# Market Protection Provision

#### 1. Introduction

The Market Protection Provision will allow for a creation of a regulatory liability or asset as required to compensate customers for any harm created by the Wind Projects during the Guarantee Period. The amortization or deprecation of the regulatory asset or liability during Empire's rate cases will adjust Empire's rates to flow money in the appropriate direction. This document will discuss how to calculate the regulatory asset or liability.

### 2. Definitions

ASV = Annual Sharing Value = AWV\_Net \* Sharing Percentage (row 27 excel)

ASV\_Sum = sum of all prior years ASV inclusive of current year (row 29 excel)

AWV = Annual Wind Value (row 16 of excel)

AWV\_Net = Annual Wind Value outside of dead band (row 25 excel)

Guarantee = maximum exposure to the negative that the Company is exposed over the life of the guarantee. The Guarantee will be a fixed positive value of \$35,000,000 Missouri jurisdictional in cell B7 excel which will be converted to a Company level guarantee in cell B7 excel using the Missouri Jurisdictional Factor in cell C7 excel.

Guarantee Period = Begins at the first day of the month after the first Wind Project is placed into rates and will run until the end of the 10<sup>th</sup> full year (120 months) after the last Wind Project is entered into rates.

LDB = Lower Dead Band = -\$2,000,000 (cell B11 excel)

Missouri Reg\_Input = the jurisdictional percentage of the Reg\_Input amount. The actual percentage will be based on the prior rate case's jurisdictional allocation ratios. (row 48 excel)

PPA\_Replacement = value associated with replacing the existing wind PPAs during the period of the guarantee, as shown on Exhibit C (row 15 excel)

Reg\_Inputs = amount added to a regulatory liability (negative number) or the amount added to a regulatory asset (positive number) (row 46 excel)

Reg\_Input pre-limit = the calculated Reg\_Input before the upper limit is placed on it to prevent an overpayment to the Company (row 41 excel)

Sharing Percentage = 50% (cell B16)

SPP\$ = Southwest Power Pool revenues for the Wind Projects (row 13 excel)

UDB = Upper Dead Band = \$2,000,000 (cell B10)

Wind Projects = the up to 600 MW of new wind projects procured by Empire.

WRR = Wind Revenue Requirement = sum of operation and maintenance, labor, tax equity payments / (credits), property taxes, return on and of, income taxes for the new Wind Projects (row 14 excel, as calculated in Exhibit B).

### 3. Calculations

Exhibit A – Market Protection Provision Flow Chart can be used to help walk through the calculations required to determine the amount of the regulatory asset or liability. Exhibit B – Wind Data spreadsheet shows an example for calculation of the wind costs (WRR). Exhibit C – PPA Replacement value, shows the amount of benefit associated by year with the existing wind power purchase agreements. Exhibit D – Regulatory Asset Example spreadsheet, shows one example of the calculations for the regulatory asset.

#### Calculate AWV:

On an annual basis, the Annual Wind Value (AWV) will be calculated based on the SPP market revenues earned by the Wind Projects (SSP\$) less the Wind Projects costs (WRR) plus the value associated with avoiding the replacement of the existing wind power purchase agreements (PPA Replacement). This is shown in Exhibit D row 16.

The SPP Revenue is based on the SPP invoice for total revenue earned by the Wind Projects.

The Wind Revenue Requirement is calculated by:

- i) Adding the total labor, operation and maintenance costs required to operate the Wind Projects.
- ii) Adding the payments to tax equity, less the payments received from tax equity.
- iii) Adding the proforma calculation costs for the Wind Projects based on the methodology in Exhibit B for the following:
  - a. Enter the actual net capital cost for the Wind Projects, inclusive of transmission costs.
  - b. Calculate the straight line deprecation based on the listed schedules for each capital expenditure.
  - c. Calculate the accumulated deprecation
  - d. Calculate the net rate base amount.
  - e. Calculate the Return on Equity by multiplying the authorized equity capital percentage by the net rate base and by the authorized equity return percentage.
  - f. Calculate the cost of debt by multiplying the authorized debt capital percentage by the net rate base and by the debt cost percentage.
  - g. Calculate the Income tax payable for the Wind Projects by dividing the return on equity amount in dollars by one minus the composite tax rate then multiple that quotient by the return on equity in dollars.
  - h. Calculate the property taxes as 0.86% multiplied by the net rate base amount.
- iv) The depreciation, return on equity, cost of debt, income tax payable and property tax proforma calculations will be added to the totals in i) and ii) to produce the Wind Revenue Requirement.

