

Docket No. 18-00034
Atmos Energy Corporation, Tennessee Division
Staff DR Set No. 3
Question No. 3-03
Page 1 of 1

REQUEST:

In response to Staff Data Request No. 2, Question 2-02, filed in this docket on February 25, 2019, Atmos responded that its updated annual amortization amount of total Excess ADIT is \$1,039,693, based upon a 28-year amortization period. In accordance with paragraph 51 of the Stipulation and Settlement Agreement approved in this docket by order entered on June 24, 2019, the Commission approved an appropriate estimated amortization period for Protected ADIT of 28 years, relying upon the RSGM method. In paragraph 19 of the proposed Stipulation and Settlement Agreement, the parties recommend a 3-year amortization period for Unprotected Excess ADIT. Please provide detailed calculations of your proposed annual amortization amounts for both Protected Excess ADIT and Unprotected Excess ADIT, and please explain the accounting and ratemaking basis for such calculations. In your explanation, please specifically address your treatment of prior amortized amounts of Excess ADIT. Please provide all calculations in Excel format with working formulas.

SUPPLEMENTAL RESPONSE:

Please see Attachment 1 for the amortization schedule that will be included and updated in the Company's February 1, 2021 ARM filing. Please note that the amortization includes a start date of March 1, 2021 consistent with the Commission's ruling on February 16, 2021 in this case.

ATTACHMENT:

ATTACHMENT 1 - Staff_3-03_Att1_Suppl - Post-Hearing EDIT Amortization.xlsx, 7 Pages.

**SUPPLEMENTAL
ATTACHMENT
1**

Tennessee Distribution System
Deferred Regulatory Liability Amortization

Date Rates Last Set:	6/1/2019	Reg Liability Currently in Rates:	29,024,530	Current Amortization Period (Years):	28
Date of Next Rate Implementation:	3/1/2021	Final Reg Liability	29,337,265	Final Amortization Period:	29
Final Amortization Month:	9/30/2047	Unprotected Balance:	18,853,052	Unprotected Amortization Period:	3
		Protected Balance:	10,484,213	Max. Monthly Protected Amortizatrion	\$ 30,127
		RTP	312,122		

	Liability			Amortization					GL Balance	Reg liab vs GL diff	Total Reg Liab.
	Protected Balance	Unprotected Balance	Total Reg Liability Balance	Protected	Unprotected	Accelerated Unprotected	Total Amortization	Cumulative Balance - Amortization	Accts 2420- 27909, 2530- 27909		
Beginning	(9,888,366)	(17,784,704)	(27,673,070)								
Amortized Through 5/31/21	-	-	-								
10/31/2018	(9,858,239)	(17,732,471)	(27,590,710)	(30,127)	(52,233)		(82,360)	(82,360)			(27,673,070)
11/30/2018	(9,828,112)	(17,680,237)	(27,508,349)	(30,127)	(52,233)		(82,360)	(164,721)			(27,673,070)
12/31/2018	(9,797,985)	(17,628,004)	(27,425,989)	(30,127)	(52,233)		(82,360)	(247,081)			(27,673,070)
1/31/2019	(9,767,858)	(17,575,771)	(27,343,629)	(30,127)	(52,233)		(82,360)	(329,441)			(27,673,070)
2/28/2019	(9,737,731)	(17,523,537)	(27,261,268)	(30,127)	(52,233)		(82,360)	(411,802)			(27,673,070)
3/31/2019	(9,707,604)	(17,471,304)	(27,178,908)	(30,127)	(52,233)		(82,360)	(494,162)			(27,673,070)
4/30/2019	(9,677,477)	(17,419,071)	(27,096,548)	(30,127)	(52,233)		(82,360)	(576,522)			(27,673,070)
5/31/2019	(9,647,350)	(17,366,837)	(27,014,187)	(30,127)	(52,233)		(82,360)	(658,883)			(27,673,070)
Adj. with 6/1/2019 Implementation	(482,915)	(868,545)	(1,351,460)								(1,351,460)
6/30/2019	(10,100,138)	(18,179,127)	(28,279,265)	(30,127)	(56,256)		(86,383)	(745,265)			(29,024,530)
7/31/2019	(10,070,011)	(18,122,871)	(28,192,882)	(30,127)	(56,256)		(86,383)	(831,648)			(29,024,530)
8/31/2019	(10,039,884)	(18,066,616)	(28,106,500)	(30,127)	(56,256)		(86,383)	(918,030)			(29,024,530)
9/30/2019	(10,009,757)	(18,010,360)	(28,020,117)	(30,127)	(56,256)		(86,383)	(1,004,413)	(28,331,420)	311,302	(29,024,530)
10/31/2019	(9,979,630)	(17,954,105)	(27,933,735)	(30,127)	(56,256)		(86,383)	(1,090,795)	(28,249,059)	315,325	(29,024,530)
