



May 31, 2013

VIA ELECTRONIC FILING

The Honorable Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: Modifications to the Long-Term Power Transactions Agreement between Arizona
Public Service Company and PacifiCorp
Docket No. ER13-_____

Dear Secretary Bose:

Pursuant to Section 205 of the Federal Power Act ("FPA"), 16 U.S.C. § 824d, and Part 35 of the Regulations of the Federal Energy Regulatory Commission ("FERC" or "Commission"), 18 C.F.R. Part 35 (2013), Arizona Public Service Company ("APS") hereby files proposed revisions to the Reciprocal Transmission Service Agreement ("Agreement") between APS and PacifiCorp ("PAC") designated as part of FERC Electric Rate Schedule No. 183.

I. COMMUNICATIONS

APS, a wholly owned subsidiary of Pinnacle West Capital Corporation, is a vertically-integrated public utility doing business under the laws of the State of Arizona. APS is engaged in generating, transmitting, and distributing electricity in eleven of Arizona's fifteen counties. APS serves more than one million retail electric customers and participates in wholesale markets throughout the Western Interconnection. APS provides transmission service pursuant to an Open Access Transmission Tariff ("OATT") and owns facilities used for the sale of transmission of electric energy in interstate commerce.

Communications regarding this filing should be sent to the following individuals:

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II. DESCRIPTION OF RATE CHANGE

The Commission accepted the Agreement and designated it as Supplement 3 to APS FERC Rate Schedule No. 183 on October 27, 1994.¹ The Agreement provides PAC 30 MWs of transmission service from Cholla to Four Corners on the APS system. The transmission rate for transmission service is identified in Exhibit A as \$1.52/kW per month until PAC can provide reciprocal transmission service to APS on its system from Borah Brady to Four Corners, at which time the transmission services are to be offered in exchange for each other. This filing addresses the rate for transmission service to PAC pursuant to Exhibit A of the Agreement.

APS seeks to update the transmission rate it charges PAC for service under the Agreement. The rate identified in Exhibit A of the Agreement was the current APS transmission rate at the time of the Agreement's execution in 1989.² APS now seeks, pursuant to Section 7.7 of the Agreement,³ to update the transmission rate charged for service under the Agreement to reflect APS's OATT transmission rate. APS's OATT transmission rate adjusts annually based on actual costs incurred as applied to a Commission approved formula.⁴ APS also proposes to change PAC for real power transmission losses incurred on its system. In accordance with Sections 6 and 7.7 of the Agreement, APS submits this instant application for modification to the rate which APS charges PAC for service pursuant to the Agreement.

APS is not currently recovering its actual costs of providing transmission service to PAC under the Agreement. Thus, APS is seeking to modify the rate charged pursuant to the Agreement to reflect its actual cost of service. APS proposes that the rate for service pursuant to the Agreement adjust annually with the rate for long-term point-to-point transmission service set forth in APS's OATT. The rate for long-term point-to-point transmission service is appropriate because the transmission service provided by APS to PAC under the Agreement is comparable to the long-term point-to-point transmission service provided under APS's OATT. The rate for long-term point-to-point transmission service is based on actual costs incurred by APS. The costs are applied to an approved formula to generate an annual rate for service.⁵ The modification requested herein, which will allow APS to update the transmission rate it charges for service under the Agreement on an annual basis, will ensure that APS will adequately recover its actual costs of providing service going forward.

¹ Arizona Public Service Co., Letter Order, Docket No. ER94-1171-000 (Oct. 27, 1994).
² Arizona Public Service Co., Docket No. ER89-265-005 (September 19, 1989).
³ Section 7.7 of the Agreement provides, *inter alia*, that either party may "unilaterally make application to the FERC for a change, with respect to the service it is rendering to the other Party, in classification, or service, or any provision, term, rate, regulation, condition or contract relating thereto, under Section 205 to the Federal Power Act."
⁴ APS's formula transmission rate was approved by the Commission on July 25, 2008. *Arizona Public Service Co.*, 124 FERC ¶ 61,088 (2008).
⁵ *Id.*

In addition, APS is seeking compensation for its real power transmission losses resulting from PacifiCorp's scheduling of energy on the APS system. APS experiences a 2.5% loss factor for energy using its transmission system. However, the Agreement does not currently provide for the reimbursement by PAC for energy produced by APS to compensate for system losses resulting from PAC's scheduling of energy across APS's system. APS is proposing to settle real power transmission losses consistent with its Business Practice for Transmission Loss Payment for Point to Point Service – which is included as Attachment 3.

APS does not need to construct new facilities or modify existing facilities in order to implement the proposed rate changes. APS does not seek to modify service but rather modify the compensation pursuant to the Agreement.

III. RATE IMPACTS

Pursuant to the APS OATT, APS settles real power transmission losses using an hourly pricing proxy. The hourly pricing proxy is calculated using the average published day ahead Dow Jones Electricity Price Index for Palo Verde, Four Corners, and Mead for on-peak and off-peak prices. APS applies the 2.5% loss factor to the actual schedules to calculate real power transmission losses. Real power transmission losses are then multiplied by the hourly pricing proxy to determine the financial value of the incurred losses. APS estimates the rate impact for losses based on the maximum 30 MW PAC usage over the most recent historic twelve months of Dow Jones Electricity Price Indices. APS has included this analysis as Attachment 4 to this filing. Additionally, APS evaluated the rate impact for transmission service provided under the Agreement based on its rate for long-term point-to-point service. APS compared the current transmission rate in the Agreement to the new transmission rate of \$2,938.33, which is anticipated to be effective on June 1, 2013.⁹ The rates were compared for the 30 MW of contractual demand over a period of twelve months. The results are specified below:

	Existing Rate	Proposed Rate
Maximum real power transmission losses	\$0.00	\$191,990.00
Annual service pursuant to the Agreement	\$547,200.00	\$1,057,798.80
Total	\$547,200.00	\$1,249,788.80
Difference		\$702,588.80

⁹ Arizona Public Service Co., Letter from L. Snook to K. Bose, Docket No. ER11-3638-000 (May 14, 2013).

IV. COMPARISON TO SIMILAR SERVICES

The service provided under the Agreement is comparable to the long-term firm point-to-point transmission service that APS provides pursuant to its OATT because both contemplate the provision of transmission service over a set path between a stated receipt point and a stated delivery point. In addition, like the long-term firm point-to-point transmission service provided by APS under its OATT, the service provided under the Agreement provides PAC with priority service over the specified path. Thus, APS has chosen the rate charged for the long-term firm point-to-point transmission service as the proposed rate for service provided under the Agreement.

V. REQUESTS FOR WAIVER

APS requests waiver of any additional reporting requirements in 18 C.F.R. §35.13, that may otherwise be required. The proposed modifications to the Agreement are based on approved rates for similar service APS currently provides. Thus, the proposed rates have undergone extensive cost justifications and have been approved by the Commission.

VI. CONTENTS OF FILING

1. This transmittal letter;
2. Attachment 1 – Rate Schedule No. 183, clean tariff
3. Attachment 2 – Rate Schedule No. 183, marked tariff
4. Attachment 3 – APS Business Practice for Transmission Loss Payment for Point to Point Service; and
5. Attachment 4 – Rate impact support information.

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VII. CONCLUSION

APS respectfully requests that the Commission grant the authorization requested herein with an effective date of August 1, 2013.

Sincerely,



Raymond Myford
Manager, Federal Regulation

Cc:

Steve Olea, Director
Utilities Division
Arizona Corporation Commission
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Director, Marketing & Trading Contracts
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Public Utility Commission of Oregon
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Salem, Oregon 97301-2551

Utah Public Service Commission
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Salt Lake City, Utah 84111

Washington Utilities and Transportation Commission
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Olympia, Washington 98504-7520

Montana Public Service Commission
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Helena, Montana 59620-2601

Public Service Commission of Wyoming
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Cheyenne, Wyoming 82002

Idaho Public Utilities Commission
P.O. Box 83720
Boise, Idaho 83720-0074

Wesley Franklin, Executive Director
California Public Utilities Commission
State Building
505 Van Ness Avenue, Room 5222
San Francisco, California 94102

Arizona Public Service Company submits

FERC Rate Schedule No. 183
Long-Term Power Transactions Agreement and
Asset Purchase and Power Exchange Agreement

between
Arizona Public Service Company Transmission
and
PacifiCorp

Tariff Program Code: E
Option Code: A
Tariff Record Title:
Power Transactions and Asset Purchase and Power
Exchange Agreement,
to be effective August 1, 2013

Amendment No. 1 to the Long-Term Power
Transactions Agreement and Asset Purchase and Power
Exchange Agreement

This Amendment No. 1 to the Long-Term Power

Transactions Agreement and Asset Purchase and Power Exchange
Agreement ("Amendment No. 1"), dated this 5TH day of

April, 1995, is between PacifiCorp, an Oregon
corporation, and Arizona Public Service Company, an Arizona
corporation ("APS"). PacifiCorp and APS are sometimes referred
to herein collectively as "Parties" and individually as
"Party."

On September 21, 1990, the Parties entered into a
series of agreements including a "Transmission Agreement," a
"Long-Term Power Transactions Agreement" and an "Asset Purchase
and Power Exchange Agreement" ("Asset Agreement").

In light of changed circumstances, the Parties have
determined that the aforementioned three agreements should be
amended. To that end, on even date herewith, the Parties have
executed a Restated Transmission Agreement. Furthermore, the
Parties agree that the Long-Term Power Transactions Agreement
and the Asset Agreement shall be amended as follows:

1. Subsection 1.13 of the Long-Term Power Transactions
Agreement is hereby amended by deleting that subsection in its
entirety and substituting the following therefor:

Page 1 -
Amendment No. 1 to the Long-Term Power
Transactions Agreement and Asset Purchase and
Power Exchange Agreement (PacifiCorp/APS)

"1.13 'Point of Delivery' for all transactions hereunder means (1) Four Corners; (2) the Glen Canyon Substation or, in the event the Navajo Loop-In Project is constructed, Navajo; (3) the Pinnacle Peak Substation of the Western Area Power Administration; (4) such other location(s) as may be established by mutual agreement of the Parties' dispatchers, schedulers, or authorized representatives; and (5) the Cholla Generating Station 500 KV switchyard under the circumstances described in Subsection 15.03 of the Asset Agreement and Subsection 7.5 of this Agreement."

2. Subsection 3.3 of the Long-Term Power Transactions Agreement is hereby amended by deleting that subsection in its entirety and substituting the following therefor: *(Revised 5.3 of 1/17/18)*

"3.3 Increased Capacity Exchange. Upon the later of (3) the completion of the West/Pioenix line or (4) May 15, 1997, and for the balance of the term of this Agreement, 100 megawatts of Exchange Capacity shall be made available in addition to any Exchange Capacity available as a result of the exchange option provided for in Subsection 3.2, subject to the same terms and conditions set forth in Subsections 3.2.1, 3.2.2, 3.2.3 and 3.2.4."

3. Subsections 15.01 and 15.02 of the Asset Agreement are hereby amended by deleting those subsections in their entirety and substituting the following therefor: *(This original section is also amended by page 59)*

"15. Transmission.

"15.01 In addition to the transmission rights provided for in Section 13, during the term of this Agreement, PacifiCorp shall have a firm right to schedule a net of 350 MW of power at (a) Pinnacle Peak or, in the event the Navajo Loop-In Project is constructed, Navajo; (b) Four Corners; (c) the Cholla Generating Station switchyard; (d) the Existing Combustion Turbines; (e) Combustion

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turbines installed pursuant to Section 12; and (f) Palo Verde/Westwing, subject to the limitations set forth in Subsection 15.02.

"15.02 PacifiCorp's transfer rights shall be subject to Subsection 15.03 and shall be limited as follows:

"(a) Except as further limited by paragraphs (b) and (c), PacifiCorp may not make a transmission request which, in and of itself, (1) results in a net schedule of more than 350 MW or (2) results in total exports from APS' control area of more than 350 MW. PacifiCorp's net schedule shall be calculated as the algebraic sum of transfers into APS' control area and PacifiCorp generation internal to APS' control area (counted as positive values) and transfers out of APS' control area (counted as negative values).