#### Dead Band:

Apply the dead band to the AWV on an annual basis (rows 20 – 25 of Exhibit D) to determine the Annual Wind Value net of dead band (AWV\_Net).

### **Sharing Provision:**

Apply the 50% sharing factor to the AWV Net to determine the Annual Sharing Value (ASV).

### Adjustment periods:

At each rate case, after all Wind Projects have been placed into rates, and at the end of the Guarantee Period, the accumulated value of the Wind Projects will be looked at to determine if a regulatory asset or liability need to be created.

The ASV will be summed for all years from the start of the Guarantee to the end of the current period to calculate the Annual Sharing Value Sum (ASV\_Sum, row 33 of Exhibit D). The ASV\_Sum will be adjusted to account for all prior values that created a regulatory asset or liability (ASV\_Sum – all prior Reg Inputs, row 35 of Exhibit D). This will then be compared against the maximum Guarantee to ensure that the Guarantee is not exceeded. This will determine the amount of the regulatory liability prior to the upper limit (Reg\_Input pre-limit, row 41 in Exhibit D). If the amount of the Reg\_Input pre-limit would result in an overpayment to Empire, then it will be reduced to ensure that Empire can dig out of a regulatory liability but not be ahead over the entire period. This value is the Reg\_Input, shown in row 46 of Exhibit D.

The last step is to apply the Missouri jurisdictional adjustment to the Reg\_Input to determine the amount that will apply in the Missouri rate adjustments.

### Non-Adjustment Periods:

In years where there is not an adjustment period, then the ASV is recorded and no further action is required until the following year.

Exhibit A – Market Protection Provision Flow Chart (see atatched)

Exhibit B – Wind Data Spreadsheet

			Q4 only										
			2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capital Costs	\$												
Transmission			81										
Wind Projects			429										
Tax Equity Buy Out													
Maintenance Capital													
Maintenance Capital													
	\$	years											
Transmission		40	1	2	2	2	2	2	2	2	2	2	2
Wind Projects		30	4	14	14	14	14	14	14	14	14	14	14
Maintenance Capital		20											
Maintenance Capital		17											
Maintenance Capital		12											
Accumulated Deprecation	\$		4	20	37	53	69	86	102	118	135	151	167
Rate Base	\$		506	489	473	457	440	424	408	391	375	359	343
Return on Equity	%equity	rate	6	25	24	23	22	22	21	20	19	18	17
	51%	10%											
Cost of Debt	%debt	rate	2	10	9	9	9	8	8	8	7	7	7
Out of Debt	49%	4%	2	10	3	9	9	0	0	0	ı	1	ı
Income Tax Payable	tax rate		2	8	8	7	7	7	7	6	6	6	5
	23.90%												
Property Tax Estimate	rate		1	4	4	4	4	4	4	3	3	3	3
	0.86%				-		•	•					
Corruing Charge			16	63	61	60	58	57	55	54	52	50	49
Carrying Charge			16	63	61	60	58	5/	55	54	52	50	49

## APPENDIX A

Fixed O&M	\$	2	14	14	21	22	25	27	28	29	30	33
Tax Equity expense (credit)	\$	0	(2)	(13)	(13)	(13)	(12)	(7)	(8)	(8)	(8)	(10)
TOTAL WIND REVEN	UE											
REQUIREMENT		18	75	63	68	67	70	75	74	74	73	72
Guarantee Years			1	2	3	4	5	6	7	8	9	10

Exhibit C – PPA Replacement Value

				2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Elk River		GWh		560	563	565	566	539	0	0	0	0	0
Meridian W	/ay	GWh		308	311	312	313	311	309	308	304	0	0
Guarantee	Period			1	2	3	4	5	6	7	8	9	10
Number of Guarantee	•	acemen	t GWh replaced b	y New W	ind dur	ing							
	3,415	GWh											
Allocated B	 enefit of	PPA rep	lacement GWh	0	0	0	0	0	563	564	568	872	872
Reduction i	n Reveni	ıe Requi	rement from PPA	A replace	ment								
				0	0	0	0	0	17,092,657	16,847,739	16,768,478	25,584,936	25,288,474

