences Tax Adjustment	Line 13 * Line 16	-	NP
21	Total Income Taxes	Sum Lines 17 - 20	-	
22	Return and Income Taxes with 100 basis point increase in ROE			
23	Return	Attach. O, Page 3, Line 28, Col. 5		
24	Income Tax	Attach. O, Page 3, Line 27, Col. 5		
25	Return and Income Taxes without 100 basis point increase in ROE	Sum Lines 23 and 24		
26	Incremental Return and Income Taxes for 100 basis point increase in ROE	Line 22 less Line 25		
27	Rate Base	Line 1		
28	Incremental Return and Income Taxes for 100 basis point increase in ROE divided by Rate Base	Line 26 / Line 27		

Notes:

- A. Line 5 includes a 100 basis point increase in ROE that is used only to determine the increase in return and income taxes associated with a 100 basis point increase in ROE. Any ROE incentive must be approved by the Commission.
- For example, if the Commission were to grant a 137 basis point ROE incentive, the increase in return and taxes for a 100 basis point increase in ROE would be multiplied by 1.37 on Attachment 1, column 16.
- B. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment O-GLH that are not the result of a timing difference.

Attachment 3 (Note 3)

Project True – Up
GridLiance Heartland LLC

1	Year		Annual True-Up Calculation			
	A	B	C	D	E	F
	MTEP Project Number	Project Name	Adjusted Net Revenue Requirement ¹	Revenue Received ²	Net Under/(Over) Collection (C-D)	Interest Income (Expense)
2			-	-	-	-
2a			-	-	-	-
2b			-	-	-	-
2c			-	-	-	-
2d			-	-	-	-
3	Total		-	-	-	-

1) From Attachment GG - GLH True-Up Calculation, Column G and Attachment MM - GLH True-Up Calculation, Column G, and Attachment O-GLH.

2) The "revenue received" is the total amount of revenue distributed to GLH in the True-Up Year. Attachment O, Lines 36a -37, page 4 of 5 of Attachment O – GLH.

3) This Attachment 3 is a summary of the Attachment GG -GLH True-Up Calculation and the Attachment MM - GLH True-Up Calculation. The Attachment O - GLH True-Up is the actual True-Up calculation.

For each project or Attachment O-GLH, the utility will populate the formula rate with the inputs for the True-Up Year. The revenue requirements, based on actual operating results for the True-Up Year, associated with the projects and Attachment O-GLH will then be entered in Col. (C) above. Column (D) contains the actual revenues received associated with Attachment GG-GLH, Attachment MM-GLH and Attachment O-GLH paid by MISO to the utility during the True-Up Year. Col. (E) is the Net Under/(Over) Collection where Col. (D) is subtracted from Col. (C). Column (F), line 2 is the interest calculated in accordance with Attachment O-GLH Annual True-Up, Information Exchange and Challenge Procedures. Column (F), lines 2x contain the interest amounts calculated in column (J) of the Annual Attachment GG True-Up Calculation and the Annual Attachment MM True-Up Calculation. Col. (G) is the sum of the Net Under/(Over) Collection in Col. (E) and the interest in Col. (F).

FERC Refund Interest Rate

	(a)	(b)	(c)	(d)
				Quarterly Interest Rate u Section 35.19(a)
4	Interest Rate:	Quarter	Year	
5		1st Qtr.	-	-
6		2nd Qtr	-	-
7		3rd Qtr	-	-
8		4th Qtr	-	-
9		1st Qtr	-	-
1		2nd Qtr	-	-
0		3rd Qtr	-	-
1				
1		Sum lines 5-11		-
2				
1				
3	Avg. Monthly FERC Rate	Line 12 divided by 7		-

Attachment 4

Rate Base Worksheet (Page 2 of Attachment O – GLH)
GridLiance Heartland LLC

[illegible]

Adjustments to Rate Base (Attachment O, Note Y)

Line No	Month	Unamortized Regulatory Asset	Unamortized Abandoned Plant	Reserved	Reserved	Reserved	Reserved
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	FN1 Reference for Dec	Notes A & E	Notes B & F				
15	December Prior Year	-	-	-	-	-	-
16	January	-	-	-	-	-	-
17	February	-	-	-	-	-	-
18	March	-	-	-	-	-	-
19	April	-	-	-	-	-	-
20	May	-	-	-	-	-	-
21	June	-	-	-	-	-	-
22	July	-	-	-	-	-	-
23	August	-	-	-	-	-	-
24	September	-	-	-	-	-	-
25	October	-	-	-	-	-	-
26	November	-	-	-	-	-	-
27	December	-	-	-	-	-	-
	Average of the 13						
28	Monthly Balances -	-	-				

