



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 GridLiance Heartland LLC (GridLiance Heartland) submits revisions to 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.²

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.³ 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.⁴ A pass-through entity is entitled to fully recover its income tax allowance if that entity 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.⁵

¹ 16 U.S.C. § 824d.

² GridLiance Heartland is making a concurrent formula rate filing for facilities under its Open Access Transmission Tariff.

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

⁴ *See, e.g., Inquiry Regarding Tax Allowances*, 111 FERC ¶ 61,139 (2005) (2005 Policy Statement).

⁵ *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).

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On January 29, 2019, in Docket No. ER18-2342, the Commission issued an order that approved GridLiance Heartland's formula rate template in the Midcontinent Independent System Operator, Inc., subject to compliance, and set GridLiance Heartland's income tax allowance for hearing and settlement proceedings.⁶ 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 (Docket No. ER19-2488) 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).⁷ 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, 2020.⁸ 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."⁹

On June 10, 2019, GridLiance Heartland submitted a proposed open access transmission tariff and formula rate template to govern the terms of transmission service over its facilities that are not under the functional control of MISO (Docket No. ER19-2092). On January 31, 2020, the Commission issued an order accepting the proposed tariff sheets, subject to conditions, refund and establishing hearing and settlement judge procedures.¹⁰ The loan item set for hearing was GridLiance Heartland's ROE. On May 28, 2020, GridLiance Heartland filed an Offer of Settlement with respect ROE, establishing GridLiance Heartland's ROE at 9.8%. On September 28, 2020, the Commission issued an order approving the settlement.¹¹ As required by the January 31 Order,¹² and the settlement in Docket No. ER19-2488, on

⁶ *GridLiance Heartland LLC, GridLiance High Plains LLC and GridLiance West LLC*, 166 FERC ¶ 61,067 (2019) (January 29 Order).

⁷ *GridLiance Heartland LLC et al.*, 169 FERC ¶ 61,206 (2019).

⁸ *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).

⁹ See Uncontested Settlement at § 2.3.

¹⁰ *GridLiance Heartland LLC*, 170 FERC ¶ 61,074 (2020) (January 31 Order).

¹¹ *GridLiance Heartland LLC*, 172 FERC ¶ 61,289 (2020).

¹² January 31 Order at P 53.

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February 19, 2020 and April 29, 2020, GridLiance Heartland submitted its compliance filings in Docket No. ER20-1039, which are pending with the Commission.

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.¹³ On March 26, 2021, the Commission accepted the associated compliance filing.¹⁴ NEET is a wholly owned, indirect subsidiary of NextEra Energy, Inc. (“NextEra”). NextEra is a C-Corp for federal taxation purposes. The transaction closed on March 31, 2021.¹⁵

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**); 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:

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¹³ *NextEra Energy Transmission, LLC*, Order Conditionally Authorizing Acquisition and Disposition of Jurisdictional Facilities, 174 FERC ¶ 61,215 (2021).

¹⁴ *NextEra Energy Transmission, LLC*, Order Accepting Compliance Filing, 174 FERC ¶ 62,183 (2021).

¹⁵ See Notice of Consummation of NextEra Energy Transmission, LLC, *et al.*, Docket No. EC21-10-000 (submitted April 1, 2021).

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IV. 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.¹⁶

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. ER19-2092. MISO has since filed numerous tariff revision filings on behalf of GridLiance Heartland.¹⁷ 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.

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

- Delete Attachment 10 – Income Tax Allowance and Attachment 10a – 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.

¹⁶ 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.

¹⁷ 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) an April 29, 2020 filing in Docket No. ER20-1039 to fix GridLiance Heartland’s income tax allowance at 52.39% effective July 1, 2020; and (3) a October 2, 2020 compliance filing in Docket No. ER20-3009 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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- 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 10 and 10a. 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 formulas to estimate the % ownership that had actual or potential income tax liability on page 4, lines 38 through 40 in Attachment O. These calculations are no longer necessary to determine the ITA and these rows have been replaced with the term: "Reserved."
- Remove the references to Attachment 10 from Footnote K of Attachment O and replace them with input cells.
- Change the description and the Income Tax formula on page 3 of 4, line 21, in Tab 9A Non-MISO ATRR, and revise the formula to remove the reference to the deleted Attachments 10 and 10a. 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 10 from Footnote K in Tab 9A Non-MISO ATRR and replace them with input cells.

V. 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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VI. 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

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Formula Rate - Non-Levelized

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/

Line 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 9A-GLH True-up Adjustment with Interest	Attachment 9C, Page 1, Line 3, Col. (G)	-	DA	1.00
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		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

Formula Rate - Non-Levelized

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/

Line No.	(1) RATE BASE: (Notes Y & BB)	(2) Source	(3) Company Total	(4) Allocator (Note JJ)	(5) Transmission (Col 3 times Col 4)
	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)	-	NA	-
	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)	-	NA	-
23b	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Notes X & FF)	-	NA	-
23c	Unfunded Reserves (enter negative)	Attachment 4, Line 31, Col. (h)	-	NA	-
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

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/

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)	-	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)	-	NA	-
7a	Account 566				
7b	Amortization of Regulatory Asset	(Note GG) Attachment 5, Line 13, Col. (i)	-	NA	-
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)	-	NA	-
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	$T = 1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\}$	(Note K)	-		
22	$CIT = (T/1-T) * (1 - (WCLTD/R)) = FIT, SIT \& p$	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 Deferred Income Taxes	(enter negative) Attachment 5, Line 26, Col. (j)	-		
24b	Tax Effect of Permanent Differences	Attachment 5, Line 26, Col. (k) (Note I)	-		
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 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]		-	NA	-
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]		-	NA	-
30b	PLUS Incentives on Attachment 9B for projects other than those included in Attachment MM-GLH and Attachment GG-GLH.	Attachment 9B, line 18	-		-
31	REV. REQUIREMENT TO BE COLLECTED UNDER THE OATT (Line 29 - Line 30 - Line 30a + Line 30b)		-		-

Formula Rate - Non-Levelized

Non-MISO 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 included in ISO rates	(Note L)			-
3	Less Transmission plant included in OATT Ancillary Services	(Note M)			-
4	Transmission plant not included in ISO rates	(Line 1 minus Lines 2 & Line 3)			-
5	Percentage of Transmission plant not 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]		-	-	- = GP
					(\$ / Allocation) = WS
	COMMON PLANT ALLOCATOR (CE) (Notes N and DD)				
			\$		% Electric
17	Electric	200.3.c	-		(Line 17 / Line 20) * W&S Allocator (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
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34	-	0.0%	0.00%
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	-	0.0%	0.00%
29	Common Stock	(Notes O, Y and EE)	-	0.0%	0.00%
30	Total	(Sum of Lines 27 through 29)	-		0.00% =R
	REVENUE CREDITS				
					\$
	ACCOUNT 447 (SALES FOR RESALE)				
31	a. Bundled Non-RQ Sales for Resale	310-311			-
32	b. Bundled Sales for Resale included in Divisor on Page 1	311.x.h			-
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 OTH 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

Non-MISO Rate Formula Template
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. Non-MISO assets are transmission assets not under MISO functional control. Only Non-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 Non-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 Non-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 Non-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 Non-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 $p = \frac{\text{the percentage of federal income tax deductible for state income taxes}}{\text{the percentage of federal income tax deductible for state income taxes}}$. 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 Deferred Income Taxes reduce income tax expense by the amount of the 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 Includes transmission plant under MISO functional control and included in Attachment O-GLH
- M Includes 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 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 and are included here.
- 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 include 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. These lines will include 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.
- 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 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 system control, dispatch and scheduling costs in FERC accounts 561.1 through 561.4 and which are recovered in Schedule 1. Also excludes Account 561.4 and Account 561.8. MISO-related amounts are excluded from this attachment.
- V Pursuant to Attachment GG of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment GG. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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 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 in this attachment means that the cost is directly assigned to Non-MISO 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 GLH 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 MISO 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 Non-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.

End

Attachment 9B (Note J)
 Non-MISO Project Revenue Requirement Worksheet
 GridLiance Heartland LLC

To be completed in conjunction with Attachment 9A-GLH.
 (inputs from Attachment 9A-GLH are rounded to whole dollars)

Line No.	(1)	(2) Source Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach 9A, p 2, line 2 col 5 (Note A)	-	
1a	Transmission Accumulated Depreciation	Attach 9A, p 2, line 8 col 5	-	
1b	CWIP, Regulatory Asset, Abandoned Plant	Attach 9A, 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 9A, p 3, line 8 col 5	-	
3a	Transmission O&M	Attach 9A, p 3, line 1 col 5	-	
	Less: Ancillary Service expenses included			
3b	in above	Attach 9A, p 3, line 1a col 5	-	
3c	Less: Account 565 included in above, if any	Attach 9A, p 3, line 2 col 5, if any	-	
3d	Less: Account 566 Amort of Reg Asset included in 3a, if any	Attach 9A, 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 9A, 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 9A, 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 9A, 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 9A, 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 9B (Note J)
 Non-MISO 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/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
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		-	-	-	-	-	-	-	-	-
15n		-	-	-	-	-	-	-	-	-
15o		-	-	-	-	-	-	-	-	-
16	Annual Totals	-	-	-	-	-	-	-	-	-

17 Rev. Req. Adj For Attachment 9A
 18 Incentives from Projects other than those in Attachment GG- GLH and Attachment MM_GLH. This includes only amounts related to Non-MISO assets

Note
 Letter

- A Gross Transmission Plant that is included on page 2 line 2 of Attachment 9A-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 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 9A-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). Does not 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 Non-MISO projects other than Attachment GG or MM, the Project True-up Adjustment is calculated on Attachment 9C. MISO-related amounts will be excluded from this attachment.
- 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 Any discounts related to Non-MISO specific project(s) will be included in this column. 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 9B is a reconciliation of the total calculated GridLiance Heartland Non-MISO ATRR and each of the related projects/assets.