"(b) When the output of Unit 4 is reduced below 150 MW for any reason, PacifiCorp's right to schedule deliveries to Palo Verde from Pinnacle Peak/Four Corners shall be reduced megawatt-for-megawatt to the extent Unit 4 output is reduced below 150 MW.

"(c) Transfers of power and energy under this Section 15 shall not include Firm Capacity acquired by APS from PacifiCorp under the Power Agreement and delivered by PacifiCorp at Glen Canyon/Four Corners."

This Amendment No. 1 shall be effective upon its approval or acceptance for filing by the Federal Energy Regulatory Commission.

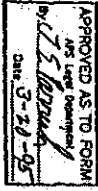
Page 3 - Amendment No. 1 to the Long-Term Power Transactions Agreement and Asset Purchase and Power Exchange Agreement (PacifiCorp/APS)

IN WITNESS WHEREOF, the Parties have signed this Agreement as of the date first above written.

PacifiCorp

By: Blaine D. Hieggel
Title: Vice President, Power Systems

Arizona Public Service Company



Jack Thomas
Title: Transmission

Arizona Public Service Company submits

FERC Rate Schedule No. 183
Reciprocal Transmission Service Agreement

between
Arizona Public Service Company Transmission
and
PacifiCorp

Tariff Program Code: E
Option Code: A
Tariff Record Title:
Reciprocal Transmission Service Agreement,
to be effective August 1, 2013

1	RECIPROCAL TRANSMISSION SERVICE AGREEMENT
2	BETWEEN
3	ARIZONA PUBLIC SERVICE COMPANY
4	AND
5	PACIFICORP
6	APS Contract No. 48138
7	
8	
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12	
13	
14	By Federal Energy Regulatory Commission ("FERC") order/ notice of
15	acceptance dated _____ In FERC Docket No. _____,
16	this Agreement, Arizona Public Service Company Rate Schedule FERC Rate
17	Schedule No. _____ and Pacificorp FERC Rate Schedule No. _____,
18	was accepted for filing and permitted to become effective in accordance
19	with Section 5.2 of this Agreement on the _____ day of
20	_____, 19____.
21	
22	
23	
24	
25	EXHIBITION COPY
26	

*File approved
July 11, 1994
Docket # ER 94-171-000
originally filed on April 26, 1994*

1	RECIPROCAL TRANSMISSION SERVICE AGREEMENT	
2	BETWEEN	
3	ARIZONA PUBLIC SERVICE COMPANY	
4	AND	
5	PACIFICORP	
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RECIPROCAL TRANSMISSION SERVICE AGREEMENT
BETWEEN
ARIZONA PUBLIC SERVICE COMPANY
AND
PACIFICORP

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RECIPROCAL TRANSMISSION SERVICE AGREEMENT
BETWEEN
ARIZONA PUBLIC SERVICE COMPANY
AND
PACIFICORP

1. PARTIES:
The Parties to this Reciprocal Transmission Service Agreement ("Agreement") are ARIZONA PUBLIC SERVICE COMPANY, an Arizona corporation ("APS"), and PACIFICORP, an Oregon corporation ("PacificCorp"), hereinafter collectively referred to as "Parties" and individually as "Party."

2. RECITALS:
This Agreement is entered into with reference, in part, to the following:
2.1 APS and PacificCorp are engaged in the generation, transmission and distribution of electric power and energy in the western United States.
2.2 The Parties have taken steps through a series of prior agreements to enhance the efficient operation of their respective systems by taking advantage of the diversity of their loads and generation facilities.
2.3 PacificCorp owns the Cholla Unit No. 4 at the Cholla Generation Station and has increased the net generating capability of the Cholla Unit No. 4 from 350 MW to 380 MW effective October 1, 1993.
2.4 To integrate the increase in the net generating capability of the Cholla Unit No. 4 into PacificCorp's system, PacificCorp

1 has requested south to north firm transmission service from
 2 AFS, on the Cholla/Four Corners System, in addition to the
 3 transmission service provided by AFS under the September 21,
 4 1990 transmission agreement between the Parties.
 5 2.5 Pending the execution of this Agreement and acceptance for
 6 filing by the FERC, AFS has been providing firm transmission
 7 service for the increase in the net generating capability of
 8 the Cholla Unit No. 4 under the terms and conditions of the
 9 Western System Power Pool Agreement.
 10 2.6 AFS desires south to north firm transmission service on the
 11 Four Corners/Borah-Brady System.
 12 2.7 In keeping with the Parties' continuing efforts to study and
 13 discuss additional arrangements to benefit the Parties and
 14 enhance the efficiencies of their respective systems which
 15 will insure to the benefit of their customers, and in the
 16 event PacifiCorp's Four Corners/Borah-Brady System is able to
 17 accommodate Reciprocal Transmission Service, AFS and
 18 PacifiCorp recognize the mutual benefits of and agree to
 19 provide Reciprocal Transmission Service to each other over
 20 the Cholla/Four Corners System and the Four Corners/Borah-
 21 Brady System, respectively, under the terms hereof.
 22 2.8 Until the Four Corners/Borah-Brady System is able to
 23 accommodate additional transmission for AFS, which will
 24 initiate such Reciprocal Transmission Service, AFS agrees to
 25 provide PacifiCorp with Transmission Service under the terms
 26 hereof.

1 3. **ENTIRE AGREEMENT:**
 2 This Agreement shall constitute the entire contract between the
 3 Parties and shall supersede all prior proposals, agreements,
 4 representations, negotiations, or letters pertaining to the
 5 Reciprocal Transmission Service to be provided hereunder, whether
 6 written or oral. The Parties shall not be bound by or be liable
 7 for any statement, representation, promise, inducement, or
 8 understanding of any nature not set forth in this Agreement. Any
 9 changes to the provisions of this Agreement shall not be valid
 10 unless mutually agreed upon in writing by the Parties.
 11 4. **DEFINITIONS:**
 12 The following terms, when used in this Agreement shall have the
 13 meanings specified:
 14 4.1 **Authorized Representative(s):** A representative of AFS and a
 15 representative of PacifiCorp who are authorized to act in
 16 behalf of their respective Party in the implementation of
 17 this Agreement.
 18 4.2 **Cholla/Four Corners System:** AFS' electric
 19 transmission system between the Cholla Power Plant
 20 500 kv substation and the Four Corners Power Plant
 21 345 kv substation.
 22 4.3 **Due Date:** The Fifteenth (15th) calendar day after the
 23 invoice date or after the Facilitator's date of the invoice,
 24 whichever is earlier.
 25 4.4 **FERC:** The Federal Energy Regulatory Commission.
 26 4.5 **Four Corners/Borah-Brady System:** PacifiCorp's

1	electric transmission system between the Four
2	Corners Power Plant 345 KV switchyard and the Borah
3	and Brady substations in southern Idaho.
4	
5	4.6 <u>Interest</u> : Interest compounded monthly at the rate per annum
6	quoted by Citibank, NA, New York, New York as the prime
7	interest rate quoted as of the first day of each month in
8	which a payment is overdue, plus three percent (3%). APS may
9	change the designated banking institution stated herein by
10	providing PacificCorp with fifteen (15) day advance written
11	notice.
12	4.7 <u>KV</u> : Kilovolt or kilovolts.
13	4.8 <u>KWH</u> : Kilowatt-hour or kilowatt-hours.
14	4.9 <u>ME</u> : Megawatt or megawatts.
15	4.10 <u>Point of Delivery</u> : For the Cholla/Four Corners System, the
16	point of interconnection between the Parties in the Four
17	Corners Power Plant 345 KV switchyard and, for the Four
18	Corners/Borah-Brady System, the Borah and/or Brady
19	Substations.
20	4.11 <u>Point of Receipt</u> : For the Cholla/Four Corners System, the
21	point of interconnection between the Parties in the Cholla
22	Power Plant 500 KV switchyard and, for the Four
23	Corners/Borah-Brady System, the point of interconnection
24	between APS and PacificCorp in the Four Corners Power Plant
25	345 KV switchyard.
26	4.12 <u>Reciprocal Transmission Demand</u> : For the Cholla/Four Corners
	System, the 30,000 KW of firm transmission capacity APS shall

1	be obligated to provide for PacificCorp on the Cholla/Four
2	Corners System from the Point of Receipt to the Point of
3	Delivery. For the Four Corners/Borah-Brady System, the 30,000
4	KW of firm transmission capacity PacificCorp is obligated to
5	provide for APS on the Four Corners/Borah-Brady System from
6	the Point of Receipt to the Point of Delivery.
7	
8	4.13 <u>Reciprocal Transmission Service</u> : The firm transmission
9	capacity provided by APS to PacificCorp over the Cholla/Four
10	Corners System from the Point of Receipt to the Point of
11	Delivery and by PacificCorp to APS over the Four
12	Corners/Borah-Brady System from the Point of Receipt to the
13	Point of Delivery up to the Reciprocal Transmission Demand at
14	no cost to the Parties.
15	4.14 <u>Transmission Demand</u> : The 30,000 KW of firm capacity APS
16	shall be obligated to provide and PacificCorp is obligated to
17	pay for on the Cholla/Four Corners System from the Point of
18	Receipt to the Point of Delivery.
19	4.15 <u>Transmission Service</u> : The firm capacity provided by APS to
20	PacificCorp from south to north over the Cholla/Four Corners
21	System from the Point of Receipt to the Point of Delivery up
22	to the Transmission Demand in accordance with the rates and
23	charges in Section 6.
24	4.16 <u>Uncontrollable Forces</u> : Any cause beyond the control of the
25	Party affected, including, but not limited to, failure of
26	facilities, flood, earthquakes, storm, fire, lightning,
	epidemic, war, riot, civil disturbance, labor disturbance.

1 sabotage, restraint by court order or public authority, which
 2 by exercise of due diligence would not be able to overcome.
 3
 4 5. SPECIAL PROVISIONS:
 5
 6 5.1 Reciprocal Transmission Service: The Parties shall provide
 7 each other Reciprocal Transmission Service; however, the
 8 Parties' obligations to provide the Reciprocal Transmission
 9 Service shall not begin until such time as the Four
 10 Corners/Borah-Brady System, as solely determined by
 11 PacificCorp, has sufficient capacity to provide AFS all of its
 12 Reciprocal Transmission Demands. Until such time, PacificCorp
 13 shall pay AFS for Transmission Service on the Choilla/Four
 14 Corners System. Reciprocal Transmission Service shall begin
 15 on the first day of the calendar month following the month
 16 PacificCorp determines that transmission capacity is available
 17 on the Four Corners/Borah-Brady System.
 18
 19 5.2 Effectivity Date, Acceptance and Terms:
 20
 21 5.2.1 This Agreement shall become effective upon execution
 22 and acceptance for filing by the FERC and permitted
 23 to become effective under the rules and regulations
 24 of the FERC.
 25 5.2.2 The Parties agree to waive of FERC's filing and
 26 notice requirements in order to permit the early
 filing and acceptance of this Agreement.
 5.2.3 The Parties agree to fully participate in any FERC
 hearing and/or court proceeding regarding this
 Agreement.

1 5.2.4 The Parties concur with all rates and charges and all
 2 terms and conditions in this Agreement and, upon the
 3 FERC filing, the Parties agree to support the
 4 acceptance in full of this Agreement.
 5
 6 5.2.5 If upon the filing of this Agreement, FERC orders a
 7 hearing to determine whether this Agreement is just
 8 and reasonable, this Agreement shall not become
 9 effective until the date when an order no longer
 10 subject to judicial review has been issued by the
 11 FERC determining this Agreement to be just and
 12 reasonable.
 13
 14 5.2.6 If, as the result of the filing, FERC modifies or
 15 conditions any of the rates and conditions, rates or
 16 charges of this Agreement, and such modification or
 17 condition is objectionable to either PacificCorp or
 18 AFS for whatever reason and as solely determined by
 19 PacificCorp or AFS, this Agreement shall terminate and
 20 be of no further force or effect upon written notice
 21 of such objection by either Party within thirty (30)
 22 days from the date of FERC's order modifying or
 23 conditioning this Agreement. In the event that
 24 neither PacificCorp nor AFS provide written notice,
 25 this Agreement shall be deemed accepted as
 26 conditioned or modified.
 5.2.7 The terms of this Agreement shall be from the
 effective date and shall remain in effect for the

1 terms of the Transmission Agreement between PacifiCorp
 2 and AFS, dated September 21, 1990 (AFS Contract No.
 3 48015).