Attachment 4

Rate Base Worksheet (Page 2 of Attachment O – GLJH)
GridLiance Heartland LLC

Line No	Unfunded Reserves (Note G)						
	(a)	(b)	(c)	(d)	(e)	(f)	
				Enter 1 if NOT in a trust or reserved account, enter zero (0) if included in a trust or reserved account	Enter 1 if the accrual account is included in the formula rate, enter zero (0) if the accrual account is NOT included in the formula rate	Enter the percentage paid for by customers, 1 less the percent associated with an offsetting liability on the balance sheet	Allocation
29	List of all reserves:	Amount					Allocation
30a	Reserve 1	-	-	-	-	-	
30b	Reserve 2	-	-	-	-	-	
30c	Reserve 3						
30d	Reserve 4						
30e	...						
30f	...	-	-	-	-	-	
31	Total	-					

Notes:

- A. Recovery of regulatory asset is limited to any regulatory assets authorized by FERC.
- B. Recovery of abandoned plant is limited to any abandoned plant recovery authorized by FERC.
- C. Includes only CWIP authorized by the Commission for inclusion in rate base. The Annual Update will include for each project under construction (i) the CWIP balance eligible for inclusion in rate base; (ii) the CWIP balance ineligible for inclusion in rate base; and (iii) a demonstration that AFUDC is only applied to the CWIP balance that is not included in rate base. The Annual Update will reconcile the project-specific CWIP balances to the total Account 107 CWIP balance reported on p. 216.b of the FERC Form 1
- D. Accumulated Deferred Income Tax Credits are computed on Attachments 8a and 8b
- E. Recovery of a Regulatory Asset is permitted only for pre-commercial and formation expenses, and is subject to FERC approval before the amortization of the Regulatory Asset can be included in rates. Recovery of any other regulatory assets requires authorization from the Commission. A carrying charge equal to the AFUDC rate will be applied to the Regulatory Asset prior to the rate year when costs are first recovered.
- F. Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant.
- G. The Formula Rate shall include a credit to rate base for all unfunded reserves (funds collected from customers that (1) have not been set aside in a trust, escrow or restricted account; (2) whose balance are collected from customers through cost accruals to accounts that are recovered under the Formula Rate; and (3) exclude the portion of any balance offset by a balance sheet account). Each unfunded reserve will be included on lines 30 above. The allocator in Col. (g) will be the same allocator used in the formula for the cost accruals to the account that is recovered under the Formula Rate. Reserves can be created by capital contributions from customers, by debiting the reserve and crediting a liability, or a combination of customer capital contribution and offsetting liability. Only the portion of a reserve that was created by customer contributions should be a reduction to rate base. For reserves that be created partially through customer contributions and partially by an offsetting liability, enter in column (f) the percentage of the reserve that was contributed by customers.

Attachment 5

Attachment O – GLH, Page 3 Worksheet
GridLiance Heartland LLC

Line No.	Month	Transmissi on O&M Expenses	Account No. 566 (Misc. Trans. Expense)	Account No. 565	A&G Expen ses	FERC Annual Fees	EPRI & Reg. Comm. Exp. & Non-safety Ad.	Transmis sion Related Reg. Comm. Exp.	Transmis sion Lease Payment s	Amortiz ation of Regulat ory Asset	Mis Tra Exp Amc Re
Attachment O - GLH, Page 3, Line Number		1	1b	2	3	4	5	5a	7	7b	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	
FERC Form 1 Reference		321.112.b	321.97.b	321.96.b	323.19 7.b	Attach ment O - GLH, Note I	Attachment O - GLH, Note I	Attachm ent O - GLH, Note I		321.97. b	3
1	January	-	-	-	-	-	-	-	-	-	-
2	February	-	-	-	-	-	-	-	-	-	-
3	March	-	-	-	-	-	-	-	-	-	-
4	April	-	-	-	-	-	-	-	-	-	-
5	May	-	-	-	-	-	-	-	-	-	-
6	June	-	-	-	-	-	-	-	-	-	-
7	July	-	-	-	-	-	-	-	-	-	-
8	August	-	-	-	-	-	-	-	-	-	-
9	September	-	-	-	-	-	-	-	-	-	-
10	October	-	-	-	-	-	-	-	-	-	-
11	November	-	-	-	-	-	-	-	-	-	-
12	December	-	-	-	-	-	-	-	-	-	-
13	Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Depreciatio n Expense - General & Intangible (Attachme nt O - GLH, Note BB)