Exhibit D – Regulatory Asset Example

Row Number												
3 Changes rel	ated to Wind	d Value										
4 P75	Wind Produ	ction										
5 Low	Market Price	es										
6												
7 35,000,000	85%	Missouri Portion										
8 41,176,471	million	Guarantee Cap										
9 50%		Sharing outside of Dead Band - (dead bar	d adjusted on	the Wind Gua	arantee)							
10 2,000,000	annually	Upper Dead Band			,							
11 (2,000,000)		Lower Dead Band										
12	,	Years	1	2	3	4	5	6	7	. 8	3 9	1
13		SPP Market Revenue	52,712,415	56,002,898	58,097,183	60,537,390	62,416,997	64,520,656	66,699,312	69,042,961	70,576,645	73,523,080
14		Wind Revenue Requirement	74,767,542	63,620,934	68,953,533	67,684,336	70,466,254	75,825,853	74,730,280	74,129,562		72,673,847
15		PPA Replacement Value	0	03,020,331	00,555,555	0	0	17,092,657	16,847,739			25,288,474
16		Annual Wind Value (AWV)	(22,055,127)		(10,856,350)			5,787,460	8,816,770	11,681,877	23,004,096	26,137,708
17		Amadi wind value (Avv v)	(22,033,127)	(7,010,030)	(10,030,330)	(7,140,540)	(0,043,231)	3,707,400	0,010,770	11,001,077	23,00-1,030	20,137,700
18		Accumulative (AWV)	(22 DEE 127)	(20 672 162)	(40 520 512)	(47,676,459)	(55 705 71 <i>6</i> )	(40 020 257)	//1 121 /OC\	(30 430 600)	(6,435,513)	19,702,194
19		Accumulative (AVVV)	(22,033,127)	(29,073,103)	(40,323,313)	(47,070,439)	(33,723,710)	(49,930,237)	(41,121,460)	(29,439,009)	(0,455,515)	19,702,134
20		Is AWV inside of Dead Band?	No	No	No	No	No	No	No	No	Na	No
21		If Yes	INO	INO	INO	INO	INO	No	No	No	No	INO
		if no and greater than 0						3,787,460	C 01C 770	0.601.077	21 004 000	24,137,708
22		if no and less than 0		(F. C10 02C)	(0.050.350)	/F 14C 04C)	(6,049,257)	3,787,400	6,816,770	9,681,877	21,004,096	24,137,700
23		ii no and less than o	(20,055,127)	(5,618,036)	(8,856,350)	(5,146,946)	(6,049,257)					
24		AVAD / Nich	(20.055.427)	(F. C10, O2C)	(0.050.350)	/F 14C 04C)	(6.040.357)	2 707 400	C 01C 770	0.601.077	21 004 000	24 127 700
25		AWV_Net	(20,055,127)	(5,618,036)	(8,856,350)	(5,146,946)	(6,049,257)	3,787,460	6,816,770	9,681,877	21,004,096	24,137,708
26		Assessed Charita a Malura (ACM)	(40.027.502)	(2.000.040)	(4.420.475)	(2 572 472)	(2.024.620)	4 002 720	2 400 205	4 0 40 0 0	40 503 040	42.000.054
27		Annual Sharing Value (ASV)	(10,027,563)	(2,809,018)	(4,428,175)	(2,573,473)	(3,024,629)	1,893,730	3,408,385	4,840,938	10,502,048	12,068,854
28		ACM Comm	(40.027.502)	(42.026.504)	(47.204.750)	(40,020,220)	(22.002.050)	(20,000,420)	(47.500.742)	(42.740.005)	(2.247.757)	0.054.005
29		ASV_Sum	(10,027,563)	(12,836,581)	(17,264,756)	(19,838,229)	(22,862,858)	(20,969,128)	(17,560,743)	(12,719,805)	(2,217,757)	9,851,097
30		V 10 1 0		0	2							
31		Year of Rate Case	0	0	0	1	0	0	1	0	0	1
32						/			(4= =60 =40)			
33		ASV_Sum				(19,838,229)			(17,560,743)			9,851,097
34		1010				(10 000 000)						
35		ASV_Sum - all prior Reg Inputs				(19,838,229)			2,277,486			27,411,840
36												
37		Is ASV_Sum < -Guarantee				No			No		-	No
38		if yes; Guarantee - all prior Reg Inputs				/40.05===::					-	
39		if no; ASV_Sum - all prior Reg Inputs				(19,838,229)			2,277,486			27,411,840
40											-	
41		Reg_Input pre-limit	0	0	0	(19,838,229)	0	0	2,277,486	0	0	27,411,840
42												
43		Is Reg_Input too high?		No	No	No	No	No	No	No	No	Yes
44		if Yes, Reg_Input =										17,560,743
45		if No, Reg_Input =		0	- u	(19,838,229)						
46		Reg_Input	0	0	0	(19,838,229)	0	0	2,277,486	0	0	17,560,743
47												
48		Missouri Reg_Input	0	0	0	(16,862,495)	0	0	1,935,863	0	0	14,926,632