Attachment 9C (Note 3)
Non-MISO 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 9A-GLH and Attachment 9B

2) The 'revenue received' is the total amount of revenue received by GLH in the True-Up Year from Attachment 9A, Line 36, page 4 of 5 of Attachment 9A-GLH. This includes only Non-MISO amounts.

3) The Attachment 9C-Non-MISO Project True-Up is the actual True-Up calculation for Non-MISO amounts.

For each Non-MISO project or Attachment 9A-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 9A-GLH and Attachment 9B will then be entered in Col. (C) above. Column (D) contains the actual revenues received associated with Attachment 9A-GLH not 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). This includes only Non-MISO amounts.

FERC Refund Interest Rate

	(a)	(b)	(c)	(d)
	Interest Rate:	Quarter	Year	Quarterly Interest Rate under Section 35.19(a)
4				
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	-	-

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Line 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 1.00	-
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		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

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/____

Line No.	(1)	(2)	(3)	(4)	(5)
		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)	-	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	1.00
	ADJUSTMENTS TO RATE BASE				
19	Reserved		-	NA	zero
20	Reserved		-	NA	zero
21	Reserved		-	NA	zero
22	ADIT		-	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	1.00
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)	-		-
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

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

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)	-	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	1.00
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	-
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	1.00
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	$T - \{(1 - \text{SIT}) * (1 - \text{FIT})\} / (1 - \text{SIT} * \text{FIT} * p)$	(Note K)	-		
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)	-		
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 Deferred Income Taxes	(enter negative) Attachment 5, Line 26, Col. (j)	-		
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 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	1.00
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	1.00
30b	PLUS Incentives on Attachment 1 for projects other than those included in Attachment MM-GLH and Attachment GG-GLH.	Attachment 1, line 18	-		-
31	REV. REQUIREMENT TO BE COLLECTED UNDER ATTACHMENT O (Line 29 - Line 30 - Line 30a + Line 30b)		-		-

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	-	-	-
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]		-	-	-
					GP
					(\$ / Allocation)
					= WS
	COMMON PLANT ALLOCATOR (CE) (Notes N and DD)				
			\$		% Electric
17	Electric	200.3.c	-	-	(Line 17 / Line 20)
18	Gas	200.3.d	-	-	
19	Water	200.3.e	-	-	
20	Total	(Sum of Lines 17 through 19)	-	-	
					W&S Allocator
					(Line 16)
					= CE
21 - 26	RETURN (R)				
			\$	%	Cost
					Weighted
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34	-	0%	0.00%
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	-	0%	0.00%
29	Common Stock	(Notes O, Y and EE) Attachment 5, Line 36	-	0%	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 OTHEI 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)				-
38	Reserved				
39	Reserved				
40	Reserved				

Formula Rate - Non-Levelized

Rate Formula Template
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.
- B Labeled LF, LU, IF, IU on Pages 310-311 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- C Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- D Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- E The FERC's annual charges for the year assessed the Transmission Owner for service under this formula rate.
- 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 Deferred Income Taxes reduce income tax expense by the amount of the 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 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 includes 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 midway. 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.
- 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.

End

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)

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	-	-
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 (Note J)
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/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
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		-	-	-	-	-	-	-	-	-
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									

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 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)).
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.
- J

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%		1.00%		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								
9	$T = SIT * (1 - FIT) + FIT - (p * FIT)$	Attachment O-GLH, Page 3, Line 21	-						
10	$CIT = (T / (1 - T)) * (1 - (WCLTD / R)) =$		-						
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

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).

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	-

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 (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	227.8.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	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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)
				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)
29	List of all reserves:								
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 1	Attachment O - GLH, Note 1		321.97.b	321.97.b	336.7.f	Attachment O - GLH, Note U
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Attachment O - GLH, Page 3, Line Number	10 (a)	11a (b)	13 (c)	14 (d)	16 (e)	17 (f)	18 (g)	19 (h)	24 (i)	24a (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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 negative)				-			
33		Common Stock		(sum lines 30 - 32)				-			

	\$	%	Cost Rates	Weighted
34 Long Term Debt	-	0.00%	0.00%	0.00% =WCLTD
35 Preferred Stock (112.3.c)	-	0.00%	0.00%	0.00%
36 Common Stock	-	0.00%	0.00%	0.00%
37 Total	-	-	-	0.00% =R

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

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			<u> </u>
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 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							
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) Proration 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											
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 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/ _____

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							
13							
14	NOL Carryforward	-	-	-	-	-	Amount subject to Proration
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
- 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/____

A	B	C	D	E	F	G
ADIT- 282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
19 Depreciation						Property basis difference resulting from accelerated tax depreciation.
20						
21						
22						
23						
24						
25						
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.

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 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:

- 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/____

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							
13							
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:

- 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/____

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	Plant Items	-	-			Amount subject to Proration
27	Subtotal - p275.k	-	-	-	-	
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.

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	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:

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

GridLiance Heartland LLC

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	(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/____

(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	Transmission (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	-	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 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.

Formula Rate - Non-Levelized

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/

Line 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 9A-GLH True-up Adjustment with Interest	Attachment 9C, Page 1, Line 3, Col. (G)	-	DA 1.00	-
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		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

Formula Rate - Non-Levelized

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/ _____

Line No.	(1) RATE BASE: (Notes Y & BB)	(2) Source	(3) Company Total	(4) Allocator (Note JJ)	(5) Transmission (Col 3 times Col 4)
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)	-	NA	-
ADJUSTMENTS TO RATE BASE					
19	Reserved		-	NA	zero
20	Reserved		-	NA	zero
21	Reserved		-	NA	zero
22	ADIT	Attachment 8a or 8c, 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)	-	NA	-
23b	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Notes X & FF)	-	NA	-
23c	Unfunded Reserves (enter negative)	Attachment 4, Line 31, Col. (h)	-	NA	-
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

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/_____

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)	-	TP	-
1a	Less Ancillary Service Expenses included in Transmission O&M	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)	-	NA	-
7a	Account 566		-		-
7b	Amortization of Regulatory Asset	(Note GG) Attachment 5, Line 13, Col. (i)	-	NA	-
7c	Miscellaneous Transmission Expense (less Amortization of Regula	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	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)	-	NA	-
12	TOTAL DEPRECIATION	(Sum of Lines 9 through 11 a)	-		-
	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	$T = 1 - ((1 - SIT) * (1 - FIT)) + ((1 - SIT) * FIT - ((p * FIT) / R))$	(Note K) - (Attachment 10, Col. 12, Line 12)	-		
22	$CIT = (T / (1 - T)) * (1 - (WCLTD / R)) =$ 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 Deferred Income Taxes	(enter negative) Attachment 5, Line 26, Col. (j)	-		
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 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]		-	NA	-
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]		-	NA	-
30b	PLUS Incentives on Attachment 9B for projects other than those inclu Attachment 9B, line 18 Attachment MM-GLH and Attachment GG-GLH.		-		-
31	REV. REQUIREMENT TO BE COLLECTED UNDER THE OATT (Line 29 - Line 30 - Line 30a + Line 30b)		-		-

Formula Rate - Non-Levelized

Non-MISO 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 included in ISO rates	(Note L)			-
3	Less Transmission plant included in OATT Ancillary Services	(Note M)			-
4	Transmission plant not included in ISO rates	(Line 1 minus Lines 2 & Line 3)			-
5	Percentage of Transmission plant not 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	-	-	GP
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]		-	-	(\$ / Allocation)

= WS

COMMON PLANT ALLOCATOR (CE) (Notes N and DD)

		\$	% Electric (Line 17 / Line 20)	W&S Allocator (Line 16)	CE
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	Weighted	=WCLTD
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34	-	0.00%	0.00%	
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	-	0.00%	0.00%	
29	Common Stock	(Notes O, Y and EE)	-	0.00%	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 ELE 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 C (Note W)		-
36b	d. Transmission charges from Schedules associated with Attachment I (Note AA)		-
37	Total of (a)-(b)-(c)-(d)		-

Formula Rate - Non-Levelized

Non-MISO 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. Non-MISO assets are transmission assets not under MISO functional control. Only Non-MISO related it
- 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 Non-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 Non-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 Non-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 Non-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 Deferred Income Taxes reduce income tax expense by the amount of the expense multiplied by (T/(1-T))(page 3, line 26a).
 Inputs Required: FIT = Attachment 10 (Federal Income Tax Rate)
 SIT = Attachment 10 (State Income Tax Rate or Composite SIT)
 p = See Attachment 10 (percent of federal income tax deductible for state purposes)
- L Includes transmission plant under MISO functional control and included in Attachment O-GLH
- M Includes 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
- 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 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
- 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 include 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. These lines will include 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.
- 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 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
- U Includes system control, dispatch and scheduling costs in FERC accounts 561.1 through 561.4 and which are recovered in Schedule 1. Also excludes Account 561.4 and Account 561.8. MISO-related amounts are excluded from this att
- V Pursuant to Attachment GG of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment GG. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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 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 midway. 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
- 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
- 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
- JJ DA in the allocator Column in this attachment means that the cost is directly assigned to Non-MISO 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 GLH 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
- NN Includes revenue from electric operations properly credited to Non-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.