Amortization of Abandoned Plant

Payroll Taxes

Highw ay & Vehicl e Taxes

Propert y Taxes

Gross Receipts Taxes

Other Taxes

Payment s in lieu of Taxes

Amortiz ed Investm ent Tax Credit (266.8f)

[illegible]

27 RETURN (R) (Attachment O-GLH,
Notes O, Y, and EE)

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
28		Long Term Interest (117, sum of 62.c through 67.c)						-
29		Preferred Dividends (118.29c) (positive number)						-
30		Proprietary Capital (112.16.c)						-
31		Less Preferred Stock (line 35, col. (d))						-
32		Less Account 216.1 (112.12.c)		(enter negati ve) (sum lines 30 - 32)				-
33		Common Stock						-

						Cost Rates
			\$	%		
34	Long Term Debt	Note A and Note D	-	-		-
35	Preferred Stock (112.3.c)	Note B	-	-	-	-
36	Common Stock	Note C	-	-		-
37	Total	(Sum of Lines 34 through 36)	-			

Note:

Long Term debt balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 lines 18.c to 21.c in the

A Form No. 1, the cost is calculated by dividing line 28 by the Long Term Debt balance in line 34.

Preferred Stock balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 line 3.c in the Form No. 1, the cost is calculated by dividing line 29 by the Preferred Stock balance in line 35.

B Common Stock balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 lines 3.c 12.c, 16.c in the Form No. 1 as shown on lines 30-33 above

C If the company has short-term debt prior to issuing long-term debt, line 34 will reflect the outstanding short-term debt and cost rates only until long term debt is issued, as calculated below:

D

Short-term debt
outstanding

The 13 month average of the balances consistent with "S", the average short-term debt
balance pursuant to Part 101 of the Commission's Regulations, Electric Plant Instruction
The interest "s", the short-term debt interest rate pursuant to
Part 101 of the Commission's Regulations, Electric Plant

Short-term debt cost

Instruction 17

Attachment 6

Depreciation Rates
GridLiance Heartland LLCFERC ACCOUNTDESCRIPTIONTRANSMISSION

350	Land Rights
352	Structures and Improvements
353	Station Equipment
354	Towers and Fixtures
355	Poles and Fixtures
356	Overhead Conductors & Devices
357	Underground Conduit
358	Underground Conductors & Devices
359	Roads and Trails

GENERAL AND INTANGIBLE

302	Franchises and Consents (Note 1)
303	Intangible Plant - 5 Year
390	Structures and Improvements
391	Office Furniture and Equipment
391	Network Equipment
392	Transportation Equipment - Auto
392	Transportation Equipment - Light Truck
392	Transportation Equipment - Trailers
392	Transportation Equipment - Heavy Trucks
393	Stores Equipment
394	Tools, Shop and Garage Equipment
395	Laboratory Equipment
396	Power Operated Equipment
397	Communication Equipment
398	Miscellaneous Equipment

Note 1:

Electric Intangible Franchises and Transmission Land Rights are amortized over the life of the franchise agreement or land right.

Note 2:

GLH's depreciation and amortization rates may not be changed absent a section 205 or 206 filing.

Attachment 7

PBOPs
GridLiance Heartland LLC

Calculation of PBOP Expenses

Line No.

1

2 Total PBOP expenses

Note A

3 Labor dollars

Note A

4 Cost per labor dollar

Line 2 divided by line 3

5 labor (labor not capitalized) current year

(Note B)

6 PBOP Expense for current year

Line 4 times line 5

7 Lines 2 and 3 cannot change absent approval or acceptance by FERC in a separate proceeding.

8 PBOP amount included in Company's O&M and A&G expenses in Form No. 1

Note

Letter

A. Amounts will be zero until changed pursuant to a FERC order.

B The sum of all labor included in accounts 560 to 579 and 920 to 935.

Attachment 8a - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (Projection)

GridLiance Heartland LLC

Projection for the 12 months ended 12/31/____

Ln	A Item	B Transmission Related	C Plant Related	D Labor Related	E (Sum Col. B, C & D) Total	
1	ADIT-282 (enter negative)	-	-	-		Line 12
2	ADIT-283 (enter negative)	-	-	-		Line 16
3	ADIT-190	-	-	-		Line 21
4	Subtotal	-	-	-		Sum of Lines 1-3
5	Wages & Salary Allocator			-		Attachment-O Pa
6	Net Plant Allocator		-			Attachment-O Pa
7	Total Plant Allocator	1.00				100% Enter as negative
8	Projected ADIT Total	-	-	-		22