11/30/2019	(9,949,503)	(17,897,849)	(27,847,352)	(30,127)	(56,256)		(86,383)	(1,177,178)	(28,166,699)	319,347	(29,024,530)
12/31/2019	(9,919,376)	(17,841,594)	(27,760,970)	(30,127)	(56,256)		(86,383)	(1,263,560)	(28,072,272)	311,302	(29,024,530)
1/31/2020	(9,889,249)	(17,785,338)	(27,674,587)	(30,127)	(56,256)		(86,383)	(1,349,943)	(27,985,890)	311,302	(29,024,530)
2/29/2020	(9,859,122)	(17,729,083)	(27,588,205)	(30,127)	(56,256)		(86,383)	(1,436,325)	(27,899,507)	311,302	(29,024,530)
3/31/2020	(9,828,995)	(17,672,827)	(27,501,822)	(30,127)	(56,256)		(86,383)	(1,522,708)	(27,813,125)	311,303	(29,024,530)
4/30/2020	(9,798,868)	(17,616,572)	(27,415,440)	(30,127)	(56,256)		(86,383)	(1,609,090)	(27,726,742)	311,303	(29,024,530)
5/31/2020	(9,768,741)	(17,560,316)	(27,329,057)	(30,127)	(56,256)		(86,383)	(1,695,473)	(27,640,360)	311,303	(29,024,530)
6/30/2020	(9,738,614)	(17,504,060)	(27,242,674)	(30,127)	(56,256)		(86,383)	(1,781,856)	(27,553,977)	311,302	(29,024,530)
7/31/2020	(9,708,487)	(17,447,805)	(27,156,292)	(30,127)	(56,256)		(86,383)	(1,868,238)	(27,467,594)	311,302	(29,024,530)
8/31/2020	(9,678,360)	(17,391,549)	(27,069,909)	(30,127)	(56,256)		(86,383)	(1,954,621)	(27,381,212)	311,302	(29,024,530)
9/30/2020	(9,648,233)	(17,335,294)	(26,983,527)	(30,127)	(56,256)		(86,383)	(2,041,003)	(27,294,830)	311,303	(29,024,530)
10/31/2020	(9,618,106)	(17,279,038)	(26,897,144)	(30,127)	(56,256)		(86,383)	(2,127,386)			(29,024,530)
11/30/2020	(9,587,979)	(17,222,783)	(26,810,762)	(30,127)	(56,256)		(86,383)	(2,213,768)			(29,024,530)
12/31/2020	(9,557,852)	(17,166,527)	(26,724,379)	(30,127)	(56,256)		(86,383)	(2,300,151)			(29,024,530)
1/31/2021	(9,527,725)	(17,110,272)	(26,637,997)	(30,127)	(56,256)		(86,383)	(2,386,533)			(29,024,530)
2/28/2021	(9,497,598)	(17,054,016)	(26,551,614)	(30,127)	(56,256)		(86,383)	(2,472,916)			(29,024,530)
Adj. with 3/1/2021 Implementation	(112,932)	(199,803)	(312,735)								(312,735)
3/31/2021	(9,580,403)	(16,774,546)	(26,354,949)	(30,127)		(479,273)	(509,400)	(2,982,316)			(29,337,265)
4/30/2021	(9,550,276)	(16,295,274)	(25,845,550)	(30,127)		(479,273)	(509,400)	(3,491,715)			(29,337,265)
5/31/2021	(9,520,149)	(15,816,001)	(25,336,150)	(30,127)		(479,273)	(509,400)	(4,001,115)			(29,337,265)
6/30/2021	(9,490,022)	(15,336,728)	(24,826,750)	(30,127)		(479,273)	(509,400)	(4,510,515)			(29,337,265)
7/31/2021	(9,459,895)	(14,857,455)	(24,317,350)	(30,127)		(479,273)	(509,400)	(5,019,915)			(29,337,265)
8/31/2021	(9,429,768)	(14,378,183)	(23,807,951)	(30,127)		(479,273)	(509,400)	(5,529,314)			(29,337,265)
9/30/2021	(9,399,641)	(13,898,910)	(23,298,551)	(30,127)		(479,273)	(509,400)	(6,038,714)			(29,337,265)
10/31/2021	(9,369,514)	(13,419,637)	(22,789,151)	(30,127)		(479,273)	(509,400)	(6,548,114)			(29,337,265)
11/30/2021	(9,339,387)	(12,940,364)	(22,279,751)	(30,127)		(479,273)	(509,400)	(7,057,514)			(29,337,265)
12/31/2021	(9,309,260)	(12,461,092)	(21,770,351)	(30,127)		(479,273)	(509,400)	(7,566,914)			(29,337,265)
1/31/2022	(9,279,133)	(11,981,819)	(21,260,952)	(30,127)		(479,273)	(509,400)	(8,076,313)			(29,337,265)
2/28/2022	(9,249,006)	(11,502,546)	(20,751,552)	(30,127)		(479,273)	(509,400)	(8,585,713)			(29,337,265)
3/31/2022	(9,218,879)	(11,023,273)	(20,242,152)	(30,127)		(479,273)	(509,400)	(9,095,113)			(29,337,265)
4/30/2022	(9,188,751)	(10,544,001)	(19,732,752)	(30,127)		(479,273)	(509,400)	(9,604,513)			(29,337,265)
5/31/2022	(9,158,624)	(10,064,728)	(19,223,352)	(30,127)		(479,273)	(509,400)	(10,113,913)			(29,337,265)
6/30/2022	(9,128,497)	(9,585,455)	(18,713,953)	(30,127)		(479,273)	(509,400)	(10,623,312)			(29,337,265)
7/31/2022	(9,098,370)	(9,106,182)	(18,204,553)	(30,127)		(479,273)	(509,400)	(11,132,712)			(29,337,265)
8/31/2022	(9,068,243)	(8,626,910)	(17,695,153)	(30,127)		(479,273)	(509,400)	(11,642,112)			(29,337,265)
9/30/2022	(9,038,116)	(8,147,637)	(17,185,753)	(30,127)		(479,273)	(509,400)	(12,151,512)			(29,337,265)