End

Attachment 9B (Note J)
 Non-MISO Project Revenue Requirement Worksheet
 GridLiance Heartland LLC

To be completed in conjunction with Attachment 9A-GLH.
 (inputs from Attachment 9A-GLH are rounded to whole dollars)

Line No.	(1)	(2) Source Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach 9A, p 2, line 2 col 5 (Note A)	-	
1a	Transmission Accumulated Depreciation	Attach 9A, p 2, line 8 col 5	-	
1b	CWIP, Regulatory Asset, Abandoned Plant	Attach 9A, 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 9A, p 3, line 8 col 5	-	
3a	Transmission O&M	Attach 9A, p 3, line 1 col 5	-	
	Less: Ancillary Service expenses included			
3b	in above	Attach 9A, p 3, line 1a col 5	-	
3c	Less: Account 565 included in above, if any	Attach 9A, p 3, line 2 col 5, if any	-	
3d	Less: Account 566 Amort of Reg Asset included in 3a, if any	Attach 9A, 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 9A, 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 9A, 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 9A, 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 9A, 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 9B (Note J)
 Non-MISO 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/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
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		-	-	-	-	-	-	-	-	-
15n		-	-	-	-	-	-	-	-	-
15o		-	-	-	-	-	-	-	-	-
16	Annual Totals	-	-	-	-	-	-	-	-	-

17 Rev. Req. Adj For Attachment 9A
 18 Incentives from Projects other than those in Attachment GG- GLH and Attachment MM_GLH. This includes only amounts related to Non-MISO assets

Note
 Letter

- A Gross Transmission Plant that is included on page 2 line 2 of Attachment 9A-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 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 9A-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). Does not include 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 Non-MISO projects other than Attachment GG or MM, the Project True-up Adjustment is calculated on Attachment 9C. MISO-related amounts will be excluded from this attachment.
- 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 Any discounts related to Non-MISO specific project(s) will be included in this column. 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 9B is a reconciliation of the total calculated GridLiance Heartland Non-MISO ATRR and each of the related projects/assets.

Attachment 9C (Note 3)
Non-MISO 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 9A-GLH and Attachment 9B

2) The 'revenue received' is the total amount of revenue received by GLH in the True-Up Year from Attachment 9A, Line 36, page 4 of 5 of Attachment 9A-GLH. This includes only Non-MISO amounts.

3) The Attachment 9C-Non-MISO Project True-Up is the actual True-Up calculation for Non-MISO amounts.

For each Non-MISO project or Attachment 9A-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 9A-GLH and Attachment 9B will then be entered in Col. (C) above. Column (D) contains the actual revenues received associated with Attachment 9A-GLH not 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). This includes only Non-MISO amounts.

FERC Refund Interest Rate

	(a)	(b)	(c)	(d)
	Interest Rate:	Quarter	Year	Quarterly Interest Rate under Section 35.19(a)
4				
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	-	-

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/

Line 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 1.00	-
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		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

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/ ____

Line No.	(1)	(2)	(3)	(4)	(5)
		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)	-	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	1.00
ADJUSTMENTS TO RATE BASE					
19	Reserved		-	NA	zero
20	Reserved		-	NA	zero
21	Reserved		-	NA	zero
22	ADIT	Attachment 8a or 8c, 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	1.00
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)	-		-
25	LAND HELD FOR FUTURE USE	Attachment 4, Line 14, Col. (h) (Note G)	-	TP	-
WORKING CAPITAL					
26	CWC	(Note H)	-		-
27	Materials & Supplies	1/8*(Page 3, Line 8 minus Page 3, Line 7b)	-		-
28	Prepayments (Account 165)	Attachment 4, Line 14, Col. (i) (Note G)	-	TP	-
29	TOTAL WORKING CAPITAL	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

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/_____

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)	-	TP	-
	Less Ancillary Service Expenses included in Transmission O&M				
1a	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	1.00
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 A	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	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	1.00
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	$T = \frac{1 - ((1 - SIT) * (1 - FIT)) + ((1 - SIT) * FIT - (p * FIT))}{WCLTD}$	(Note K) (Attachment 10, Col. 12, Line 12)	-		-
22	$CIT = (T/1 - T) * (1 - (WCLTD/R)) = FIT, SIT \& p$	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 Deferred Income Taxes	(enter negative) Attachment 5, Line 26, Col. (j)	-		-
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 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	1.00
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	1.00
30b	PLUS Incentives on Attachment 1 for projects other than those included in Attachment 1, line 18 Attachment MM-GLH and Attachment GG-GLH.		-		-
31	REV. REQUIREMENT TO BE COLLECTED UNDER ATTACHMENT O (Line 29 - Line 30 - Line 30a + Line 30b)		-		-

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/

	(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)			0
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]		-	-	- = WS
	COMMON PLANT ALLOCATOR (CE) (Notes N and DD)				
			\$		% Electric
17	Electric	200.3.c	-		(Line 17 / Line 20)
18	Gas	200.3.d	-		*
19	Water	200.3.e	-		
20	Total	(Sum of Lines 17 through 19)	30,658,757		W&S Allocator (Line 16) = CE
21 - 26	RETURN (R)				
			\$	%	Cost
					Weighted
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34	-	0%	0.00% =WCLTD
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	-	0%	0.00%
29	Common Stock	(Notes O, Y and EE) Attachment 5, Line 36	-	0%	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 ELECTRIC 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)				-
	(a)	(b)	(c)	(d)	(e)
	Income Taxes	% Ownership that has Actual or Potential Income Tax		Total Income Taxes	Total Income Taxes Allocated
38	Ownership (input in Col. (b) the % ownership with Income Tax Liability) Reserve		0.00%		
39	$39(b) = \text{return from Page 3, Line 28, Col 3 times \% in Line 38, Col b 39(e)} = \text{re}$				
40	$\text{Income Tax Page 3, line 22 } (CI - (T / T) * (1 - (WCLTD / R))) * \text{Line 39 Reserve}$				

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 formula 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.
- B Labeled LF, LU, IF, IU on Pages 310-311 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- C Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- D Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- E The FERC's annual charges for the year assessed the Transmission Owner for service under this formula rate.
- 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 Deferred Income Taxes reduce income tax expense by the amount of the expense multiplied by (T/1-T)(page 3, line 26a).
 Inputs Required: FIT = [Attachment 10](#) (Federal Income Tax Rate)
 SIT = [Attachment 10](#) (State Income Tax Rate or Composite SIT)
 p = [Attachment 10](#) (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 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.
- 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
- 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 provided 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 8c 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
- 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
- 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
- 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,
- 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.

End

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)

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	-	-
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 (Note J)
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/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
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		-	-	-	-	-	-	-	-	-
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									

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 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)).
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.
- J

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%		1.00%		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								
9	$T = SIT * (1 - FIT) + FIT - (p * FIT)$	Attachment O-GLH, Page 3, Line 21	-						
10	$CIT = (T / (1 - T)) * (1 - (WCLTD / R)) =$		-						
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

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).

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	-

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 (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	227.8.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	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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)
				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)
29	List of all reserves:								
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 1	Attachment O - GLH, Note 1		321.97.b	321.97.b	336.7.f	Attachment O - GLH, Note U
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Attachment O - GLH, Page 3, Line Number	10 (a)	11a (b)	13 (c)	14 (d)	16 (e)	17 (f)	18 (g)	19 (h)	24 (i)	24a (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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 negative)				-			
33		Common Stock		(sum lines 30 - 32)				-			

	\$	%	Cost Rates	Weighted
34 Long Term Debt	-	0.00%	0.00%	0.00% =WCLTD
35 Preferred Stock (112.3.c)	-	0.00%	0.00%	0.00%
36 Common Stock	-	0.00%	0.00%	0.00%
37 Total	-	-	-	0.00% =R

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

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			<hr/>
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 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							
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) Proration 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											
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 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/ _____

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							
13							
14	NOL Carryforward	-	-	-	-	-	Amount subject to Proration
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
- 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/____

A	B	C	D	E	F	G
ADIT- 282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
19 Depreciation						Property basis difference resulting from accelerated tax depreciation.
20						
21						
22						
23						
24						
25						
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.

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 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:

- 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/____

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							
13							
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:

- 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/____

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	Plant Items	-	-			Amount subject to Proration
27	Subtotal - p275.k	-	-	-	-	
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.

