

Exogenous Costs
Filing Date: 6/16/2021
Filing Entity: Indianhead Telephone Company
Transmittal Number: 9

Contribution Factors Embedded in Current Rates			2021 Contribution Factors, if published, otherwise use contribution factors embedded in current rates		
Factor	Existing Factor Value	Source FCC Order	Factor	Existing Factor Value	Source FCC Order
Reg Fee Factor:	0.000000		Reg Fee Factor:	0.000000	
NANPA Factor:	0.00000000		NANPA Factor:	0.00000000	
Other CTS TRS Factor:	0.000000		Other CTS TRS Factor:	0.000000	
IP-CTS TRS Factor:	0.000000		IP-CTS TRS Factor:	0.000000	

Input from 2021 FCC Form 499A													Input from 2021 FCC Form 159-W (If FCC Form 159-W is unavailable, calculate using lines from 2021 FCC Form 499-A and input the result below)		
Holding Company ID	Holding Company Name	Study Area ID	Study Area Name	End User Interstate Surcharge for State or Federal Universal Service Contributions Line 403d	End User Interstate Local Private Line and Business Data Services ("Special Access") Line 406d	End User International Calls Originating and Terminating at Foreign Ports Line 412a*	End User Total Gross Revenues Line 420a	End User Interstate Gross Revenues Line 420d	End User International Revenues in Gross USC Base Line 420e	End User Revenues from Resellers Not Contributing to USC Line 511a	TRS IP CTS Contribution Base Revenues Line 514a	TRS Other Contribution Base Revenues Line 514b	Reg Fee Base Revenue Exclusions Input from form 159-W Line 13 Or The sum of form 499-A Line 409d + Line 409e + Line 410d + Line 410e + Line 416d + Line 416e + Line 511b + (Surcharges on mobile and satellite services identified as recovering universal service contributions and included in Line 403d or 403e). Round to the nearest dollar.	End User Interstate Surcharge Factor	End User Total Special Access Revenues Including Interstate Surcharge
				Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12
Input	Input	Input	Input	Input	Input	Input	Input	Input	Input	Input	Input	Input	Input	Col 1 / (Col 5 - Col 1)	Col 2 x (1 + Col 11)
Blue Earth Communications, Inc.	Blue Earth Communications, Inc.	330936	Indianhead Telephone Company	\$23,208.00	\$0.00	\$0.00	\$551,256.00	\$123,862.00	\$0.00	\$0.00	\$551,256.00	\$123,862.00	\$0.00	0.230572	\$0.00

*Line 412a is equivalent to Line 412e on form 499-A
** If the percentage of BDS revenues in column 14 equals 0, inputs to columns 1 through 13 are not required.

		Exogenous Costs Using 2020 Contribution Factors - BDS Non Competitive Services								Exogenous Costs Using 2021 Contribution Factors (if available) - BDS Non Competitive Services									
End User Total Special Access Portion of End User Interstate Gross Revenues on FCC Form 499A	End User Revenues from BDS Ex Ante Rate Elements / End User Total Special Access Revenues (including DSL and TTS) from 2020**	Was your study area required to pay Regulatory Fees in 2020?	Reg Fee	IP TRS Fee	Other TRS Fee	Total TRS Fee	NANPA	Sum 2020 Exog Costs	BDS Portion of 2020 Exogenous Costs	Is your study area required to pay Regulatory Fees in 2021?	Reg Fee	IP TRS Fee	Other TRS Fee	Total TRS Fee	NANPA	Sum 2021 Exog Costs	BDS Portion of 2021 Exogenous Costs	BDS Portion of Gross Up Increment for TRS	Incremental Exogenous Costs for BDS Services (Z)
Col 13	Col 14	Col 15	Col 16	Col 17	Col 18	Col 19	Col 20	Col 21	Col 22	Col 23	Col 24	Col 25	Col 26	Col 27	Col 28	Col 29	Col 30	Col 31	Col 32
Col 12 / Col 5	Input	Input (Enter 1 from the drop down if study area is required to pay Reg Fees, enter 0 if exempt)	(Col 3 + Col 5 + Col 6 - Col 10) x 2020 Reg Fee Factor. If EC is exempt or result is less than \$1,000, Reg Fee = \$0	Col 8 x 2020 IP TRS Factor	Col 9 x 2020 TRS Factor	If Col 4 greater than \$0, maximum value of sum of Col 17 + Col 18, and \$25. If Col 4 = \$0, Total TRS Fee = \$0	Maximum value of (Col 4 + Col 3 - Col 7) x 2020 NANPA Factor and \$25	Col 16 + Col 19 + Col 20	Col 21 x Col 13 x Col 14	Input (Enter 1 from the drop down if study area is required to pay Reg Fees, enter 0 if exempt)	(Col 3 + Col 5 + Col 6 - Col 10) x 2021 Reg Fee Factor. If EC is exempt or result is less than \$1,000, Reg Fee = \$0	Col 8 x 2021 IP TRS Factor	Col 9 x 2021 Other TRS Factor	If Col 4 greater than \$0, maximum value of sum of Col 25 + Col 26, and \$25	Maximum value of (Col 4 + Col 3 - Col 7) x 2021 NANPA Factor and \$25	Col 24 + Col 27 + Col 28	Col 29 x Col 13 x Col 14	(E/9) x (Col 27 - Col 19) x Col 13 x Col 14 for Mid course filing, \$0 for annual filing	Col 30 + Col 31 - Col 22
0.000000	100.000000	0	\$0.00	\$0.00	\$0.00	\$25.00	\$25.00	\$50.00	\$0.00	0	\$0.00	\$0.00	\$0.00	\$25.00	\$25.00	\$50.00	\$0.00	\$0.00	\$0.00

