

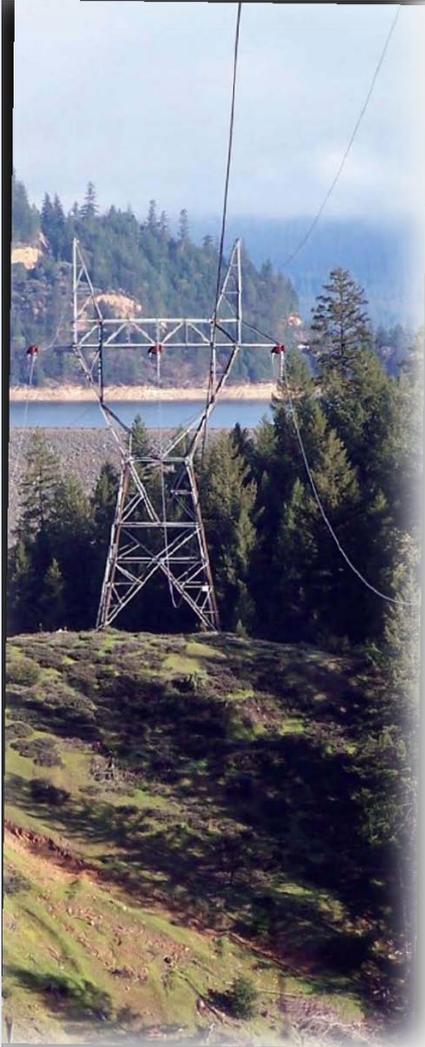
# **Integrated System Transmission and Ancillary Services Rates**

## **2013 Recalculated Rates**

Customer Information Meeting

October 15, 2012

1:30 p.m. MDT, Billings, MT and via Web



- Lloyd Linke – Operations Manager
- Ron Klinefelter – Attorney-Advisor
- Linda Cady-Hoffman – Rates Manager
- Steve Sanders – Operations and  
Transmission Advisor
- Stan Bayley – Public Utilities Specialist

1. Meeting Purpose
2. Transmission Rates
3. Ancillary Service Rates
4. Penalty Rate
5. Contact Information

- As a result of the Public Rate Adjustment Process conducted in 2009:
  - Western will provide customers the opportunity to discuss and comment on the recalculated rates by October 31 of each year.
  - Western will respond to customer comments prior to or at the time of the implementation of the recalculated revenue requirements and/or rates.
  
- This meeting provides an opportunity to discuss the proper application of data in the formula rate, not the rate formula itself.



# Forward-Looking Formula Transmission Rates – True-Up

- 2010 - first use of Forward-Looking Formula Transmission Rates.
- Actual audited financial data for 2011 available in 2012.
- True-up of 2011 rates included in the 2013 rates.
- True-up of 2012 rates will be included in 2014 rates.

## Formula Rate for Network Transmission Service

- Same ATRR used for Network and Point-to-Point rates.
- Rate includes costs for Scheduling, System Control, and Dispatch (SSCD) Service needed for Transmission.



$$= \frac{\text{Customer's Load-Ratio Share} \times \text{Annual Revenue Requirement for IS Transmission Svc}}{12 \text{ months}}$$



# Annual Transmission Revenue Requirement

## INTEGRATED SYSTEM ANNUAL REVENUE REQUIREMENT FOR TRANSMISSION SERVICE Effective January 1, 2013

Line No.			<u>Notes</u>
1			
2			
3	<b><u>Annual IS Transmission Costs</u></b>		
4	Basin Electric	\$53,400,797	Basin Electric Revenue Requirement Template
5	Western	\$118,668,270	Western Revenue Requirement Template
6	Heartland	\$814,373	Heartland Revenue Requirement Template
7		\$172,883,440	L4 + L5 + L6
8			
9			
10	<b><u>Transmission Customer Facility Credits</u></b>		
11		\$3,547,194	MRES Revenue Requirement Template
12		\$3,635,778	NWPS Revenue Requirement Template
13		\$7,182,972	L11 + L12
14			
15			
16	<b><u>Annual Revenue Requirement for IS Transmission Service</u></b>		
17			
18		\$180,066,412	L7 + L13
19			
20	<b><u>2011 True-up Amount</u></b>		
21		(\$3,336,488)	2011 Rate True-up Worksheet
22			
23	<b><u>2011 Unreserved Use of Transmission Service Penalties</u></b>		
24			
25		(\$6,344)	2011 Unreserved Use Penalty Worksheet
26			
27	<b><u>Annual Revenue Requirement for IS Transmission Service after True-up</u></b>		
28			
29		\$176,723,580	L18 - L21 - L25