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	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:

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

GridLiance Heartland LLC

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	(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/____

(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	Transmission (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	-	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 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 10
Income Tax Allowance
GridLiance Heartland LLC
Calculation of Effective Tax Rate

Line No.	Description	Note	Source	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
								Corporations - Including C-Corps	S-Corps, PTEs	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)
1	FIT - Weighted Marginal Federal Income Tax Rate	Note A						21.00%	21.00%	29.60%	15.00%	21.00%	21.00%	0.00%		
2	Partners with Actual or Potential Income Tax Liability	Note C	<Col. 13, Lines 25-31)					47.16%	0.00%	0.00%	0.00%	0.00%	6.10%	46.74%		
3	Weighted Average Federal Income Tax Rate		(Line 1 * Line 2)					9.90%	0.00%	0.00%	0.00%	0.00%	1.28%	0.00%	11.18%	
4	SIT - Weighted Marginal State Income Tax Rate	Note A	(Page 2, Col. (5), Line 6)					8.81%	8.81%	8.81%	8.81%	8.81%	8.81%	0.00%		
5	Partners with Actual or Potential Income Tax Liability	Note C	<Col. 13, Lines 25-31)					47.16%	0.00%	0.00%	0.00%	0.00%	6.10%	46.74%		
6	Weighted Average State Income Tax Rate		(Line 4 * Line 5)					4.16%	0.00%	0.00%	0.00%	0.00%	0.54%	0.00%	4.69%	
7	p - Weighted Average State Income Tax Rate Value of Federal Tax Deductible	Note B	(Page 2, Col. 56, Line 6)					0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
8	Partners with Actual or Potential Income Tax Liability	Note C	<Col. 13, Lines 25-31)					47.16%	0.00%	0.00%	0.00%	0.00%	6.10%	46.74%		
9	Weighted Average X		(Line 7 * Line 8)					0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
10	Projected Distributive Share of Income from Transmission Investment	Note C	<Col. 10, Lines 37-42)					47.12%	0.00%	0.07%	0.00%	0.00%	6.10%	46.71%		100.00%
11	Income Tax Allowance (ITA)	Note D	Line 10, Col. (13) - Col. (11)													53.29%
12	Composite Income Tax Rate [(SIT * (1-FIT) + FIT - (p * FIT))]		@ ITA = 53.29%					13.65%	0.00%	0.00%	0.00%	0.00%	1.81%	0.00%	15.46%	
13	Private Equity (PE) Investment Ownership of GridLiance Heartland LLC (G Ownership of Funds by FERC Categories of Investors)	Note F						49.60%	46.20%	0.40%	1.90%	1.90%				100.00%
14	Corporations - Including C-Corps	Note F						BCPV1	BEP-HH1F	BCPV1-SBS	BEP-H-SBS	BTAS				19.60%
15	S-Corps, PTEs	Note F						49.15%	49.30%	0.00%	0.00%	0.00%				0.00%
16	Individuals (including foreign), estates & trusts	Note F						0.00%	0.00%	0.00%	0.00%	0.00%				0.00%
17	Mutual funds	Note F						0.00%	0.00%	0.00%	0.00%	0.00%				0.00%
18	Trusts	Note F						0.00%	0.00%	0.00%	0.00%	0.00%				0.00%
19	UBTI entities - pension funds, IRA, Keogh Plans	Note F						6.44%	6.29%	0.00%	0.00%	0.00%				2.55%
20	Tax Exempt Entities	Note F						44.41%	44.41%	100.00%	100.00%	100.00%				27.76%
21								100.00%	100.00%	100.00%	100.00%	100.00%				100.00%
22																
23																
24	Weighted Average PE Ownership of GLH by FERC Categories of Investors															
25	Corporations - Including C-Corps		(Line 13 * Line 14)					BCPV1	BEP-HH1F	BCPV1-SBS	BEP-H-SBS	BTAS				47.16%
26	S-Corps, PTEs		(Line 13 * Line 15)					24.38%	22.78%	0.00%	0.00%	0.00%				0.00%
27	Individuals (including foreign), estates & trusts		(Line 13 * Line 16)					0.00%	0.00%	0.00%	0.00%	0.00%				0.00%
28	Mutual funds		(Line 13 * Line 17)					0.00%	0.00%	0.00%	0.00%	0.00%				0.00%
29	Trusts		(Line 13 * Line 18)					0.00%	0.00%	0.00%	0.00%	0.00%				0.00%
30	UBTI entities - pension funds, IRA, Keogh Plans		(Line 13 * Line 19)					2.19%	2.91%	0.00%	0.00%	0.00%				6.10%
31	Tax Exempt Entities		(Line 13 * Line 20)					22.03%	20.52%	0.40%	1.90%	1.90%				46.74%
32								49.60%	46.20%	0.40%	1.90%	1.90%				100.00%
33																
34																
35																
36																
37																
38																
39																
40																
41																
42																
43																
44																
45																
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.

Attachment 10
Income Tax Allowance
GridLiance Heartland LLC

	(+)	(-)	(-)	(+)	(-)	(+)
Line No.	State	Apportionment based on situs gross plant	State Income Tax Rate	Percent Federal Taxes Deductible	Weighted Rate (Col. 2 ÷ Col. 3)	Rate for Impact of Federal Tax Deductibility (Col. 2 ÷ Col. 4)
1	Illinois	72.47%	9.50%	0.00%	6.88%	0.00%
2	Kentucky	27.53%	7.00%	0.00%	1.93%	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				8.81%	0.00%

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Attachment 10a Actual ownership GridLiance Heartland LLC For Informational Purposes Only													
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Line No.	Description	Note	Source	Corporations - Including C-Corps	S-Corps, PTEs	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)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
1	FIT - Weighted Marginal Federal Income Tax Rate	Note A		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2	Partners with Actual or Potential Income Tax Liability	Note C	(Col. 13, Lines 25-31)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
3	Weighted Average Federal Income Tax Rate		(Line 1 * Line 2)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
4	SIT - Weighted Marginal State Income Tax Rate	Note A	(Page 2, Col. (5), Line 6)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
5	Partners with Actual or Potential Income Tax Liability	Note C	(Col. 13, Lines 25-31)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
6	Weighted Average State Income Tax Rate		(Line 4 * Line 5)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
7	p - Weighted Average State Income Tax Rate Value of Federal Tax Deductible	Note B	(Page 2, Col. 56, Line 6)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
8	Partners with Actual or Potential Income Tax Liability	Note C	(Col. 13, Lines 25-31)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
9	Weighted Average X		(Line 7 * Line 8)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
10	Projected Distributive Share of Income from Transmission Investment	Note C	(Col. 10, Lines 37-42)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
11	Income Tax Allowance (ITA)	Note D	Line 10, Col. (13) - Col. (11)									0.00%	
12	Composite Income Tax Rate [(SIT * (1-FIT) + FIT - (p * FIT)) @ ITA = 0%		@ ITA = 0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
13	Private Equity (PE) Investment Ownership of GridLiance Heartland LLC (G Ownership of Funds by FERC Categories of Investors)	Note F		0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
14	Corporations - Including C-Corps	Note F		BCPYI	BEP-HLLF	BCPYI-SBS	BEP-H-SBS	BTAS				0.00%	
15	S-Corps, PTEs	Note F		0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
16	Individuals (including foreign), estates & trusts	Note F		0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
17	Mutual funds	Note F		0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
18	Trusts	Note F		0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
19	UBTI entities - pension funds, IRA, Keogh Plans	Note F		0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
20	Tax-Exempt Entities	Note F		0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
21				0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
22													
23													
24	Weighted Average PE Ownership of GLH by FERC Categories of Investors			Weighted									
25	Corporations - Including C-Corps		(Line 13 * Line 14)	BCPYI	BEP-HLLF	BCPYI-SBS	BEP-H-SBS	BTAS				0.00%	
26	S-Corps, PTEs		(Line 13 * Line 15)	0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
27	Individuals (including foreign), estates & trusts		(Line 13 * Line 16)	0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
28	Mutual funds		(Line 13 * Line 17)	0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
29	Trusts		(Line 13 * Line 18)	0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
30	UBTI entities - pension funds, IRA, Keogh Plans		(Line 13 * Line 19)	0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
31	Tax-Exempt Entities		(Line 13 * Line 20)	0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
32				0.00%	0.00%	0.00%	0.00%	0.00%				0.00%	
33													
34													
35					Average Private Equity Ownership			Total Ownership		Total Ownership-Adjusted			
36													
37				Corporations - Including C-Corps	0.00%	Corporations (feeder LP)	0.00%	0.00%		0.00%			
38				S-Corps, PTEs	0.00%	S-Corps, PTEs	0.00%	0.00%		0.00%			
39				Individuals (including foreign), estates & trusts	0.00%	Individuals	0.00%	0.00%		0.00%			
40				Mutual funds	0.00%	Mutual funds	0.00%	0.00%		0.00%			
41				Trusts	0.00%	Trusts	0.00%	0.00%		0.00%			
42				UBTI entities - pension funds, IRA, Keogh Plans	0.00%	UBTI Entities	0.00%	0.00%		0.00%			
43				Tax-Exempt Entities	0.00%	Non-Taxpaying Entities	0.00%	0.00%		0.00%			
44					0.00%	Private Equity Ownership (Note E)	0.00%	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.

Attachment 10a
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)	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

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/

Line No.	(1)	(2) Source	(3)	(4)	(5) 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 9A-GLH True-up Adjustment with Interest	Attachment 9C, Page 1, Line 3, Col. (G)	-	DA 1.00	-
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	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

Formula Rate - Non-Levelized		Non-MISO Rate Formula Template Utilizing FERC Form 1 Data GridLiance Heartland LLC		For the 12 months ended 12/31/____	
Line No.	(1) RATE BASE: (Notes Y & BB)	(2) Source	(3) Company Total	(4) Allocator (Note JJ)	(5) Transmission (Col 3 times Col 4)
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)	-	NA	-
ADJUSTMENTS TO RATE BASE					
19	Reserved		-	NA	zero
20	Reserved		-	NA	zero
21	Reserved		-	NA	zero
22	ADIT		-	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)	-	NA	-
23b	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Notes X & FF)	-	NA	-
23c	Unfunded Reserves (enter negative)	Attachment 4, Line 31, Col. (h)	-	NA	-
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)	-	-	-
27	Materials & Supplies	1/8*(Page 3, Line 8 minus Page 3, Line 7b)	-	TP	-
28	Prepayments (Account 165)	Attachment 4, Line 14, Col. (i) (Note G)	-	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		Non-MISO Rate Formula Template Utilizing FERC Form 1 Data GridLiance Heartland LLC		For the 12 months ended 12/31/____	
Line No.	(1)	(2)	(3)	(4)	(5)
	O&M	Source	Company Total	Allocator (Note JJ)	Transmission (Col 3 times Col 4)
1	Transmission	(Note CC) 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)	-	NA	-
7a	Account 566		-		-
7b	Amortization of Regulatory Asset	(Note GG) Attachment 5, Line 13, Col. (i)	-	NA	-
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 321.97b	-		-
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)	-	NA	-
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	$T = 1 - \{(1 - SIT) * (1 - FIT)\} / (1 - SIT * FIT * p)$	(Note K)	-		
22	$CIT = (T/1-T) * (1-(WCLTD/R)) = FIT, SIT \& p$	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 Deferred Income Taxes	(enter negative) Attachment 5, Line 26, Col. (j)	-		
24b	Tax Effect of Permanent Differences	Attachment 5, Line 26, Col. (k) (Note I)	-		
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 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]		-	NA	-
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]		-	NA	-
30b	PLUS Incentives on Attachment 9B for projects other than those included in Attachment MM-GLH and Attachment GG-GLH.	Attachment 9B, line 18	-		-
31	REV. REQUIREMENT TO BE COLLECTED UNDER THE OATT (Line 29 - Line 30 - Line 30a + Line 30b)		-		-