Tennessee Distribution System
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		RTP	312,122		

Liability			Amortization				GL Balance	Reg liab vs GL diff	Total Reg Liab.
Protected Balance	Unprotected Balance	Total Reg Liability Balance	Protected	Unprotected	Accelerated Unprotected	Total Amortization	Cumulative Balance - Amortization		
10/31/2022	(9,007,989)	(7,668,364)	(16,676,353)	(30,127)	(479,273)	(509,400)	(12,660,912)		(29,337,265)
11/30/2022	(8,977,862)	(7,189,091)	(16,166,953)	(30,127)	(479,273)	(509,400)	(13,170,312)		(29,337,265)
12/31/2022	(8,947,735)	(6,709,819)	(15,657,554)	(30,127)	(479,273)	(509,400)	(13,679,711)		(29,337,265)
1/31/2023	(8,917,608)	(6,230,546)	(15,148,154)	(30,127)	(479,273)	(509,400)	(14,189,111)		(29,337,265)
2/28/2023	(8,887,481)	(5,751,273)	(14,638,754)	(30,127)	(479,273)	(509,400)	(14,698,511)		(29,337,265)
3/31/2023	(8,857,354)	(5,272,000)	(14,129,354)	(30,127)	(479,273)	(509,400)	(15,207,911)		(29,337,265)
4/30/2023	(8,827,227)	(4,792,728)	(13,619,954)	(30,127)	(479,273)	(509,400)	(15,717,311)		(29,337,265)
5/31/2023	(8,797,100)	(4,313,455)	(13,110,555)	(30,127)	(479,273)	(509,400)	(16,226,710)		(29,337,265)
6/30/2023	(8,766,973)	(3,834,182)	(12,601,155)	(30,127)	(479,273)	(509,400)	(16,736,110)		(29,337,265)
7/31/2023	(8,736,846)	(3,354,909)	(12,091,755)	(30,127)	(479,273)	(509,400)	(17,245,510)		(29,337,265)
8/31/2023	(8,706,719)	(2,875,637)	(11,582,355)	(30,127)	(479,273)	(509,400)	(17,754,910)		(29,337,265)
9/30/2023	(8,676,592)	(2,396,364)	(11,072,955)	(30,127)	(479,273)	(509,400)	(18,264,310)		(29,337,265)
10/31/2023	(8,646,465)	(1,917,091)	(10,563,556)	(30,127)	(479,273)	(509,400)	(18,773,709)		(29,337,265)
11/30/2023	(8,616,338)	(1,437,818)	(10,054,156)	(30,127)	(479,273)	(509,400)	(19,283,109)		(29,337,265)
12/31/2023	(8,586,210)	(958,546)	(9,544,756)	(30,127)	(479,273)	(509,400)	(19,792,509)		(29,337,265)
1/31/2024	(8,556,083)	(479,273)	(9,035,356)	(30,127)	(479,273)	(509,400)	(20,301,909)		(29,337,265)
2/29/2024	(8,525,956)	(0)	(8,525,956)	(30,127)	(479,273)	(509,400)	(20,811,309)		(29,337,265)
3/31/2024	(8,495,829)	(0)	(8,495,829)	(30,127)		(30,127)	(20,841,436)		(29,337,265)
4/30/2024	(8,465,702)	(0)	(8,465,702)	(30,127)		(30,127)	(20,871,563)		(29,337,265)
5/31/2024	(8,435,575)	(0)	(8,435,575)	(30,127)		(30,127)	(20,901,690)		(29,337,265)
6/30/2024	(8,405,448)	(0)	(8,405,448)	(30,127)		(30,127)	(20,931,817)		(29,337,265)
7/31/2024	(8,375,321)	(0)	(8,375,321)	(30,127)		(30,127)	(20,961,944)		(29,337,265)
8/31/2024	(8,345,194)	(0)	(8,345,194)	(30,127)		(30,127)	(20,992,071)		(29,337,265)
9/30/2024	(8,315,067)	(0)	(8,315,067)	(30,127)		(30,127)	(21,022,198)		(29,337,265)
10/31/2024	(8,284,940)	(0)	(8,284,940)	(30,127)		(30,127)	(21,052,325)		(29,337,265)
11/30/2024	(8,254,813)	(0)	(8,254,813)	(30,127)		(30,127)	(21,082,452)		(29,337,265)
12/31/2024	(8,224,686)	(0)	(8,224,686)	(30,127)		(30,127)	(21,112,579)		(29,337,265)
1/31/2025	(8,194,559)	(0)	(8,194,559)	(30,127)		(30,127)	(21,142,706)		(29,337,265)
2/28/2025	(8,164,432)	(0)	(8,164,432)	(30,127)		(30,127)	(21,172,833)		(29,337,265)
3/31/2025	(8,134,305)	(0)	(8,134,305)	(30,127)		(30,127)	(21,202,960)		(29,337,265)
4/30/2025	(8,104,178)	(0)	(8,104,178)	(30,127)		(30,127)	(21,233,087)		(29,337,265)
5/31/2025	(8,074,051)	(0)	(8,074,051)	(30,127)		(30,127)	(21,263,214)		(29,337,265)
6/30/2025	(8,043,924)	(0)	(8,043,924)	(30,127)		(30,127)	(21,293,341)		(29,337,265)
7/31/2025	(8,013,797)	(0)	(8,013,797)	(30,127)		(30,127)	(21,323,468)		(29,337,265)
8/31/2025	(7,983,670)	(0)	(7,983,670)	(30,127)		(30,127)	(21,353,595)		(29,337,265)
9/30/2025	(7,953,542)	(0)	(7,953,542)	(30,127)		(30,127)	(21,383,723)		(29,337,265)
10/31/2025	(7,923,415)	(0)	(7,923,415)	(30,127)		(30,127)	(21,413,850)		(29,337,265)
11/30/2025	(7,893,288)	(0)	(7,893,288)	(30,127)		(30,127)	(21,443,977)		(29,337,265)
12/31/2025	(7,863,161)	(0)	(7,863,161)	(30,127)		(30,127)	(21,474,104)		(29,337,265)
1/31/2026	(7,833,034)	(0)	(7,833,034)	(30,127)		(30,127)	(21,504,231)		(29,337,265)
2/28/2026	(7,802,907)	(0)	(7,802,907)	(30,127)		(30,127)	(21,534,358)		(29,337,265)
3/31/2026	(7,772,780)	(0)	(7,772,780)	(30,127)		(30,127)	(21,564,485)		(29,337,265)
4/30/2026	(7,742,653)	(0)	(7,742,653)	(30,127)		(30,127)	(21,594,612)		(29,337,265)
5/31/2026	(7,712,526)	(0)	(7,712,526)	(30,127)		(30,127)	(21,624,739)		(29,337,265)
6/30/2026	(7,682,399)	(0)	(7,682,399)	(30,127)		(30,127)	(21,654,866)		(29,337,265)
7/31/2026	(7,652,272)	(0)	(7,652,272)	(30,127)		(30,127)	(21,684,993)		(29,337,265)
8/31/2026	(7,622,145)	(0)	(7,622,145)	(30,127)		(30,127)	(21,715,120)		(29,337,265)
9/30/2026	(7,592,018)	(0)	(7,592,018)	(30,127)		(30,127)	(21,745,247)		(29,337,265)
10/31/2026	(7,561,891)	(0)	(7,561,891)	(30,127)		(30,127)	(21,775,374)		(29,337,265)
11/30/2026	(7,531,764)	(0)	(7,531,764)	(30,127)		(30,127)	(21,805,501)		(29,337,265)
12/31/2026	(7,501,637)	(0)	(7,501,637)	(30,127)		(30,127)	(21,835,628)		(29,337,265)
1/31/2027	(7,471,510)	(0)	(7,471,510)	(30,127)		(30,127)	(21,865,755)		(29,337,265)
2/28/2027	(7,441,383)	(0)	(7,441,383)	(30,127)		(30,127)	(21,895,882)		(29,337,265)