	(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Balance	(e) Transmission Related	(f) Plant Related	(g) Labor Related
ADIT-282							
9	Balance-BOY (Attach 8c, Line 30)	December	-	-	-	-	-
10	EOY (Attach 8d, Line 30 less Line 26)	December	-	-	-	-	-
11	Balance-EOY Prorated (Attach 8b, Line 14)	December	-	-	-	-	-
12	ADIT 282-Total (Lines 10+11)			-	-	-	-
ADIT-283							
13	Balance-BOY (Attach 8c, Line 44)	December	-	-	-	-	-
14	EOY (Attach 8d, Line 44 less Line 40)	December	-	-	-	-	-
15	EOY Prorated (Attach 8b, Line 28)	December	-	-	-	-	-
16	ADIT 283-Total (Lines 14+15)			-	-	-	-
ADIT-190							
17	Balance-BOY (Attach 8c, Line 18)	December	-	-	-	-	-

18	EOY (Attach 8d, Line 18 less Line 14)	December	-	-	-	-	-
19	EOY Prorated (Attach 8b, Line 42)	December	-	-	-	-	-
20	ADIT 190-Total (Lines 18+19)			-	-	-	-

Attachment 8b - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (Projection)

GridLiance Heartland LLC

Projection for the 12 months ended 12/31/____

	(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Weighting for Projection	(e) Beginning Balance/ Monthly Increment	(f) Transmission	(g) Transmission Proration (d) x (f)	
ADIT-282-Proration-Note A								
1	Balance (Attach 8c, Line 30)	December	-	100.00%	-	-	-	-
2	Increment	January	-	91.78%	-	-	-	-
3	Increment	February	-	84.11%	-	-	-	-
4	Increment	March	-	75.62%	-	-	-	-
5	Increment	April	-	67.40%	-	-	-	-
6	Increment	May	-	58.90%	-	-	-	-
7	Increment	June	-	50.68%	-	-	-	-
8	Increment	July	-	42.19%	-	-	-	-
9	Increment	August	-	33.70%	-	-	-	-
10	Increment	September	-	25.48%	-	-	-	-
11	Increment	October	-	16.99%	-	-	-	-
12	Increment	November	-	8.77%	-	-	-	-
13	Increment	December	-	0.27%	-	-	-	-
14	ADIT 282-Prorated EOY Balance				-	-	-	-
ADIT-283-Proration-Note B								
15	Balance (Attach 8c, Line 44)	December	-	100.00%	-	-	-	-
16	Increment	January	-	91.78%	-	-	-	-
17	Increment	February	-	84.11%	-	-	-	-
18	Increment	March	-	75.62%	-	-	-	-
19	Increment	April	-	67.40%	-	-	-	-
20	Increment	May	-	58.90%	-	-	-	-
21	Increment	June	-	50.68%	-	-	-	-

22	Increment	July	-	42.19%	-	-	-	-
23	Increment	August	-	33.70%	-	-	-	-
24	Increment	September	-	25.48%	-	-	-	-
25	Increment	October	-	16.99%	-	-	-	-
26	Increment	November	-	8.77%	-	-	-	-
27	Increment	December	-	0.27%	-	-	-	-
28	ADIT 283-Prorated EOY Balance				-	-	-	-

ADIT-190-Proration-Note C

29	Balance (Attach 8c, Line 18)	December	-	100.00%	-	-	-	-
30	Increment	January	-	91.78%	-	-	-	-
31	Increment	February	-	84.11%	-	-	-	-
32	Increment	March	-	75.62%	-	-	-	-
33	Increment	April	-	67.40%	-	-	-	-
34	Increment	May	-	58.90%	-	-	-	-
35	Increment	June	-	50.68%	-	-	-	-
36	Increment	July	-	42.19%	-	-	-	-
37	Increment	August	-	33.70%	-	-	-	-
38	Increment	September	-	25.48%	-	-	-	-
39	Increment	October	-	16.99%	-	-	-	-
40	Increment	November	-	8.77%	-	-	-	-
41	Increment	December	-	0.27%	-	-	-	-
42	ADIT 190-Prorated EOY Balance				-	-	-	-

Note 1: Uses a 365 day calendar year.

Note 2: Projected end of year ADIT must be based solely on enacted tax law. No assumptions for future estimated changes in tax law may be forecasted.

A. Substantial portion, if not all, of the ADIT-282 balance is subject to proration. Explanation must be provided for any portion of balance not subject to proration.

B. Only amounts in ADIT-283 relating to Depreciation, if applicable, are subject to proration. See Line 44 in Attach 8c and 8d.

C. Only amounts in ADIT-190 related to net operating loss carryforwards, if applicable, are subject to proration.
See Line 18 in Attach 8c and 8d.

