

DOCKETED	
Docket Number:	22-BSTD-04
Project Title:	2022 Energy Code Photovoltaic and Battery Storage Cost Effectiveness Determinations
TN #:	250189
Document Title:	Trinity Public Utilities District Resources Letter from WAPA
Description:	N/A
Filer:	Muhammad Faisal Saeed
Organization:	Western Area Power Administration
Submitter Role:	Public
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Docketed Date:	5/17/2023



Department of Energy
Western Area Power Administration
Sierra Nevada Region
114 Parkshore Drive
Folsom, CA 95630-4710

To All Central Valley Project Preference Customers and Interested Parties:

Effective October 1, 2022, the Fiscal Year (FY) 2023 Power Revenue Requirement (PRR) is \$67,883,781, a \$1,916,996 decrease from FY 2022. Please see the enclosed FY 2022 to FY 2023 PRR comparison worksheet for details.

In accordance with Rate Order No. WAPA-185 and Rate Schedule CV-F13, the table below shows the PRR allocation between Base Resource (BR) and First Preference (FP) revenue requirements, FP percentages, and BR billing requirements. FP is billed in equal installments.

Rate Category	FY 2023 Annual Revenue Requirements
Power Revenue Requirement	\$67,883,781
Base Resource Revenue Requirement	\$61,122,556
First Preference Revenue Requirement	\$6,761,225
First Preference Customers	First Preference Percentages
Calaveras Public Power Agency	1.45%
Chicken Ranch Rancheria	0.18%
Sierra Conservation Center	0.40%
Trinity Public Utilities District	6.01%
Tuolumne Public Power Agency	1.92%
Total FP Customers	9.96%
Base Resource Monthly Billing	Base Resource Monthly Billed Amount
October through March: 25% collection	\$2,546,773
April through September: 75% collection	\$7,640,320

As a reminder, revenue requirements and FP percentages are based on estimated financial and operational data. WAPA will review estimates in March and adjust rates, if necessary. Billing adjustments from the FP percentage true-up will occur in FY 2025. All rates are posted at: <https://www.wapa.gov/regions/SN/rates>.

If you have any questions, please contact me at (916) 353-4686 or wolfe@wapa.gov.

Sincerely,

Autumn Wolfe
Rates Manager

Enclosure:



Sierra Nevada Region

Initial FY 2023 Power Revenue Requirement

	FY 2022 PRR		FY 2023 PRR		Difference		
	Expenses	Revenues	Expenses	Revenues	Expenses	Revenues	NET (exp - rev)
O&M Expense: /1							
Reclamation O&M	\$53,908,393		\$54,482,444		\$574,051		\$574,051
WAPA O&M	\$68,616,844		\$74,224,977		\$5,608,133		\$5,608,133
Total O&M Expense	\$122,525,237		\$128,707,421		\$6,182,184		\$6,182,184
Purchase Power Expense:							
Custom Product and Supplemental Power /2	\$184,662,905	\$184,662,905	\$192,111,832	\$192,111,832	\$7,448,927	\$7,448,927	\$0
Host Balancing Authority (HBA) Costs /3	\$2,928,919	\$0	\$3,037,852	\$0	\$108,933	\$0	\$108,933
Purchases for Project Use customers /4	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Washoe Cost for BR /5	\$246,000	\$0	\$248,400	\$0	\$2,400	\$0	\$2,400
Total Purchase Power Expense/Revenue	\$187,837,824	\$184,662,905	\$195,398,084	\$192,111,832	\$7,560,260	\$7,448,927	\$111,333
Interest Expense: /6							
Total Interest Expense	\$10,113,165		\$8,433,172		(\$1,679,993)	\$0	(\$1,679,993)
Other Expenses: /7							
Total Other Expenses	\$2,969,774		\$3,486,200		\$516,426	\$0	\$516,426
Project Repayment (Expense):							
Total Project Repayment	\$2,000,000		\$2,550,000		\$550,000	\$0	\$550,000
Other Pass-through Expenses & Revenues:							
CAISO Market & GMC Charges Project Use (WPUL) /8	\$7,645,993	\$0	\$5,410,306	\$0	(\$2,235,687)	\$0	(\$2,235,687)
CAISO Expenses & Revenues /9	\$34,947,882	\$34,700,645	\$38,429,344	\$38,196,166	\$3,481,462	\$3,495,521	(\$14,059)
PG&E costs incurred for Wheeling /10	\$15,966,291	\$11,899,413	\$52,646,078	\$42,643,323	\$36,679,787	\$30,743,910	\$5,935,877
PATH 15 revenues and expenses	\$12,000	\$12,000	\$12,000	\$12,000	\$0	\$0	\$0
Purchases and Sales for SBA	\$6,350,195	\$8,786,762	\$6,696,980	\$9,238,988	\$346,785	\$452,226	(\$105,441)
Resource Adequacy (Local and Flexible)	\$12,856,673	\$10,454,096	\$14,643,054	\$11,576,507	\$1,786,382	\$1,122,412	\$663,970
Total Other Pass-through Expense/Revenue	\$77,779,033	\$65,852,915	\$117,837,762	\$101,666,984	\$40,058,729	\$35,814,069	\$4,244,660
Other Revenues: /11							
Non-firm energy sales		\$0		\$0	\$0	\$0	\$0
Miscellaneous Revenues		\$44,625,322		\$60,337,671	\$0	\$15,712,349	(\$15,712,349)
SC, PM, and VRC Admin Fees /12		\$3,267,950		\$2,601,982	\$0	(\$665,968)	\$665,968
Ancillary Service Sales to IOA SCA Members /13		\$6,615,163		\$2,710,388	\$0	(\$3,904,775)	\$3,904,775
Total Other Revenues		\$54,508,435		\$65,650,041	\$0	\$11,141,606	(\$11,141,606)
Project Use Revenues: /14							
Total Project Use Revenues		\$28,400,000		\$29,100,000	\$0	\$700,000	(\$700,000)
Transmission Revenues: /15							
Total Transmission Revenues		\$0		\$0	\$0	\$0	\$0
Total Expenses & Revenues	\$403,225,033	\$333,424,256	\$456,412,638	\$388,528,857	\$53,187,605	\$55,104,601	(\$1,916,996)
PRR Summary:	FY 2022 PRR		FY 2023 PRR		Difference		
Total Expenses	\$401,225,033		\$453,862,638		\$52,637,605		
add: Project Repayment	\$2,000,000		\$2,550,000		\$550,000		
	\$403,225,033		\$456,412,638		\$53,187,605		
less: Total Revenues	(\$333,424,256)		(\$388,528,857)		(\$55,104,601)		
Power Revenue Requirement	\$69,800,777		\$67,883,781		(\$1,916,996)		

Footnotes:

- /1 USBR and WAPA's O&M is based on updated budget and forecasted data.
- /2 Estimates for Custom Product and Supplemental Power costs are based on WAPA's Purchase Power budget.
- /3 Host Balancing Authority (HBA) charges reflect the most current contract agreement, with a 2% increase as seen from 2021-2022.
- /4 Currently, there are no planned forward power purchases for Project Use Customers.
- /5 Based on the most current Washoe Project Power Repayment Study data.
- /6 The FY23 PRR interest expense reflects the FY22 adjustment to interest expense due to the results of the CVP Final Cost Allocation Study capital adjustment for Commercial Power. The interest reduction resulted in lower unpaid capital and interest expense.
- /7 Other Expenses are based on historical and projected data.
- /8 CAISO expenses for Project Use are derived based on current historical data.
- /9 CAISO revenues and expenses are derived based on current historical data (excludes Project Use).
- /10 These estimates reflect projected rates with PG&E's Wholesale Distribution Tariff (WDT) service.
- /11 Other Revenues are based on historical and projected data.
- /12 Revenues reflect historical and forecasted data to account for changes in rates and contract charges.
- /13 Ancillary Service sales is based on historical data and forecasted rates.
- /14 Project use revenues are based on the Project Use estimate.
- /15 Transmission revenues, included in miscellaneous revenues, are based on actual and forecasted data.

JUN 7 2019

Mr. Paul Hauser
General Manager
Trinity Public Utilities District
26 Ponderosa Lane
Weaverville, CA 96093

Dear Mr. Hauser:

Pursuant to Section VI.A of the Western Area Power Administration's 2004 Power Marketing Plan (64 FR 34417) for the Sierra Nevada Region (Marketing Plan), we have recalculated the Maximum Entitlement of First Preference Customers (MEFPC) in Trinity County for the period January 1, 2020 through December 31, 2024.

The current MEFPC from the Trinity River Division is 361,500 MWh. Upon recalculation, the Trinity River Division MEFPC was determined to be 302,600 MWh, a difference of 58,900 MWh. Section VI.B of the Marketing Plan states:

"Upon recalculation, if the MEFPC from a first preference project is 10 percent above or below the currently effective MEFPC from that first preference project, the MEFPC will be adjusted to reflect that increase or decrease."