4 5.3 Authorized Representatives:

5 5.3.1 Within thirty (30) days after the execution of this
 6 Agreement, each Party shall designate its Authorized
 7 Representatives by giving written notice to the other
 8 Party. Either Party may change its Authorized
 9 Representative by giving written notice to the other
 10 Party at anytime. The functions and responsibilities
 11 of the Authorized Representatives shall be:

12 5.3.1.1 To establish procedures and standard
 13 practices (consistent with the provisions
 14 hereof) for the guidance of system load
 15 dispatchers and other operating employees
 16 as to matters affecting interconnected
 17 operations of the respective systems
 18 related to this Agreement, including but
 19 not limited to scheduled maintenance and
 20 repair;

21 5.3.1.2 To do such other things as are necessary to
 22 administer and implement this Agreement;
 23 provided that the Authorized Representatives shall
 24 have no authority to amend any of the provisions of
 25 this Agreement.

26 5.3.2 The establishment of any practice or procedure and

1 any other action or determination by the authorized
 2 Representatives shall be effective when signed by the
 3 designated Authorized Representatives of both
 4 Parties.

5 6. RATES FOR TRANSMISSION SERVICE: Initially, the rates and related
 6 charges for Transmission Service rendered by AFS to PacifiCorp will
 7 be computed in accordance with Exhibit A unless changed in
 8 accordance with Section 7.7 of this Agreement. PacifiCorp shall
 9 take or pay for the Transmission Demand under this Agreement, which
 10 amount shall constitute the monthly minimum, until such time as
 11 Reciprocal Transmission Service commences, pursuant to Section 5.1.

12 7. GENERAL TERMS AND CONDITIONS:

13 7.1 Notifications:

14 7.1.1 Notifications under this Agreement, except written
 15 notices required or authorized herein, may be made by
 16 telephone or other means between the authorized
 17 Representatives established pursuant to Section
 18 5.3.1. Any written notices, demands or requests
 19 given under Sections 7.1.2 and 7.1.3 hereof shall be
 20 delivered in person or mailed as follows:

21 For PacifiCorp:
 22 Vice President, Power Systems & Development
 23 PacifiCorp
 24 700 NE Hulmeoach, Suite 1600
 25 Portland, Oregon 97232-4116

26 For AFS:
 Arizona Public Service Company
 c/o Secretary
 P.O. Box 53999
 Phoenix, Arizona 85072-3999

1 Either Party may change such designations from time
 2 to time by giving written notice to the other Party.
 3 7.1.2 Except as set forth in Section 7.1.1 hereof, where
 4 any notice, demand or request provided for in this
 5 Agreement must be given within a specific period of
 6 time, such notice, demand or request shall be in
 7 writing, and shall be deemed properly served, given
 8 or made, if sent by registered or certified mail,
 9 postage prepaid, to the person(s) that have been
 10 designated in accordance with Section 7.1.1 hereof.
 11 7.1.3 Communications between the Parties of a routine
 12 nature, when time is not of the essence, shall be
 13 deemed served, if delivered in person (or by agent of
 14 a Party), sent by facsimile or sent by
 15 first-class mail, postage prepaid, to the person(s)
 16 who have been designated in accordance with Section
 17 7.1.1 hereof.
 18 7.2 Electrical Load Characteristics:
 19 7.2.1 The Parties shall design, construct, operate,
 20 maintain and coordinate their respective facilities
 21 in accordance with generally accepted utility
 22 practices of the Western Systems Coordinating
 23 Council.
 24 7.2.2 Each Party shall use its best effort to construct,
 25 operate and maintain its system facilities so as to
 26 avoid the likelihood of a disturbance originating

1 from its system which might cause impairment of
 2 service in the system of the other Party.
 3 7.3 Uncontrollable Force: Neither Party to this Agreement shall
 4 be considered to be in default in the performance of any
 5 obligation hereunder if failure to perform shall be due to an
 6 uncontrollable force. The Parties shall not, however, be
 7 relieved of liability for failure of performance if such
 8 failure is due to causes arising out of removable or
 9 remediable causes which it fails to remove or remedy with
 10 reasonable dispatch. Any Party rendered unable, no fulfill
 11 any obligation by reason of an uncontrollable force shall
 12 exercise due diligence to remove such liability with all
 13 reasonable dispatch. Nothing contained herein, however,
 14 shall be construed to require a Party to prevent or settle a
 15 strike against its will.
 16 7.4 Indemnity:
 17 7.4.1 Neither Party ("First Party") shall be liable,
 18 whether in warranty, tort, or strict liability, to
 19 the other Party ("Second Party") for any injury or
 20 death to any person, or for any loss or damage to any
 21 property, caused by or arising out of any electric
 22 disturbance of the First Party's electric system,
 23 whether or not such electric disturbance resulted
 24 from the First Party's negligent act or omission.
 25 Each Second Party releases the First Party from, and
 26 shall indemnify and hold harmless the First Party

1 From, any such liability. As used in this Section
 2 7.4, (i) the term "Party" means, in addition to such
 3 Party itself, its agents, directors, officers, and
 4 employees; (ii) term "damage" means all damage,
 5 including consequential damage; and (iii) the term
 6 "persons" means any person, including those not
 7 connected with either Party to this Agreement.
 8 7.4.2 The provisions of this Section 7.4 shall not be
 9 construed so as to relieve any insurer of its
 10 obligation to pay any insurance proceeds. In
 11 accordance with the terms and conditions of any valid
 12 insurance policy of either Party.
 13 7.5 **Waiver:** The failure of either Party to insure upon strict
 14 performance of any of the provisions of this Agreement or the
 15 payment or acceptance of payment by either Party for all or
 16 part of the obligations under this Agreement shall not be
 17 deemed a waiver of any right or remedy otherwise available to
 18 either Party with respect to the future performance of such
 19 provisions.
 20 7.6 **Billing and Payment:**
 21 7.6.1 AFS shall render invoices to PacificCorp for
 22 Transmission Service on or before the fifteenth
 23 (15th) day of each calendar month for services
 24 furnished during the preceding billing period.
 25 7.6.2 PacificCorp shall pay AFS on or before the Due Date.
 26 PacificCorp shall mail the payment to AFS designated

1 office. PacificCorp may also pay invoices by
 2 electronic transfer if agreed to by the Parties.
 3 Amounts which are not received by AFS on or before
 4 the Due Date shall bear interest.
 5 7.6.3 In the event any portion of any invoice is disputed,
 6 PacificCorp shall pay the disputed amount under
 7 protest when due. If the protested portion of the
 8 payment is found to be incorrect, AFS shall refund to
 9 PacificCorp any payment due, including interest from
 10 the date AFS received payment to the date the refund
 11 check is mailed by AFS.
 12 7.7 **Unilateral Action:** Nothing contained in this Agreement shall
 13 be construed as affecting in any way, the right of either
 14 Party to unilaterally make application to the FERC for a
 15 change, with respect to the service it is rendering to the
 16 other Party, in classification, or service, or any provision,
 17 term, rule, rate, regulation, condition or contract relating
 18 thereto, under Section 205 of the Federal Power Act or any
 19 successor statute and pursuant to the FERC's rules and
 20 regulations promulgated thereunder; or the right of
 21 PacificCorp to request modifications with respect to the
 22 services rendered hereunder by AFS under Section 206 of the
 23 Federal Power Act and pursuant to the FERC's rules and
 24 regulations promulgated thereunder.
 25 7.8 **Assignment:**
 26 7.8.1 Neither Party shall assign this Agreement without the

1 prior written consent of the other Party, which
 2 consent may not be unreasonably withheld. The
 3 restrictions of this Section 7.8 shall not apply:
 4 7.8.1.1 to any corporation into which or into which
 5 the Party making the assignment is merged
 6 or consolidated or to which the Party
 7 transfers substantially all of its assets;
 8 7.8.1.2 to any person or entity wholly owned,
 9 wholly owned by, or wholly owned in common
 10 with the Party making the assignment.
 11 7.8.2 Subject to the foregoing restrictions in this Section
 12 7.8, this Agreement shall be binding upon, inure to
 13 the benefit of and be enforceable by the Parties and
 14 their respective successors and assigns.
 15 7.9 Regulatory Fees:
 16 7.9.1 Any regulatory filing fees related to any changes to
 17 this Agreement, or relative to either Party's
 18 decision to modify or to terminate this Agreement,
 19 shall be the responsibility of the Party initiating
 20 said action unless otherwise mutually agreed.
 21 7.9.2 The responsibility for any regulatory fees, charges,
 22 or assessments associated with Reciprocal
 23 Transmission Services under this Agreement, other than
 24 those described in Section 7.9.1 hereof, shall be
 25 equally shared by both Parties.
 26 7.9.3 The responsibility for any regulatory fees, charges,

1 or assessments associated with Transmission Services
 2 under this Agreement, other than those described in
 3 Section 7.9.1 hereof, shall be the responsibility of
 4 PacifiCorp to the extent that such charges or
 5 assessments are not already recovered in APS' charges
 6 to PacifiCorp for Transmission Services.
 7 7.10 Third Party Beneficiaries: This Agreement shall not be
 8 construed to create rights in, or to grant remedies to any
 9 third party as a beneficiary of this Agreement or of any
 10 duty, obligation, or undertaking established herein.
 11 7.11 Applicable Law: This Agreement shall be construed and
 12 interpreted in accordance with Arizona Law.
 13 7.12 Nondelegation of Facilities: The performance of the Parties
 14 pursuant to this Agreement shall not constitute the
 15 dedication of the electric system or any portion thereof of
 16 either Party to the other Party or to a third party, and it
 17 is understood and agreed that any right, interest, obligation
 18 or duty hereunder by either Party shall cease upon the
 19 termination of this Agreement.
 20 7.13 Interconnections:
 21 7.13.1 The Parties shall use due diligence to furnish
 22 uninterrupted Transmission Service or Reciprocal
 23 Transmission Services but do not guarantee
 24 uninterrupted transmission of a Party's capacity and
 25 energy.
 26 7.13.2 The Parties shall not be liable for any claim of

1 damage attributable to any interruption or reduction
 2 of Transmission Service or Reciprocal Transmission
 3 Service due to (i) an Uncontrollable Force as defined
 4 in the Agreement; (ii) any operating decisions, which
 5 in the operating Party's sole judgment are necessary
 6 to maintain reliable service or to protect its
 7 generation or transmission facilities or to ensure
 8 the safety of its employees or contractors; and (iii)
 9 necessary or routine maintenance, repairs,
 10 replacements, or installations of equipment, or the
 11 investigation and inspection of equipment. To the
 12 extent practicable, the Parties shall provide
 13 reasonable advance notice to each other of any
 14 scheduled interruptions, reductions or other
 15 impairments of Transmission Service or Reciprocal
 16 Transmission Service.

17 7.13.3 In the event it is necessary to curtail Transmission
 18 Service or Reciprocal Transmission Service because in
 19 the discretion of the Party providing such service,
 20 the transmission system over which such service is
 21 being provided is in jeopardy, AFS and PacificCorp
 22 shall curtail their respective transactions in the
 23 following order: (i) non-firm transactions that would
 24 mitigate such jeopardy shall be reduced
 25 proportionately and (ii) firm schedules shall be
 26 reduced proportionately with all other firm

1 transactions on the affected transmission system to a
 2 level necessary to remove such jeopardy; provided,
 3 however, the Parties in order to maintain system
 4 integrity, may utilize curtailment provisions which
 5 may vary from this principle in accordance with
 6 generally accepted utility practices.

7 7.13.4 The Parties shall endeavor to restore Transmission
 8 Service or Reciprocal Transmission Service as soon as
 9 practicable after an interruption.