Attachment 8c - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)

Page 1 of
2

Projection for the 12 months ended 12/31/____

Ln	Item	Transmission Related	Plant Related	Labor Related
1	ADIT-282	-	-	-
2	ADIT-283	-	-	-
3	ADIT-190	-	-	-
4	Subtotal	-	-	-

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item v amounts exceeding \$100,000 will be listed separately. For ADIT directly related to project depreciation or CWIP, the balance will be shown in a separate

	A	B	C	D	E	F
	ADIT-190	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related
5						
6						
7						
8						
9						
10						
11						
12	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 1, Column L)					
13	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 1, Column M)					
14	NOL Carryforward					
15	Subtotal - p234.b	-	-	-	-	-
16	Less FASB 109 Above if not separately removed					
17	Less FASB 106 Above if not separately removed					
18	Total	-	-	-	-	-

Instructions for Account 190:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F

5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

Attachment 8c - Accumulated Deferred Income Taxes (ADIT) Worksheet (Beginning of Year)

Page 2 of
2

Projection for the 12 months ended 12/31/____

	A	B	C	D	E	F
	ADIT- 282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related
1						
9	-	-		-		
2						
0						
2						
1						
2						
2						
2						
3						
2	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 2, Column L)					
4						
2	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 2, Column M)					
5						
2						
6	Plant Items					
2						
7	Subtotal - p274.b	-	-	-	-	-
2	Less FASB 109 Above if not separately removed					
8						
2	Less FASB 106 Above if not separately removed					
9						
3						
0	Total		-	-	-	-

Instructions for Account 282:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item gives rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

	A	B	C	D	E	F
	ADIT- 283	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related
3						
1						
3						
2						
3						
3						
4						
3						
5						
3						
6						
3						
7						
3	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 3, Column L)					
8	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 3, Column M)					
3						
9						
4						
0	Depreciation Items					
4						
1	Subtotal - p276.b	-	-	-	-	-
4	Less FASB 109 Above if not separately removed					
2						
4	Less FASB 106 Above if not separately removed					
3						
4						
4	Total	-	-	-	-	-

Instructions for Account 283:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

Attachment 8d - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)

Page 1 of
2

Projection for the 12 months ended 12/31/____

Ln	Item	Transmission Related	Plant Related	Labor Related
1	ADIT- 282	-	-	-
2	ADIT-283	-	-	-
3	ADIT-190	-	-	-
4	Subtotal	-	-	-

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item will be amounts exceeding \$100,000 will be listed separately. For ADIT directly related to project depreciation or CWIP, the balance will be shown in a separate row for

	A	B	C	D	E	F
	ADIT-190	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related
5						
6						
7						
8						
9						
10						
11						
12	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 1, Column R)					
13	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 1, Column S)					
14	NOL Carryforward					
15	Subtotal - p234.c	-	-	-	-	-

16	Less FASB 109 Above if not separately removed					
17	Less FASB 106 Above if not separately removed					
18	Total	-	-	-	-	-

Instructions for Account 190:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

Attachment 8d - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)

Page 2 of
2

Projection for the 12 months ended 12/31/____

	A	B	C	D	E
ADIT-282		Total	Gas, Prod or Other Related	Transmission Related	Plant Related
1					
9					
2					
0					
2					
1					
2					
2					
2					
3					
2	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 2, Column R)				
4					
2	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 2, Column S)				
5					
2	Plant Items				
6					
2	Subtotal - p275.k	-	-	-	-
7					
2	Less FASB 109 Above if not separately removed				
8					
2	Less FASB 106 Above if not separately removed				
9					
3					
0	Total	-	-	-	-

Instructions for Account 282:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

	A	B	C	D	E	F
ADIT-283		Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related
31						
32						
33						
34						
35						
36						
37						

38	(Excess)/Deficient Deferred Income Taxes – Protected (Attach 8g, Line 3, Column R)					
39	(Excess)/Deficient Deferred Income Taxes – Unprotected (Attach 8g, Line 3, Column S)					
40	Depreciation Items					
41	Subtotal - p277.k	-	-	-	-	-
42	Less FASB 109 Above if not separately removed					
43	Less FASB 106 Above if not separately removed					
44	Total	-	-	-	-	-

Instructions for Account 283:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded. This includes but is not limited to SFAS 109 & 158 balance sheet items and the related ADIT.