The enclosed recalculation resulted in a 16 percent change to the MEFPC. Therefore, effective January 1, 2020, the MEFPC for First Preference Customers located in Trinity County will be 302,600 MWh.

If you have any questions with regard to the above, please contact Sandee Peebles at (916) 353-4454.

Sincerely,

ORIGINAL SIGNED BY

Arun K. Sethi
Power Marketing Manager

Enclosure

bcc: N0000, N6000, N6200, N6400, N6213 (RF OF

N6213:SPeebles:x4454:06/04/19
Peebles/1stpref/tpud mefpc 19604

Total Trinity River Division Historical Monthly Net Generation at Plant

MEFPC

302.6

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	GWH
1999	153.6	97.8	147.8	145.2	168.8	221.9	241.2	164.5	156.8	56.2	63.1	76.3	1,693.4
2000	100.8	158.1	216.3	156.0	250.1	266.2	297.0	300.4	154.4	29.7	29.5	51.8	2,010.3
2001	58.7	55.7	46.3	44.3	76.0	160.4	244.7	234.9	158.8	166.5	11.4	11.5	1,269.2
2002	38.7	20.7	21.3	46.5	125.2	174.1	207.1	203.0	101.4	110.8	25.4	51.8	1,126.0
2003	54.4	112.8	112.4	61.1	195.6	207.0	170.1	238.6	222.0	189.0	77.6	47.0	1,687.7
2004	51.5	79.1	251.9	202.7	110.3	196.3	223.9	147.7	157.7	236.3	11.8	18.9	1,688.3
2005	20.6	22.5	41.8	32.8	124.8	112.0	109.0	123.8	111.6	81.7	125.5	122.0	1,028.1
2006	188.2	231.1	169.1	156.1	324.8	269.4	214.1	220.3	234.0	45.8	42.5	70.2	2,165.7
2007	41.8	20.0	12.4	54.1	113.4	129.1	207.4	154.0	91.9	64.9	86.0	11.1	986.3
2008	20.7	23.7	13.5	41.1	85.3	129.3	164.5	163.0	154.3	143.1	98.2	23.1	1,059.8
2009	14.6	30.0	34.8	47.4	77.8	60.4	143.8	136.8	115.4	12.6	12.0	11.6	697.3
2010	38.0	59.5	29.5	32.5	85.1	90.0	130.0	123.2	106.3	130.7	19.2	28.5	872.3
2011	22.2	16.8	49.2	53.3	91.9	177.0	178.4	141.5	159.0	167.7	148.4	64.3	1,269.6
2012	16.0	66.1	79.0	58.8	101.0	144.9	167.7	166.6	151.3	86.6	27.3	78.4	1,143.7
2013	39.0	11.7	13.1	65.8	143.7	269.7	291.1	214.3	102.1	94.8	12.6	21.3	1,279.2
2014	20.7	11.5	29.8	91.5	62.8	144.1	240.0	174.8	35.4	68.6	25.1	39.1	943.3
2015	12.6	34.6	10.1	43.4	52.0	101.4	121.9	133.2	104.3	34.9	12.6	24.4	685.5
2016	41.0	19.0	47.6	20.0	69.0	89.4	123.1	92.8	67.6	29.7	20.4	34.7	654.4
2017	54.5	72.3	126.4	66.3	224.2	193.7	183.1	144.0	115.1	50.9	25.1	27.3	1,282.9
2018	26.1	21.4	24.5	51.4	60.9	143.5	144.3	47.8	52.3	30.0	29.7	29.2	661.1
Total	1,013.8	1,164.4	1,476.7	1,470.6	2,542.9	3,279.9	3,802.3	3,325.1	2,551.6	1,830.7	903.4	842.6	24,204.0
Average	50.7	58.2	73.8	73.5	127.1	164.0	190.1	166.3	127.6	91.5	45.2	42.1	1,210.2
Max	188.2	231.1	251.9	202.7	324.8	269.7	297.0	300.4	234.0	236.3	148.4	122.0	2,165.7
Min	12.6	11.5	10.1	20.0	52.0	60.4	109.0	47.8	35.4	12.6	11.4	11.1	654.4