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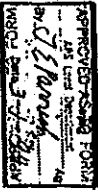
RECIPROCAL TRANSMISSION SERVICE AGREEMENT

BETWEEN
ARIZONA PUBLIC SERVICE
AND
PACIFICORP

EXHIBIT A

Rates for Transmission Service

8. SIGNATURE:
IN WITNESS WHEREOF, the Parties have caused this Agreement to be
executed by their duly authorized officers or representatives as of
the 2nd day of March, 1994.



ARIZONA PUBLIC SERVICE COMPANY
Signature: [Signature]
Name: Jack F. Davis
Title: Vice President
PACIFICORP
Signature: [Signature]
Name: Dennis P. Stimpert
Title: Vice President

1. Transmission Charge: Rate shall be consistent with that for long-term firm point-to-point transmission service as identified in Schedule 7 of the APS Open Access Transmission Tariff multiplied by the Transmission Demand. Additionally, PacificCorp shall compensate APS for real power transmission losses consistent with the APS Business Practice for Transmission Loss Payment for Point to Point Service.

2. Tax Charge: A Tax Charge of 0% shall be applied to the Transmission Charges in Section 1 Above, subject to the terms of Section 3 hereof. The 0% Tax Charge is to cover the Arizona Transaction Privilege (Sales) Tax or similar tax(es).

3. Sales Tax:

3.1 The Parties believe that the Transmission Service Being provided hereunder is not subject to transaction privilege tax (sales tax), excise tax or any similar tax ("Taxes"). If, and in the event that, the Arizona State Department of Revenue, Arizona cities or towns, or other governmental units ("Taxing Entity") issue(s) an assessment or notice of intent to assess for such Taxes, whether prospectively or retroactively, and any associated interest or penalties, APS shall notify PacificCorp of such Taxes.

3.2 APS shall pay the Taxing Entity the required retroactive Taxes and APS shall notify PacificCorp of such payment. The notification shall include a proof of such payment. The notification shall include a proof of payment satisfactory to PacificCorp. PacificCorp agrees to reimburse APS for the full amount of retroactive Taxes with any associated interest or penalties paid by APS, within fifteen (15) days of such notification.

3.3 PacificCorp shall have the right, upon notification and at its own expense, to participate with APS in any appeal or protest of an assessment of Taxes.

3.4 APS shall have the right to include Taxes in any future invoice rendered to PacificCorp after the date of notification specified in Section 3.1 hereof and prior to the date of a final determination, if any, that such Taxes are not due.

3.5 If any Taxes and associate interest and penalties paid by APS and for which APS was reimbursed by PacificCorp pursuant to Section 3.2 hereof, are refunded, or credited, by a Taxing Entity to APS, APS shall notify PacificCorp of such refund, or credit, within fifteen (15) days and APS shall promptly refund the amount of such refund, or credit, including any interest paid thereon.

3.6 Each Party to any proceeding pursuant to this Section 3 shall bear its own cost and expense, including attorney's fees, in connection therewith.

Revision No. One
Effective Date: August 1, 2013

Arizona Public Service Company submits

FERC Rate Schedule No. 183
Long-Term Power Transactions Agreement and
Asset Purchase and Power Exchange Agreement

between
Arizona Public Service Company Transmission
and
PacifiCorp

Tariff Program Code: E
Option Code: A
Tariff Record Title:
Power Transactions and Asset Purchase and Power
Exchange Agreement,
to be effective August 1, 2013

Amendment No. 1 to the Long-Term Power Transactions Agreement and Asset Purchase and Power Exchange Agreement

This Amendment No. 1 to the Long-Term Power

Transactions Agreement and Asset Purchase and Power Exchange Agreement ("Amendment No. 1"), dated this 5th day of

April, 1995, is between PacifiCorp, an Oregon

corporation, and Arizona Public Service Company, an Arizona

corporation ("APS"). PacifiCorp and APS are sometimes referred to herein collectively as "Parties" and individually as "Party."

On September 21, 1990, the Parties entered into a series of agreements including a "Transmission Agreement," a "Long-Term Power Transactions Agreement" and an "Asset Purchase and Power Exchange Agreement" ("Asset Agreement").

In light of changed circumstances, the Parties have determined that the aforementioned three agreements should be amended. To that end, on even date herewith, the Parties have executed a Restated Transmission Agreement. Furthermore, the Parties agree that the Long-Term Power Transactions Agreement and the Asset Agreement shall be amended as follows:

1. Subsection 1.13 of the Long-Term Power Transactions Agreement is hereby amended by deleting that subsection in its entirety and substituting the following therefor:

Page 1 - Amendment No. 1 to the Long-Term Power Transactions Agreement and Asset Purchase and Power Exchange Agreement (PacifiCorp/APS)

1.13 "Point of Delivery" for all transactions hereunder means (1) Four Corners; (2) the Glen Canyon Substation or, in the event the Navajo Loop-In Project is constructed, Navajo; (3) the Pinnacle Peak Substation of the Western Area Power Administration; (4) such other location(s) as may be established by mutual agreement of the Parties' dispatchers, schedulers, or authorized representatives; and (5) the Cholla Generating Station 500 kv switchyard under the circumstances described in Subsection 15.03 of the Asset Agreement and Subsection 7.5 of this Agreement."

2. Subsection 3.3 of the Long-Term Power Transactions Agreement is hereby amended by deleting that subsection in its entirety and substituting the following therefor:

3.3 Increased Capacity Exchange. Upon the later of (i) the completion of the Mead/Pheonix line or (ii) May 15, 1997, and for the balance of the term of this Agreement, 100 megawatts of Exchange Capacity shall be made available in addition to any Exchange Capacity available as a result of the exchange option provided for in Subsection 3.2, subject to the same terms and conditions set forth in Subsections 3.2.1, 3.2.2, 3.2.3 and 3.2.4."

3. Subsections 15.01 and 15.02 of the Asset Agreement are hereby amended by deleting those subsections in their entirety and substituting the following therefor:

15. Transmission

15.01 In addition to the transmission rights provided for in Section 13, during the term of this Agreement, PacifiCorp shall have a firm right to schedule a net of 350 MW of power at (a) Pinnacle Peak or, in the event the Navajo Loop-In Project is constructed, Navajo; (b) Four Corners; (c) the Cholla Generating Station switchyard; (d) the Existing Combustion Turbines; (e) Combustion

Page 2 - Amendment No. 1 to the Long-Term Power Transactions Agreement and Asset Purchase and Power Exchange Agreement (PacifiCorp/APS)

Turbines installed pursuant to Section 12; and (E) Palo Verde/Westing, subject to the limitations set forth in Subsection 15.02.

*15.02 PacifiCorp's transfer rights shall be subject to Subsection 15.03 and shall be limited as follows:

"(a) Except as further limited by paragraphs (b) and (c), PacifiCorp may not make a transmission request which, in and of itself, (1) results in a net schedule of more than 350 MW or (2) results in total exports from APS' control area of more than 350 MW. PacifiCorp's net schedule shall be calculated as the algebraic sum of transfers into APS' control area and PacifiCorp generation internal to APS' control area (counted as positive values) and transfers out of APS' control area (counted as negative values).

"(b) When the output of Unit 4 is reduced below 150 MW for any reason, PacifiCorp's right to schedule deliveries to Palo Verde from Pinnacle Peak/Four Corners shall be reduced megawatt-for-megawatt to the extent Unit 4 output is reduced below 150 MW.

"(c) Transfers of power and energy under this Section 15 shall not include firm capacity acquired by APS from PacifiCorp under the Power Agreement and delivered by PacifiCorp at Glen Canyon/Four Corners."

This Amendment No. 1 shall be effective upon its approval or acceptance for filing by the Federal Energy Regulatory Commission.

IN WITNESS WHEREOF, the Parties have signed this Agreement as of the date first above written.

PacifiCorp

By Steven D. Hill
Title: Vice President, Power Systems

Arizona Public Service Company

By [Signature]
Title: Vice President and Treasurer

APPROVED AS TO FORM
BY [Signature]
DATE 3-28-05

Arizona Public Service Company submits

FERC Rate Schedule No. 183

Reciprocal Transmission Service Agreement

between

Arizona Public Service Company Transmission

and

PacifiCorp

Tariff Program Code: E

Option Code: A

Tariff Record Title:

Reciprocal Transmission Service Agreement,
to be effective August 1, 2013

*Filed approved
July 1, 1994
Notice # ER 94-1071-000
originally filed on April 20, 1994*

RECIPROCAL TRANSMISSION SERVICE AGREEMENT

BETWEEN

ARIZONA PUBLIC SERVICE COMPANY

AND

PACIFICORP

ATS Contract No. 48138

By Federal Energy Regulatory Commission ("FERC"), order/ notice of
acceptance dated _____ in FERC Docket No. _____,
this Agreement, Arizona Public Service Company Rate Schedule FERC Rate
Schedule No. _____ and PacifiCorp FERC Rate Schedule No. _____
was accepted for filing and permitted to become effective in accordance
with Section 5.2 of this Agreement on the _____ day of
_____ 19____.

EXECUTION COPY

RECIPROCAL TRANSMISSION SERVICE AGREEMENT BETWEEN ARIZONA PUBLIC SERVICE COMPANY AND PACIFICORP		
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1 RECIPROCAL TRANSMISSION SERVICE AGREEMENT
 2 BETWEEN
 3 ARIZONA PUBLIC SERVICE COMPANY
 4 AND
 5 PACIFICORP

6 1. PARTIES:
 7 The Parties to this Reciprocal Transmission Service Agreement
 8 ("Agreement") are ARIZONA PUBLIC SERVICE COMPANY, an Arizona
 9 corporation ("APS") and PACIFICORP, an Oregon corporation
 10 ("PacificCorp"), hereinafter collectively referred to as "Parties"
 11 and individually as "Party."

12 2. RECITALS:
 13 This Agreement is entered into with reference, in part, to the
 14 following:
 15 2.1 APS and PacificCorp are engaged in the generation,
 16 transmission and distribution of electric power and energy in
 17 the western United States.
 18 2.2 The Parties have taken steps through a series of prior
 19 agreements to enhance the efficient operation of their
 20 respective systems by taking advantage of the diversity of
 21 their loads and generation facilities.
 22 2.3 PacificCorp owns the Cholla Unit No. 4 at the Cholla
 23 Generation Station and has increased the net generating
 24 capability of the Cholla Unit No. 4 from 150 MW to 380 MW
 25 effective October 1, 1993.
 26 2.4 To integrate the increase in the net generating capability of
 the Cholla Unit No. 4 into PacificCorp's system, PacificCorp

1 has requested south to north firm transmission service from
 2 APS, on the Cholla/Four Corners System, in addition to the
 3 transmission service provided by APS under the September 21,
 4 1990 transmission agreement between the Parties.

5 2.5 Pending the execution of this Agreement and acceptance for
 6 filing by the FERC, APS has been providing firm transmission
 7 service for the increase in the net generating capability of
 8 the Cholla Unit No. 4 under the terms and conditions of the
 9 Western System Power Pool Agreement.

10 2.6 APS desires south to north firm transmission service on the
 11 Four Corners/Borah-Beady System.

12 2.7 In keeping with the Parties' continuing efforts to study and
 13 discuss additional arrangements to benefit the Parties and
 14 enhance the efficiencies of their respective systems which
 15 will insure to the benefit of their customers, and in the
 16 event PacificCorp's Four Corners/Borah-Beady System is able to
 17 accommodate Reciprocal Transmission Service, APS and
 18 PacificCorp recognize the mutual benefits of and agree to
 19 provide Reciprocal Transmission Service to each other over
 20 the Cholla/Four Corners System and the Four Corners/Borah-
 21 Beady System, respectively, under the terms hereof.

22 2.8 Until the Four Corners/Borah-Beady System is able to
 23 accommodate additional transmission for APS, which will
 24 include such Reciprocal Transmission Service, APS agrees to
 25 provide PacificCorp with Transmission Service under the terms
 26 hereof.

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3. **ENTIRE AGREEMENT:**
 This Agreement shall constitute the entire contract between the Parties and shall supersede all prior proposals, agreements, representations, negotiations, or letters pertaining to the Reciprocal Transmission Services to be provided hereunder, whether written or oral. The Parties shall not be bound by or be liable for any statement, representation, promise, inducement, or understanding of any nature not set forth in this Agreement. Any changes to the provisions of this Agreement shall not be valid unless mutually agreed upon in writing by the Parties.