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Liability			Amortization				GL Balance	Reg liab vs GL diff	Total Reg Liab.
Protected Balance	Unprotected Balance	Total Reg Liability Balance	Protected	Unprotected	Accelerated Unprotected	Total Amortization	Cumulative Balance - Amortization		
3/31/2027	(7,411,256)	(0)	(7,411,256)	(30,127)		(30,127)	(21,926,009)		(29,337,265)
4/30/2027	(7,381,129)	(0)	(7,381,129)	(30,127)		(30,127)	(21,956,136)		(29,337,265)
5/31/2027	(7,351,001)	(0)	(7,351,001)	(30,127)		(30,127)	(21,986,264)		(29,337,265)
6/30/2027	(7,320,874)	(0)	(7,320,874)	(30,127)		(30,127)	(22,016,391)		(29,337,265)
7/31/2027	(7,290,747)	(0)	(7,290,747)	(30,127)		(30,127)	(22,046,518)		(29,337,265)
8/31/2027	(7,260,620)	(0)	(7,260,620)	(30,127)		(30,127)	(22,076,645)		(29,337,265)
9/30/2027	(7,230,493)	(0)	(7,230,493)	(30,127)		(30,127)	(22,106,772)		(29,337,265)
10/31/2027	(7,200,366)	(0)	(7,200,366)	(30,127)		(30,127)	(22,136,899)		(29,337,265)
11/30/2027	(7,170,239)	(0)	(7,170,239)	(30,127)		(30,127)	(22,167,026)		(29,337,265)
12/31/2027	(7,140,112)	(0)	(7,140,112)	(30,127)		(30,127)	(22,197,153)		(29,337,265)
1/31/2028	(7,109,985)	(0)	(7,109,985)	(30,127)		(30,127)	(22,227,280)		(29,337,265)
2/29/2028	(7,079,858)	(0)	(7,079,858)	(30,127)		(30,127)	(22,257,407)		(29,337,265)
3/31/2028	(7,049,731)	(0)	(7,049,731)	(30,127)		(30,127)	(22,287,534)		(29,337,265)
4/30/2028	(7,019,604)	(0)	(7,019,604)	(30,127)		(30,127)	(22,317,661)		(29,337,265)
5/31/2028	(6,989,477)	(0)	(6,989,477)	(30,127)		(30,127)	(22,347,788)		(29,337,265)
6/30/2028	(6,959,350)	(0)	(6,959,350)	(30,127)		(30,127)	(22,377,915)		(29,337,265)
7/31/2028	(6,929,223)	(0)	(6,929,223)	(30,127)		(30,127)	(22,408,042)		(29,337,265)
8/31/2028	(6,899,096)	(0)	(6,899,096)	(30,127)		(30,127)	(22,438,169)		(29,337,265)
9/30/2028	(6,868,969)	(0)	(6,868,969)	(30,127)		(30,127)	(22,468,296)		(29,337,265)
10/31/2028	(6,838,842)	(0)	(6,838,842)	(30,127)		(30,127)	(22,498,423)		(29,337,265)
11/30/2028	(6,808,715)	(0)	(6,808,715)	(30,127)		(30,127)	(22,528,550)		(29,337,265)
12/31/2028	(6,778,588)	(0)	(6,778,588)	(30,127)		(30,127)	(22,558,677)		(29,337,265)
1/31/2029	(6,748,461)	(0)	(6,748,461)	(30,127)		(30,127)	(22,588,804)		(29,337,265)
2/28/2029	(6,718,333)	(0)	(6,718,333)	(30,127)		(30,127)	(22,618,932)		(29,337,265)
3/31/2029	(6,688,206)	(0)	(6,688,206)	(30,127)		(30,127)	(22,649,059)		(29,337,265)
4/30/2029	(6,658,079)	(0)	(6,658,079)	(30,127)		(30,127)	(22,679,186)		(29,337,265)
5/31/2029	(6,627,952)	(0)	(6,627,952)	(30,127)		(30,127)	(22,709,313)		(29,337,265)
6/30/2029	(6,597,825)	(0)	(6,597,825)	(30,127)		(30,127)	(22,739,440)		(29,337,265)
7/31/2029	(6,567,698)	(0)	(6,567,698)	(30,127)		(30,127)	(22,769,567)		(29,337,265)
8/31/2029	(6,537,571)	(0)	(6,537,571)	(30,127)		(30,127)	(22,799,694)		(29,337,265)
9/30/2029	(6,507,444)	(0)	(6,507,444)	(30,127)		(30,127)	(22,829,821)		(29,337,265)
10/31/2029	(6,477,317)	(0)	(6,477,317)	(30,127)		(30,127)	(22,859,948)		(29,337,265)
11/30/2029	(6,447,190)	(0)	(6,447,190)	(30,127)		(30,127)	(22,890,075)		(29,337,265)
12/31/2029	(6,417,063)	(0)	(6,417,063)	(30,127)		(30,127)	(22,920,202)		(29,337,265)
1/31/2030	(6,386,936)	(0)	(6,386,936)	(30,127)		(30,127)	(22,950,329)		(29,337,265)
2/28/2030	(6,356,809)	(0)	(6,356,809)	(30,127)		(30,127)	(22,980,456)		(29,337,265)
3/31/2030	(6,326,682)	(0)	(6,326,682)	(30,127)		(30,127)	(23,010,583)		(29,337,265)
4/30/2030	(6,296,555)	(0)	(6,296,555)	(30,127)		(30,127)	(23,040,710)		(29,337,265)
5/31/2030	(6,266,428)	(0)	(6,266,428)	(30,127)		(30,127)	(23,070,837)		(29,337,265)
6/30/2030	(6,236,301)	(0)	(6,236,301)	(30,127)		(30,127)	(23,100,964)		(29,337,265)
7/31/2030	(6,206,174)	(0)	(6,206,174)	(30,127)		(30,127)	(23,131,091)		(29,337,265)
8/31/2030	(6,176,047)	(0)	(6,176,047)	(30,127)		(30,127)	(23,161,218)		(29,337,265)
9/30/2030	(6,145,920)	(0)	(6,145,920)	(30,127)		(30,127)	(23,191,345)		(29,337,265)
10/31/2030	(6,115,792)	(0)	(6,115,792)	(30,127)		(30,127)	(23,221,473)		(29,337,265)
11/30/2030	(6,085,665)	(0)	(6,085,665)	(30,127)		(30,127)	(23,251,600)		(29,337,265)
12/31/2030	(6,055,538)	(0)	(6,055,538)	(30,127)		(30,127)	(23,281,727)		(29,337,265)
1/31/2031	(6,025,411)	(0)	(6,025,411)	(30,127)		(30,127)	(23,311,854)		(29,337,265)
2/28/2031	(5,995,284)	(0)	(5,995,284)	(30,127)		(30,127)	(23,341,981)		(29,337,265)
3/31/2031	(5,965,157)	(0)	(5,965,157)	(30,127)		(30,127)	(23,372,108)		(29,337,265)
4/30/2031	(5,935,030)	(0)	(5,935,030)	(30,127)		(30,127)	(23,402,235)		(29,337,265)
5/31/2031	(5,904,903)	(0)	(5,904,903)	(30,127)		(30,127)	(23,432,362)		(29,337,265)
6/30/2031	(5,874,776)	(0)	(5,874,776)	(30,127)		(30,127)	(23,462,489)		(29,337,265)
7/31/2031	(5,844,649)	(0)	(5,844,649)	(30,127)		(30,127)	(23,492,616)		(29,337,265)

Tennessee Distribution System
Deferred Regulatory Liability Amortization

Date Rates Last Set:	6/1/2019	Reg Liability Currently in Rates:	29,024,530	Current Amortization Period (Years):	28
Date of Next Rate Implementation:	3/1/2021	Final Reg Liability	29,337,265	Final Amortization Period:	29
Final Amortization Month:	9/30/2047	Unprotected Balance:	18,853,052	Unprotected Amortization Period:	3
		Protected Balance:	10,484,213	Max. Monthly Protected Amortizatrion	\$ 30,127
		RTP	312,122		