Formula Rate - Non-Levelized		Non-MISO Rate Formula Template Utilizing FERC Form 1 Data GridLiance Heartland LLC		Attachment 9A-GLH Page 4 of 5 For the 12 months ended 12/31/____	
	(1)	(2)	(3)	(4)	(5)
SUPPORTING CALCULATIONS AND NOTES					
Line No.					
1	TRANSMISSION PLANT INCLUDED IN ISO RATES				
1	Total Transmission plant	(Page 2, Line 2, Column 3)			-
2	Less Transmission plant included in ISO rates	(Note L)			-
3	Less Transmission plant included in OATT Ancillary Services	(Note M)			-
4	Transmission plant not included in ISO rates	(Line 1 minus Lines 2 & Line 3)			-
5	Percentage of Transmission plant not 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]		-	-	- = WS
	COMMON PLANT ALLOCATOR (CE) (Notes N and DD)		\$		% Electric (Line 17 / Line 20)
17	Electric	200.3.c	-		W&S Allocator (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
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34	-	0.00%	0.00%
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	-	0.00%	0.00%
29	Common Stock	(Notes O, Y and EE)	-	0.00%	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 OTH 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

Non-MISO 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. Non-MISO assets are transmission assets not under MISO functional control. Only Non-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 Non-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 Non-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 Non-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 Non-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 Deferred Income Taxes reduce income tax expense by the amount of the 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 Includes transmission plant under MISO functional control and included in Attachment O-GLH
- M Includes 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 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 and are included here.
- 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 include 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. These lines will include 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.
- 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 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 system control, dispatch and scheduling costs in FERC accounts 561.1 through 561.4 and which are recovered in Schedule 1. Also excludes Account 561.4 and Account 561.8. MISO-related amounts are excluded from this attachment.
- V Pursuant to Attachment GG of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment GG. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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 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 in this attachment means that the cost is directly assigned to Non-MISO 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 GLH 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 Non-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.

End

Attachment 9B (Note J)
 Non-MISO Project Revenue Requirement Worksheet
 GridLiance Heartland LLC

To be completed in conjunction with Attachment 9A-GLH.
 (inputs from Attachment 9A-GLH are rounded to whole dollars)

Line No.	(1)	(2) Source Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach 9A, p 2, line 2 col 5 (Note A)	-	
1a	Transmission Accumulated Depreciation	Attach 9A, p 2, line 8 col 5	-	
1b	CWIP, Regulatory Asset, Abandoned Plant	Attach 9A, 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 9A, p 3, line 8 col 5	-	
3a	Transmission O&M	Attach 9A, p 3, line 1 col 5	-	
	Less: Ancillary Service expenses included in above	Attach 9A, p 3, line 1a col 5	-	
3c	Less: Account 565 included in above, if any	Attach 9A, p 3, line 2 col 5, if any	-	
3d	Less: Account 566 Amort of Reg Asset included in 3a, if any	Attach 9A, 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 9A, 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 9A, 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 9A, 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 9A, 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 9B (Note J)
 Non-MISO 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/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
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		-	-	-	-	-	-	-	-	-
15n		-	-	-	-	-	-	-	-	-
15o		-	-	-	-	-	-	-	-	-
16	Annual Totals									
17	Rev. Req. Adj For Attachment 9A									
18	Incentives from Projects other than those in Attachment GG- GLH and Attachment MM_GLH. This includes only amounts related to Non-MISO assets									

Note Letter

- A Gross Transmission Plant that is included on page 2 line 2 of Attachment 9A-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 9A-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). Does not 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 Non-MISO projects other than Attachment GG or MM, the Project True-up Adjustment is calculated on Attachment 9C. MISO-related amounts will be excluded from this attachment.
- 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 Any discounts related to Non-MISO specific project(s) will be included in this column. 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 9B is a reconciliation of the total calculated GridLiance Heartland Non-MISO ATRR and each of the related projects/assets.

Attachment 9C (Note 3)
 Non-MISO Project True-Up
 GridLiance Heartland LLC

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 9A-GLH and Attachment 9B

2) The 'revenue received' is the total amount of revenue received by GLH in the True-Up Year from Attachment 9A, Line 36, page 4 of 5 of Attachment 9A-GLH. This includes only Non-MISO amounts.

3) The Attachment 9C-Non-MISO Project True-Up is the actual True-Up calculation for Non-MISO amounts.

For each Non-MISO project or Attachment 9A-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 9A-GLH and Attachment 9B will then be entered in Col. (C) above. Column (D) contains the actual revenues received associated with Attachment 9A-GLH not 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). This includes only Non-MISO amounts.

FERC Refund Interest Rate

(a)	(b)	(c)	(d)
Interest Rate:	Quarter	Year	Quarterly Interest Rate under Section 35.19(a)
4			
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	-

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/

Line 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	1.00
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		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	-

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/____

Line No.	(1) RATE BASE: (Notes Y & BB)	(2) Source	(3) Company Total	(4) Allocator (Note JJ)	(5) Transmission (Col 3 times Col 4)
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	1.00
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)	-	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	1.00
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)	-		-
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

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

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)	-	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	1.00
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	-
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	1.00
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	$T = 1 - \{(1 - \text{FIT}) * (1 - \text{FIT}) / (1 - \text{FIT} * \text{FIT} * p)\}$	(Note K)	-		
22	$\text{CIT} = (T/1-T) * (1 - (\text{WCLTD}/R)) = \text{FIT}, \text{SIT} \& p$	(Note K)	-		
		WCLTD = Page 4, Line 27, R = Page 4, Line 30			
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 Deferred Income Taxes	(enter negative) Attachment 5, Line 26, Col. (j)	-		
24b	Tax Effect of Permanent Differences	Attachment 5, Line 26, Col. (k) (Note I)	-		
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 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	1.00
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	1.00
30b	PLUS Incentives on Attachment 1 for projects other than those included in Attachment MM-GLH and Attachment GG-GLH.	Attachment 1, line 18	-		-
31	REV. REQUIREMENT TO BE COLLECTED UNDER ATTACHMENT O (Line 29 - Line 30 - Line 30a + Line 30b)		-	-	-

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	-	-	-
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
			\$		% Electric (Line 17 / Line 20)
17	Electric	200.3.c	-	-	W&S Allocator (Line 16)
18	Gas	200.3.d	-	-	CE
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	-	0%	0.00%
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	-	0%	0.00%
29	Common Stock	(Notes O, Y and EE) Attachment 5, Line 36	-	0%	0.00%
30	Total	(Sum of Lines 27 through 29)	-	-	0.00% =R
					Weighted
					\$
					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 OTHE.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)				-
38	Reserved				
39	Reserved				
40	Reserved				

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 formula 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.
- B Labeled LF, LU, IF, IU on Pages 310-311 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- C Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- D Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- E The FERC's annual charges for the year assessed the Transmission Owner for service under this formula rate.
- 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 Deferred Income Taxes reduce income tax expense by the amount of the 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 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.
- NN Includes revenue from electric operations properly credited to MISO customers and not includable 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.

End

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)

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	-	-
	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 (Note J)
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/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
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		-	-	-	-	-	-	-	-	-
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									

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 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)).
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.
- J

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%		1.00%		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								
9	$T = \text{SIT} * (1 - \text{FIT}) + \text{FIT} - (p * \text{FIT})$	Attachment O-GLH, Page 3, Line 21	-						
10	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / \text{R})) =$		-						
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

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).

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	-

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 (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	227.8.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	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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)
			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)	
29	List of all reserves:								
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 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, ____
			<hr/>
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 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							
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) Proration 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										
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 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/____

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							
13							
14	NOL Carryforward	-	-	-	-	-	Amount subject to Proration
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
- 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/____

A	B	C	D	E	F	G
ADIT- 282	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
19 Depreciation						Property basis difference resulting from accelerated tax depreciation.
20						
21						
22						
23						
24						
25						
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.

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 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:

- 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.

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							
13							
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:

- 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/____

A	B	C	D	E	F	G
	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
ADIT-282						
19						
20						
21						
22						
23						
24						
25						
26	Plant Items	-	-			Amount subject to Proration
27	Subtotal - p275.k	-	-	-	-	
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.

A	B	C	D	E	F	G
	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
ADIT-283						
31						
32						
33						
34						
35						
36						
37						
38						
39						
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:

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

GridLiance Heartland LLC

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	(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/____

(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	Transmission (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	-	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 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.

