

**Exogenous Costs**  
**Filing Date:** 06/16/20  
**Filing Entity:** Ace Telephone Association - Iowa  
**Transmittal Number:**

REDACTED FOR PUBLIC INSPECTION

Contribution Factor Embedded in Existing Rates				Contribution Factors for Test Period Rates (enter new factor for TRS if new factor is available by May 1, otherwise enter current factor).						
Factor		Existing Factor Value		Source FCC Order		Factor		Existing Factor Value	Source FCC Order	Incremental Fee Per \$ Revenue
Reg Fee Factor:			0.00317	DA 19-83		Reg Fee Factor:		0.00317	DA 19-83	\$0.00
TRS Factor:			0.02779	DA 19-607		TRS Factor:		0.02779	DA 19-607	\$0.00
NANPA Factor:			0.0000908	DA 19-810		NANPA Factor:		0.0000908	DA 19-810	\$0.00

[illegible]

Factor Dev  
Filing Date: 06/16/20  
Filing Entity: Ace Telephone Association - Iowa  
Transmittal Number:

REDACTED FOR PUBLIC INSPECTION

		Source
GDP-PI Q4 2018	111.212	<a href="https://apps.bea.gov/iTable/iTable.cfm?reqid=19&amp;step=2">https://apps.bea.gov/iTable/iTable.cfm?reqid=19&amp;step=2</a>
GDP-PI Q4 2019	113.036	Table 1.1.4. Price Indexes for Gross Domestic Product (updated 3/26/20)

[illegible]

351346 TRP  
Filing Date: 06/16/20  
Filing Entity: Ace Telephone Association - Iowa  
Transmittal Number:

Study Area Code: 351346  
Study Area Name: Ace Telephone Assoc. Iowa  
Study Area Category Relationship Unfreeze Factor:  
Study Area Net Contributor or Net Recipient Factor:  
Study Area Proposed PCI:  
Study Area PCI <sub>1/1/20</sub>

	Study Area Dashboard					Annual Recurring Revenue		Annual Non-recurring Revenue		Total Annual Revenue	
	Service Band	Jan. 1, 2020 Service Band Index (SBI <sub>1/1/20</sub> for Service Bands) or Jan. 1, 2020 Actual Price Index (API <sub>1/1/20</sub> for Total Basket)	Proposed Service Band Index (for Service Bands) or Proposed Actual Price Index (for Total Basket)	SBI Upper Limit (for Service Bands) or Proposed PCI (for Total Basket)	Pass if Proposed SBI Less Than or Equal to SBI Limit, or if Proposed API Less Than or Equal To Proposed PCI	At Adjusted Current Rates	At Proposed Rates	At Adjusted Current Rates	At Proposed Rates	At Adjusted Current Rates	At Proposed Rates
		Col 27	Col 28	Col 29	Col 30	Col 31	Col 32	Col 33	Col 34	Col 35	Col 36
Line No.		Input	(Col 36 / Col 35) X Col 27	= SBI <sub>1/1/20</sub> X (Proposed PCI/PCI <sub>1/1/20</sub> ) x 1.05 (for Service Bands) or = Proposed PCI (for Total Basket)	Col 28 Must Be Less Than Or Equal To Col 29 To Pass	Sum of Recurring Charges at Adjusted Current Rates X 12	Sum of Recurring Charges at Proposed Rates X 12	Sum of Non-recurring Charges at Adjusted Current Rates	Sum of Charges at Proposed Rates	Sum (Col 31 + Col 33)	Sum (Col 32 + Col 34)
1	Voice Grade, WATS, Metallic and Telegraph Special Access Services				Pass						
2	Audio and Video Services				Pass						
3	DS1				Pass						
4	DS3				Pass						
5	High Capacity (DS1 and DS3) + DDS				Pass						
6	Wideband Data and Wideband Analog Services				Pass						
7	Total (Lines 1, 2, 5, 6 and Miscellaneous Charges)				Pass						