# Formula Rate for Firm Point-to-Point IS Transmission Service

- Includes a load projection.
- Rate includes costs for Scheduling, System Control, and Dispatch (SSCD) Service needed for Transmission.

Firm  
Point-to-Point  
Transmission Rate  
*\$/kW-Mo*

$$= \frac{\text{Annual IS Transmission Service Revenue Requirement}}{\text{IS Transmission System Total Load}}$$



# Firm Point-to-Point Transmission

## INTEGRATED SYSTEM

### FIRM POINT-TO-POINT RATE DESIGN

Effective January 1, 2013

Line

No.

1			
2			
3	<b><u>Annual Revenue Requirement for IS Transmission Service</u></b>		<b><u>Notes</u></b>
4			
5		\$176,723,580	IS Annual Revenue Requirement for
6			Transmission Service Worksheet, L29
7			
8	<b><u>IS Transmission System Total Load</u></b>		
9			
10		5,249,000 KW	IS Transmission System Total Load Estimate
11			
12			
13	<b><u>Maximum Firm Point-to-Point Transmission Rate in \$/KW-Mo</u></b>		
14			
15		<b>\$2.81/ KW-Mo</b>	L5 / L10 / 12 months



# Formula Rate for Non-Firm Point-to-Point Transmission Service

$$\begin{array}{l} \text{Maximum Non-Firm} \\ \text{Point-to-Point} \\ \text{Transmission Rate} \\ \text{m/kWh} \end{array} = \frac{\text{Firm Point-to-Point Transmission Rate}}{730 \text{ hours/month}} \times 1000 \text{ mills/\$}$$



# Non-Firm Point-to-Point Transmission Rate

## INTEGRATED SYSTEM

### NON-FIRM POINT-TO-POINT RATE DESIGN

Line

Effective January 1, 2013

No.

1		
2		
3	<b><u>Firm Point-to-Point Transmission Rate in \$/KW-Mo</u></b>	<b><u>Notes</u></b>
4		
5	\$2.81/ KW-Mo	IS Firm Point-to-Point Rate Design Worksheet, L15
6		
7		
8		
9	<b><u>Maximum Non-Firm Point-to-Point Transmission Rate</u></b>	
10	<b>3.85 Mills/KWh</b>	(L5 * 1000) / 730 hours per month

- Scheduling, System Control, and Dispatch (SSCD) Service
- Reactive Supply and Voltage Control from Generation Sources Service (RSVC)
- Regulation and Frequency Response Service
- Energy Imbalance Service
- Operating Reserves Service – Spinning and Supplemental
- Generator Imbalance Service

# Formula Rate for Scheduling, System Control, and Dispatch Service (SSCD)

- SSCD Rate Formula

$$\begin{array}{l} \text{SSCD Service} \\ \text{Rate} \\ \textit{per Tag per Day} \end{array} = \frac{\text{Annual Revenue Requirement SSCD Service}}{\text{Number of Daily Tags per Year}}$$



# Formula Rate for Scheduling, System Control, and Dispatch Service (SSCD)

## RATE FOR SCHEDULING, SYSTEM CONTROL AND DISPATCH SERVICE FOR 2013

A.	Fixed Charge Rate	22.258%	(1)
B.	Scheduling, System Control and Dispatch Net Plant Costs (\$)	\$16,636,553	(2)
C.	Annual Revenue Requirement for Scheduling, System Control and Dispatch Service	<u>\$3,702,964</u>	(A x B)
D.	2011 Number of Daily Tags	87,292	
E.	Rate for Scheduling, System Control and Dispatch Service (\$/tag/day)	<b>\$42.42</b>	(C / D)