Row Number												
3 Changes rel	lated to Win	d Value										
4 P50	Wind Produ	ction										
5 Mid	Market Price	es										
6												
7 35,000,000	85%	Missouri Portion										
8 41,176,471		Guarantee Cap										
9 50%		Sharing outside of Dead Band - (dead ban	d adjusted on	the Wind Gua	arantee)							
10 2,000,000	annually	Upper Dead Band	<b>,</b>									
11 (2,000,000)		Lower Dead Band										
12	uuuy	Years	1	2	3	Δ	5	6	7	8	3 9	1
13		SPP Market Revenue	64,847,000	69,950,000	73,165,000	76,639,000	79,532,000	82,182,000	85,920,000			97,510,000
14		Wind Revenue Requirement	74,614,505	62,819,416	68,151,327	66,855,238	69,723,149	75,372,060	74,250,970	73,656,881	72,665,792	72,064,703
15		PPA Replacement Value	0	02,013,410	00,131,327	00,833,238	05,725,145	17,092,657	16,847,739			25,288,474
16		Annual Wind Value (AWV)										
		Alliudi Willu Value (AWV)	(9,767,505)	7,130,584	5,013,673	9,783,762	9,808,851	23,902,597	28,516,768	32,870,596	45,863,144	50,733,771
17		A province (ANADA)	(0.707.505)	/2 (20 024)	2 270 752	10.100 544	24 000 205	4F 074 000	74 200 720	107.250.227	152 122 172	202.050.244
18		Accumulative (AWV)	(9,767,505)	(2,636,921)	2,376,752	12,160,514	21,969,365	45,871,962	/4,388,/30	107,259,327	153,122,470	203,856,241
19												<u> </u>
20		Is AWV inside of Dead Band?	No	No	No	No	No	No	No	No	No	No
21		If Yes			0.040.0=0				00 = 10 = 00		10.000.111	
22		if no and greater than 0	(= === ===)	5,130,584	3,013,673	7,783,762	7,808,851	21,902,597	26,516,768	30,870,596	43,863,144	48,733,771
23		if no and less than 0	(7,767,505)									
24										<b></b>		
25		AWV_Net	(7,767,505)	5,130,584	3,013,673	7,783,762	7,808,851	21,902,597	26,516,768	30,870,596	43,863,144	48,733,771
26												
27		Annual Sharing Value (ASV)	(3,883,753)	2,565,292	1,506,836	3,891,881	3,904,426	10,951,299	13,258,384	15,435,298	21,931,572	24,366,885
28												
29		ASV_Sum	(3,883,753)	(1,318,461)	188,376	4,080,257	7,984,682	18,935,981	32,194,365	47,629,663	69,561,235	93,928,121
30												
31		Year of Rate Case	0	1	0	0	0	1	0	0	0	1
32												
33		ASV_Sum		(1,318,461)				18,935,981				93,928,121
34												
35		ASV_Sum - all prior Reg Inputs		(1,318,461)				20,254,442				93,928,121
36												
37		Is ASV_Sum < -Guarantee		No				No				No
38		if yes; Guarantee - all prior Reg Inputs										
39		if no; ASV_Sum - all prior Reg Inputs		(1,318,461)				20,254,442				93,928,121
40												
41		Reg_Input pre-limit	0	(1,318,461)	0	0	0	20,254,442	0	0	0	93,928,121
42												
43		Is Reg_Input too high?	No	No	No	No	No	Yes	No	No	No	Yes
44		if Yes, Reg_Input =						1,318,461				0
45		if No, Reg_Input =		(1,318,461)	10 0	0	0		0	0	0	
46		Reg_Input	0		111	0		1,318,461				
		U 1* * *		( , - = -, = )				,,	-	+	+	
47												