	Liability			Amortization				GL Balance	Reg liab vs GL diff	Total Reg Liab.
	Protected Balance	Unprotected Balance	Total Reg Liability Balance	Protected	Unprotected	Accelerated Unprotected	Total Amortization	Cumulative Balance - Amortization		
8/31/2031	(5,814,522)	(0)	(5,814,522)	(30,127)			(30,127)	(23,522,743)		(29,337,265)
9/30/2031	(5,784,395)	(0)	(5,784,395)	(30,127)			(30,127)	(23,552,870)		(29,337,265)
10/31/2031	(5,754,268)	(0)	(5,754,268)	(30,127)			(30,127)	(23,582,997)		(29,337,265)
11/30/2031	(5,724,141)	(0)	(5,724,141)	(30,127)			(30,127)	(23,613,124)		(29,337,265)
12/31/2031	(5,694,014)	(0)	(5,694,014)	(30,127)			(30,127)	(23,643,251)		(29,337,265)
1/31/2032	(5,663,887)	(0)	(5,663,887)	(30,127)			(30,127)	(23,673,378)		(29,337,265)
2/29/2032	(5,633,760)	(0)	(5,633,760)	(30,127)			(30,127)	(23,703,505)		(29,337,265)
3/31/2032	(5,603,633)	(0)	(5,603,633)	(30,127)			(30,127)	(23,733,632)		(29,337,265)
4/30/2032	(5,573,506)	(0)	(5,573,506)	(30,127)			(30,127)	(23,763,759)		(29,337,265)
5/31/2032	(5,543,379)	(0)	(5,543,379)	(30,127)			(30,127)	(23,793,886)		(29,337,265)
6/30/2032	(5,513,252)	(0)	(5,513,252)	(30,127)			(30,127)	(23,824,013)		(29,337,265)
7/31/2032	(5,483,124)	(0)	(5,483,124)	(30,127)			(30,127)	(23,854,141)		(29,337,265)
8/31/2032	(5,452,997)	(0)	(5,452,997)	(30,127)			(30,127)	(23,884,268)		(29,337,265)
9/30/2032	(5,422,870)	(0)	(5,422,870)	(30,127)			(30,127)	(23,914,395)		(29,337,265)
10/31/2032	(5,392,743)	(0)	(5,392,743)	(30,127)			(30,127)	(23,944,522)		(29,337,265)
11/30/2032	(5,362,616)	(0)	(5,362,616)	(30,127)			(30,127)	(23,974,649)		(29,337,265)
12/31/2032	(5,332,489)	(0)	(5,332,489)	(30,127)			(30,127)	(24,004,776)		(29,337,265)
1/31/2033	(5,302,362)	(0)	(5,302,362)	(30,127)			(30,127)	(24,034,903)		(29,337,265)
2/28/2033	(5,272,235)	(0)	(5,272,235)	(30,127)			(30,127)	(24,065,030)		(29,337,265)
3/31/2033	(5,242,108)	(0)	(5,242,108)	(30,127)			(30,127)	(24,095,157)		(29,337,265)
4/30/2033	(5,211,981)	(0)	(5,211,981)	(30,127)			(30,127)	(24,125,284)		(29,337,265)
5/31/2033	(5,181,854)	(0)	(5,181,854)	(30,127)			(30,127)	(24,155,411)		(29,337,265)
6/30/2033	(5,151,727)	(0)	(5,151,727)	(30,127)			(30,127)	(24,185,538)		(29,337,265)
7/31/2033	(5,121,600)	(0)	(5,121,600)	(30,127)			(30,127)	(24,215,665)		(29,337,265)
8/31/2033	(5,091,473)	(0)	(5,091,473)	(30,127)			(30,127)	(24,245,792)		(29,337,265)
9/30/2033	(5,061,346)	(0)	(5,061,346)	(30,127)			(30,127)	(24,275,919)		(29,337,265)
10/31/2033	(5,031,219)	(0)	(5,031,219)	(30,127)			(30,127)	(24,306,046)		(29,337,265)
11/30/2033	(5,001,092)	(0)	(5,001,092)	(30,127)			(30,127)	(24,336,173)		(29,337,265)
12/31/2033	(4,970,965)	(0)	(4,970,965)	(30,127)			(30,127)	(24,366,300)		(29,337,265)
1/31/2034	(4,940,838)	(0)	(4,940,838)	(30,127)			(30,127)	(24,396,427)		(29,337,265)
2/28/2034	(4,910,711)	(0)	(4,910,711)	(30,127)			(30,127)	(24,426,554)		(29,337,265)
3/31/2034	(4,880,583)	(0)	(4,880,583)	(30,127)			(30,127)	(24,456,682)		(29,337,265)
4/30/2034	(4,850,456)	(0)	(4,850,456)	(30,127)			(30,127)	(24,486,809)		(29,337,265)
5/31/2034	(4,820,329)	(0)	(4,820,329)	(30,127)			(30,127)	(24,516,936)		(29,337,265)
6/30/2034	(4,790,202)	(0)	(4,790,202)	(30,127)			(30,127)	(24,547,063)		(29,337,265)
7/31/2034	(4,760,075)	(0)	(4,760,075)	(30,127)			(30,127)	(24,577,190)		(29,337,265)
8/31/2034	(4,729,948)	(0)	(4,729,948)	(30,127)			(30,127)	(24,607,317)		(29,337,265)
9/30/2034	(4,699,821)	(0)	(4,699,821)	(30,127)			(30,127)	(24,637,444)		(29,337,265)
10/31/2034	(4,669,694)	(0)	(4,669,694)	(30,127)			(30,127)	(24,667,571)		(29,337,265)
11/30/2034	(4,639,567)	(0)	(4,639,567)	(30,127)			(30,127)	(24,697,698)		(29,337,265)
12/31/2034	(4,609,440)	(0)	(4,609,440)	(30,127)			(30,127)	(24,727,825)		(29,337,265)
1/31/2035	(4,579,313)	(0)	(4,579,313)	(30,127)			(30,127)	(24,757,952)		(29,337,265)
2/28/2035	(4,549,186)	(0)	(4,549,186)	(30,127)			(30,127)	(24,788,079)		(29,337,265)
3/31/2035	(4,519,059)	(0)	(4,519,059)	(30,127)			(30,127)	(24,818,206)		(29,337,265)
4/30/2035	(4,488,932)	(0)	(4,488,932)	(30,127)			(30,127)	(24,848,333)		(29,337,265)
5/31/2035	(4,458,805)	(0)	(4,458,805)	(30,127)			(30,127)	(24,878,460)		(29,337,265)
6/30/2035	(4,428,678)	(0)	(4,428,678)	(30,127)			(30,127)	(24,908,587)		(29,337,265)
7/31/2035	(4,398,551)	(0)	(4,398,551)	(30,127)			(30,127)	(24,938,714)		(29,337,265)
8/31/2035	(4,368,424)	(0)	(4,368,424)	(30,127)			(30,127)	(24,968,841)		(29,337,265)
9/30/2035	(4,338,297)	(0)	(4,338,297)	(30,127)			(30,127)	(24,998,968)		(29,337,265)
10/31/2035	(4,308,170)	(0)	(4,308,170)	(30,127)			(30,127)	(25,029,095)		(29,337,265)
11/30/2035	(4,278,043)	(0)	(4,278,043)	(30,127)			(30,127)	(25,059,222)		(29,337,265)
12/31/2035	(4,247,915)	(0)	(4,247,915)	(30,127)			(30,127)	(25,089,350)		(29,337,265)

Tennessee Distribution System
Deferred Regulatory Liability Amortization

Date Rates Last Set:	6/1/2019	Reg Liability Currently in Rates:	29,024,530	Current Amortization Period (Years):	28
Date of Next Rate Implementation:	3/1/2021	Final Reg Liability	29,337,265	Final Amortization Period:	29
Final Amortization Month:	9/30/2047	Unprotected Balance:	18,853,052	Unprotected Amortization Period:	3
		Protected Balance:	10,484,213	Max. Monthly Protected Amortizatrion	\$ 30,127
		RTP	312,122		