# Fixed Charge Rate for SSCD

## DETERMINATION OF PICK-SLOAN MISSOURI BASIN PROGRAM, EASTERN DIVISION ANNUAL IS TRANSMISSION COSTS

*Western Area Power Administration  
Upper Great Plains Region*

Line No.	Description	Amount	Source/Notes
1			
2	<b>A. Operation and Maintenance Expense for Transmission</b>		
3			
4	Transmission O&M Expense	\$54,494,799	O&M Expenses Worksheet, C6L17
5	Transmission of Electricity by Others	\$0	
6	Total O&M Expense for Transmission	\$54,494,799	L4 + L5
7			
8	Net Transmission Plant Investment	\$560,291,527	Net Plant Investment Worksheet, C6L11
9			
10	O&M as % of Net Transmission Plant Investment	9.726%	L6/L8
11			
12			
13	<b>B. A&amp;G Expense for Transmission</b>		
14			
15	Transmission A&G Expense	\$15,823,815	A&G Expenses Worksheet, C6L12
16			
17	Net Transmission Plant Investment	\$560,291,527	L8
18			
19	A&G as % of Net Transmission Plant Investment	2.824%	L15/L17



# Fixed Charge Rate for SSCD (Continued)

20

21

22 **C. Depreciation Expense for Transmission**

23

24 Transmission Depreciation Expense \$26,033,383 Depreciation Expense Worksheet, C6L4

25

26 Net Transmission Plant Investment \$560,291,527 L8

27

28 Depreciation as a % of Net Transmission Plant Investment 4.646% L24/L26

29

30

31 **D. Taxes Other than Income Taxes for Transmission**

32

33 Not applicable.

34

35

36 **E. Allocation of General Plant to Transmission**

37

38 No General Plant identified at this time, all plant is identified as either generation or transmission related.



# Fixed Charge Rate for SSCD (Continued)

39			
40			
41	<b>F. Cost of Capital</b>		
42			
43	Weighted Transmission Composite Interest Rate	5.062%	Cost of Capital Worksheet, C6L9
44			
45			
46	<b>G. Transmission Fixed Charge Rate</b>		
47			
48	Operation and Maintenance Expense	9.726%	L10
49			
50	A&G Expense	2.824%	L19
51			
52	Depreciation Expense	4.646%	L28
53			
54	Taxes Other than Income Taxes	0.000%	
55			
56	Allocation of General Plant to Transmission	0.000%	
57			
58	Cost of Capital	5.062%	L43
59			
60	Total	22.258%	

# Formula Rate for Reactive Supply and Voltage Control From Generation Sources Service

- RSVC Rate Formula

$$\text{RSVC Service Rate per kW-Mo} = \frac{\text{Annual Revenue Requirement for VAR Support}}{\text{Load Requiring VAR Support}}$$

Annual Revenue Requirement includes:

- Western's synchronous condenser costs operating outside the 0.95 leading to 0.95 lagging power factor bandwidth.
- Costs of generators providing RSVC Service outside the 0.95 leading to 0.95 lagging power factor bandwidth.



# Formula Rate for Reactive Supply and Voltage Control From Generation Sources Service (Cont.)

## REACTIVE SUPPLY AND VOLTAGE CONTROL FROM GENERATION SOURCES FOR 2013 (WESTERN'S COSTS)

A. Fixed Charge Rate	17.846%	(1)
B. Generation Net Plant Costs (\$)	<u>\$473,919,619</u>	(2)
C. Annual Cost of Generation (\$)	\$84,575,695	(A x B)
D. Capability Used for Reactive Support (%)	3.11%	(3)
E. Reactive Service Revenue Requirement	\$2,630,304	(C x D)

(1) Page 3 of 3, "Determination of Pick-Sloan Missouri Basin Program, Eastern Division Annual Generation Revenue Requirement", for 2013 Rate.

(2) Generation Net Plant Costs include the total Eastern Division Pick-Sloan Generation Plant-in-Service less Depreciation Reserve.