Formula Rate - Non-Levelized

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Line No.	(1)	(2) Source	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT	(Page 3, Line 31)			\$ 2,148,146
	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)			\$ 2,148,146
6c	Attachment 9A-GLH True-up Adjustment with Interest	Attachment 9C, Page 1, Line 3, Col. (G)	-	DA 1.00	-
7	NET REVENUE REQUIREMENT	(Line 6b plus Line 6c)			\$ 2,148,146
	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 Term
22			-	Long Term	- Long Term

Formula Rate - Non-Levelized

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/2021

Line No.	(1) RATE BASE: (Notes Y & BB)	(2) Source	(3) Company Total	(4) Allocator (Note JJ)	(5) Transmission (Col 3 times Col 4)
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	6,588,908
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)	<u>28,075,665</u>	GP=	<u>6,588,908</u>
ACCUMULATED DEPRECIATION					
7	Production	Attachment 4, Line 14, Col. (k)	-	NA	-
8	Transmission	Attachment 4, Line 14, Col. (l)	13,207,324	TP	3,099,547
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)	<u>13,207,324</u>		<u>3,099,547</u>
NET PLANT IN SERVICE					
13	Production	(Line 1 - Line 7)	-		-
14	Transmission	(Line 2 - Line 8)	14,868,341		3,489,361
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)	<u>14,868,341</u>	NP=	<u>3,489,361</u>
18a	CWIP Approved by FERC Order	Attachment 4, Line 14, Col. (g) (Note LL)	-	NA	-
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)
23	Account No. 255 (enter negative)	Attachment 4, Line 28, Col. (h) (Note F)	-	NP	0.23
23a	Unamortized Regulatory Asset	Attachment 4, Line 28, Col. (b) (Note GG)	-	NA	-
23b	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Notes X & FF)	-	NA	-
23c	Unfunded Reserves (enter negative)	Attachment 4, Line 31, Col. (h)	-	NA	-
24	TOTAL ADJUSTMENTS	(Sum of Lines 19 through 23c)	<u>(0)</u>		<u>(0)</u>
25	LAND HELD FOR FUTURE USE	Attachment 4, Line 14, Col. (h) (Note G)	-	TP	0.23
WORKING CAPITAL					
26	CWC	1/8*(Page 3, Line 8 minus Page 3, Line 7b)	861,822		202,256
27	Materials & Supplies	Attachment 4, Line 14, Col. (i) (Note G)	328,467	TP	77,086
28	Prepayments (Account 165)	Attachment 4, Line 14, Col. (j)	607,450	GP	142,559
29	TOTAL WORKING CAPITAL	(Sum of Lines 26 through 28)	<u>1,797,740</u>		<u>421,901</u>
30	RATE BASE	(Sum of Lines 18, 18a, 24, 25 & 29)	<u>16,666,081</u>		<u>3,911,262</u>

Formula Rate - Non-Levelized		Non-MISO Rate Formula Template Utilizing FERC Form 1 Data GridLiance Heartland LLC		Attachment 9A-GLH Page 3 of 5 For the 12 months ended 12/31/2021	
Line No.	(1)	(2)	(3)	(4)	(5)
	O&M	Source	Company Total	Allocator (Note JJ)	Transmission (Col 3 times Col 4)
1	Transmission	(Note CC) Attachment 5, Line 13, Col. (a)	4,538,738	TP 0.23	1,065,169
1a	Less Ancillary Service Expenses included in Transmission O&M Accounts (Note U)	Attachment 5, Line 13, Col. (l)	1,784,502	TP 0.23	418,794
1b	Less Account 566	Attachment 5, Line 13, Col. (b)	-	TP 0.23	-
2	Less Account 565	Attachment 5, Line 13, Col. (c)	-	TP 0.23	-
3	A&G	Attachment 5, Line 13, Col. (d)	4,140,338	W/S 0.23	971,671
4	Less FERC Annual Fees	Attachment 5, Line 13, Col. (e)	-	W/S 0.23	-
5	Less EPRI & Reg. Comm. Exp. & Non-safety Ad.	(Note I) Attachment 5, Line 13, Col. (f)	-	W/S 0.23	-
5a	Plus Transmission Related Reg. Comm. Exp.	(Note I) Attachment 5, Line 13, Col. (g)	-	TP 0.23	-
5b	Less PBOP Expense in Year	Attachment 7, Line 6	-	W/S 0.23	-
5c	Plus PBOP Expense Allowed Amount	Attachment 7, Line 8	-	W/S 0.23	-
6	Common	356.1	-	CE 0.23	-
7	Transmission Lease Payments	Attachment 5, Line 13, Col (b)	-	NA -	-
7a	Account 566		-		-
7b	Amortization of Regulatory Asset	(Note GG) Attachment 5, Line 13, Col. (i)	-	NA -	-
7c	Miscellaneous Transmission Expense (less Amortization of Regulatory Asset)	Attachment 5, Line 13, Col. (j)	-	TP 0.23	-
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		1,618,046
DEPRECIATION EXPENSE (Note BB)					
9	Transmission	Attachment 5, Line 13, Col. (k)	562,296	TP 0.23	131,962
10	General & Intangible	Attachment 5, Line 26, Col. (a)	-	W/S 0.23	-
11	Common	Attachment 5, Line 26, Col (l)	-	CE 0.23	-
11a	Amortization of Abandoned Plant	(Notes X & FF) Attachment 5, Line 26, Col. (b)	-	NA -	-
12	TOTAL DEPRECIATION	(Sum of Lines 9 through 11a)	562,296		131,962
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
13	Payroll	Attachment 5, Line 26, Col. (c)	-	W/S 0.23	-
14	Highway and vehicle	Attachment 5, Line 26, Col. (d)	-	W/S 0.23	-
PLANT RELATED					
16	Property	Attachment 5, Line 26, Col. (e)	184,553	GP 0.23	43,312
17	Gross Receipts	Attachment 5, Line 26, Col. (f)	-	NA zero	-
18	Other	Attachment 5, Line 26, Col. (g)	-	GP 0.23	-
19	Payments in lieu of taxes	Attachment 5, Line 26, Col. (h)	-	GP 0.23	-
20	TOTAL OTHER TAXES	(Sum of Lines 13 through 19)	184,553		43,312
INCOME TAXES (Note K)					
21	T=1 - [(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)	(Note K)	0.2796		
22	CIT=(T/1-T) * (1-(WCLTD/R)) = FIT, SIT & p	(Note K) WCLTD = Page 4, Line 27, R = Page 4, Line 30	0.3366		
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 Deferred Income Taxes	(enter negative) Attachment 5, Line 26, Col. (j)	-		
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)	380,365		89,265
26	ITC adjustment	(Line 23 times Line 24)	-	NP 0.23	-
26a	Excess Deferred Income Tax Adjustment	(Line 23 times Line 24a)	-	NP 0.23	-
26b	Permanent Differences Tax Adjustment	(Line 23 times Line 24b)	1,609	NP 0.23	378
27	Total Income Taxes	(Sum of Lines 25 through 26b)	381,973		89,643
RETURN					
28	Rate Base times Return	(Page 2, Line 30 times Page 4, Line 30, Col. (5))	1,129,960	NA	265,184
29	REV. REQUIREMENT	(Sum of Lines 8, 12, 20, 27 & 28)	9,153,357		2,148,146
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]					
			-	NA -	-
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]					
			-	NA -	-
30b	PLUS Incentives on Attachment 9B for projects other than those included in Attachment MM-GLH and Attachment GG-GLH.	Attachment 9B, line 18	-		-
31	REV. REQUIREMENT TO BE COLLECTED UNDER THE OATT (Line 29 - Line 30 - Line 30a + Line 30b)		9,153,357		2,148,146

Formula Rate - Non-Levelized

Non-MISO Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

Line No.	(1)	(2)	(3)	(4)	(5)
SUPPORTING CALCULATIONS AND NOTES					
TRANSMISSION PLANT INCLUDED IN ISO RATES					
1	Total Transmission plant	(Page 2, Line 2, Column 3)			28,075,665
2	Less Transmission plant included in ISO rates	(Note L)			21,486,757
3	Less Transmission plant included in OATT Ancillary Services	(Note M)			-
4	Transmission plant not included in ISO rates	(Line 1 minus Lines 2 & Line 3)			6,588,908
5	Percentage of Transmission plant not included in ISO Rates	(Line 4 divided by Line 1)		TP=	0.23
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	0.23	0
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]		1		0 = GP (\$ / Allocation) 0.23 = WS
COMMON PLANT ALLOCATOR (CE) (Notes N and DD)					
17	Electric	200.3.c	30,658,757	% Electric (Line 17 / Line 20)	W&S Allocator (Line 16) = CE 0.23468
18	Gas	200.3.d	-	1.00000 *	0.23468 =
19	Water	200.3.e	-		
20	Total	(Sum of Lines 17 through 19)	30,658,757		
21 - 26 RETURN (R)					
			\$	%	Cost
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34	40	40.0%	2.25%
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35	-	0.0%	0.00%
29	Common Stock	(Notes O, Y and EE)	60	60.0%	9.80%
30	Total	(Sum of Lines 27 through 29)	100		6.78% =R
REVENUE CREDITS					
ACCOUNT 447 (SALES FOR RESALE)					
31	a. Bundled Non-RQ Sales for Resale	310 -311			Load
32	b. Bundled Sales for Resale included in Divisor on Page 1	311.x.h			-
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 OTH330.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

Non-MISO Rate Formula Template
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. Non-MISO assets are transmission assets not under MISO functional control. Only Non-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 Non-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 Non-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 Non-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 Non-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 $p = \frac{\text{percentage of federal income tax deductible for state income taxes}}{\text{percentage of federal income tax deductible for state income taxes}}$. 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 Deferred Income Taxes reduce income tax expense by the amount of the expense multiplied by $(T/1-T)$ (page 3, line 26a).