	Liability			Amortization				Cumulative	GL Balance	Reg liab vs GL diff	Total Reg Liab.
	Protected Balance	Unprotected Balance	Total Reg Liability Balance	Protected	Unprotected	Accelerated Unprotected	Total Amortization	Balance - Amortization	Accts 2420- 27909, 2530- 27909		
1/31/2036	(4,217,788)	(0)	(4,217,788)	(30,127)			(30,127)	(25,119,477)			(29,337,265)
2/29/2036	(4,187,661)	(0)	(4,187,661)	(30,127)			(30,127)	(25,149,604)			(29,337,265)
3/31/2036	(4,157,534)	(0)	(4,157,534)	(30,127)			(30,127)	(25,179,731)			(29,337,265)
4/30/2036	(4,127,407)	(0)	(4,127,407)	(30,127)			(30,127)	(25,209,858)			(29,337,265)
5/31/2036	(4,097,280)	(0)	(4,097,280)	(30,127)			(30,127)	(25,239,985)			(29,337,265)
6/30/2036	(4,067,153)	(0)	(4,067,153)	(30,127)			(30,127)	(25,270,112)			(29,337,265)
7/31/2036	(4,037,026)	(0)	(4,037,026)	(30,127)			(30,127)	(25,300,239)			(29,337,265)
8/31/2036	(4,006,899)	(0)	(4,006,899)	(30,127)			(30,127)	(25,330,366)			(29,337,265)
9/30/2036	(3,976,772)	(0)	(3,976,772)	(30,127)			(30,127)	(25,360,493)			(29,337,265)
10/31/2036	(3,946,645)	(0)	(3,946,645)	(30,127)			(30,127)	(25,390,620)			(29,337,265)
11/30/2036	(3,916,518)	(0)	(3,916,518)	(30,127)			(30,127)	(25,420,747)			(29,337,265)
12/31/2036	(3,886,391)	(0)	(3,886,391)	(30,127)			(30,127)	(25,450,874)			(29,337,265)
1/31/2037	(3,856,264)	(0)	(3,856,264)	(30,127)			(30,127)	(25,481,001)			(29,337,265)
2/28/2037	(3,826,137)	(0)	(3,826,137)	(30,127)			(30,127)	(25,511,128)			(29,337,265)
3/31/2037	(3,796,010)	(0)	(3,796,010)	(30,127)			(30,127)	(25,541,255)			(29,337,265)
4/30/2037	(3,765,883)	(0)	(3,765,883)	(30,127)			(30,127)	(25,571,382)			(29,337,265)
5/31/2037	(3,735,756)	(0)	(3,735,756)	(30,127)			(30,127)	(25,601,509)			(29,337,265)
6/30/2037	(3,705,629)	(0)	(3,705,629)	(30,127)			(30,127)	(25,631,636)			(29,337,265)
7/31/2037	(3,675,502)	(0)	(3,675,502)	(30,127)			(30,127)	(25,661,763)			(29,337,265)
8/31/2037	(3,645,374)	(0)	(3,645,374)	(30,127)			(30,127)	(25,691,891)			(29,337,265)
9/30/2037	(3,615,247)	(0)	(3,615,247)	(30,127)			(30,127)	(25,722,018)			(29,337,265)
10/31/2037	(3,585,120)	(0)	(3,585,120)	(30,127)			(30,127)	(25,752,145)			(29,337,265)
11/30/2037	(3,554,993)	(0)	(3,554,993)	(30,127)			(30,127)	(25,782,272)			(29,337,265)
12/31/2037	(3,524,866)	(0)	(3,524,866)	(30,127)			(30,127)	(25,812,399)			(29,337,265)
1/31/2038	(3,494,739)	(0)	(3,494,739)	(30,127)			(30,127)	(25,842,526)			(29,337,265)
2/28/2038	(3,464,612)	(0)	(3,464,612)	(30,127)			(30,127)	(25,872,653)			(29,337,265)
3/31/2038	(3,434,485)	(0)	(3,434,485)	(30,127)			(30,127)	(25,902,780)			(29,337,265)
4/30/2038	(3,404,358)	(0)	(3,404,358)	(30,127)			(30,127)	(25,932,907)			(29,337,265)
5/31/2038	(3,374,231)	(0)	(3,374,231)	(30,127)			(30,127)	(25,963,034)			(29,337,265)
6/30/2038	(3,344,104)	(0)	(3,344,104)	(30,127)			(30,127)	(25,993,161)			(29,337,265)
7/31/2038	(3,313,977)	(0)	(3,313,977)	(30,127)			(30,127)	(26,023,288)			(29,337,265)
8/31/2038	(3,283,850)	(0)	(3,283,850)	(30,127)			(30,127)	(26,053,415)			(29,337,265)
9/30/2038	(3,253,723)	(0)	(3,253,723)	(30,127)			(30,127)	(26,083,542)			(29,337,265)
10/31/2038	(3,223,596)	(0)	(3,223,596)	(30,127)			(30,127)	(26,113,669)			(29,337,265)
11/30/2038	(3,193,469)	(0)	(3,193,469)	(30,127)			(30,127)	(26,143,796)			(29,337,265)
12/31/2038	(3,163,342)	(0)	(3,163,342)	(30,127)			(30,127)	(26,173,923)			(29,337,265)
1/31/2039	(3,133,215)	(0)	(3,133,215)	(30,127)			(30,127)	(26,204,050)			(29,337,265)
2/28/2039	(3,103,088)	(0)	(3,103,088)	(30,127)			(30,127)	(26,234,177)			(29,337,265)
3/31/2039	(3,072,961)	(0)	(3,072,961)	(30,127)			(30,127)	(26,264,304)			(29,337,265)
4/30/2039	(3,042,833)	(0)	(3,042,833)	(30,127)			(30,127)	(26,294,432)			(29,337,265)
5/31/2039	(3,012,706)	(0)	(3,012,706)	(30,127)			(30,127)	(26,324,559)			(29,337,265)
6/30/2039	(2,982,579)	(0)	(2,982,579)	(30,127)			(30,127)	(26,354,686)			(29,337,265)
7/31/2039	(2,952,452)	(0)	(2,952,452)	(30,127)			(30,127)	(26,384,813)			(29,337,265)
8/31/2039	(2,922,325)	(0)	(2,922,325)	(30,127)			(30,127)	(26,414,940)			(29,337,265)
9/30/2039	(2,892,198)	(0)	(2,892,198)	(30,127)			(30,127)	(26,445,067)			(29,337,265)
10/31/2039	(2,862,071)	(0)	(2,862,071)	(30,127)			(30,127)	(26,475,194)			(29,337,265)
11/30/2039	(2,831,944)	(0)	(2,831,944)	(30,127)			(30,127)	(26,505,321)			(29,337,265)
12/31/2039	(2,801,817)	(0)	(2,801,817)	(30,127)			(30,127)	(26,535,448)			(29,337,265)
1/31/2040	(2,771,690)	(0)	(2,771,690)	(30,127)			(30,127)	(26,565,575)			(29,337,265)
2/29/2040	(2,741,563)	(0)	(2,741,563)	(30,127)			(30,127)	(26,595,702)			(29,337,265)
3/31/2040	(2,711,436)	(0)	(2,711,436)	(30,127)			(30,127)	(26,625,829)			(29,337,265)
4/30/2040	(2,681,309)	(0)	(2,681,309)	(30,127)			(30,127)	(26,655,956)			(29,337,265)
5/31/2040	(2,651,182)	(0)	(2,651,182)	(30,127)			(30,127)	(26,686,083)			(29,337,265)