(3) Five year average peak monthly percentage of condensing generation. Reference PO&M 59 Reports for 2007-2011.



# Formula Rate for Reactive Supply and Voltage Control From Generation Sources Service (Cont.)

## RATE FOR REACTIVE SUPPLY AND VOLTAGE CONTROL FROM GENERATION SOURCES FOR 2013 (INTEGRATED SYSTEM)

A. WAPA Reactive Service Revenue Requirement	\$2,630,304	(1)
B. Paid to Others for Reactive Service	\$0	(2)
C. Total Reactive Revenue Requirement	\$2,630,304	(A + B)
D. Over Collection for 2011	(\$74,773)	(3)
E. Total Reactive Revenue Requirement with 2011 True-up	\$2,555,531	(C + D)
F. 2011 IS Transmission System Total Load (kW-Yr)	4,918,000	(4)
G. Annual Reactive Charge (\$/kW-Yr)	\$0.52	(E / F)
H. Monthly Reactive Charge (\$/kW-Mo)	\$0.04	(G / 12)

(1) Reactive Service Revenue Requirement from "Reactive Supply and Voltage Control from Generation Sources For 2013, Western's Costs".

(2) Charges for Reactive Service Operation Outside the Bandwidth.

(3) True-up Required for 2011 "True-up for 2011 Reactive Supply and Voltage Control from Generation Sources."

(4) IS Peak Transmission System Load.



# Fixed Charge Rate – Reactive Supply and Voltage Control

## DETERMINATION OF PICK-SLOAN MISSOURI BASIN PROGRAM, EASTERN DIVISION ANNUAL GENERATION REVENUE REQUIREMENT

*Western Area Power Administration  
Upper Great Plains Region*

Line No.	Description	Amount	Notes
1			
2	<b>A. Operation and Maintenance Expense for Generation</b>		
3			
4	Generation O&M Expense	\$78,351,000	O&M Expenses Worksheet, C6L19
5			
6	Net Generation Plant Investment	\$654,099,613	Net Plant Investment Worksheet, C6L12
7			
8	O&M as % of Net Generation Plant Investment	11.978%	L4/L6
9			
10			
11	<b>B. A&amp;G Expense for Generation</b>		
12			
13	Generation A&G Expense	\$308,351	A&G Expenses Worksheet, C6L18
14			
15	Net Generation Plant Investment	\$654,099,613	L6
16			
17	A&G as % of Net Generation Plant Investment	0.047%	L13/L15
18			
19			



# Fixed Charge Rate – Reactive Supply and Voltage Control (Cont.)

20	<b>C. Depreciation Expense for Generation</b>		
21			
22	Generation Depreciation Expense	\$15,137,195	Depreciation Expense Worksheet, C6L6
23			
24	Net Generation Plant Investment	\$654,099,613	L6
25			
26	Depreciation as a % of Net Generation Plant Investment	2.314%	L22/L24
27			
28			
29	<b>D. Taxes Other than Income Taxes for Generation</b>		
30			
31	Not applicable.		
32			
33			
34	<b>E. Allocation of General Plant to Generation</b>		
35			
36	No General Plant identified at this time, all either generation or transmission related.		
37			
38			



# Fixed Charge Rate – Reactive Supply and Voltage Control (Cont.)

39	<b>F. Cost of Capital</b>		
40			
41	Generation Composite Interest Rate	3.507%	Cost of Capital Worksheet, C6L11
42			
43			
44	<b>G. Generation Fixed Charge Rate</b>		
45			
46	Operation and Maintenance Expense	11.978%	L8
47			
48	A&G Expense	0.047%	L17
49			
50	Depreciation Expense	2.314%	L26
51			
52	Taxes Other than Income Taxes	0.000%	
53			
54	Allocation of General Plant to Generation	0.000%	
55			
56	Weighted Cost of Capital	<u>3.507%</u>	L41
57			
58	Total	<b>17.846%</b>	

- Regulation and Frequency Response Service Rate Formula


$$\text{Regulation Rate per kW/Mo} = \frac{\text{Annual Revenue Requirement for Regulation}}{\text{Load in the Control Area Requiring Regulation}}$$