4. **DEFINITIONS:**
 The following terms, when used in this Agreement shall have the meanings specified:

4.1 **Authorized Representative(s):** A representative of APS and a representative of PacifiCorp who are authorized to act in behalf of their respective Party in the implementation of this Agreement.

4.2 **Cholla/Four Corners System:** APS' electric transmission system between the Cholla Power Plant 500 KV switchyard and the Four Corners Power Plant 345 KV switchyard.

4.3 **Due Date:** The fifteenth (15th) calendar day after the invoice date or after the fiscalite date of the invoice, whichever is earlier.

4.4 **FERC:** The Federal Energy Regulatory Commission.

4.5 **Four Corners/Borah-Brady System:** PacifiCorp's

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electric transmission system between the Four Corners Power Plant 345 KV switchyard and the Borah and Brady substations in southern Idaho.

4.6 **Interest:** Interest compounded monthly at the rate per annum quoted by Citibank, NA, New York, New York as the prime interest rate quoted as of the first day of each month in which a payment is overdue, plus three percent (3%). APS may change the designated banking institution referred herein by providing PacifiCorp with fifteen (15) day advance written notice.

4.7 **KV:** KiloVolt or kilovolts.

4.8 **KWH:** KiloWatt-hour or kilowatt-hours.

4.9 **HE:** Megawatt or megawatts.

4.10 **Point of Interconnection:** For the Cholla/Four Corners System, the point of interconnection between the Parties in the Four Corners Power Plant 345 KV switchyard and, for the Four Corners/Borah-Brady System, the Borah and/or Brady Substation.

4.11 **Point of Receipt:** For the Cholla/Four Corners System, the point of interconnection between the Parties in the Cholla Power Plant 500 KV switchyard and, for the Four Corners/Borah-Brady System, the point of interconnection between APS and PacifiCorp in the Four Corners Power Plant 345 KV Switchyard.

4.12 **Reciprocal Transmission Demand:** For the Cholla/Four Corners System, the 30,000 KW of firm transmission capacity APS shall

1 be obligated to provide for PacifiCorp on the Cholla/Four
 2 Corners System from the Point of Receipt to the Point of
 3 Delivery. For the Four Corners/Borah-Brady System, the 30,000
 4 kW of firm transmission capacity PacifiCorp is obligated to
 5 provide for AFS on the Four Corners/Borah-Brady System from
 6 the Point of Receipt to the Point of Delivery.
 7
 8 4.13 Reciprocal Transmission Service: The firm transmission
 9 capacity provided by AFS to PacifiCorp over the Cholla/Four
 10 Corners System from the Point of Receipt to the Point of
 11 Delivery and by PacifiCorp to AFS over the Four
 12 Corners/Borah-Brady System from the Point of Receipt to the
 13 Point of Delivery up to the Reciprocal Transmission Demand at
 14 no cost to the Parties.
 15 4.14 Transmission Demand: The 30,000 kW of firm capacity AFS
 16 shall be obligated to provide and PacifiCorp is obligated to
 17 pay for on the Cholla/Four Corners System from the Point of
 18 Receipt to the Point of Delivery.
 19 4.15 Transmission Service: The firm capacity provided by AFS to
 20 PacifiCorp from south to north over the Cholla/Four Corners
 21 System from the Point of Receipt to the Point of Delivery up
 22 to the Transmission Demand in accordance with the rates and
 23 charges in Section 6.
 24 4.16 Uncontrollable Forces: Any cause beyond the control of the
 25 Party affected, including, but not limited to, failure of
 26 facilities, flood, earthquakes, storms, fire, lightning,
 epidemic, war, riot, civil disturbance, labor disturbance,

1 sabotage, restraint by court order or public authority, which
 2 by exercise of due diligence would not be able to overcome.
 3 5. SPECIAL PROVISIONS:
 4 5.1 Reciprocal Transmission Service: The Parties shall provide
 5 each other Reciprocal Transmission Service; however, the
 6 Parties' obligations to provide the Reciprocal Transmission
 7 Service shall not begin until such time as the Four
 8 Corners/Borah-Brady System, as solely determined by
 9 PacifiCorp, has sufficient capacity to provide AFS all of its
 10 Reciprocal Transmission Demand. Until such time, PacifiCorp
 11 shall pay AFS for Transmission Service on the Cholla/Four
 12 Corners System. Reciprocal Transmission Service shall begin
 13 on the first day of the calendar month following the month
 14 PacifiCorp determines that transmission capacity is available
 15 on the Four Corners/Borah-Brady System.
 16 5.2 Effective Date, Acceptance and Term:
 17 5.2.1 This Agreement shall become effective upon execution
 18 and acceptance for filing by the FERC and permitted
 19 to become effective under the rules and regulations
 20 of the FERC.
 21 5.2.2 The Parties agree to waive of FERC's filing and
 22 notice requirements in order to permit the early
 23 filing and acceptance of this Agreement.
 24 5.2.3 The Parties agree to fully participate in any FERC
 25 hearing and/or court proceeding regarding this
 26 Agreement.

1 5.2.4 The Parties concur with all rates and charges and all
 2 terms and conditions in this Agreement and, upon the
 3 FERC filing, the Parties agree to support the
 4 acceptance in full of this Agreement.
 5 5.2.5 If upon the filing of this Agreement, FERC orders a
 6 hearing to determine whether this Agreement is just
 7 and reasonable, this Agreement shall not become
 8 effective until the date when an order no longer
 9 subject to judicial review has been issued by the
 10 FERC determining this Agreement to be just and
 11 reasonable.
 12 5.2.6 If, as the result of the filing, FERC modifies or
 13 conditions any of the terms and conditions, rates or
 14 charges of this Agreement, and such modification or
 15 condition is objectionable to either PacificCorp or
 16 AFS for whatever reason and as solely determined by
 17 PacificCorp or AFS, this Agreement shall terminate and
 18 be of no further force or effect upon written notice
 19 of such objection by either Party within thirty (30)
 20 days from the date of FERC's order modifying or
 21 conditioning this Agreement. In the event that
 22 neither PacificCorp nor AFS provide written notice,
 23 this Agreement shall be deemed accepted as
 24 conditioned or modified.
 25 5.2.7 The term of this Agreement shall be from the
 26 effective date and shall remain in effect for the

1 term of the Transmission Agreement between PacificCorp
 2 and AFS, dated September 21, 1990 (AFS Contract No.
 3 48015).
 4 5.3 Authorized Representatives:
 5 5.3.1 Within thirty (30) days after the execution of this
 6 Agreement, each Party shall designate its Authorized
 7 Representative by giving written notice to the other
 8 Party. Either Party may change its Authorized
 9 Representative by giving written notice to the other
 10 Party at any time. The functions and responsibilities
 11 of the Authorized Representatives shall be:
 12 5.3.1.1 To establish procedures and standard
 13 practices (consistent with the provisions
 14 hereof) for the guidance of system load
 15 dispatchers and other operating employees
 16 as to matters affecting interconnect
 17 operations of the respective systems
 18 related to this Agreement, including but
 19 not limited to scheduled maintenance and
 20 repair;
 21 5.3.1.2 To do such other things as are necessary to
 22 administer and implement this Agreement;
 23 provided that the Authorized Representatives shall
 24 have no authority to amend any of the provisions of
 25 this Agreement.
 26 5.3.2 The establishment of any practice or procedure and

1 any other action or determination by the Authorized
 2 Representatives shall be effective when signed by the
 3 designated Authorized Representatives of both
 4 Parties.

5 **6. RATES FOR TRANSMISSION SERVICE:** Initially, the rates and related
 6 charges for Transmission Service rendered by APS to PacifiCorp will
 7 be computed in accordance with Exhibit A unless changed in
 8 accordance with Section 7.7 of this Agreement. PacifiCorp shall
 9 take or pay for the Transmission Demand under this Agreement, which
 10 amount shall constitute the monthly minimum, until such time as
 11 Reciprocal Transmission Service commences, pursuant to Section 5.1.

12 **7. GENERAL TERMS AND CONDITIONS:**

13 **7.1. Notifications:**

14 **7.1.1** Notifications under this Agreement, except written
 15 notices required or authorized herein, may be made by
 16 telephone or other means between the Authorized
 17 Representatives established pursuant to Section
 18 5.3.1. Any written notices, demands or requests
 19 given under Sections 7.1.2 and 7.1.3 hereof shall be
 20 delivered in person or mailed as follows:

21 **For PacifiCorp:**
 22 Vice President, Power Systems & Development
 23 PacifiCorp
 24 700 NE Multnomah, Suite 1600
 25 Portland, Oregon 97212-4116

26 **For APS:**
 Arizona Public Service Company
 c/o Secretary
 P.O. Box 53999
 Phoenix, Arizona 85072-1999

1 Either Party may change such designations from time
 2 to time by giving written notice to the other Party.
 3 **7.1.2** Except as set forth in Section 7.1.3 hereof, where
 4 any notice, demand or request provided for in this
 5 Agreement must be given within a specific period of
 6 time, such notice, demand or request shall be in
 7 writing, and shall be deemed properly served, given
 8 or made, if sent by registered or certified mail,
 9 postage prepaid, to the person(s) that have been
 10 designated in accordance with Section 7.1.1 hereof.

11 **7.1.3** Communications between the Parties of a routine
 12 nature, when time is not of the essence, shall be
 13 deemed served, if delivered in person (or by agent of
 14 either Party), sent by facsimile or sent by
 15 first-class mail, postage prepaid, to the person(s)
 16 who have been designated in accordance with Section
 17 7.1.1 hereof.

18 **7.2 Electrical Load Characteristics:**

19 **7.2.1** The Parties shall design, construct, operate,
 20 maintain and coordinate their respective facilities
 21 in accordance with generally accepted utility
 22 practices of the Western Systems Coordinating
 23 Council.

24 **7.2.2** Each Party shall use its best efforts to construct,
 25 operate and maintain its system facilities so as to
 26 avoid the likelihood of a disturbance originating

1 from its system which might cause impairment of
 2 service in the system of the other Party.
 3 7.3 Uncontrollable Force: Neither Party to this Agreement shall
 4 be considered to be in default in the performance of any
 5 obligation hereunder if failure to perform shall be due to an
 6 uncontrollable force. The Parties shall not, however, be
 7 relieved of liability for failure of performance if such
 8 failure is due to causes arising out of removable or
 9 remediable causes which it fails to remove or remedy with
 10 reasonable dispatch. Any Party rendered unable, to fulfill
 11 any obligation by reason of an uncontrollable force shall
 12 exercise due diligence to remove such liability with all
 13 reasonable dispatch. Nothing contained herein, however,
 14 shall be construed to require a Party to prevent or seek a
 15 strike against its will.
 16 7.4 Indemnity:
 17 7.4.1 Neither Party ("First Party") shall be liable,
 18 whether in warranty, tort, or strict liability, to
 19 the other Party ("Second Party") for any injury or
 20 death to any person, or for any loss or damage to any
 21 property, caused by or arising out of any electric
 22 disturbance of the First Party's electric system,
 23 whether or not such electric disturbance resulted
 24 from the First Party's negligent act or omission.
 25 Each Second Party releases the First Party from, and
 26 shall indemnify and hold harmless the First Party

1 from, any such liability. As used in this Section
 2 7.4, (i) the term "Party" means, in addition to such
 3 Party itself, its agents, directors, officers, and
 4 employees; (ii) the term "damage" means all damage,
 5 including consequential damage; and (iii) the term
 6 "person" means any person, including those not
 7 connected with either Party to this Agreement.
 8 7.4.2 The provisions of this Section 7.4 shall not be
 9 construed so as to relieve any insurer of its
 10 obligation to pay any insurance proceeds in
 11 accordance with the terms and conditions of any valid
 12 insurance policy of either Party.
 13 7.5 Values: The failure of either Party to insure upon strict
 14 performance of any of the provisions of this Agreement or the
 15 payment or acceptance of payment by either Party for all or
 16 part of the obligations under this Agreement shall not be
 17 deemed a waiver of any right or remedy otherwise available to
 18 either Party with respect to the future performance of such
 19 provisions.
 20 7.6 Billing and Payment:
 21 7.6.1 APS shall render invoices to PacifiCorp for
 22 Transmission Service on or before the fifteenth
 23 (15th) day of each calendar month for services
 24 furnished during the preceding billing period.
 25 PacifiCorp shall pay APS on or before the due date.
 26 PacifiCorp shall mail the payment to APS designated