Recurring Charges													
Tariff Reference	Tariff Rate Element	Service Category	January 2020 Tariffed Rate (Current Rate)	Adjusted January 2020 Tariffed Rate (Adjusted Current Rate)	Proposed July 2020 Tariff Rate (Proposed Rate)	Percent Rate Change from Adjusted Current Rate to Proposed Rate	Percent Rate Change from Current Rate to Proposed Rate	Average Monthly Demand Over Base Period (Calendar Year 2019)	EXAMPLE TERM DISCOUNT PLAN  Average Monthly Demand Over Base Period (Calendar Year 2019) In a 5-YR Term Plan Demand (20% Discount)	EXAMPLE TERM DISCOUNT PLAN  Average Monthly Demand Over Base Period (Calendar Year 2019) In a 3-YR Term Plan Demand (10% Discount)	Average Monthly Revenue		
											At Adjusted Current Rate	At Proposed Rate	Difference Proposed Adjusted Current
		Col 37	Col 38	Col 39	Col 40	Col 41	Col 42	Col 43	Col 44	Col 45	Col 46	Col 47	Col 48
Input	Input	Input	Input	Col 38 X Category Relationship Unfreeze Factor X Net Contributor or Net Recipient Factor	Input	(Col 40 / Col 39) - 1	(Col 40 / Col 38) - 1	Input	Input	Input	((Col 39 X Col 43) + (Col 39 X Col 44 X Appropriate Discount) + (Col 39 X Col 45 X Appropriate Discount))	((Col 40 X Col 43) + (Col 40 X Col 44 X Appropriate Discount) + (Col 40 X Col 45 X Appropriate Discount))	Col 47 - Col 46
	** VOICE GRADE SPECIAL ACCESS SVCS **	VG											
17.3.4	Channel Termination, Per Termination / Two-Wire	VG	\$139.48		\$138.98		-0.4%						
17.3.4	Channel Termination, Per Termination / Four-Wire	VG	\$223.17		\$222.37		-0.4%						
17.3.4	Channel Mileage / Channel Mileage Facility, Per Mile	VG	\$9.96		\$9.92		-0.4%						
17.3.4	Channel Mileage / Channel Mileage Termination, Per Termination	VG	\$99.86		\$99.50		-0.4%						
17.3.4	Optional Features and Functions / Bridging / Voice Bridging, Per Port - Two-Wire	VG	\$16.84		\$16.78		-0.4%						
17.3.4	Optional Features and Functions / Bridging / Voice Bridging, Per Port - Four-Wire	VG	\$16.84		\$16.78		-0.4%						
17.3.4	Optional Features and Functions / Bridging / Data Bridging, Per Port - Two-Wire	VG	\$16.84		\$16.78		-0.4%						
17.3.4	Optional Features and Functions / Bridging / Data Bridging, Per Port - Four-Wire	VG	\$16.84		\$16.78		-0.4%						
17.3.4	Optional Features and Functions / Bridging / Telephoto Bridging, Per Port - Two-Wire	VG	\$16.84		\$16.78		-0.4%						
17.3.4	Optional Features and Functions / Bridging / Telephoto Bridging, Per Port - Four-Wire	VG	\$16.84		\$16.78		-0.4%						
17.3.4	Optional Features and Functions / Bridging / DATAPHONE Select-A-Station Bridging-Sequential Arrangement, Ports Per Channel Connected - Two-Wire	VG	\$57.40		\$57.19		-0.4%						
17.3.4	Optional Features and Functions / Bridging / DATAPHONE Select-A-Station Bridging-Sequential Arrangement, Ports Per Channel Connected - Four-Wire	VG	\$304.34		\$303.24		-0.4%						
17.3.4	Optional Features and Functions / Bridging / DATAPHONE Select-A-Station Bridging-Addressable Arrangement, Ports Per Channel Connected - Two-Wire	VG	\$61.40		\$61.18		-0.4%						