# Regulation and Frequency Response Service

## REGULATION AND FREQUENCY RESPONSE FOR 2013 (Western's Costs)

A.	Fixed Charge Rate	15.972%	(1)
B.	Corps Generation Net Plant Costs (\$)	<u>\$168,890,532</u>	(2)
C.	Annual Corps Generation Cost (\$)	\$26,975,196	(A x B)
D.	Plant Capacity (kW)	937,000	
E.	Cost/kW (\$/kW)	\$28.79	(C / D)
F.	Capacity Used for Regulation (kW)	63,000	(J x 2%)
G.	Regulation Revenue Requirement (\$) - Capacity	\$1,813,770	(E x F)
H.	Regulation Revenue Requirement (\$) - Purchases	<u>\$0</u>	(3)
I.	Total Regulation Revenue Requirement (\$)	\$1,813,770	
J.	Load in Control Area(s) (kW-Yr)	3,150,000	(4)



# Regulation and Frequency Response Service (Continued)

## RATE FOR REGULATION AND FREQUENCY RESPONSE FOR 2013

A.	Western Regulation Revenue Requirement	\$1,813,770	(1)
B.	BEPC & HCPD Regulation Revenue Requirement	\$65,242	(2)
C.	Total Regulation Revenue Requirement	\$1,879,012	(A + B)
D.	Under Collection - 2011 Regulation Revenue Rqmt	\$317,306	(3)
E.	Total Regulation Revenue Rqmt with True-up	2,196,318	(C+D)
F.	Load in Control Area(s) (kW-Yr)	3,150,000	(4)
G.	Regulation Charge (\$/kW-Yr)	\$0.70	(E / F)
H.	Regulation Charge (\$/kW-Mo)	\$0.06	(G / 12 months)



# Fixed Charge Rate - Regulation and Frequency Response Service

## DETERMINATION OF PICK-SLOAN MISSOURI BASIN PROGRAM, EASTERN DIVISION ANNUAL CORPS GENERATION REVENUE REQUIREMENT

Western Area Power Administration  
Upper Great Plains Region

Line No.	Description	Amount	Notes
1			
2	<b>A. Operation and Maintenance Expense for Corps Generation</b>		
3			
4	Corps Generation O&M Expense	\$41,886,497	O&M Expenses Worksheet, C4L19
5			
6	Net Corps Generation Plant Investment	\$421,473,130	Net Plant Investment Worksheet, C4L12
7			
8	O&M as % of Net Generation Plant Investment	9.938%	L4/L6
9			
10			
11	<b>B. A&amp;G Expense for Corps Generation</b>		
12			
13	Corps Generation A&G Expense	\$0	A&G Expenses Worksheet, C4L18
14			
15	Net Corps Generation Plant Investment	\$421,473,130	L6
16			
17	A&G as % of Net Generation Plant Investment	0.000%	L13/L15



# Fixed Charge Rate - Regulation and Frequency Response Service (Continued)

18			
19			
20	<b>C. Depreciation Expense for Corps Generation</b>		
21			
22	Corps Generation Depreciation Expense	\$10,650,544	Depreciation Expense, C4L6
23			
24	Net Corps Generation Plant Investment	\$421,473,130	L6
25			
26	Depreciation as a % of Net Generation Plant Investment	2.527%	L22/L24
27			
28			
29	<b>D. Taxes Other than Income Taxes for Corps Generation</b>		
30			
31	Not applicable.		
32			
33			
34	<b>E. Allocation of General Plant to Corps Generation</b>		
35			
36	No General Plant identified at this time, all either generation or transmission related.		