Row Number												
3 Changes rel	ated to Wind	1 Value										
	Wind Produ											
5 High	Market Price	25										
-	050/	Missouri Portion										
7 35,000,000												
8 41,176,471	million	Guarantee Cap	1 1 1 1									
9 50%		Sharing outside of Dead Band - (dead ban	a adjusted on	the Wind Gua	arantee)							
10 2,000,000		Upper Dead Band										
11 (2,000,000)	annually	Lower Dead Band	_		_		_		_	_	_	-
12		Years	1	2								
13		SPP Market Revenue	73,484,644	79,237,834	83,166,727	87,959,020	91,654,486				112,801,699	
14		Wind Revenue Requirement	74,767,542	63,620,934	68,953,533	67,684,336	70,466,254			74,129,562		72,673,847
15		PPA Replacement Value	0	0	0	0	0	<del></del>				25,288,474
16		Annual Wind Value (AWV)	(1,282,897)	15,616,900	14,213,194	20,274,684	21,188,232	37,823,266	42,856,865	49,110,888	65,229,151	72,524,145
17												
18		Accumulative (AWV)	(1,282,897)	14,334,003	28,547,197	48,821,881	70,010,113	107,833,379	150,690,244	199,801,133	265,030,283	337,554,428
19												
20		Is AWV inside of Dead Band?	Yes	No	No	No	No	No	No	No	No	No
21		If Yes	0									
22		if no and greater than 0		13,616,900	12,213,194	18,274,684	19,188,232	35,823,266	40,856,865	47,110,888	63,229,151	70,524,145
23		if no and less than 0										
24												
25		AWV_Net	0	13,616,900	12,213,194	18,274,684	19,188,232	35,823,266	40,856,865	47,110,888	63,229,151	70,524,145
26		_		, ,		. ,						
27		Annual Sharing Value (ASV)	0	6,808,450	6,106,597	9,137,342	9,594,116	17,911,633	20,428,433	23,555,444	31,614,575	35,262,073
28				5,225, 122	0,200,000	0,201,012	0,00 ,,==0				0 2,0 2 1,0 1 0	00,202,010
29		ASV_Sum	0	6,808,450	12,915,047	22,052,389	31,646,505	49,558,138	69,986,571	93.542.015	125,156,590	160.418.663
30		7.01_0a		0,000, 100	12,515,617		32,0.0,000	13,550,150	03,300,071	30,0 .2,013	123,133,333	200, 120,000
31		Year of Rate Case	0	1	0	0	0	1	0	0	0	1
32		rear or nace case	Ü	-				_				_
33		ASV Sum		6,808,450				49,558,138				160,418,663
34		A3V_3uiii		0,000,430				45,550,150				100,410,000
35		ASV_Sum - all prior Reg Inputs		6,808,450				49,558,138				160,418,663
36		NOT Suit - all bilot tree library		0,000,430				+3,330,130				100,410,003
37		Is ASV_Sum < -Guarantee		No				No			-	No
		if yes; Guarantee - all prior Reg Inputs		INU				INU			-	INU
38 39				6 000 450		-		40 EE0 130			-	160 /10 60
		if no; ASV_Sum - all prior Reg Inputs		6,808,450				49,558,138				160,418,663
40		Dog Innut and Limit	^	C 000 4E0	_			40 550 430				100 440 000
41		Reg_Input pre-limit	0	6,808,450	0	0	0	49,558,138	0	0	0	160,418,663
42		1.5.1.1.1.2		.,				\ <u>\</u>			ļ.,	.,
43		- 8_ 1 8		Yes	No	No	No	Yes	No	No	No	Yes
44		if Yes, Reg_Input =		0				0				(
45		if No, Reg_Input =			11 0				0			
46		Reg_Input	0	0	11 0	0	0	0	0	0	0	(
47												
48		Missouri Reg_Input	0	0	0	0	0	0	0	0	0	(