Factor Dev
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Source		
GDP-PI Q4 2019	112.989	https://apps.bea.gov/itable/itable.cfm?reqid=19&step=2
GDP-PI Q4 2020	114.415	Table 1.1.4. Price Indexes for Gross Domestic Product (updated 3/25/21)

Holding Company ID	Holding Company Name	Study Area ID	Study Area Name	Productivity Factor (X Factor) Col 33	Percent Change in GDP-PI (GDP-PI) Col 34	Sum of Study Area 2020 Annual Recurring and Non-Recurring Revenues at Last PCI Update (from Study Area Tab) (R) Col 35	Incremental Exogenous Costs for BDS Services (Z) Col 36	Ratio of the Sum of Annual Revenues Plus Exogenous Cost Changes to Annual Revenues (w) Col 37	Study Area Current PCI Col 38	Study Area Proposed PCI Prior to Removing Gross Up Col 39	Date of Last PCI Update Col 40	Total BDS Revenue Under Incentive Regulation from Mid-Course Filing Col 41	Study Area PCI at Last Annual BDS Filing Col 42	TRS Gross Up Amount from Mid-Course Filing Col 43	TRS Gross Up Removal Factor Col 44	Study Area Proposed PCI Col 45	Date of Current Rate Col 47	Date of Proposed Rate Col 48
Input	Input	Input	Input	FCC 61.45(b)(1)(iv)	(GDP-PI Q4 2020 - GDP-PI Q4 2019) / GDP-PI Q4 2019	(Col 53 + Col 56)	Col 32	(Col 35 + Col 36) / Col 35	Input PCI from last BDS Filing	Col 38 x (1 + Col 37 x (Col 34 - Col 33) + Col 36 / Col 35)	Input (Select July 1, 2020 or October 1, 2020 from the drop down menu)	Input Total BDS Revenue (R) from BDS mid-course filing (NA if last BDS filing was effective July 1, 2020)	Input Enter proposed PCI from BDS annual filing. (NA if last BDS filing was effective July 1, 2020)	Input amount from BDS mid-course filing. (NA if last BDS filing was effective July 1, 2020)	1 - ((Col 42 / Col 38) x (Col 43 / Col 41)) (1.000 if last BDS filing was effective July 1, 2020)	Col 39 x Col 44	Input (Last date that current rates will be effective)	Input (Date that new rates will become effective)
Blue Earth Communi	Blue Earth Communi	330936	Indiahead Telephone Comp	2.0000%	1.2621%	\$92,641.32	\$0.00	1.0000	99.6401	98.9049	October 1, 2020				1.000000	98.904856	June 30, 2021	July 1, 2021

330936 TRP
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Study Area Code:
Study Area Name:
Study Area Proposed PCI:
Study Area Current PCI:

330936
Indianhead Telephone Company
98.9049
99.6401

Line No.	Study Area Dashboard					Annual Recurring Revenue			Annual Non-recurring Revenue			Total Annual Revenue		
	Service Band	Current Service Band Index (SBI) or Actual Price Index (API) from October 1, 2020 TRP)	Proposed SBI or Proposed API	Proposed SBI Upper Limit or Proposed PCI	Pass If Proposed SBI Less Than or Equal to SBI Limit, or if Proposed API Less Than or Equal To Proposed PCI	At Last PCI Update (October 1, 2020)	At Current Rate (June 30, 2021)	At Proposed Rate (July 1, 2021)	At Last PCI Update (October 1, 2020)	At Current Rate (June 30, 2021)	At Proposed Rate (July 1, 2021)	At Last PCI Update (October 1, 2020)	At Current Rate (June 30, 2021)	At Proposed Rate (July 1, 2021)
	Col 49	Col 50	Col 51	Col 52	Col 53	Col 54	Col 55	Col 56	Col 57	Col 58	Col 59	Col 60	Col 61	
Input	(Col 61 / Col 60) x Col 49	(Col 49 X Ratio of Proposed PCI to Current PCI X 1.05) or Study Area Proposed PCI	Col 50 Must Be Less Than Or Equal To Col 51 To Pass	Sum of Recurring Charges at Rates at Last PCI Update x 12	Sum of Recurring Charges at Current Rates x 12	Sum of Recurring Charges at Proposed Rates x 12	Sum of Non-recurring Charges at Rates at Last PCI Update	Sum of Non-recurring Charges at Current Rates	Sum of Non-recurring Charges at Proposed Rates	Sum (Col 53 + Col 56)	Sum (Col 54 + Col 57)	Sum (Col 55 + Col 58)		
1	Voice Grade, WATS, Metallic and Telegraph Special Access Services	0.0000	0.0000	Pass	\$1,943.40	\$1,943.40	\$1,921.44	\$0.00	\$0.00	\$0.00	\$1,943.40	\$1,943.40	\$1,921.44	
2	Audio and Video Services	0.0000	NA	Pass	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
3	DS1	0.0000	0.0000	Pass	\$90,697.92	\$90,697.92	\$89,708.28	\$0.00	\$0.00	\$0.00	\$90,697.92	\$90,697.92	\$89,708.28	
4	DS3	0.0000	NA	Pass	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
5	High Capacity (DS1 and DS3) + DDS	0.0000	0.0000	Pass	\$90,697.92	\$90,697.92	\$89,708.28	\$0.00	\$0.00	\$0.00	\$90,697.92	\$90,697.92	\$89,708.28	
6	Wideband Data and Wideband Analog Services	0.0000	NA	Pass	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
7	Total (Lines 1, 2, 5, 6 and Miscellaneous Charges)	0.0000	98.9049	Pass	\$92,641.32	\$92,641.32	\$91,629.72	\$0.00	\$0.00	\$0.00	\$92,641.32	\$92,641.32	\$91,629.72	

Recurring Charges													
										Average Monthly Revenue			
Tariff Reference	Tariff Rate Element	Service Category	Rate at Last PCI Update (October 1, 2020)	Current Rate (June 30, 2021)	Proposed Rate (July 1, 2021)	Percent Rate Change from Current Rate to Proposed Rate	Average Monthly Demand Over Base Period (Calendar Year 2020)	EXAMPLE TERM DISCOUNT PLAN Average Monthly Demand Over Base Period (Calendar Year 2020) In a 5-YR Term Plan Demand (20% Discount)	EXAMPLE TERM DISCOUNT PLAN Average Monthly Demand Over Base Period (Calendar Year 2020) In a 3-YR Term Plan Demand (10% Discount)	At Last PCI Update	At Current Rate	At Proposed Rate	Difference Proposed - Current
Input	Input	Input	Input	Input	Input	(Col 65 / Col 64) - 1	Input	Input	Input	Input	Input	Input	Col 72 - Col 71
** VOICE GRADE SPECIAL ACCESS SVCS **													
Example	56K Channel Mileage Facility	VG	\$17.68	\$17.68	\$17.48	-1.1%	9.16	0.00	0.00	\$161.95	\$161.95	\$160.12	-\$1.83
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
** WATS SPECIAL ACCESS SVCS**													
Example	Example WATS Special Access Svc	WATS	\$0.00	\$0.00	\$0.00	0.0%	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
** METALLIC SPECIAL ACCESS SVCS**													
Example	Example Metallic Special Access Svc	METAL	\$0.00	\$0.00	\$0.00	0.0%	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
** TELEGRAPH SPECIAL ACCESS SVCS **													
Example	Example Telegraph Special Access Svc	TGR	\$0.00	\$0.00	\$0.00	0.0%	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00
						0.0%				\$0.00	\$0.00	\$0.00	\$0.00