17.3.4	Optional Features and Functions / Bridging / DATAPHONE Select-A-Station Bridging - Addressable Arrangement, Ports Per Channel Connected - Four-Wire	VG	\$265.84		\$264.88		-0.4%						
17.3.4	Optional Features and Functions / Bridging / Telemetry and Alarm Bridging - Active Bridging Channel Connections, Per Channel Connected - Split Band	VG	\$26.81		\$26.71		-0.4%						
17.3.4	Optional Features and Functions / Bridging / Telemetry and Alarm Bridging - Active Bridging Channel Connections, Per Channel Connected - Summation	VG	\$10.49		\$10.45		-0.4%						
17.3.4	Optional Features and Functions / Bridging / Telemetry and Alarm Bridging - Passive Bridging Channel Connections, Per Channel Connected	VG	\$0.74		\$0.74		-0.4%						
17.3.4	Optional Features and Functions / Conditioning, Per Termination / C-Type	VG	\$24.42		\$24.33		-0.4%						
17.3.4	Optional Features and Functions / Conditioning, Per Termination / Data Capability	VG	\$21.96		\$21.88		-0.4%						
17.3.4	Optional Features and Functions / Conditioning, Per Termination / Telephoto Capability	VG	\$23.32		\$23.24		-0.4%						
17.3.4	Optional Features and Functions / Improved Return Loss For Effective, Per Termination / Two-Wire	VG	\$35.33		\$35.20		-0.4%						
17.3.4	Optional Features and Functions / Improved Return Loss For Effective, Per Termination / Four-Wire	VG	\$35.33		\$35.20		-0.4%						
17.3.4	Optional Features and Functions / Customer Specified Receive Level, Per Two-Wire Termination	VG	\$26.70		\$26.60		-0.4%						
17.3.4	Optional Features and Functions / Multiplexing Voice to Telegraph Grade, Per Arrangement	VG	\$584.96		\$582.85		-0.4%						
17.3.4	Optional Features and Functions / Signaling Capability, Per Termination	VG	\$56.57		\$56.37		-0.4%						
17.3.4	Optional Features and Functions / Selective Signaling Arrangement, Per Arrangement	VG	\$16.84		\$16.78		-0.4%						
17.3.4	Optional Features and Functions / Transfer Arrangement (Key Activated or Dial-Up) / Per four port arrangement including control channel termination	VG	\$12.39		\$12.35		-0.4%						
17.3.4	Optional Features and Functions / Transfer Arrangement (Key Activated or Dial-Up) / Per five port arrangement including control channel termination	VG	\$28.43		\$28.33		-0.4%						
	<b>** WATS SPECIAL ACCESS SVCS**</b>	<b>WATS</b>											
NA	NA				\$0.00		0.0%						
	<b>** METALLIC SPECIAL ACCESS SVCS**</b>	<b>METAL</b>											
17.3.2	Channel Termination / Per Termination	METAL	\$83.05		\$82.75		-0.4%						
17.3.2	Channel Mileage / Channel Mileage Facility, Per Mile	METAL	\$119.35		\$118.92		-0.4%						
17.3.2	Channel Mileage / Channel Mileage Termination, Per Termination	METAL	\$8.34		\$8.31		-0.4%						
17.3.2	Optional Features and Functions / Bridging / Three Premises Bridging, Per Port	METAL	\$16.84		\$16.78		-0.4%						
17.3.2	Optional Features and Functions / Bridging / Series Bridging, Per Port	METAL	\$16.84		\$16.78		-0.4%						
17.3.2	Optional Features and Functions / DSL Access Service Connection / Per 10BASE-T	METAL	\$647.67		\$645.34		-0.4%						
17.3.2	Optional Features and Functions / DSL Access Service Connection / Per 100BASE-T	METAL	\$3,362.04		\$3,349.94		-0.4%						
	<b>** TELEGRAPH SPECIAL ACCESS SVCS **</b>	<b>TGR</b>											
17.3.4	Channel Termination, Per Termination / Two-Wire	TGR	\$83.05		\$82.75		-0.4%						
17.3.4	Channel Termination, Per Termination / Four-Wire	TGR	\$166.16		\$165.56		-0.4%						
17.3.4	Channel Mileage / Channel Mileage Facility, Per Mile	TGR	\$9.97		\$9.93		-0.4%						
17.3.4	Channel Mileage / Channel Mileage Termination, Per Termination	TGR	\$99.90		\$99.54		-0.4%						
17.3.4	Optional Features and Functions / Telegraph Bridging, Per Port - Two-Wire	TGR	\$16.84		\$16.78		-0.4%						
17.3.4	Optional Features and Functions / Telegraph Bridging, Per Port - Four-Wire	TGR	\$16.84		\$16.78		-0.4%						
	<b>** AUDIO AND VIDEO SERVICES **</b>	<b>AV</b>											
17.3.5	Channel Termination, Per Termination / 200 to 3500 Hz	AV	\$147.89		\$147.36		-0.4%						
17.3.5	Channel Termination, Per Termination / 100 to 5000 Hz	AV	\$257.53		\$256.60		-0.4%						
17.3.5	Channel Termination, Per Termination / 50 to 8000 Hz	AV	\$257.53		\$256.60		-0.4%						