1 office. PacificCorp may also pay invoices by
 2 electronic transfer if agreed to by the Parties.
 3 Amounts which are not received by AFS on or before
 4 the Due Date shall bear interest.
 5 7.6.3 In the event any portion of any invoice is disputed,
 6 PacificCorp shall pay the disputed amount under
 7 protest when due. If the processed portion of the
 8 payment is found to be incorrect, AFS shall refund to
 9 PacificCorp any payment due, including interest from
 10 the date AFS receives payment to the date the refund
 11 check is mailed by AFS.
 12
 13 7.7 Unilateral Action: Nothing contained in this Agreement shall
 14 be construed as effecting in any way, the right of either
 15 Party to unilaterally make application to the FERC for a
 16 change, with respect to the service it is rendering to the
 17 other Party, in classification, or service, or any provision,
 18 term, rule, rate, regulation, condition or contract relating
 19 thereto, under Section 205 of the Federal Power Act or any
 20 successor statute and pursuant to the FERC's rules and
 21 regulations promulgated thereunder; or the right of
 22 PacificCorp to request modifications with respect to the
 23 services rendered hereunder by AFS under Section 206 of the
 24 Federal Power Act and pursuant to the FERC's rules and
 25 regulations promulgated thereunder.
 26 7.8 Assignment:
 7.8.1 Neither Party shall assign this Agreement without the

1 prior written consent of the other Party, which
 2 consent may not be unreasonably withheld. The
 3 restrictions of this Section 7.8 shall not apply:
 4 7.8.1.1 to any corporation into which or into which
 5 the Party making the assignment is merged
 6 or consolidated or to which the Party
 7 transfers substantially all of its assets;
 8 7.8.1.2 to any person or entity wholly owned,
 9 wholly owned by, or wholly owned in common
 10 with the Party making the assignment.
 11 7.8.2 Subject to the foregoing restrictions in this Section
 12 7.8, this Agreement shall be binding upon, inure to
 13 the benefit of and be enforceable by the Parties and
 14 their respective successors and assigns.
 15 7.9 Regulatory Fees:
 16 7.9.1 Any regulatory filing fees related to any changes to
 17 this Agreement, or relative to either Party's
 18 decision to modify or to terminate this Agreement,
 19 shall be the responsibility of the Party initiating
 20 said action unless otherwise mutually agreed.
 21 7.9.2 The responsibility for any regulatory fees, charges,
 22 or assessments associated with regulatory
 23 Transmission Service under this Agreement, other than
 24 those described in Section 7.9.1 hereof, shall be
 25 equally shared by both Parties.
 26 7.9.3 The responsibility for any regulatory fees, charges,

1 or assessments associated with Transmission Service.
 2 under this Agreement, other than those described in
 3 Section 7.9.1 hereof, shall be the responsibility of
 4 PacifiCorp to the extent that such charges or
 5 assessments are not already recovered in APS' charges
 6 to PacifiCorp for Transmission Services.

7 **7.10 Third Party Beneficiaries:** This Agreement shall not be
 8 construed to create rights in, or to grant remedies to any
 9 third Party as a beneficiary of this Agreement or of any
 10 duty, obligation, or undertaking established herein.

11 **7.11 Applicable Law:** This Agreement shall be construed and
 12 interpreted in accordance with Arizona Law.

13 **7.12 Nondedication of Facilities:** The performance of the Parties
 14 pursuant to this Agreement shall not constitute the
 15 dedication of the electric system or any portion thereof of
 16 either Party to the other Party or to a third party, and it
 17 is understood and agreed that any right, interest, obligation
 18 or duty hereunder by either Party shall cease upon the
 19 termination of this Agreement.

20 **7.13 Interruptions:**
 21 **7.13.1** The Parties shall use due diligence to furnish
 22 uninterrupted Transmission Service or Reciprocal
 23 Transmission Service but do not guarantee
 24 uninterrupted transmission of a Party's capacity and
 25 energy.
 26 **7.13.2** The Parties shall not be liable for any claim of

1 damage attributable to any interruption or reduction
 2 of Transmission Service or Reciprocal Transmission
 3 Service due to (i) an Uncontrollable Force as defined
 4 in the Agreement; (ii) any operating decisions, which
 5 in the operating Party's sole judgment are necessary
 6 to maintain reliable service or to protect the
 7 generation or transmission facilities or to ensure
 8 the safety of its employees or contractors; and (iii)
 9 necessary or routine maintenance, repairs,
 10 replacements, or installations of equipment; or the
 11 investigation and inspection of equipment. To the
 12 extent practicable, the Parties shall provide
 13 reasonable advance notice to each other of any
 14 scheduled interruptions, reductions or other
 15 impairments of Transmission Service or Reciprocal
 16 Transmission Service.

17 **7.13.3** In the event it is necessary to curtail Transmission
 18 Service or Reciprocal Transmission Service because in
 19 the discretion of the Party providing such service,
 20 the transmission system over which such service is
 21 being provided is in jeopardy, APS and PacifiCorp
 22 shall curtail their respective transactions in the
 23 following order: (i) non-firm transactions that would
 24 mitigate such jeopardy shall be reduced
 25 proportionately and (ii) firm schedules shall be
 26 reduced proportionately with all other firm

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transactions on the affected transmission system to a level necessary to remove such jeopardy; provided, however, the Parties in order to maintain system integrity, may utilize curtailment provisions which may vary from this principle in accordance with generally accepted utility practices.

7.13.4 The Parties shall endeavor to restore Transmission Service or Reciprocal Transmission Service as soon as practicable after an interruption.

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8. SIGNATURE:
 IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized officers or representatives as of the 2nd day of March, 1994.



ARIZONA PUBLIC SERVICE COMPANY
 Signature: [Signature]
 Name: Jack E. Davis
 Title: Vice President

PACIFICORP
 Signature: [Signature]
 Name: Dennis P. Sindberg
 Title: Vice President

RECIPROCAL TRANSMISSION SERVICE AGREEMENT

BETWEEN
ARIZONA PUBLIC SERVICE

AND

PACIFICORP
EXHIBIT A

Rates for Transmission Service

1. ~~Transmission Charge: \$4.52/kWh per month~~Rate shall be consistent with that for long-term firm point-to-point transmission service as identified in Schedule 7 of the APS Open Access Transmission Tariff ~~same multiplied by the Transmission Demand~~. Additionally, PacificCorp shall compensate APS for real power transmission losses consistent with the APS Business Practice for Transmission Loss Payment for Point to Point Service.
2. Tax Charge: A Tax Charge of 0% shall be applied to the Transmission Charges in Section 1 Above, subject to the terms of Section 3 hereof. The 0% Tax Charge is to cover the "Arizona Transaction Privilege (Sales) Tax or similar tax(es)."
3. Sales Tax:
 - 3.1 The Parties believe that the Transmission Service Being provided hereunder is not subject to transaction privilege tax (sales tax), excise tax or any similar tax ("Taxes"). If, and in the event that, the Arizona State Department of Revenue, Arizona cities or towns, or other governmental units ("Taxing Entity") issue(s) an assessment or notice of intent to assess for such Taxes, whether prospectively or retroactively, and any associated interest or penalties, APS shall notify PacificCorp of such Taxes.
 - 3.2 APS shall pay the Taxing Entity the required retroactive Taxes and APS shall notify PacificCorp of such payment. The notification shall include a proof of such payment. The notification shall include a proof of payment satisfactory to PacificCorp. PacificCorp agrees to reimburse APS for the full amount of retroactive Taxes with any associated interest or penalties paid by APS, within fifteen (15) days of such notification.
 - 3.3 PacificCorp shall have the right, upon notification and at its own expense, to participate with APS in any appeal or protest of an assessment of Taxes.
 - 3.4 APS shall have the right to include Taxes in any future invoice rendered to PacificCorp after the date of notification specified in Section 3.1 hereof and prior to the date of a final determination, if any, that such Taxes are not due.
 - 3.5 If any Taxes and associate interest and penalties paid by APS and for which APS was reimbursed by PacificCorp pursuant to Section 3.2 hereof, are refunded, or credited, by a Taxing Entity to APS, APS shall notify PacificCorp of the receipt of such refund, or credit, within fifteen (15) days and APS shall promptly refund the amount of such refund, or credit, including any interest paid thereon.
 - 3.6 Each Party to any proceeding pursuant to this Section 3 shall bear its own cost and expense, including attorney's fees, in connection therewith.

Revision No. One

Effective Date: August 1, 2013

Business Practice

Transmission Loss Payment for Point to Point Service

1. Background

- 1.1 All APS OATT Transmission Customers taking point-to-point Transmission Service under Part II of the OATT shall compensate Transmission Provider for Real Power Losses as specified under Section 15.7 by making payments for financial losses.

2. Real Power Losses Charge

- 2.1 Losses are based upon the energy applied against each reservation and the loss factors specified in APS's OATT.
 - 2.2 A partial MW with a value of 0.50 MW or greater shall be rounded up to the next highest whole MW. A partial MW with a value of less than 0.50 MW shall be rounded down to the nearest whole MW.
 - 2.3 Losses will be monetized at the Hourly Pricing Proxy calculated as described in Schedule 4, Energy Imbalance Service.
 - 2.4 The losses charge will be equal to the product of the total megawatts (in MWs) multiplied by the sum of the loss rate (in %) as specified in Section 15.7 of the OATT.
- 3. Settlement of Losses**
- 3.1 Transmission Losses will be calculated for each month in the settlements process.
 - 3.2 Transmission Customers shall compensate APS through the normal monthly billing.

This Business Practice describes general conditions and practices. There may be specific circumstances that require some variation from or are not addressed by this Business Practice.

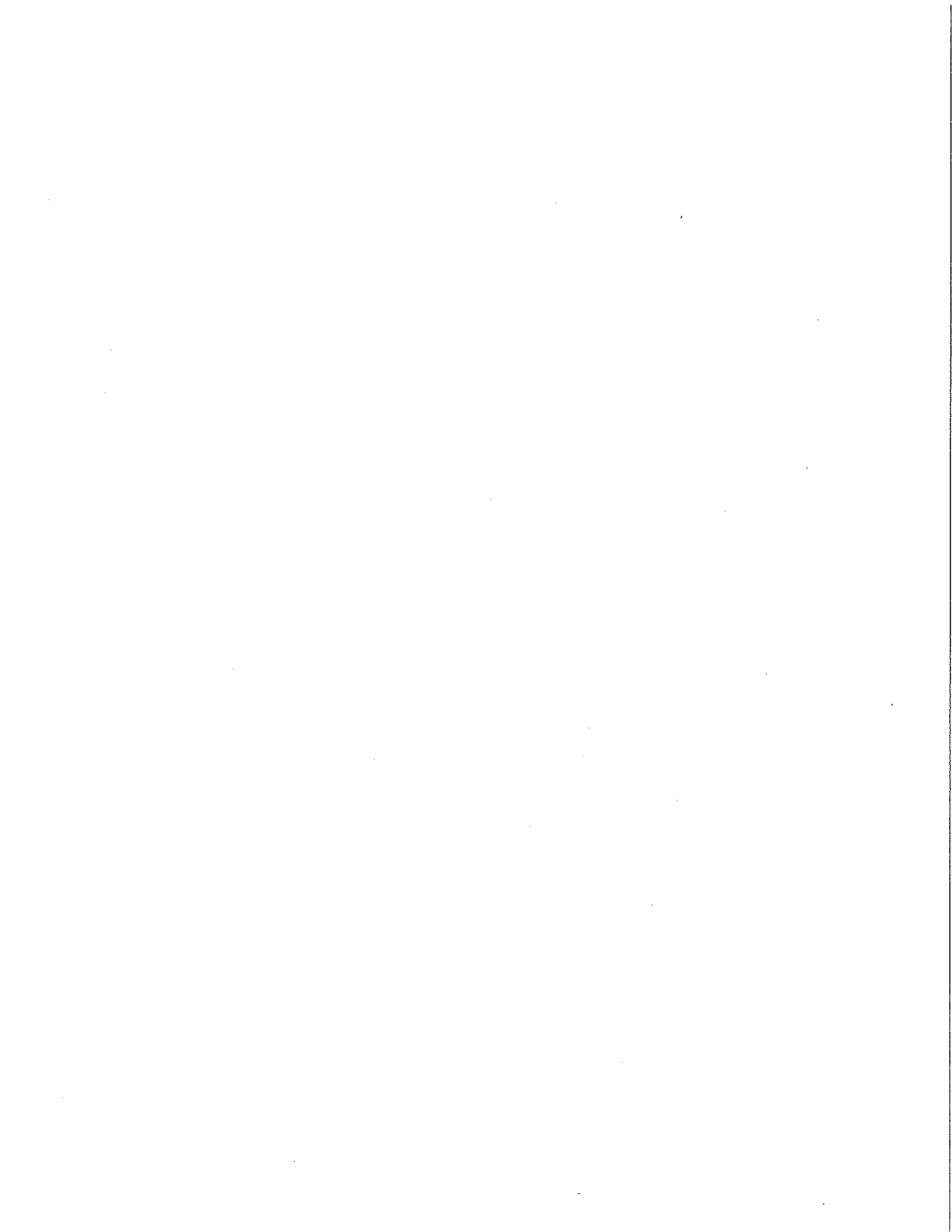


Table 1: Dow Jones Hourly Pricing. Columns include Date, Time, Price, Volume, and various indicators. The data spans from approximately 1990 to 2000.