Attachment 8e - Accumulated Deferred Income Taxes (ADIT) Average Worksheet (True-Up)

GridLiance Heartland LLC

Projection for the 12 months ended 12/31/____

A		B	C	D	E (Sum Col C & D)
Ln	Item	Transmission Related	Plant Related	Labor Related	Related
1	ADIT-282	-	-	-	
2	ADIT-283	-	-	-	
3	ADIT-190	-	-	-	
4	Subtotal	-	-	-	
5	Wages & Salary Allocator			-	
6	Net Plant Allocator		-		
7	Total Plant Allocator	1.00			
8	ADIT True-Up Total	-	-	-	-

(a) Beginning Balance & Monthly Changes		(b) Month	(c) Year	(d) Balance	(e) Transmission Related	(f) Plant Related	(g) Labor Related
ADIT-282							
9	Balance-BOY (Attach 8c, Line 30)	December	-	-	-	-	
10	Balance-EOY (Attach 8d, Line 30 less Line 26)	December	-	-	-	-	
11	Balance-EOY-Prorated (Attach 8f, Line 14)	December	-	-	-	-	-
12	Balance-EOY-Total (Lines 10+11)			-	-	-	-
ADIT-283							
13	Balance-BOY (Attach 8c, Line 44)	December	-	-	-	-	-
14	Balance-EOY (Attach 8d, Line 44 less Line 40)	December	-	-	-	-	-
15	Balance-EOY-Prorated (Attach 8f, Line 28)	December	-	-	-	-	-
16	Balance-EOY-Total (Lines 14+15)			-	-	-	-

ADIT-190

17	Balance-BOY (Attach 8c, Line 18)	December	-	-	-	-	-
18	Balance-EOY (Attach 8d, Line 18 less Line 14)	December	-	-	-	-	-
19	Balance-EOY-Prorated (Attach 8f, Line 42)	December	-	-	-	-	-
20	Balance-EOY-Total (Lines 18+19)			-	-	-	-

Attachment 8f - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (True-up)

GridLiance Heartland LLC

For the 12 Months Ended 12/31/____

				Transmission						
(a) Beginning Balance & Monthly Changes	(b) Month	(c) Year	(d) Weighting for Projection	(e) Monthly Increment	(f) Proration (d) x (e)	(g) Prorated Projected Balance (Cumulative Sum of f)	(h) Actual Monthly Activity	(i) Difference between projected and actual activity (h)-(e)	(j) Partially prorate actual activity above Monthly projection	(k) Partially prorate actual activity below Monthly projection but increase ADIT
ADIT-282-Proration-Note A										
Balance (Attach 8c, Line 30)	December	-	100.00 %			-				
1 Increment	January	-	91.78 %	-	-	-	-	-	-	-
2 Increment	February	-	84.11 %	-	-	-	-	-	-	-
3 Increment	March	-	75.62 %	-	-	-	-	-	-	-
4 Increment	April	-	67.40 %	-	-	-	-	-	-	-
5 Increment	May	-	58.90 %	-	-	-	-	-	-	-
6 Increment	June	-	50.68 %	-	-	-	-	-	-	-
7 Increment	July	-	42.19 %	-	-	-	-	-	-	-
8 Increment	August	-	33.70 %	-	-	-	-	-	-	-
9 Increment	September	-	25.48 %	-	-	-	-	-	-	-
10 Increment	October	-	16.99 %	-	-	-	-	-	-	-
11 Increment	November	-		-	-	-	-	-	-	-
12 Increment	December	-	8.77%	-	-	-	-	-	-	-
13 Increment	December	-	0.27%	-	-	-	-	-	-	-
ADIT 282-Prorated EOY Balance				-	-		-	-	-	-
ADIT-283-Proration-Note B										
Balance (Attach 8c, Line 44)	December	-	100.00 %			-				
1 Increment	January	-	91.78 %	-	-	-	-	-	-	-
6 Increment	January	-		-	-	-	-	-	-	-