Tennessee Distribution System
Deferred Regulatory Liability Amortization

Date Rates Last Set:	6/1/2019	Reg Liability Currently in Rates:	29,024,530	Current Amortization Period (Years):	28
Date of Next Rate Implementation:	3/1/2021	Final Reg Liability	29,337,265	Final Amortization Period:	29
Final Amortization Month:	9/30/2047	Unprotected Balance:	18,853,052	Unprotected Amortization Period:	3
		Protected Balance:	10,484,213	Max. Monthly Protected Amortizatrion	\$ 30,127

	Liability			Amortization				GL Balance	Reg liab vs GL diff	Total Reg Liab.
	Protected Balance	Unprotected Balance	Total Reg Liability Balance	Protected	Unprotected	Accelerated Unprotected	Total Amortization	Cumulative Balance - Amortization		
6/30/2040	(2,621,055)	(0)	(2,621,055)	(30,127)			(30,127)	(26,716,210)		(29,337,265)
7/31/2040	(2,590,928)	(0)	(2,590,928)	(30,127)			(30,127)	(26,746,337)		(29,337,265)
8/31/2040	(2,560,801)	(0)	(2,560,801)	(30,127)			(30,127)	(26,776,464)		(29,337,265)
9/30/2040	(2,530,674)	(0)	(2,530,674)	(30,127)			(30,127)	(26,806,591)		(29,337,265)
10/31/2040	(2,500,547)	(0)	(2,500,547)	(30,127)			(30,127)	(26,836,718)		(29,337,265)
11/30/2040	(2,470,420)	(0)	(2,470,420)	(30,127)			(30,127)	(26,866,845)		(29,337,265)
12/31/2040	(2,440,293)	(0)	(2,440,293)	(30,127)			(30,127)	(26,896,972)		(29,337,265)
1/31/2041	(2,410,165)	(0)	(2,410,165)	(30,127)			(30,127)	(26,927,100)		(29,337,265)
2/28/2041	(2,380,038)	(0)	(2,380,038)	(30,127)			(30,127)	(26,957,227)		(29,337,265)
3/31/2041	(2,349,911)	(0)	(2,349,911)	(30,127)			(30,127)	(26,987,354)		(29,337,265)
4/30/2041	(2,319,784)	(0)	(2,319,784)	(30,127)			(30,127)	(27,017,481)		(29,337,265)
5/31/2041	(2,289,657)	(0)	(2,289,657)	(30,127)			(30,127)	(27,047,608)		(29,337,265)
6/30/2041	(2,259,530)	(0)	(2,259,530)	(30,127)			(30,127)	(27,077,735)		(29,337,265)
7/31/2041	(2,229,403)	(0)	(2,229,403)	(30,127)			(30,127)	(27,107,862)		(29,337,265)
8/31/2041	(2,199,276)	(0)	(2,199,276)	(30,127)			(30,127)	(27,137,989)		(29,337,265)
9/30/2041	(2,169,149)	(0)	(2,169,149)	(30,127)			(30,127)	(27,168,116)		(29,337,265)
10/31/2041	(2,139,022)	(0)	(2,139,022)	(30,127)			(30,127)	(27,198,243)		(29,337,265)
11/30/2041	(2,108,895)	(0)	(2,108,895)	(30,127)			(30,127)	(27,228,370)		(29,337,265)
12/31/2041	(2,078,768)	(0)	(2,078,768)	(30,127)			(30,127)	(27,258,497)		(29,337,265)
1/31/2042	(2,048,641)	(0)	(2,048,641)	(30,127)			(30,127)	(27,288,624)		(29,337,265)
2/28/2042	(2,018,514)	(0)	(2,018,514)	(30,127)			(30,127)	(27,318,751)		(29,337,265)
3/31/2042	(1,988,387)	(0)	(1,988,387)	(30,127)			(30,127)	(27,348,878)		(29,337,265)
4/30/2042	(1,958,260)	(0)	(1,958,260)	(30,127)			(30,127)	(27,379,005)		(29,337,265)
5/31/2042	(1,928,133)	(0)	(1,928,133)	(30,127)			(30,127)	(27,409,132)		(29,337,265)
6/30/2042	(1,898,006)	(0)	(1,898,006)	(30,127)			(30,127)	(27,439,259)		(29,337,265)
7/31/2042	(1,867,879)	(0)	(1,867,879)	(30,127)			(30,127)	(27,469,386)		(29,337,265)
8/31/2042	(1,837,752)	(0)	(1,837,752)	(30,127)			(30,127)	(27,499,513)		(29,337,265)
9/30/2042	(1,807,624)	(0)	(1,807,624)	(30,127)			(30,127)	(27,529,641)		(29,337,265)
10/31/2042	(1,777,497)	(0)	(1,777,497)	(30,127)			(30,127)	(27,559,768)		(29,337,265)
11/30/2042	(1,747,370)	(0)	(1,747,370)	(30,127)			(30,127)	(27,589,895)		(29,337,265)
12/31/2042	(1,717,243)	(0)	(1,717,243)	(30,127)			(30,127)	(27,620,022)		(29,337,265)
1/31/2043	(1,687,116)	(0)	(1,687,116)	(30,127)			(30,127)	(27,650,149)		(29,337,265)
2/28/2043	(1,656,989)	(0)	(1,656,989)	(30,127)			(30,127)	(27,680,276)		(29,337,265)
3/31/2043	(1,626,862)	(0)	(1,626,862)	(30,127)			(30,127)	(27,710,403)		(29,337,265)
4/30/2043	(1,596,735)	(0)	(1,596,735)	(30,127)			(30,127)	(27,740,530)		(29,337,265)
5/31/2043	(1,566,608)	(0)	(1,566,608)	(30,127)			(30,127)	(27,770,657)		(29,337,265)
6/30/2043	(1,536,481)	(0)	(1,536,481)	(30,127)			(30,127)	(27,800,784)		(29,337,265)
7/31/2043	(1,506,354)	(0)	(1,506,354)	(30,127)			(30,127)	(27,830,911)		(29,337,265)
8/31/2043	(1,476,227)	(0)	(1,476,227)	(30,127)			(30,127)	(27,861,038)		(29,337,265)
9/30/2043	(1,446,100)	(0)	(1,446,100)	(30,127)			(30,127)	(27,891,165)		(29,337,265)
10/31/2043	(1,415,973)	(0)	(1,415,973)	(30,127)			(30,127)	(27,921,292)		(29,337,265)
11/30/2043	(1,385,846)	(0)	(1,385,846)	(30,127)			(30,127)	(27,951,419)		(29,337,265)
12/31/2043	(1,355,719)	(0)	(1,355,719)	(30,127)			(30,127)	(27,981,546)		(29,337,265)
1/31/2044	(1,325,592)	(0)	(1,325,592)	(30,127)			(30,127)	(28,011,673)		(29,337,265)
2/29/2044	(1,295,465)	(0)	(1,295,465)	(30,127)			(30,127)	(28,041,800)		(29,337,265)
3/31/2044	(1,265,338)	(0)	(1,265,338)	(30,127)			(30,127)	(28,071,927)		(29,337,265)
4/30/2044	(1,235,211)	(0)	(1,235,211)	(30,127)			(30,127)	(28,102,054)		(29,337,265)
5/31/2044	(1,205,084)	(0)	(1,205,084)	(30,127)			(30,127)	(28,132,181)		(29,337,265)
6/30/2044	(1,174,956)	(0)	(1,174,956)	(30,127)			(30,127)	(28,162,309)		(29,337,265)
7/31/2044	(1,144,829)	(0)	(1,144,829)	(30,127)			(30,127)	(28,192,436)		(29,337,265)
8/31/2044	(1,114,702)	(0)	(1,114,702)	(30,127)			(30,127)	(28,222,563)		(29,337,265)
9/30/2044	(1,084,575)	(0)	(1,084,575)	(30,127)			(30,127)	(28,252,690)		(29,337,265)
10/31/2044	(1,054,448)	(0)	(1,054,448)	(30,127)			(30,127)	(28,282,817)		(29,337,265)