Non-recurring Charges											
									Annual Revenues		
Tariff Reference	Tariff Rate Element	Service Category	January 2020 Tariffed Rate (Current Rate)	Adjusted January 2020 Tariffed Rate (Adjusted Current Rate)	Proposed July 2020 Tariff Rate (Proposed Rate)	Percent Rate Change from Adjusted Current Rate to Proposed Rate	Percent Rate Change from Current Rate to Proposed Rate	Cumulative Demand Over Base Period (Calendar Year 2019)	At Adjusted Current Rate	At Proposed Rate	Difference Proposed - Adjusted Current
		Col 49	Col 50	Col 51	Col 52	Col 53	Col 54	Col 55	Col 56	Col 57	Col 58
Input	Input	Input	Input	Col 50 X Category Relationship Unfreeze Factor X Net Contributor or Net Recipient Factor	Input	(Col 52 / Col 51) - 1	(Col 52 / Col 50) - 1	Input	Col 51 X Col 55	Col 52 X Col 55	Col 57 - Col 56
	** VOICE GRADE SPECIAL ACCESS SVCS **	VG									
17.3.4	Channel Termination, Per Termination / Two-Wire	VG	\$450.00		\$450.00		0.0%				
17.3.4	Channel Termination, Per Termination / Four-Wire	VG	\$450.00		\$450.00		0.0%				
	** WATS SPECIAL ACCESS SVCS**	WATS									
NA	NA	WATS			\$0.00		0.0%				
	** METALLIC SPECIAL ACCESS SVCS**	METAL									
17.3.2	Channel Termination / Per Termination	METAL	\$450.00		\$450.00		0.0%				
17.3.2	Optional Features and Functions / DSL Access Service Connection / Per 10BASE-T	METAL	\$450.00		\$450.00		0.0%				
17.3.2	Optional Features and Functions / DSL Access Service Connection / Per 100BASE-T	METAL	\$650.00		\$650.00		0.0%				
	** TELEGRAPH SPECIAL ACCESS SVCS **	TGR									
17.3.3	Channel Termination, Per Termination / Two-Wire	TGR	\$450.00		\$450.00		0.0%				
17.3.3	Channel Termination, Per Termination / Four-Wire	TGR	\$450.00		\$450.00		0.0%				
	** AUDIO AND VIDEO SERVICES **	AV									
17.3.5	Channel Termination, Per Termination / 200 to 3500 Hz	AV	\$450.00		\$450.00		0.0%				
17.3.5	Channel Termination, Per Termination / 100 to 5000 Hz	AV	\$450.00		\$450.00		0.0%				
17.3.5	Channel Termination, Per Termination / 50 to 8000 Hz	AV	\$450.00		\$450.00		0.0%				
17.3.5	Channel Termination, Per Termination / 50 to 15000 Hz	AV	\$450.00		\$450.00		0.0%				
17.3.5	Channel Termination, Per Termination / TV-1 or 2	AV	\$330.00		\$330.00		0.0%				
17.3.5	Channel Termination, Per Termination / 4TV-5	AV	\$330.00		\$330.00		0.0%				
17.3.5	Channel Termination, Per Termination / 6TV-5	AV	\$330.00		\$330.00		0.0%				
17.3.5	Channel Termination, Per Termination / TV-15	AV	\$330.00		\$330.00		0.0%				
	** DS1 SPECIAL ACCESS SERVICES **	DS1									
17.3.8	Channel Termination, Per Termination / 1.544 Mbps	DS1	\$330.00		\$330.00		0.0%				
17.3.8	DSL Access Service Connection / Per 1.544 Mbps	DS1	\$450.00		\$450.00		0.0%				
	** DS3 SPECIAL ACCESS SERVICES **	DS3									
17.3.8	Channel Termination, Per Termination / 44.736 Mbps	DS3	\$445.00		\$445.00		0.0%				
17.3.8	DSL Access Service Connection / Per 44.736 Mbps	DS3	\$650.00		\$650.00		0.0%				
	** DDS Services **	DDS									
17.3.7	Channel Termination, Per Termination / 2.4 kbps	DDS	\$390.00		\$390.00		0.0%				
17.3.7	Channel Termination, Per Termination / 4.8 kbps	DDS	\$390.00		\$390.00						
17.3.7	Channel Termination, Per Termination / 9.6 kbps	DDS	\$390.00		\$390.00						
17.3.7	Channel Termination, Per Termination / 19.2 kbps	DDS	\$390.00		\$390.00		0.0%				
17.3.7	Channel Termination, Per Termination / 56.0 kbps	DDS	\$390.00		\$390.00		0.0%				
17.3.7	Channel Termination, Per Termination / 64.0 kbps	DDS	\$390.00		\$390.00		0.0%				
	** WIDEBAND DATA AND WIDEBAND ANALOG SVCS **	WIDE									
NA	NA	WIDE	\$100.00		\$100.00		0.0%				