# Fixed Charge Rate - Regulation and Frequency Response Service (Continued)

37			
38			
39	<b>F. Cost of Capital</b>		
40			
41	Generation Composite Interest Rate	3.507%	Cost of Capital Worksheet, C6L11
42			
43			
44	<b>G. Corps Generation Fixed Charge Rate</b>		
45			
46	Operation and Maintenance Expense	9.938%	L8
47			
48	A&G Expense	0.000%	L17
49			
50	Depreciation Expense	2.527%	L26
51			
52	Taxes Other than Income Taxes	0.000%	
53			
54	Allocation of General Plant to Generation	0.000%	
55			
56	Weighted Cost of Capital	3.507%	L41
57			
58	Total	15.972%	

**Three deviation bandwidths** – applied hourly to any energy imbalance as a result of Transmission Customer's scheduled transaction(s) -

- 1. Deviations within  $\pm 1.5\%$  (minimum 2 MW)** will be netted on a monthly basis and settled financially at the end of the month at 100% of the average incremental cost for the month.

- 2. Deviations greater than  $\pm 1.5\%$  up to  $7.5\%$  (greater than 2 MW up to 10 MW) will be settled financially at the end of the month at:**
- 110% of incremental cost when energy taken in a schedule hour is greater than energy scheduled; and
  - 90% of incremental cost when energy taken in a schedule hour is less than the scheduled amount.

- 3. Deviations greater than  $\pm 7.5\%$  (or 10 MW) will be settled financially at the end of the month at:**
- 125% of the incremental cost when energy taken in a schedule hour that is greater than energy scheduled; or
  - 75% of the incremental cost when energy taken is less than the scheduled amount.

## Incremental Cost -

- Western's incremental cost will be based upon a representative hourly energy index or combination of indexes.
- Index(es) will be posted on OASIS prior to use.
- Will not be changed more often than once per year (unless Western determines existing index is no longer a reliable price index).

# Rates for Operating Reserves Service – Spinning and Supplemental

- Operating Reserves Formula Rate

$$\begin{array}{l} \text{Reserves} \\ \text{Rate} \\ \text{per kW-Mo} \end{array} = \frac{\text{Annual Revenue Requirement for Reserves}}{\text{Load Requiring Reserves}}$$



# Rates for Operating Reserves Service – Spinning and Supplemental

## Rate for Reserves for 2013

A.	Fixed Charge Rate	17.846%	(1)
B.	Generation Net Plant Costs	<u>\$ 473,919,619</u>	(2)
C.	Annual Cost of Generation	<u>\$ 84,575,695</u>	(A x B)
D.	Plant Capacity (kW)	<u>2,420,000</u>	
E.	Cost/kW (\$/kW-Yr)	\$ 34.95	(C / D)
F.	Monthly Charge (\$/kW-mo)	\$ 2.91	(E / 12 months)
G.	Western's Load (kW-Yr)	1,578,000	(3)
H.	Capacity used for Reserves (kW)	91,000	(4)
I.	Annual Reserves Revenue Requirement	\$ 3,180,450	( E x H)
J.	Annual Charge (\$/kW-Yr)	\$ 2.02	(I /G)
K.	Monthly Charge (\$/kW-mo)	\$ 0.17	(J /12)

- (1) Page 3 of 3, "Determination of Pick-Sloan Missouri Basin Program, Eastern Division Annual Generation Revenue Requirement", for 2013 Rate.
- (2) Generation Net Plant Costs include the total Eastern Division Pick-Sloan Generation Plant-in-Service less total generation plant depreciation.
- (3) Average of Western's monthly peaks for 2011.
- (4) Southwest Power Pool Reserve Sharing System.



# Fixed Charge Rate - Operating Reserves Service – Spinning and Supplemental

## *DETERMINATION OF PICK-SLOAN MISSOURI BASIN PROGRAM, EASTERN DIVISION ANNUAL GENERATION REVENUE REQUIREMENT*

*Western Area Power Administration  
Upper Great Plains Region*

Line No.	Description	Amount	Notes
1			
2	<b>A. Operation and Maintenance Expense for Generation</b>		
3			
4	Generation O&M Expense	\$78,351,000	O&M Expenses Worksheet, C6L19
5			
6	Net Generation Plant Investment	\$654,099,613	Net Plant Investment Worksheet, C6L12
7			
8	O&M as % of Net Generation Plant Investment	11.978%	L4/L6
9			
10			
11	<b>B. A&amp;G Expense for Generation</b>		
12			
13	Generation A&G Expense	\$308,351	A&G Expenses Worksheet, C6L18
14			
15	Net Generation Plant Investment	\$654,099,613	L6
16			
17	A&G as % of Net Generation Plant Investment	0.047%	L13/L15
18			
19			