Spring Creek	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	GWH
1999	51.5	42.5	65.7	51.2	50.6	69.2	76.6	50.8	46.9	15.7	22.1	20.5	563.3
2000	40.0	90.9	77.0	60.4	81.2	86.9	100.0	104.6	59.8	14.9	1.5	7.5	724.7
2001	15.5	32.5	36.8	2.8	11.6	47.4	82.1	79.5	56.0	61.5	-0.1	2.6	428.1
2002	33.6	11.4	8.6	2.0	21.0	53.1	67.7	67.3	29.5	40.8	6.4	41.3	382.7
2003	40.1	41.6	45.3	23.6	58.0	55.3	47.1	77.5	70.4	62.9	32.5	22.4	576.6
2004	25.5	53.5	100.6	64.8	9.9	45.5	68.5	46.1	48.5	83.9	4.2	11.7	562.7
2005	12.5	13.5	32.0	2.9	31.5	24.8	26.8	36.0	35.8	32.2	40.4	56.0	344.4
2006	71.3	88.4	84.7	83.3	124.6	93.4	67.0	74.1	80.0	21.7	10.5	23.1	822.2
2007	10.2	9.0	2.7	1.7	15.2	36.3	69.4	48.6	26.0	27.0	23.6	2.1	271.6
2008	13.1	16.7	5.5	0.3	1.6	27.6	48.5	56.9	48.4	53.3	30.9	3.3	306.0
2009	1.8	19.6	27.0	6.9	13.7	13.8	47.0	44.3	39.5	2.6	3.6	0.9	220.8
2010	30.9	52.0	21.3	19.8	5.7	16.3	36.4	37.2	31.6	49.0	7.0	16.1	323.4
2011	10.1	7.7	39.6	34.2	4.5	46.8	54.2	41.4	50.6	57.8	45.5	16.2	408.6
2012	1.1	19.0	31.3	27.1	3.3	25.5	45.4	50.1	47.4	32.2	5.5	36.9	324.7
2013	13.0	0.8	0.4	1.9	21.0	87.0	98.6	69.2	27.3	28.4	4.9	-0.1	352.4
2014	0.0	0.0	10.0	15.9	6.1	37.7	82.3	56.1	4.3	34.2	6.8	31.2	284.6
2015	1.9	27.3	0.7	0.0	0.5	27.0	38.3	45.4	35.5	18.5	1.2	5.3	201.5
2016	28.2	9.2	39.8	2.2	1.2	7.7	34.6	25.7	11.8	12.2	6.2	15.9	194.8
2017	37.2	62.4	53.4	23.0	75.0	55.5	50.5	40.6	30.9	19.1	1.3	0.4	449.4
2018	2.8	0.1	4.2	3.7	0.4	38.2	43.3	7.4	6.8	8.3	8.7	5.5	129.4
Total	440.4	597.9	686.6	427.8	536.8	894.9	1,184.2	1,058.9	786.9	676.2	262.6	318.6	7,871.9
Average	22.0	29.9	34.3	21.4	26.8	44.7	59.2	52.9	39.3	33.8	13.1	15.9	393.6
Max	71.3	90.9	100.6	83.3	124.6	93.4	100.0	104.6	80.0	83.9	45.5	56.0	822.2
Min	0.0	0.0	0.4	0.0	0.4	7.7	26.8	7.4	4.3	2.6	-0.1	-0.1	129.4