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 Includes transmission plant under MISO functional control and included in Attachment O-GLH
- M Includes 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 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 and are included here.
- 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 include 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. These lines will include 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.
- 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 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 system control, dispatch and scheduling costs in FERC accounts 561.1 through 561.4 and which are recovered in Schedule 1. Also excludes Account 561.4 and Account 561.8. MISO-related amounts are excluded from this attachment.
- V Pursuant to Attachment GG of the MISO Tariff, removes dollar amount of the revenue requirements calculated pursuant to Attachment GG. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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. MISO-related amounts are excluded from this attachment.
- 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 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 in this attachment means that the cost is directly assigned to Non-MISO 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 GLH 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 Non-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.

End

Attachment 9B (Note J)
Non-MISO Project Revenue Requirement Worksheet
GridLiance Heartland LLC

Page 1 of 3

To be completed in conjunction with Attachment 9A-GLH.
(inputs from Attachment 9A-GLH are rounded to whole dollars)

Line No.	(1)	(2) Source Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach 9A, p 2, line 2 col 5 (Note A)	6,588,908	
1a	Transmission Accumulated Depreciation	Attach 9A, p 2, line 8 col 5	3,099,547	
1b	CWIP, Regulatory Asset, Abandoned Plant	Attach 9A, p 2, lines 18a, 23a & 23b (Note B)	-	
2	Net Transmission Plant - Total	Line 1 minus Line 1a plus Line 1b	3,489,361	
O&M TRANSMISSION EXPENSE				
3	Total O&M Allocated to Transmission	Attach 9A, p 3, line 8 col 5	1,618,046	
3a	Transmission O&M	Attach 9A, p 3, line 1 col 5	1,065,169	
	Less: Ancillary Service expenses included			
3b	in above	Attach 9A, p 3, line 1a col 5	418,794	
3c	Less: Account 565 included in above, if any	Attach 9A, p 3, line 2 col 5, if any	-	
3d	Less: Account 566 Amort of Reg Asset included in 3a, if any	Attach 9A, p 3, line 7b col 5, if any	-	
3e	Adjusted Transmission O&M	Line 3a minus Lines 3b thru 3d	646,375	
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	971,670.88	
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 9A, 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 9A, p 3, line 20 col 5	43,311.55	
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 9A, p 3, line 27 col 5	89,643.05	
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 9A, p 3, line 28 col 5	265,183.53	
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		0.10

Attachment 9B (Note J)
 Non-MISO 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/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
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	EEI Non-MISO Assets		6,588,907.77	3,099,546.82	0.10	646,375.11	0.15	1,014,982.44	1,661,357.55	3,489,361
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	-	-	-
16	Annual Totals		6,588,908	3,099,547		646,375		1,014,982	1,661,358	3,489,361

17 Rev. Req. Adj For Attachment 9A
 18 Incentives from Projects other than those in Attachment GG- GLH and Attachment MM_GLH. This includes only amounts related to Non-MISO assets

Note Letter

- A Gross Transmission Plant that is included on page 2 line 2 of Attachment 9A-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 9A-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). Does not 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 Non-MISO projects other than Attachment GG or MM, the Project True-up Adjustment is calculated on Attachment 9C. MISO-related amounts will be excluded from this attachment.
- 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 Any discounts related to Non-MISO specific project(s) will be included in this column. 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 9B is a reconciliation of the total calculated GridLiance Heartland Non-MISO ATRR and each of the related projects/assets.

Attachment 9C (Note 3)
 Non-MISO 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 9A-GLH and Attachment 9B

2) The 'revenue received' is the total amount of revenue received by GLH in the True-Up Year from Attachment 9A, Line 36, page 4 of 5 of Attachment 9A-GLH. This includes only Non-MISO amounts.

3) The Attachment 9C-Non-MISO Project True-Up is the actual True-Up calculation for Non-MISO amounts.

For each Non-MISO project or Attachment 9A-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 9A-GLH and Attachment 9B will then be entered in Col. (C) above. Column (D) contains the actual revenues received associated with Attachment 9A-GLH not 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). This includes only Non-MISO amounts.

FERC Refund Interest Rate

	(a)	(b)	(c)	(d)
4	Interest Rate:	Quarter	Year	Quarterly Interest Rate under Section 35.19(a)
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	-	-

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/2021

Line No.	(1)	(2)	(3)	(4)	(5)
		Source			Allocated Amount
1	GROSS REVENUE REQUIREMENT	(Page 3, Line 31)			\$ 4,966,118
	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)			\$ 4,966,118
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)			\$ 4,966,118
	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 Term
22			-	Long Term	- Long Term

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/2021

Line No.	(1)	(2)	(3)	(4)	(5)
No.	RATE BASE: (Notes Y & BB)	Source	Company Total	Allocator (Note JJ)	Transmission (Col 3 times Col 4)
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	28,075,665
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)	<u>28,075,665</u>	GP=	<u>28,075,665</u>
ACCUMULATED DEPRECIATION					
7	Production	Attachment 4, Line 14, Col. (k)	-	NA	-
8	Transmission	Attachment 4, Line 14, Col. (l)	13,207,324	TP	13,207,324
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)	<u>13,207,324</u>		<u>13,207,324</u>
NET PLANT IN SERVICE					
13	Production	(Line 1 - Line 7)	-		-
14	Transmission	(Line 2 - Line 8)	14,868,341		14,868,341
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)	<u>14,868,341</u>	NP=	<u>14,868,341</u>
18a	CWIP Approved by FERC Order	Attachment 4, Line 14, Col. (g) (Note LL)	-	DA	-
ADJUSTMENTS TO RATE BASE					
19	Reserved		-	NA	-
20	Reserved		-	NA	-
21	Reserved		-	NA	-
22	ADIT		(0)	NP	(0)
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	-
23b	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Notes X & FF)	-	DA	-
23c	Unfunded Reserves (enter negative)	Attachment 4, Line 31, Col. (h)	-	DA	-
24	TOTAL ADJUSTMENTS	(Sum of Lines 19 through 23c)	<u>(0)</u>		<u>(0)</u>
25	LAND HELD FOR FUTURE USE	Attachment 4, Line 14, Col. (h) (Note G)	-	TP	-
WORKING CAPITAL					
(Note H)					
26	CWC	1/8*(Page 3, Line 8 minus Page 3, Line 7b)	861,822		344,280
27	Materials & Supplies	Attachment 4, Line 14, Col. (i) (Note G)	328,467	TP	328,467
28	Prepayments (Account 165)	Attachment 4, Line 14, Col. (j)	607,450	GP	607,450
29	TOTAL WORKING CAPITAL	(Sum of Lines 26 through 28)	<u>1,797,740</u>		<u>1,280,197</u>
30	RATE BASE	(Sum of Lines 18, 18a, 24, 25 & 29)	<u><u>16,666,081</u></u>		<u><u>16,148,538</u></u>

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

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 1.00	4,538,738
1a	Less Ancillary Service Expenses included in Transmission O&M Accounts (Note U)	Attachment 5, Line 13, Col. (f)	1,784,502	TP 1.00	1,784,502
1b	Less Account 566	Attachment 5, Line 13, Col. (b)	-	TP 1.00	-
2	Less Account 565	Attachment 5, Line 13, Col. (c)	-	TP 1.00	-
3	A&G	Attachment 5, Line 13, Col. (d)	4,140,338	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 1.00	-
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 1.00	-
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 1.00	-
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		2,754,237
	DEPRECIATION EXPENSE	(Note BB)			
9	Transmission	Attachment 5, Line 13, Col. (k)	562,296	TP 1.00	562,296
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 1.00	-
12	TOTAL DEPRECIATION	(Sum of Lines 9 through 11a)	562,296		562,296
	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)	184,553	GP 1.00	184,553
17	Gross Receipts	Attachment 5, Line 26, Col. (f)	-	NA zero	-
18	Other	Attachment 5, Line 26, Col. (g)	-	GP 1.00	-
19	Payments in lieu of taxes	Attachment 5, Line 26, Col. (h)	-	GP 1.00	-
20	TOTAL OTHER TAXES	(Sum of Lines 13 through 19)	184,553		184,553
	INCOME TAXES	(Note K)			
21	$T=1 - ((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)$	(Note K)	0.2796		
22	$CIT=(T*1-T) * (1-(WCLTD/R))=FIT, SIT \& p$	WCLTD = Page 4, Line 27, R = Page 4, Line 30 (Note K)	0.3366		
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 Deferred Income Taxes	(enter negative) Attachment 5, Line 26, Col. (j)	-		
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)	380,365		368,553
26	ITC adjustment	(Line 23 times Line 24)	-	NP 1.00	-
26a	Excess Deferred Income Tax Adjustment	(Line 23 times Line 24a)	-	NP 1.00	-
26b	Permanent Differences Tax Adjustment	(Line 23 times Line 24b)	1,609	NP 1.00	1,609
27	Total Income Taxes	(Sum of Lines 25 through 26b)	381,973		370,162
	RETURN				
28	Rate Base times Return	(Page 2, Line 30 times Page 4, Line 30, Col. (5))	1,129,960	NA	1,094,871
29	REV. REQUIREMENT	(Sum of Lines 8, 12, 20, 27 & 28)	9,153,357		4,966,118
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 14] (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	-		-
31	REV. REQUIREMENT TO BE COLLECTED UNDER ATTACHMENT O (Line 29 - Line 30 - Line 30a + Line 30b)		9,153,357		4,966,118