# Fixed Charge Rate - Operating Reserves Service – Spinning and Supplemental (Cont.)

20	<b>C. Depreciation Expense for Generation</b>		
21			
22	Generation Depreciation Expense	\$15,137,195	Depreciation Expense Worksheet, C6L6
23			
24	Net Generation Plant Investment	\$654,099,613	L6
25			
26	Depreciation as a % of Net Generation Plant Investment	2.314%	L22/L24
27			
28			
29	<b>D. Taxes Other than Income Taxes for Generation</b>		
30			
31	Not applicable.		
32			
33			
34	<b>E. Allocation of General Plant to Generation</b>		
35			
36	No General Plant identified at this time, all either generation or transmission related.		
37			
38			



# Fixed Charge Rate - Operating Reserves Service – Spinning and Supplemental (Cont.)

39	<b>F. Cost of Capital</b>		
40			
41	Generation Composite Interest Rate	3.507%	Cost of Capital Worksheet, C6L11
42			
43			
44	<b>G. Generation Fixed Charge Rate</b>		
45			
46	Operation and Maintenance Expense	11.978%	L8
47			
48	A&G Expense	0.047%	L17
49			
50	Depreciation Expense	2.314%	L26
51			
52	Taxes Other than Income Taxes	0.000%	
53			
54	Allocation of General Plant to Generation	0.000%	
55			
56	Weighted Cost of Capital	3.507%	L41
57			
58	Total	17.846%	

**Three deviation bandwidths** – applied hourly to any generator imbalance as a result of Transmission Customer’s scheduled transaction(s).

- 1. Deviations within  $\pm 1.5\%$  (minimum 2 MW)** will be netted on a monthly basis and settled financially at the end of the month at 100% of the average incremental cost for the month.

- 2. Deviations greater than  $\pm 1.5\%$  up to  $7.5\%$  (greater than 2 MW up to 10 MW) will be settled financially at the end of the month at:**
- 110% of incremental cost when energy delivered in a schedule hour is less than energy scheduled; and
  - 90% of incremental cost when energy delivered in a schedule hour is greater than the scheduled amount.

- 3. Deviations greater than  $\pm 7.5\%$  (or 10 MW) will be settled financially at the end of the month at:**
- 125% when energy delivered in a schedule hour is less than energy scheduled; or
  - 75% when energy delivered is greater than the scheduled amount.

**Exception:** Intermittent resources will be exempt from this deviation band and will pay the deviation band charges for all deviations greater than the larger of 1.5% or 2 MW.

## Incremental Cost:

- Western's incremental cost - based upon representative hourly energy index or combination of indexes.
- Index(es) posted on OASIS prior to use.
- Will not be changed more often than once per year (unless Western determines existing index is no longer a reliable price index).

# Rate for Generator Imbalance Service (Continued)

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Western may charge a Transmission Customer for either *hourly generator imbalances* or *hourly energy imbalances for imbalances occurring within the same hour*, but not both, unless the imbalances aggravate rather than offset each other.