Tennessee Distribution System
Deferred Regulatory Liability Amortization

Date Rates Last Set:	6/1/2019	Reg Liability Currently in Rates:	29,024,530	Current Amortization Period (Years):	28
Date of Next Rate Implementation:	3/1/2021	Final Reg Liability	29,337,265	Final Amortization Period:	29
Final Amortization Month:	9/30/2047	Unprotected Balance:	18,853,052	Unprotected Amortization Period:	3
		Protected Balance:	10,484,213	Max. Monthly Protected Amortizatrion	\$ 30,127
		RTP	312,122		

	Liability			Amortization					GL Balance	Reg liab vs GL diff	Total Reg Liab.
	Protected Balance	Unprotected Balance	Total Reg Liability Balance	Protected	Unprotected	Accelerated Unprotected	Total Amortization	Cumulative Balance - Amortization	Accts 2420- 27909, 2530- 27909		
11/30/2044	(1,024,321)	(0)	(1,024,321)	(30,127)			(30,127)	(28,312,944)			(29,337,265)
12/31/2044	(994,194)	(0)	(994,194)	(30,127)			(30,127)	(28,343,071)			(29,337,265)
1/31/2045	(964,067)	(0)	(964,067)	(30,127)			(30,127)	(28,373,198)			(29,337,265)
2/28/2045	(933,940)	(0)	(933,940)	(30,127)			(30,127)	(28,403,325)			(29,337,265)
3/31/2045	(903,813)	(0)	(903,813)	(30,127)			(30,127)	(28,433,452)			(29,337,265)
4/30/2045	(873,686)	(0)	(873,686)	(30,127)			(30,127)	(28,463,579)			(29,337,265)
5/31/2045	(843,559)	(0)	(843,559)	(30,127)			(30,127)	(28,493,706)			(29,337,265)
6/30/2045	(813,432)	(0)	(813,432)	(30,127)			(30,127)	(28,523,833)			(29,337,265)
7/31/2045	(783,305)	(0)	(783,305)	(30,127)			(30,127)	(28,553,960)			(29,337,265)
8/31/2045	(753,178)	(0)	(753,178)	(30,127)			(30,127)	(28,584,087)			(29,337,265)
9/30/2045	(723,051)	(0)	(723,051)	(30,127)			(30,127)	(28,614,214)			(29,337,265)
10/31/2045	(692,924)	(0)	(692,924)	(30,127)			(30,127)	(28,644,341)			(29,337,265)
11/30/2045	(662,797)	(0)	(662,797)	(30,127)			(30,127)	(28,674,468)			(29,337,265)
12/31/2045	(632,670)	(0)	(632,670)	(30,127)			(30,127)	(28,704,595)			(29,337,265)
1/31/2046	(602,543)	(0)	(602,543)	(30,127)			(30,127)	(28,734,722)			(29,337,265)
2/28/2046	(572,415)	(0)	(572,415)	(30,127)			(30,127)	(28,764,850)			(29,337,265)
3/31/2046	(542,288)	(0)	(542,288)	(30,127)			(30,127)	(28,794,977)			(29,337,265)
4/30/2046	(512,161)	(0)	(512,161)	(30,127)			(30,127)	(28,825,104)			(29,337,265)
5/31/2046	(482,034)	(0)	(482,034)	(30,127)			(30,127)	(28,855,231)			(29,337,265)
6/30/2046	(451,907)	(0)	(451,907)	(30,127)			(30,127)	(28,885,358)			(29,337,265)
7/31/2046	(421,780)	(0)	(421,780)	(30,127)			(30,127)	(28,915,485)			(29,337,265)
8/31/2046	(391,653)	(0)	(391,653)	(30,127)			(30,127)	(28,945,612)			(29,337,265)
9/30/2046	(361,526)	(0)	(361,526)	(30,127)			(30,127)	(28,975,739)			(29,337,265)
10/31/2046	(331,399)	(0)	(331,399)	(30,127)			(30,127)	(29,005,866)			(29,337,265)
11/30/2046	(301,272)	(0)	(301,272)	(30,127)			(30,127)	(29,035,993)			(29,337,265)
12/31/2046	(271,145)	(0)	(271,145)	(30,127)			(30,127)	(29,066,120)			(29,337,265)
1/31/2047	(241,018)	(0)	(241,018)	(30,127)			(30,127)	(29,096,247)			(29,337,265)
2/28/2047	(210,891)	(0)	(210,891)	(30,127)			(30,127)	(29,126,374)			(29,337,265)
3/31/2047	(180,764)	(0)	(180,764)	(30,127)			(30,127)	(29,156,501)			(29,337,265)
4/30/2047	(150,637)	(0)	(150,637)	(30,127)			(30,127)	(29,186,628)			(29,337,265)
5/31/2047	(120,510)	(0)	(120,510)	(30,127)			(30,127)	(29,216,755)			(29,337,265)
6/30/2047	(90,383)	(0)	(90,383)	(30,127)			(30,127)	(29,246,882)			(29,337,265)
7/31/2047	(60,256)	(0)	(60,256)	(30,127)			(30,127)	(29,277,009)			(29,337,265)
8/31/2047	(30,129)	(0)	(30,129)	(30,127)			(30,127)	(29,307,136)			(29,337,265)
9/30/2047	(2)	(0)	(2)	(30,127)			(30,127)	(29,337,263)			(29,337,265)
Total Amortized from 10/15/2018 - 09/30/2047				(10,484,211)	(1,599,233)	(17,253,819)	(29,337,263)				-