1		Februa		84.11								
7	Increment	ry	-	%	-	-	-	-	-	-	-	-
1				75.62								
8	Increment	March	-	%	-	-	-	-	-	-	-	-
1				67.40								
9	Increment	April	-	%	-	-	-	-	-	-	-	-
2				58.90								
0	Increment	May	-	%	-	-	-	-	-	-	-	-
2				50.68								
1	Increment	June	-	%	-	-	-	-	-	-	-	-
2				42.19								
2	Increment	July	-	%	-	-	-	-	-	-	-	-
2				33.70								
3	Increment	August	-	%	-	-	-	-	-	-	-	-
2		Septe		25.48								
4	Increment	mber	-	%	-	-	-	-	-	-	-	-
2		Octobe		16.99								
5	Increment	r	-	%	-	-	-	-	-	-	-	-
2		Novem										
6	Increment	ber	-	8.77%	-	-	-	-	-	-	-	-
2		Decem										
7	Increment	ber	-	0.27%	-	-	-	-	-	-	-	-
2	ADIT 283-Prorated EOY											
8	Balance				-	-		-	-	-	-	-
ADIT-190-Proration-Note C												
2	Balance (Attach 8c,	Decem		100.00								
9	Line 18)	ber	-	%			-					
3		Januar		91.78								
0	Increment	y	-	%	-	-	-	-	-	-	-	-
3		Februa		84.11								
1	Increment	ry	-	%	-	-	-	-	-	-	-	-
3				75.62								
2	Increment	March	-	%	-	-	-	-	-	-	-	-
3				67.40								
3	Increment	April	-	%	-	-	-	-	-	-	-	-
3				58.90								
4	Increment	May	-	%	-	-	-	-	-	-	-	-
3				50.68								
5	Increment	June	-	%	-	-	-	-	-	-	-	-
3				42.19								
6	Increment	July	-	%	-	-	-	-	-	-	-	-
3				33.70								
7	Increment	August	-	%	-	-	-	-	-	-	-	-
3		Septe		25.48								
8	Increment	mber	-	%	-	-	-	-	-	-	-	-
3		Octobe		16.99								
9	Increment	r	-	%	-	-	-	-	-	-	-	-
4		Novem										
0	Increment	ber	-	8.77%	-	-	-	-	-	-	-	-
4		Decem										
1	Increment	ber	-	0.27%	-	-	-	-	-	-	-	-
4	ADIT 190-Prorated EOY											
2	Balance				-	-		-	-	-	-	-

[illegible]

Attachment 8f - Accumulated Deferred Income Taxes (ADIT) Proration Worksheet (True-up)

GridLiance Heartland LLC

For the 12 Months Ended 12/31/____

[illegible]

[illegible]

Note 1 – Uses a 365 day calendar year.

Note 2 – Actual end of year ADIT must be based solely on enacted tax law. No assumptions for future estimated changes in tax law may be forecasted.

A – Substantial portion, if not all, of the ADIT-282 balance is subject to proration. Explanation must be provided for any portion of balance not subject to proration.

B – Only amounts in ADIT-283 relating to Depreciation, if applicable, are subject to proration. See Line 44 in Attach 8c and 8d.

C – Only amounts in ADIT-190 related to net operating loss carryforwards, if applicable, are subject to proration. See Line 18 in Attach 8c and 8d.

Attachment 8g
(Excess)/Deficient ADIT Worksheet
GridLiance Heartland LLC
Costs in the Year Ending ____

Line No.	Description	(A)	(B)	(C)	(D)	(E) = (C) + (D)	(F)	(G)	(H)	(I)
		(Excess)/Deficient ADIT as originally recorded at remeasurement (d)					Amortization Period (years)			
			(Excess)/Deficient Deferred Income Taxes							
		FERC Account No. (a)	Protected (Attachment 8h, Column G)	Unprotected (Attachment 8h, Column H)	Total	Protected (f) (g)	Unprotected (g)	FERC Account No. (e)		
	FERC Account 190									
1a			-	-	-					
1[]		(b), []								
1		(c)	-	-	-					
	FERC Account 282									
2a			-	-	-					
2[]		(b), []								
2	Total FERC Account 282	(c)	-	-	-					
3a			-	-	-					
3[]		(b), []								
3	Total FERC Account 283	(c)	-	-	-					
4	TOTAL (Line 1 + Line 2 + Line 3)									
			-	-	-					
	Summary by Account									
5	Account Total	182.3	-	-	-				410.1	
6	Account Total	254	-	-	-				411.1	
7			-	-	-					

Attachment 8g
(Excess)/Deficient ADIT Worksheet
GridLiance Heartland LLC
Costs in the Year Ending ____

		(L)		(M)		(N) = (L) + (M)		(O) – (I)* -1		(P) = (J)* -1		(Q) = (O) + (P)		(R) = (L) + (O)	
Line No.	Description	Unamortized (Excess)/Deficient ADIT (d)													
		Beginning of Year Balance			Current Year Amortization			End of Year Balance							
		Protected	Unprotected	Total	Protected	Unprotected	Total	Protected	Unprotected	Total					
	FERC Account 190														
1a		-	(h)	-	(h)	-	-	-	-	-	-	-	-	-	(k)
1[]			(h)		(h)										(k)
1		-		-		-	-	-	-	-	-	-	-	-	
	FERC Account 282														
2a		-	(i)	-	(i)	-	-	-	-	-	-	-	-	-	(l)
2[]			(i)		(i)										(l)
2	Total FERC Account 282	-		-		-	-	-	-	-	-	-	-	-	
3a		-	(j)	-	(j)	-	-	-	-	-	-	-	-	-	(m)
3[]			(j)		(j)										(m)
3	Total FERC Account 283	-		-		-	-	-	-	-	-	-	-	-	
4	TOTAL (Line 1 + Line 2 + Line 3	-		-		-	-	-	-	-	-	-	-	-	
	Summary by Account														
5	Account Total	-		-		-	-	-	-	-	-	-	-	-	
6	Account Total	-		-		-	-	-	-	-	-	-	-	-	
7		-		-		-	-	-	-	-	-	-	-	-	