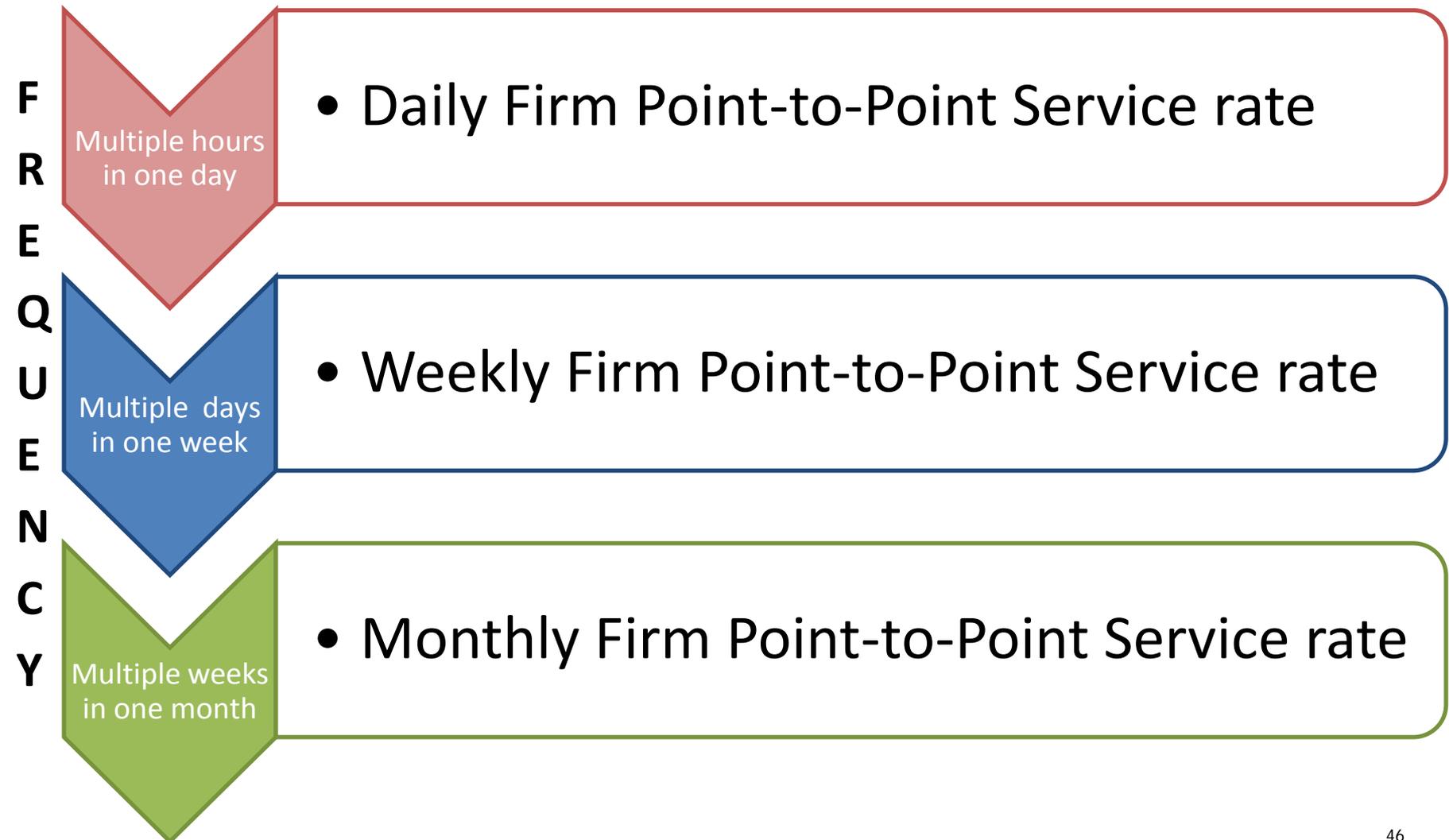
Penalty applies when:

- Firm reserved capacity is exceeded at any **Point of Receipt** or **Point of Delivery**; *or*
- There is use of Transmission Service at a **Point of Receipt** or **Point of Delivery** that is not reserved.
- In addition to payment for transmission service and penalty – customer is required to pay for all Ancillary Services in Open Access Transmission Tariff (OATT) *(provided by Western and associated with the unreserved use).*

- 200% of Western's approved transmission service rate for point-to-point transmission service assessed as follows:
  - The penalty for a single hour – based on the rate for daily Firm Point-to-Point Service.
  - The penalty for more than one assessment of a given duration – increases to next longest duration.

# Penalty Calculation (Continue)

## R A T E





## Contact Information

Materials will be posted on Website:  
<http://www.wapa.gov/ugp/rates/default.htm>

### Contacts:

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Thank you for your attention. Please provide written comments or questions, via email or letter, by October 31, 2012.