Carr	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	GWH
1999	51.4	23.7	38.7	43.9	47.6	70.5	79.8	54.1	52.7	16.1	17.1	25.5	521.1
2000	27.8	23.5	42.8	46.8	74.2	83.1	96.5	99.1	44.6	3.2	13.2	20.4	575.3
2001	19.4	8.6	-0.1	14.6	13.7	50.8	83.8	81.7	52.8	56.9	0.7	-0.1	382.9
2002	0.2	0.6	1.6	19.8	19.7	55.5	69.5	69.8	34.4	36.2	6.3	1.3	315.0
2003	1.2	36.0	33.2	15.4	43.9	56.4	50.2	78.2	74.4	66.8	21.1	7.7	484.5
2004	9.4	1.0	81.0	71.7	12.8	51.7	70.3	47.9	51.2	82.8	0.0	0.0	480.0
2005	0.0	0.0	0.0	9.2	4.6	18.9	26.4	39.0	29.7	20.0	44.1	32.4	224.4
2006	38.3	68.7	41.3	22.3	102.1	85.7	63.9	71.6	78.3	8.7	12.8	22.6	616.4
2007	13.1	1.2	0.0	21.2	17.7	39.4	69.3	51.9	30.1	15.5	31.7	0.7	292.0
2008	0.0	0.0	0.0	14.9	1.6	29.8	51.3	54.2	58.6	49.9	37.8	7.7	305.8
2009	2.5	2.8	0.2	15.7	2.1	14.0	48.4	46.3	44.0	3.5	-0.1	1.5	180.9
2010	-0.2	0.5	-0.1	-0.1	0.1	15.2	38.6	41.3	36.0	42.6	1.5	0.5	176.0
2011	1.0	1.0	0.2	1.9	5.0	43.4	51.5	46.1	54.9	59.5	55.7	24.3	344.4
2012	5.0	24.1	24.4	11.8	9.3	37.2	56.6	56.3	51.7	26.9	8.7	20.9	333.1
2013	12.1	3.4	3.3	26.2	32.9	92.1	101.8	74.7	34.7	33.8	0.2	8.3	423.7
2014	8.1	2.8	8.0	40.4	15.3	56.3	92.5	67.4	12.6	26.1	7.9	1.0	338.5
2015	2.3	0.7	1.0	21.0	11.8	35.4	46.1	53.1	46.1	12.7	8.8	9.7	248.8
2016	5.0	2.3	0.1	1.2	0.4	19.8	38.4	30.9	21.3	4.4	3.9	6.0	133.7
2017	4.2	0.8	37.1	3.5	77.3	61.4	57.7	49.6	39.3	11.1	8.0	9.7	359.8
2018	8.8	7.7	7.7	19.6	11.5	48.6	50.2	13.0	17.5	7.7	7.7	9.4	209.5
Total	209.8	209.5	320.5	421.2	503.8	965.4	1,242.9	1,126.3	865.0	584.6	287.1	209.6	6,945.7
Average	10.5	10.5	16.0	21.1	25.2	48.3	62.1	56.3	43.3	29.2	14.4	10.5	347.3
Max	51.4	68.7	81.0	71.7	102.1	92.1	101.8	99.1	78.3	82.8	55.7	32.4	616.4
Min	-0.2	0.0	-0.1	-0.1	0.1	14.0	26.4	13.0	12.6	3.2	-0.1	-0.1	133.7

Trinity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	GWH
1999	45.9	24.9	37.1	45.3	64.2	75.3	77.1	53.4	52.5	20.9	20.0	26.3	543.0
2000	28.7	37.1	90.4	44.4	87.8	89.0	92.2	90.1	45.6	8.2	11.7	20.8	645.9
2001	21.0	12.5	6.8	23.3	44.7	54.2	70.3	67.0	44.7	44.5	8.0	6.5	403.5
2002	0.5	6.1	7.9	21.5	78.6	58.0	60.9	59.0	32.8	29.6	9.2	5.7	369.9
2003	5.5	29.8	31.2	18.2	85.8	87.7	64.8	76.8	72.8	55.4	20.8	11.8	560.6
2004	12.2	20.7	65.7	61.2	81.6	91.0	76.4	47.0	52.7	65.2	4.9	4.5	582.9
2005	5.5	6.9	7.4	18.2	82.3	61.4	47.4	42.2	40.9	24.7	37.8	29.8	404.5
2006	72.9	68.5	35.2	43.3	90.6	82.3	74.7	66.8	70.2	11.6	16.0	21.2	653.4
2007	15.4	7.0	6.8	26.5	74.5	46.3	59.8	46.5	30.7	18.4	27.3	5.4	364.5
2008	5.1	5.0	5.9	21.9	76.4	64.9	56.7	45.4	42.8	35.6	26.8	9.7	396.2
2009	8.2	5.7	5.5	21.2	56.5	26.4	40.8	39.8	27.8	3.2	5.7	7.0	247.7
2010	5.0	5.2	6.2	10.3	73.7	51.4	47.4	38.4	34.2	35.3	7.4	6.0	320.5
2011	6.4	5.6	4.6	12.3	77.1	79.9	65.1	47.1	47.9	45.5	42.9	20.8	455.4
2012	7.3	20.6	20.9	17.4	83.2	75.4	57.4	53.1	47.6	23.7	10.1	17.7	434.3
2013	11.4	5.3	7.0	33.7	83.1	82.4	82.4	64.1	35.7	28.8	4.9	10.8	449.9
2014	10.6	6.9	9.9	33.2	37.0	44.8	59.4	46.0	15.1	5.5	7.6	4.6	280.5
2015	6.6	4.8	6.5	19.9	35.3	34.7	33.1	30.3	18.5	0.0	0.0	6.8	196.5
2016	5.7	5.7	4.5	13.9	63.6	57.0	44.1	30.0	29.2	9.3	7.5	8.9	279.5
2017	6.9	4.0	30.2	34.2	66.4	71.4	69.1	47.6	39.5	16.5	12.7	14.5	412.9
2018	12.4	11.7	10.5	25.7	43.7	52.7	43.3	21.1	23.1	9.7	10.7	12.2	276.9
Total	293.3	294.0	400.4	545.8	1,386.1	1,286.2	1,222.3	1,011.7	804.2	491.6	291.9	251.0	8,278.5
Average	14.7	14.7	20.0	27.3	69.3	64.3	61.1	50.6	40.2	24.6	14.6	12.5	413.9
Max	72.9	68.5	90.4	61.2	90.6	91.0	92.2	90.1	72.8	65.2	42.9	29.8	653.4
Min	0.5	4.0	4.5	10.3	35.3	26.4	33.1	21.1	15.1	0.0	0.0	4.5	196.5