						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
	** AUDIO AND VIDEO SERVICES **	AV												
Example	Example Audio and Video Services	AV	\$0.00	\$0.00	\$0.00	0.0%	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
	** DS1 SPECIAL ACCESS SERVICES **	DS1												
Example	Chennel Mielage Facility	DS1	\$52.40	\$52.40	\$51.83	-1.1%	78.50	0.00	0.00	0.00	\$4,113.40	\$4,113.40	\$4,068.66	-\$44.74
	Channel Mielage Termination	DS1	\$271.77	\$271.77	\$268.79	-1.1%	3.08	0.00	0.00	0.00	\$837.05	\$837.05	\$827.87	-\$9.18
	Channel Termination	DS1	\$846.66	\$846.66	\$837.39	-1.1%	3.08	0.00	0.00	0.00	\$2,607.71	\$2,607.71	\$2,579.16	-\$28.55
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
	** DS3 SPECIAL ACCESS SERVICES **	DS3												
Example	Example DS3 Special Access Services	DS3	\$0.00	\$0.00	\$0.00	0.0%	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
	** DDS Services **	DDS												
Example	Example DDS Services	DDS	\$0.00	\$0.00	\$0.00	0.0%	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
	** WIDE BAND DATA AND WIDE BAND ANALOG SVCS **	WIDE												
Example	Example Wideband Data and Wideband Analog Services	WIDE	\$0.00	\$0.00	\$0.00	0.0%	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
	** MISCELLANEOUS CHARGES ** (Access ordering, additional labor, etc.)	MISC												
Example	Example Miscellaneous Charges	MISC	\$0.00	\$0.00	\$0.00	0.0%	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00
						0.0%					\$0.00	\$0.00	\$0.00	\$0.00

Non-recurring Charges

Tariff Reference	Tariff Rate Element	Service Category Col 74	Rate at Last PCI Update (October 1, 2020) Col 75	Current Rate (June 30, 2021) Col 76	Proposed Rate (July 1, 2021) Col 77	Percent Rate Change from Current Rate to Proposed Rate Col 78	Cumulative Demand Over Base Period (Calendar Year 2020) Col 79	Annual Revenues			Difference Proposed - Current Col 83
								At Last PCI Update Col 80	At Current Rate Col 81	At Proposed Rate Col 82	
								Col 75 x Col 79	Col 76 x Col 79	Col 77 x Col 79	
	Input	Input	Input	Input	Input	(Col 77 / Col 75) - 1	Input	Col 75 x Col 79	Col 76 x Col 79	Col 77 x Col 79	Col 82 - Col 81
	** VOICE GRADE SPECIAL ACCESS SVCS **	VG									
Example	Example Voice Grade Special Access Svcs	VG	\$0.00	\$0.00	\$0.00	0.0%	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
	** WATS SPECIAL ACCESS SVCS**	WATS									
Example	Example WATS Special Access Svcs	WATS	\$0.00	\$0.00	\$0.00	0.0%	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
	** METALLIC SPECIAL ACCESS SVCS**	METAL									
Example	Example Metallic Special Access Svcs	METAL	\$0.00	\$0.00	\$0.00	0.0%	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
	** TELEGRAPH SPECIAL ACCESS SVCS **	TGR									
Example	Example Telegraph Special Access Svcs	TGR	\$0.00	\$0.00	\$0.00	0.0%	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
	** AUDIO AND VIDEO SERVICES **	AV									
Example	Example Audio and Video Services	AV	\$0.00	\$0.00	\$0.00	0.0%	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
	** DS1 SPECIAL ACCESS SERVICES **	DS1									
Example	Example DS1 Special Access Services	DS1	\$0.00	\$0.00	\$0.00	0.0%	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
	** DS3 SPECIAL ACCESS SERVICES **	DS3									
Example	Example DS3 Special Access Services	DS3	\$0.00	\$0.00	\$0.00	0.0%	0.00	\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
						0.0%		\$0.00	\$0.00	\$0.00	\$0.00
	** DDS Services **	DDS									
Example	Example DDS Services	DDS	\$0.00	\$0.00	\$0.00	0.0%	0.00	\$0.00	\$0.00	\$0.00	\$0.00

[illegible]