Table 2: Dow Jones Hourly Pricing. Columns include Date, Time, Price, Volume, and various indicators. The data spans from approximately 1990 to 2000.

Table 1: Dow Jones Hourly Pricing

Table 2: Dow Jones Hourly Pricing

Table 3: Dow Jones Hourly Pricing. Columns include Date, Time, Price, Volume, and various indicators. The data spans from approximately 1990 to 2000.

Table 3: Dow Jones Hourly Pricing

Symbol	Price	Volume	Open	High	Low	Close
DJIA	10000	100000	10000	10000	10000	10000
DJIA	10000	100000	10000	10000	10000	10000
DJIA	10000	100000	10000	10000	10000	10000
DJIA	10000	100000	10000	10000	10000	10000
DJIA	10000	100000	10000	10000	10000	10000

Symbol	Price	Volume	Open	High	Low	Close
DJIA	10000	100000	10000	10000	10000	10000
DJIA	10000	100000	10000	10000	10000	10000
DJIA	10000	100000	10000	10000	10000	10000
DJIA	10000	100000	10000	10000	10000	10000
DJIA	10000	100000	10000	10000	10000	10000

Page 1 of 2

DATE	TIME	TYPE	STATUS	REMARKS	OPERATOR	REVISION
11/11/83	08:00	START	OK			1
11/11/83	08:05	DATA	OK			1
11/11/83	08:10	DATA	OK			1
11/11/83	08:15	DATA	OK			1
11/11/83	08:20	DATA	OK			1
11/11/83	08:25	DATA	OK			1
11/11/83	08:30	DATA	OK			1
11/11/83	08:35	DATA	OK			1
11/11/83	08:40	DATA	OK			1
11/11/83	08:45	DATA	OK			1
11/11/83	08:50	DATA	OK			1
11/11/83	08:55	DATA	OK			1
11/11/83	09:00	END	OK			1

DATE	TIME	TYPE	STATUS	REMARKS	OPERATOR	REVISION
11/11/83	08:00	START	OK			1
11/11/83	08:05	DATA	OK			1
11/11/83	08:10	DATA	OK			1
11/11/83	08:15	DATA	OK			1
11/11/83	08:20	DATA	OK			1
11/11/83	08:25	DATA	OK			1
11/11/83	08:30	DATA	OK			1
11/11/83	08:35	DATA	OK			1
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11/11/83	08:45	DATA	OK			1
11/11/83	08:50	DATA	OK			1
11/11/83	08:55	DATA	OK			1
11/11/83	09:00	END	OK			1

DATE	TIME	TYPE	STATUS	REMARKS	OPERATOR	REVISION
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11/11/83	08:05	DATA	OK			1
11/11/83	08:10	DATA	OK			1
11/11/83	08:15	DATA	OK			1
11/11/83	08:20	DATA	OK			1
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11/11/83	08:40	DATA	OK			1
11/11/83	08:45	DATA	OK			1
11/11/83	08:50	DATA	OK			1
11/11/83	08:55	DATA	OK			1
11/11/83	09:00	END	OK			1

DATE	TIME	TYPE	STATUS	REMARKS	OPERATOR	REVISION
11/11/83	08:00	START	OK			1
11/11/83	08:05	DATA	OK			1
11/11/83	08:10	DATA	OK			1
11/11/83	08:15	DATA	OK			1
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11/11/83	08:25	DATA	OK			1
11/11/83	08:30	DATA	OK			1
11/11/83	08:35	DATA	OK			1
11/11/83	08:40	DATA	OK			1
11/11/83	08:45	DATA	OK			1
11/11/83	08:50	DATA	OK			1
11/11/83	08:55	DATA	OK			1
11/11/83	09:00	END	OK			1

Table with columns: Date, Time, Price, Volume, Bid, Ask, Spread, etc. Header includes 'Dow Jones Hourly Pricing' and '11/11/2001'. The table contains multiple rows of numerical data representing market activity.

Table with columns: Date, Time, Price, Volume, Bid, Ask, Spread, etc. Header includes 'Dow Jones Hourly Pricing' and '11/11/2001'. The table contains multiple rows of numerical data representing market activity.

Table with columns: Date, Time, Price, Volume, Bid, Ask, Spread, etc. Header includes 'Dow Jones Hourly Pricing' and '11/11/2001'. The table contains multiple rows of numerical data representing market activity.

Table with columns: Date, Time, Price, Volume, Bid, Ask, Spread, etc. Header includes 'Dow Jones Hourly Pricing' and '11/11/2001'. The table contains multiple rows of numerical data representing market activity.

Approved: [Signature] Date: [Date]

Page: [Page Number] of [Total Pages]

Project Name: [Project Name]

Location: [Location]

Down Jones Hourly Pricing

Hour	Day	Month	Year	Time	Price (\$/MWh)	Market Type
00:00	Mon	Jan	2025	00:00-01:00	42.8	Spot
01:00	Mon	Jan	2025	01:00-02:00	42.8	Spot
02:00	Mon	Jan	2025	02:00-03:00	42.8	Spot
03:00	Mon	Jan	2025	03:00-04:00	42.8	Spot
04:00	Mon	Jan	2025	04:00-05:00	42.8	Spot
05:00	Mon	Jan	2025	05:00-06:00	42.8	Spot
06:00	Mon	Jan	2025	06:00-07:00	42.8	Spot
07:00	Mon	Jan	2025	07:00-08:00	42.8	Spot
08:00	Mon	Jan	2025	08:00-09:00	42.8	Spot
09:00	Mon	Jan	2025	09:00-10:00	42.8	Spot
10:00	Mon	Jan	2025	10:00-11:00	42.8	Spot
11:00	Mon	Jan	2025	11:00-12:00	42.8	Spot
12:00	Mon	Jan	2025	12:00-13:00	42.8	Spot
13:00	Mon	Jan	2025	13:00-14:00	42.8	Spot
14:00	Mon	Jan	2025	14:00-15:00	42.8	Spot
15:00	Mon	Jan	2025	15:00-16:00	42.8	Spot
16:00	Mon	Jan	2025	16:00-17:00	42.8	Spot
17:00	Mon	Jan	2025	17:00-18:00	42.8	Spot
18:00	Mon	Jan	2025	18:00-19:00	42.8	Spot
19:00	Mon	Jan	2025	19:00-20:00	42.8	Spot
20:00	Mon	Jan	2025	20:00-21:00	42.8	Spot
21:00	Mon	Jan	2025	21:00-22:00	42.8	Spot
22:00	Mon	Jan	2025	22:00-23:00	42.8	Spot
23:00	Mon	Jan	2025	23:00-00:00	42.8	Spot
Total: 42.8						

Approved: [Signature] Date: [Date]

Page: [Page Number] of [Total Pages]

Project Name: [Project Name]

Location: [Location]

Down Jones Hourly Pricing

Hour	Day	Month	Year	Time	Price (\$/MWh)	Market Type
00:00	Tue	Jan	2025	00:00-01:00	42.8	Spot
01:00	Tue	Jan	2025	01:00-02:00	42.8	Spot
02:00	Tue	Jan	2025	02:00-03:00	42.8	Spot
03:00	Tue	Jan	2025	03:00-04:00	42.8	Spot
04:00	Tue	Jan	2025	04:00-05:00	42.8	Spot
05:00	Tue	Jan	2025	05:00-06:00	42.8	Spot
06:00	Tue	Jan	2025	06:00-07:00	42.8	Spot
07:00	Tue	Jan	2025	07:00-08:00	42.8	Spot
08:00	Tue	Jan	2025	08:00-09:00	42.8	Spot
09:00	Tue	Jan	2025	09:00-10:00	42.8	Spot
10:00	Tue	Jan	2025	10:00-11:00	42.8	Spot
11:00	Tue	Jan	2025	11:00-12:00	42.8	Spot
12:00	Tue	Jan	2025	12:00-13:00	42.8	Spot
13:00	Tue	Jan	2025	13:00-14:00	42.8	Spot
14:00	Tue	Jan	2025	14:00-15:00	42.8	Spot
15:00	Tue	Jan	2025	15:00-16:00	42.8	Spot
16:00	Tue	Jan	2025	16:00-17:00	42.8	Spot
17:00	Tue	Jan	2025	17:00-18:00	42.8	Spot
18:00	Tue	Jan	2025	18:00-19:00	42.8	Spot
19:00	Tue	Jan	2025	19:00-20:00	42.8	Spot
20:00	Tue	Jan	2025	20:00-21:00	42.8	Spot
21:00	Tue	Jan	2025	21:00-22:00	42.8	Spot
22:00	Tue	Jan	2025	22:00-23:00	42.8	Spot
23:00	Tue	Jan	2025	23:00-00:00	42.8	Spot
Total: 42.8						

Approved: [Signature] Date: [Date]

Page: [Page Number] of [Total Pages]

Project Name: [Project Name]

Location: [Location]

Down Jones Hourly Pricing

Hour	Day	Month	Year	Time	Price (\$/MWh)	Market Type
00:00	Wed	Jan	2025	00:00-01:00	42.8	Spot
01:00	Wed	Jan	2025	01:00-02:00	42.8	Spot
02:00	Wed	Jan	2025	02:00-03:00	42.8	Spot
03:00	Wed	Jan	2025	03:00-04:00	42.8	Spot
04:00	Wed	Jan	2025	04:00-05:00	42.8	Spot
05:00	Wed	Jan	2025	05:00-06:00	42.8	Spot
06:00	Wed	Jan	2025	06:00-07:00	42.8	Spot
07:00	Wed	Jan	2025	07:00-08:00	42.8	Spot
08:00	Wed	Jan	2025	08:00-09:00	42.8	Spot
09:00	Wed	Jan	2025	09:00-10:00	42.8	Spot
10:00	Wed	Jan	2025	10:00-11:00	42.8	Spot
11:00	Wed	Jan	2025	11:00-12:00	42.8	Spot
12:00	Wed	Jan	2025	12:00-13:00	42.8	Spot
13:00	Wed	Jan	2025	13:00-14:00	42.8	Spot
14:00	Wed	Jan	2025	14:00-15:00	42.8	Spot
15:00	Wed	Jan	2025	15:00-16:00	42.8	Spot
16:00	Wed	Jan	2025	16:00-17:00	42.8	Spot
17:00	Wed	Jan	2025	17:00-18:00	42.8	Spot
18:00	Wed	Jan	2025	18:00-19:00	42.8	Spot
19:00	Wed	Jan	2025	19:00-20:00	42.8	Spot
20:00	Wed	Jan	2025	20:00-21:00	42.8	Spot
21:00	Wed	Jan	2025	21:00-22:00	42.8	Spot
22:00	Wed	Jan	2025	22:00-23:00	42.8	Spot
23:00	Wed	Jan	2025	23:00-00:00	42.8	Spot
Total: 42.8						