Notes

- (a) Specifies ADIT accounts to which (excess) or deficient ADIT has been booked.
- (b) GridLiance Heartland LLC may add or modify notes to explain items without a FPA Section 205 filing.
- (c) Total equals the sum of sublines a through [], where [] is the last subline denoted by a letter. GridLiance Heartland LLC may add or remove sublines without affecting the total.
- (d) Enter credit balances as negatives.
- (e) (Excess)/deficient ADIT to be amortized to FERC Account 411.1 or 410.1, respectively.
- (f) Amortization of excess (or deficient) deferred income taxes subject to ARAM will not begin until reversal occurs (*i.e.*, when the trend of book depreciation reverses). Before reversal, values for such items will not be included in current year amortization.
- (g) In accordance with FERC guidance for ratemaking purposes, GridLiance Heartland LLC only grosses up the current year amortization value on Attachment 8g to reflect any values for accounting purposes.
- (h) FERC Form 1, page 234, column (b)
- (i) FERC Form 1, page 274, column (b)
- (j) FERC Form 1, page 276, column (b)
- (k) FERC Form 1, page 234, column (c)
- (l) FERC Form 1, page 275, column (k)
- (m) FERC Form 1, page 276, column (k)

Attachment 8h
ADIT Remeasurement
Balances as of December 31, ____

	(A)	(B)	(C)	(D) = (B) x (C)	(E) = (D) x Line 9	(F) = (D) x Line 9	(G)	(H)
					Tax Effected Balances	Tax Effected Balances	(Excess)/Deficient Deferred IT	(Excess)/Deficient Deferred IT
Line No.	Description	Pre-Tax Rate Change Balances	Allocation Note (a)	Tax Rate Change Balances	Pre-Tax Rate Change	Post-Tax Rate Change	Protected	Unprotected
	FERC Account 190							
1a		-	-	-	-	-	-	-
1[]					-	-		
1	Total FERC Account 190	-		-	-	-	-	-
	FERC Account 282							
2a		-	-	-	-	-	-	-
2[]					-	-		
2	Total FERC Account 282	-		-	-	-	-	-
	FERC Account 283							
3a		-	-	-	-	-	-	-
3[]					-	-		
3	Total FERC Account 283	-		-	-	-	-	-
4	Total ADIT (Line 1 + Line 2 + Line 3)	-		-	-	-	-	-

	<u>Tax Rates</u>	<u>Source</u>	<u>Pre Tax Rate</u>	<u>Post Tax Rate</u>
5	Federal		0.00%	0.00%
6	State		0.00%	0.00%
7	Combined Rate	$(1 - ((1 - \text{Line 6}) * (1 - \text{Line 5})) / (1 - \text{Line 6} * \text{Line 5} * \text{Line 13}))$	0.00%	0.00%
8	Federal (net of FBOS & SBOF)	(Line 7 - Line 6)	0.00%	0.00%
9	Effective Tax Rate (net of tax exempt adjustment)	$(\text{Line 7} / (1 - \text{Line 7})) * ((1 - \text{Line 10}) / (1 + (\text{Line 7} / (1 - \text{Line 7}))))$	0.00%	0.00%
10	Tax Exempt Ownership Percentage		0.00%	0.00%
11	Gross-Up Factor – net of TE [1/ (1-effective tax rate)]	$(1 / (1 - \text{Line 9}))$	0.00000	0.00000
12	Federal Benefit of State Rates (FBOS)	(Line 5 * Line 6)	0.00000%	0.00000%
13	State Benefit of Federal Rate (SBOF)		0.00000%	0.00000%

Notes

This sheet is replicable for each remeasurement of (excess)/deficient deferred income taxes without an FPA Section 205 filing. GridLiance Heartland LLC may add or modify notes to explain items without a FPA Section 205 filing.

(a) GridLiance Heartland LLC allocates total company ADIT between MISO Facilities and Non-MISO Facilities based on net plant ratios. The net plant ratio corresponding to the remeasurement is used for all items listed here. Refer to page 106 of the FERC Form No. 1 for additional references.

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