Kes TRD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	13.9%
1999	4.9	6.7	6.3	4.8	6.5	6.8	7.8	6.2	4.7	3.5	3.8	4.1	66.1
2000	4.2	6.7	6.0	4.5	6.8	7.3	8.4	6.6	4.4	3.4	3.1	3.1	64.5
2001	2.8	2.0	2.8	3.6	6.1	8.0	8.6	6.7	5.2	3.6	2.8	2.5	54.6
2002	4.4	2.6	3.3	3.2	5.9	7.6	8.9	6.8	4.6	4.2	3.4	3.5	58.4
2003	7.6	5.4	2.7	3.9	7.9	7.6	8.0	6.1	4.5	4.0	3.2	5.1	66.0
2004	4.4	3.9	4.6	5.0	6.0	8.1	8.6	6.7	5.3	4.4	2.8	2.7	62.7
2005	2.5	2.1	2.4	2.5	6.4	6.9	8.5	6.6	5.2	4.8	3.2	3.7	54.8
2006	5.5	5.5	7.9	7.2	7.4	8.1	8.5	7.8	5.5	3.7	3.2	3.3	73.6
2007	3.1	2.8	3.0	4.7	6.0	7.1	9.0	7.1	5.1	3.9	3.3	3.0	58.2
2008	2.5	2.0	2.1	4.0	5.7	7.0	8.0	6.5	4.5	4.3	2.8	2.5	51.8
2009	2.1	1.9	2.1	3.6	5.4	6.1	7.6	6.4	4.1	3.3	2.8	2.2	47.8
2010	2.2	1.8	2.1	2.5	5.5	7.1	7.6	6.2	4.5	3.6	3.3	6.1	52.5
2011	4.7	2.4	4.7	4.9	5.3	6.9	7.6	6.9	5.6	4.8	4.3	3.0	61.2
2012	2.7	2.4	2.4	2.5	5.3	6.7	8.2	7.1	4.6	3.8	3.1	2.8	51.6
2013	2.5	2.1	2.3	3.8	6.7	8.1	8.3	6.3	4.4	3.8	2.7	2.2	53.2
2014	2.0	1.8	1.8	2.0	4.5	5.4	5.7	5.2	3.5	2.8	2.7	2.3	39.6
2015	1.8	1.8	1.9	2.4	4.4	4.3	4.4	4.4	4.1	3.8	2.6	2.7	38.7
2016	2.0	1.8	3.2	2.7	3.7	4.9	6.1	6.2	5.3	3.8	2.8	3.9	46.4
2017	6.2	5.2	5.6	5.6	5.5	5.5	5.8	6.1	5.3	4.2	3.1	2.7	60.9
2018	2.1	1.9	2.0	2.4	5.3	4.1	7.5	6.2	4.9	4.3	2.6	2.2	45.3
Total	70.3	63.0	69.3	75.8	116.2	133.5	153.0	128.2	95.4	78.3	61.7	63.4	1,107.9
Average	3.5	3.2	3.5	3.8	5.8	6.7	7.6	6.4	4.8	3.9	3.1	3.2	55.4
Max	7.6	6.7	7.9	7.2	7.9	8.1	9.0	7.8	5.6	4.8	4.3	6.1	73.6
Min	1.8	1.8	1.8	2.0	3.7	4.1	4.4	4.4	3.5	2.8	2.6	2.2	38.7

361,500,000
302,600,000
58,900,000
16%