Approved: [Signature] Date: [Date]

Page: [Page Number] of [Total Pages]

Project Name: [Project Name]

Location: [Location]

Down Jones Hourly Pricing

Hour	Day	Month	Year	Time	Price (\$/MWh)	Market Type
00:00	Thu	Jan	2025	00:00-01:00	42.8	Spot
01:00	Thu	Jan	2025	01:00-02:00	42.8	Spot
02:00	Thu	Jan	2025	02:00-03:00	42.8	Spot
03:00	Thu	Jan	2025	03:00-04:00	42.8	Spot
04:00	Thu	Jan	2025	04:00-05:00	42.8	Spot
05:00	Thu	Jan	2025	05:00-06:00	42.8	Spot
06:00	Thu	Jan	2025	06:00-07:00	42.8	Spot
07:00	Thu	Jan	2025	07:00-08:00	42.8	Spot
08:00	Thu	Jan	2025	08:00-09:00	42.8	Spot
09:00	Thu	Jan	2025	09:00-10:00	42.8	Spot
10:00	Thu	Jan	2025	10:00-11:00	42.8	Spot
11:00	Thu	Jan	2025	11:00-12:00	42.8	Spot
12:00	Thu	Jan	2025	12:00-13:00	42.8	Spot
13:00	Thu	Jan	2025	13:00-14:00	42.8	Spot
14:00	Thu	Jan	2025	14:00-15:00	42.8	Spot
15:00	Thu	Jan	2025	15:00-16:00	42.8	Spot
16:00	Thu	Jan	2025	16:00-17:00	42.8	Spot
17:00	Thu	Jan	2025	17:00-18:00	42.8	Spot
18:00	Thu	Jan	2025	18:00-19:00	42.8	Spot
19:00	Thu	Jan	2025	19:00-20:00	42.8	Spot
20:00	Thu	Jan	2025	20:00-21:00	42.8	Spot
21:00	Thu	Jan	2025	21:00-22:00	42.8	Spot
22:00	Thu	Jan	2025	22:00-23:00	42.8	Spot
23:00	Thu	Jan	2025	23:00-00:00	42.8	Spot
Total: 42.8						

Table with columns: Date, Time, Location, Activity, Status, etc. Includes a summary row at the bottom: 'Don Jones Hourly Prions'.

Table with columns: Date, Time, Location, Activity, Status, etc. Includes a summary row at the bottom: 'Don Jones Hourly Prions'.

Table with columns: Date, Time, Location, Activity, Status, etc. Includes a summary row at the bottom: 'Don Jones Hourly Prions'.

Table with columns: Date, Time, Location, Activity, Status, etc. Includes a summary row at the bottom: 'Don Jones Hourly Prions'.

Page 1 of 2
Date: 11/11/2023
Time: 10:00 AM

Page 2 of 2
Date: 11/11/2023
Time: 10:00 AM

Table 1: Dow Jones Hourly Pricing. Columns include Date, Time, Price, Volume, and other market data. Includes a vertical shaded bar and footer: 'Page 8 of 150', 'Author's Name', 'Date of Report'.

Table 2: Dow Jones Hourly Pricing. Columns include Date, Time, Price, Volume, and other market data. Includes a vertical shaded bar and footer: 'Page 9 of 150', 'Author's Name', 'Date of Report'.

Table 3: Dow Jones Hourly Pricing. Columns include Date, Time, Price, Volume, and other market data. Includes a vertical shaded bar and footer: 'Page 10 of 150', 'Author's Name', 'Date of Report'.

Table 4: Dow Jones Hourly Pricing. Columns include Date, Time, Price, Volume, and other market data. Includes a vertical shaded bar and footer: 'Page 11 of 150', 'Author's Name', 'Date of Report'.

Table with multiple columns and rows, containing numerical data and text labels. Includes a vertical shaded column.

Table with multiple columns and rows, containing numerical data and text labels. Includes a vertical shaded column.

Table with multiple columns and rows, containing numerical data and text labels. Includes a vertical shaded column.

Table with multiple columns and rows, containing numerical data and text labels. Includes a vertical shaded column.

Table with multiple columns and rows, containing data for Dow Jones Hourly Pricing. Includes headers for Date, Time, and various price metrics.

Table with multiple columns and rows, containing data for Dow Jones Hourly Pricing. Includes headers for Date, Time, and various price metrics.

Table with multiple columns and rows, containing data for Dow Jones Hourly Pricing. Includes headers for Date, Time, and various price metrics.

Table with multiple columns and rows, containing data for Dow Jones Hourly Pricing. Includes headers for Date, Time, and various price metrics.

Table with columns: Ticker, Price, Change, Volume, etc. Includes header 'Dow Jones Hourly Pricing' and a footer with 'Page 1 of 10' and 'Last Updated: 12/21/2013'.

Table with columns: Ticker, Price, Change, Volume, etc. Includes header 'Dow Jones Hourly Pricing' and a footer with 'Page 1 of 10' and 'Last Updated: 12/21/2013'.

Table with columns: Ticker, Price, Change, Volume, etc. Includes header 'Dow Jones Hourly Pricing' and a footer with 'Page 1 of 10' and 'Last Updated: 12/21/2013'.

Table with columns: Ticker, Price, Change, Volume, etc. Includes header 'Dow Jones Hourly Pricing' and a footer with 'Page 1 of 10' and 'Last Updated: 12/21/2013'.

Table with columns for Dow Jones Hourly Pricing, including date, time, and price data. Includes a page number 'Page 8 of 13' and a footer 'Dow Jones Hourly Pricing'.

Table with columns for Dow Jones Hourly Pricing, including date, time, and price data. Includes a page number 'Page 9 of 13' and a footer 'Dow Jones Hourly Pricing'.

Table with columns for Dow Jones Hourly Pricing, including date, time, and price data. Includes a page number 'Page 10 of 13' and a footer 'Dow Jones Hourly Pricing'.

Table with columns for Dow Jones Hourly Pricing, including date, time, and price data. Includes a page number 'Page 11 of 13' and a footer 'Dow Jones Hourly Pricing'.

Hour	Day	Rate	Day	Rate	Day	Rate	Day	Rate	Day	Rate
10:00		10.0000	11:00	10.0000	12:00	10.0000	13:00	10.0000	14:00	10.0000
15:00		10.0000	16:00	10.0000	17:00	10.0000	18:00	10.0000	19:00	10.0000
20:00		10.0000	21:00	10.0000	22:00	10.0000	23:00	10.0000	24:00	10.0000

Dow Jones Hourly Pricing

As of 12/31/2023
Page 1 of 100
Last Update: 12/31/2023

Hour	Day	Rate	Day	Rate	Day	Rate	Day	Rate	Day	Rate
10:00		10.0000	11:00	10.0000	12:00	10.0000	13:00	10.0000	14:00	10.0000
15:00		10.0000	16:00	10.0000	17:00	10.0000	18:00	10.0000	19:00	10.0000
20:00		10.0000	21:00	10.0000	22:00	10.0000	23:00	10.0000	24:00	10.0000

Dow Jones Hourly Pricing

As of 12/31/2023
Page 1 of 100
Last Update: 12/31/2023

Hour	Day	Rate	Day	Rate	Day	Rate	Day	Rate	Day	Rate
10:00		10.0000	11:00	10.0000	12:00	10.0000	13:00	10.0000	14:00	10.0000
15:00		10.0000	16:00	10.0000	17:00	10.0000	18:00	10.0000	19:00	10.0000
20:00		10.0000	21:00	10.0000	22:00	10.0000	23:00	10.0000	24:00	10.0000

Dow Jones Hourly Pricing

As of 12/31/2023
Page 1 of 100
Last Update: 12/31/2023

Hour	Day	Rate	Day	Rate	Day	Rate	Day	Rate	Day	Rate
10:00		10.0000	11:00	10.0000	12:00	10.0000	13:00	10.0000	14:00	10.0000
15:00		10.0000	16:00	10.0000	17:00	10.0000	18:00	10.0000	19:00	10.0000
20:00		10.0000	21:00	10.0000	22:00	10.0000	23:00	10.0000	24:00	10.0000

Dow Jones Hourly Pricing

As of 12/31/2023
Page 1 of 100
Last Update: 12/31/2023

Table with columns: Date, Time, Shift, and various performance metrics. Header includes 'Down Jones Hourly Pricing' and 'Additional 1 - Dow Jones'.

Table with columns: Date, Time, Shift, and various performance metrics. Header includes 'Down Jones Hourly Pricing' and 'Additional 1 - Dow Jones'.

Table with columns: Date, Time, Shift, and various performance metrics. Header includes 'Down Jones Hourly Pricing' and 'Additional 1 - Dow Jones'.

Table with columns: Date, Time, Shift, and various performance metrics. Header includes 'Down Jones Hourly Pricing' and 'Additional 1 - Dow Jones'.

Table with columns: Symbol, Price, Volume, Bid, Ask, etc. Includes footer: Dow Jones Hourly Pricing, Last Updated: 01/27/2020 09:00 AM EST.

Table with columns: Symbol, Price, Volume, Bid, Ask, etc. Includes footer: Dow Jones Hourly Pricing, Last Updated: 01/27/2020 09:00 AM EST.

Table with columns: Symbol, Price, Volume, Bid, Ask, etc. Includes footer: Dow Jones Hourly Pricing, Last Updated: 01/27/2020 09:00 AM EST.

Table with columns: Symbol, Price, Volume, Bid, Ask, etc. Includes footer: Dow Jones Hourly Pricing, Last Updated: 01/27/2020 09:00 AM EST.

DATE	TIME	TYPE	STATUS	LOCATION	DESCRIPTION	REMARKS
1957-11-12	12:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	13:00	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	13:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	14:00	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	14:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	15:00	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	15:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	16:00	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	16:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	17:00	RESEARCH	OK	LAB 1	TESTING	

Down Jones Hourly Prices
Page 1 of 10
Form 10-13 (Rev. 11-15-57)

DATE	TIME	TYPE	STATUS	LOCATION	DESCRIPTION	REMARKS
1957-11-12	12:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	13:00	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	13:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	14:00	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	14:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	15:00	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	15:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	16:00	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	16:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	17:00	RESEARCH	OK	LAB 2	TESTING	

Down Jones Hourly Prices
Page 2 of 10
Form 10-13 (Rev. 11-15-57)

DATE	TIME	TYPE	STATUS	LOCATION	DESCRIPTION	REMARKS
1957-11-12	12:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	13:00	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	13:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	14:00	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	14:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	15:00	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	15:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	16:00	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	16:30	RESEARCH	OK	LAB 1	TESTING	
1957-11-12	17:00	RESEARCH	OK	LAB 1	TESTING	

Down Jones Hourly Prices
Page 3 of 10
Form 10-13 (Rev. 11-15-57)

DATE	TIME	TYPE	STATUS	LOCATION	DESCRIPTION	REMARKS
1957-11-12	12:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	13:00	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	13:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	14:00	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	14:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	15:00	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	15:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	16:00	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	16:30	RESEARCH	OK	LAB 2	TESTING	
1957-11-12	17:00	RESEARCH	OK	LAB 2	TESTING	

Down Jones Hourly Prices
Page 4 of 10
Form 10-13 (Rev. 11-15-57)

Table with multiple columns and rows, containing financial data. Includes a header section with column labels like 'Symbol', 'Price', and 'Volume'. Title: 'Dow Jones Hourly Pricing'.

Table with multiple columns and rows, containing financial data. Includes a header section with column labels like 'Symbol', 'Price', and 'Volume'. Title: 'Dow Jones Hourly Pricing'.

Table with multiple columns and rows, containing financial data. Includes a header section with column labels like 'Symbol', 'Price', and 'Volume'. Title: 'Dow Jones Hourly Pricing'.

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