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)			28,075,665
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)			28,075,665
5	Percentage of Transmission plant included in ISO Rates	(Line 4 divided by Line 1)		TP=	1.00
6 - 11	WAGES & SALARY ALLOCATOR (W&S)				
		Form 1 Reference	\$	TP	Allocation
12	Production	354.20.b	-	-	-
13	Transmission (Note MM)	354.21.b	-	1.00	-
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]		-	-	-
					GP (\$ / Allocation)
					= WS
	COMMON PLANT ALLOCATOR (CE) (Notes N and DD)				
			\$		% Electric (Line 17 / Line 20)
17	Electric	200.3.c	30,658,757		W&S Allocator (Line 16)
18	Gas	200.3.d	-		CE
19	Water	200.3.e	-		
20	Total	(Sum of Lines 17 through 19)	30,658,757		
21 - 26	RETURN (R)				
			\$	%	Cost
27	Long Term Debt	(Note Y, EE) Attachment 5, Line 34		40	40%
28	Preferred Stock	(Note Y, EE) Attachment 5, Line 35		-	0%
29	Common Stock	(Notes O, Y and EE) Attachment 5, Line 36		60	60%
30	Total	(Sum of Lines 27 through 29)		100	
					Weighted
					0.90% =WCLTD
					0.00%
					5.88%
					6.78% =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 OTHE330.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)				-
38	Reserved				
39	Reserved				
40	Reserved				

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data
GridLiance Heartland LLC

For the 12 months ended 12/31/2021

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.
- B Labeled LF, LU, IF, IU on Pages 310-311 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- C Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- D Labeled LF on Page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
- E The FERC's annual charges for the year assessed the Transmission Owner for service under this formula rate.
- 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 Deferred Income Taxes reduce income tax expense by the amount of the expense multiplied by (T/1-T)(page 3, line 26a).

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 provided 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 midway. 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.
- 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.

End

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)	28,075,665	
1a	Transmission Accumulated Depreciation	Attach O, p 2, line 8 col 5	13,207,324	
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	14,868,341	
	O&M TRANSMISSION EXPENSE			
3	Total O&M Allocated to Transmission	Attach O, p 3, line 8 col 5	2,754,237	
3a	Transmission O&M	Attach O, p 3, line 1 col 5	4,538,738	
3b	Less: Ancillary Service Expenses included in above	Attach O, p 3, line 1a col 5	1,784,502	
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	2,754,237	
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	-	
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	184,553	
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	0.01	0.01
	INCOME TAXES			
10	Total Income Taxes	Attach O, p 3, line 27 col 5	370,162	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	0.02	0.02
	RETURN			
12	Return on Rate Base	Attach O, p 3, line 28 col 5	1,094,871	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	0.07	0.07
14	Annual Allocation Factor for Return	Sum of line 11 and 13 col 4		0.10

Attachment 1 (Note J)
 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/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
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		-	-	13,207,324	0.10	-	0.01	-	-	(13,207,324)
15b		-	-	-	0.10	-	0.01	-	-	-
15c		-	-	-	0.10	-	0.01	-	-	-
15d		-	-	-	0.10	-	0.01	-	-	-
15e		-	-	-	0.10	-	0.01	-	-	-
15f		-	-	-	0.10	-	0.01	-	-	-
15g		-	-	-	0.10	-	0.01	-	-	-
15h		-	-	-	0.10	-	0.01	-	-	-
15i		-	-	-	0.10	-	0.01	-	-	-
15j		-	-	-	0.10	-	0.01	-	-	-
15k		-	-	-	0.10	-	0.01	-	-	-
15l		-	-	-	0.10	-	0.01	-	-	-
15m		-	-	-	0.10	-	0.01	-	-	-
15n		-	-	-	0.10	-	0.01	-	-	-
15o		-	-	-	0.10	-	0.01	-	-	-
		-	-	-	0.10	-	0.01	-	-	-
		-	-	-	0.10	-	0.01	-	-	-
		-	-	-	0.10	-	0.01	-	-	-
16	Annual Totals	-	-	13,207,324	-	-	-	-	-	(13,207,324)

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 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)).
 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.
- J

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							16,148,538
2	100 Basis Point Incentive Return					Cost		<u>\$</u>	
			<u>\$</u>	%				<u>Weighted</u>	
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%		10.80%		0.0648	
6	Total	Sum Lines 3 to 5	-					0.0738	
7	100 Basis Point Incentive Return multiplied by Rate Base	Line 1 * Line 6, Col. I							1,191,762
8	INCOME TAXES								
9	$T = SIT * (1 - FIT) + FIT - (p * FIT)$	Attachment O-GLH, Page 3, Line 21	0.2796						
10	$CIT = (T / (1 - T)) * (1 - (WCLTD / R)) =$		0.3408						
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	406,160		NA			406,160	
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	407,769					406,160	406,160
22	Return and Income Taxes with 100 basis point increase in ROE								1,597,923
23	Return	Attach. O, Page 3, Line 28, Col. 5							1,094,871
24	Income Tax	Attach. O, Page 3, Line 27, Col. 5							370,162
25	Return and Income Taxes without 100 basis point increase in ROE	Sum Lines 23 and 24							1,465,033
26	Incremental Return and Income Taxes for 100 basis point increase in ROE	Line 22 less Line 25							132,890
27	Rate Base	Line 1							16,148,538
28	Incremental Return and Income Taxes for 100 basis point increase in ROE divided by Rate Base	Line 26 / Line 27							0.0082

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						
	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	-

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 (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	227.8.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	-	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)
			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)	
29	List of all reserves:								
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
		1	1b	2	3	4	5	5a	7	7b	7c	9	1a
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Attachment O - GLH, Page 3, Line Number													
FERC Form 1 Reference		321.112.b	321.97.b	321.96.b	323.197.b	Attachment O - GLH, Note 1	Attachment O - GLH, Note 1	Attachment O - GLH, Note 1		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	10	11a	13	14	16	17	18	19	24	24a	24b	11
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(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	-	-	-	15,379	-	-	-	-	-	-	96
15	February	-	-	-	15,379	-	-	-	-	-	-	96
16	March	-	-	-	15,379	-	-	-	-	-	-	96
17	April	-	-	-	15,379	-	-	-	-	-	-	96
18	May	-	-	-	15,379	-	-	-	-	-	-	96
19	June	-	-	-	15,379	-	-	-	-	-	-	97
20	July	-	-	-	15,379	-	-	-	-	-	-	97
21	August	-	-	-	15,379	-	-	-	-	-	-	97
22	September	-	-	-	15,379	-	-	-	-	-	-	97
23	October	-	-	-	15,379	-	-	-	-	-	-	97
24	November	-	-	-	15,379	-	-	-	-	-	-	97
25	December	-	-	-	15,379	-	-	-	-	-	-	97
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)
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 negative)				-			
33		Common Stock		(sum lines 30 - 32)				-			

	\$	%	Cost Rates	Weighted
34 Long Term Debt	Note A and Note D	40	40.00%	2.25%
35 Preferred Stock (112.3.c)	Note B	-	0.00%	0.00%
36 Common Stock	Note C	60	60.00%	5.88%
37 Total	(Sum of Lines 34 through 36)	100		6.78% =R

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

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, ____
			<hr/>
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			-	Attachment-O Page 4 line 16
6	Net Plant Allocator		1.00		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							
13							
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 Depreciation						Property basis difference resulting from accelerated tax depreciation.
20						
21						
22						
23						
24						
25						
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						
39						
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.

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
ADIT-190	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
5						
6						
7						
8						
9						
10						
11						
12						
13						
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
	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
ADIT-282						
19						
20						
21						
22						
23						
24						
25						
26	Plant Items	(109,314)	(109,314)			Amount subject to Proration
27	Subtotal - p275.k	(109,314)	-	(109,314)	-	-
28	Less FASB 109 Above if not separately removed					
29	Less FASB 106 Above if not separately removed					
30	Total	(109,314)	-	(109,314)	-	-

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
	Total	Gas, Prod or Other Related	Transmission Related	Plant Related	Labor Related	Justification
ADIT-283						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40	Depreciation Items	(25,763)	(25,763)			Amount subject to Proration
41	Subtotal - p277.k	(25,763)	-	(25,763)	-	-
42	Less FASB 109 Above if not separately removed					
43	Less FASB 106 Above if not separately removed					
44	Total	(25,763)	-	(25,763)	-	-

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 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			-	Attachment-O Page 4 line 16
6	Net Plant Allocator		1.00		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.

FERC rendition of the electronically filed tariff records in Docket No. ER21-01587-000

Filing Data:

CID: C009068

Filing Title: GLH Non-MISO OATT C-Corp Conversion Filing

Company Filing Identifier: 4012021

Type of Filing Code: 10

Associated Filing Identifier:

Tariff Title:

Tariff ID: 100

Payment Confirmation:

Suspension Motion: Y

Tariff Record Data:

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

ATTACHMENT R, Formula Rate Template, 5.0.0, A

Record Narrative Name:

Tariff Record ID: 5190

Tariff Record Collation Value: 5190 Tariff Record Parent Identifier: 100

Proposed Date: 2021-05-31

Priority Order: 525

Record Change Type: Change

Record Content Type: 2

Associated Filing Identifier:

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Document Content(s)

GLH Non-MISO OATT C-Corp Conversion Filing.PDF1
2020-04-01.Attachment 1 - GLH Non-MISO.ER21-.PDF7
2020-04-01.Attachment 2 - GLH Non-MISO.ER21-.PDF41
2020-04-01.Attachment 3A - GLH Non-MISO.ER21-.XLSX.....79
2020-04-01.Attachment 3B - GLH Non-MISO.ER21-.XLSX.....113
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