Row Number												
3 Changes rel	lated to Wind	l Value										
4 P95	Wind Produ											
5 Low	Market Price	25										
-	000/	Missouri Doution										
7 35,000,000		Missouri Portion										
8 41,176,471	million	Guarantee Cap	1 1									
9 50%		Sharing outside of Dead Band - (dead ban	a adjusted on	the Wind Gua	rantee)							
10 2,000,000		Upper Dead Band										
11 (2,000,000)	annually	Lower Dead Band										
12		Years	1				5					
13		SPP Market Revenue	47,647,909	50,622,249	52,515,319	54,721,076	56,420,094	58,321,637	60,290,972			66,459,126
14		Wind Revenue Requirement	74,905,659	64,344,313	69,677,533	68,432,607	71,136,915	76,235,406	75,162,863	74,556,161	73,601,243	73,223,606
15		PPA Replacement Value	0	0	0	0	0	17,092,657	16,847,739		25,584,936	25,288,474
16		Annual Wind Value (AWV)	(27,257,750)	(13,722,064)	(17,162,214)	(13,711,531)	(14,716,821)	(821,112)	1,975,848	4,621,765	15,779,472	18,523,995
17												
18		Accumulative (AWV)	(27,257,750)	(40,979,813)	(58,142,027)	(71,853,557)	(86,570,379)	(87,391,491)	(85,415,642)	(80,793,877)	(65,014,406)	(46,490,411
19												
20		Is AWV inside of Dead Band?	No	No	No	No	No	Yes	Yes	No	No	No
21		If Yes						0	0			
22		if no and greater than 0								2,621,765	13,779,472	16,523,995
23		if no and less than 0	(25,257,750)	(11,722,064)	(15,162,214)	(11,711,531)	(12,716,821)					
24			,	,	, , , ,		, , , , ,					
25		AWV_Net	(25,257,750)	(11,722,064)	(15,162,214)	(11,711,531)	(12,716,821)	0	0	2,621,765	13,779,472	16,523,995
26		_	, , , ,	, , , ,		, , , ,						
27		Annual Sharing Value (ASV)	(12,628,875)	(5,861,032)	(7,581,107)	(5,855,765)	(6,358,411)	0	0	1,310,882	6,889,736	8,261,997
28		g ( ,	(	(=,== ,== ,	( )== , = ,	(=,===,	(-,,			,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	., . ,
29		ASV_Sum	(12.628.875)	(18.489.907)	(26.071.013)	(31.926.779)	(38.285.189)	(38.285.189)	(38,285,189)	(36.974.307)	(30,084,571)	(21.822.574
30			(==,===,=;=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,	(20) 100,001,	(==,==,==,	(02,020,110)	(00)=00,=00,	(00,000,000,	(00,000,000,	(00,011,001)	(00,000,000,000	(==,==,=;
31		Year of Rate Case	0	1	0	0	0	1	0	0	0	1
32		rear or nace case	U	_				_				_
33		ASV Sum		(18,489,907)				(38,285,189)				(21,822,574
34		A3V_3uiii		(10,403,307)				(30,203,103)				(21,022,37
35		ASV_Sum - all prior Reg Inputs		(18,489,907)				(19,795,283)				16,462,616
36		A3V_3diff - dif prior Reg inputs		(10,403,307)				(13,733,203)				10,402,010
37		Is ASV_Sum < -Guarantee		No				No				No
38		if yes; Guarantee - all prior Reg Inputs		INU				INU				140
39		if no; ASV_Sum - all prior Reg Inputs		(18,489,907)				(19,795,283)				16,462,616
40		ii iio, A3v_3uiii - aii piioi keg iliputs		(10,403,307)				(13,733,463)				10,402,010
		Pag Input pro limit	^	(10 400 007)	^	0		/10 70E 202\	^			16 /62 64/
41		Reg_Input pre-limit	U	(18,489,907)	0	0	0	(19,795,283)	0	0	0	16,462,616
42 43		Is Box Inputtoo high?	No	No	No	No	No	No	No	No	No	No
		5_ 1 0		No	No	No	No	No	No	No	No	No
44		if Yes, Reg_Input =		(40, 400, 00=)	_	_	_	/40 707 255	_	_		46 455 51
45		if No, Reg_Input =		(18,489,907)	17	0		(19,795,283)				-, -, -
46		Reg_Input	0	(18,489,907)	0	0	0	(19,795,283)	0	0	0	16,462,610
47												
48		Missouri Reg_Input	0	(15,716,421)	0	0	0	(16,825,990)	0	0	0	13,993,223