

## Transportation Offer - 02000295

Create Model Offer

| Offer Information              |                                                                                                                         |                               |                    |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------|
| Quantity Type                  | 5 - Mainline Quantity                                                                                                   | Receipt                       | 07-Aug-02 02:24 PM |
| Offer Number                   | 02000295                                                                                                                | Posted                        | 07-Aug-02 02:31 PM |
| Status                         | Approved                                                                                                                | Award                         | 29-Aug-02 03:00 PM |
| Pipeline Name                  | 007906233 - WILLIAMS GAS PIPELINES CENTRAL, INC                                                                         |                               |                    |
| Releasing Shipper Information  |                                                                                                                         |                               |                    |
| Name                           | 07831 - MISSOURI GAS ENERGY, DIV OF SOUTH UNION                                                                         |                               |                    |
| Contract Number                | TA 8249                                                                                                                 | Pre Arranged?                 | N                  |
| Contact                        | Sandy Ready                                                                                                             | Phone #                       | (512) 370-8317     |
| Fax #                          | (512) 476-4966                                                                                                          | E-Mail                        | sready@sugas.com   |
| Term Information               |                                                                                                                         |                               |                    |
| Term Begin                     | 01-Sep-02                                                                                                               | Term End                      | 01-Oct-02          |
| Permanent?                     | No                                                                                                                      | Biddable Deal                 | Yes                |
| Short Term?                    | N                                                                                                                       | Term Min                      |                    |
| Quantity Information           |                                                                                                                         |                               |                    |
| Offer Quantity                 | 10000                                                                                                                   | Quantity Indicator            | 1 - DTH            |
| Min. Volume Quantity           | 10000                                                                                                                   |                               |                    |
| Min Vol Commitment %           | 100.00000                                                                                                               | Min Vol Load Factor %         | 0.00000            |
| Lesser Quantity?               | N                                                                                                                       | Quantity Minimum              | 0                  |
| Bid Information                |                                                                                                                         |                               |                    |
| Stand-alone Offer              | Yes                                                                                                                     | Bid Evaluation Method?        | 3 - Present Value  |
| Description                    | Present Value                                                                                                           |                               |                    |
| Tie Breaking Code              |                                                                                                                         |                               |                    |
| Tie-Breaking Method            | Date and Time                                                                                                           |                               |                    |
| Bid Start Date                 | 08-Aug-02 01:00 PM                                                                                                      | Bid End Date                  | 29-Aug-02 02:00 PM |
| Match Date                     |                                                                                                                         |                               |                    |
| Contingency?                   | N                                                                                                                       |                               |                    |
| Rate Information               |                                                                                                                         |                               |                    |
| Measurement Basis              | 1 - DTH                                                                                                                 | Pressure Indicator?           | 1 - PSIA           |
| Pressure Base                  | 14.730                                                                                                                  | Reservation Rate Basis        | 1                  |
| Rate Schedule/Area             | FTS - M                                                                                                                 | Standalone?                   | Y                  |
| Rate Form/Type                 | 2                                                                                                                       | Bid Type                      | Percent            |
| Lesser Rate?                   | Yes                                                                                                                     | Discount Ind                  | No                 |
| Maximum Rate - Reservation     |                                                                                                                         | Minimum Rate - Reservation    |                    |
| Maximum Rate - Volumetric      | .09740                                                                                                                  | Minimum Rate -Volumetric      |                    |
| Min % - Max Rate - Reservation |                                                                                                                         | Min % - Max Rate - Volumetric | 20.00000           |
| Add-on Indicator               | None                                                                                                                    |                               |                    |
| Add-on Description             |                                                                                                                         |                               |                    |
| Previously Released?           | No                                                                                                                      | Allow Re-Release?             | No                 |
| Release Type                   | Temporary Repackaged                                                                                                    |                               |                    |
| Recallable?                    | N - Not Recallable                                                                                                      | Rpl Cap Ind                   | No                 |
| Recall Terms                   |                                                                                                                         |                               |                    |
| Special Terms                  | Includes Reservation, RES. Balancing, GRI (Demand)<br>Excludes aca, fuel, Commodity, COM. Balancing<br>GRI (Commodity). |                               |                    |

Indemnification Clause

Segment Indicator - Y

| Receipt Points  |                  |             |                   |                   |          |
|-----------------|------------------|-------------|-------------------|-------------------|----------|
| Point           | Discrepancy Line | Common Code | Name              | Allocation Method | Quantity |
| 999000          | 909              | 123467      | PRD/MKT INTERFACE | NOM               | 10000    |
| Delivery Points |                  |             |                   |                   |          |
| Point           | Discrepancy Line | Common Code | Name              | Allocation Method | Quantity |
| 013745          | 195              | 13023       | KS CITY, MO       | USG               | 10000    |

# Transportation Offer - 02000354

Create Model Offer

| Offer Information              |                                                                                                                         |                               |                    |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------|
| Quantity Type                  | 5 - Mainline Quantity                                                                                                   | Receipt                       | 09-Sep-02 03:27 PM |
| Offer Number                   | 02000354                                                                                                                | Posted                        | 09-Sep-02 03:40 PM |
| Status                         | Approved                                                                                                                | Award                         | 26-Sep-02 03:00 PM |
| Pipeline Name                  | 007906233 - WILLIAMS GAS PIPELINES CENTRAL, INC                                                                         |                               |                    |
| Releasing Shipper Information  |                                                                                                                         |                               |                    |
| Name                           | 07831 - MISSOURI GAS ENERGY, DIV OF SOUTH UNION                                                                         |                               |                    |
| Contract Number                | TA 8249                                                                                                                 | Pre Arranged?                 | N                  |
| Contact                        | Sandy Ready                                                                                                             | Phone #                       | (512) 370-8317     |
| Fax #                          | (512) 476-4966                                                                                                          | E-Mail                        | sready@sugas.com   |
| Term Information               |                                                                                                                         |                               |                    |
| Term Begin                     | 01-Oct-02                                                                                                               | Term End                      | 01-Nov-02          |
| Permanent?                     | No                                                                                                                      | Biddable Deal                 | Yes                |
| Short Term?                    | N                                                                                                                       | Term Min                      |                    |
| Quantity Information           |                                                                                                                         |                               |                    |
| Offer Quantity                 | 10000                                                                                                                   | Quantity Indicator            | 1 - DTH            |
| Min. Volume Quantity           | 10000                                                                                                                   |                               |                    |
| Min Vol Commitment %           | 100.00000                                                                                                               | Min Vol Load Factor %         | 0.00000            |
| Lesser Quantity?               | N                                                                                                                       | Quantity Minimum              | 0                  |
| Bid Information                |                                                                                                                         |                               |                    |
| Stand-alone Offer              | Yes                                                                                                                     | Bid Evaluation Method?        | 3 - Present Value  |
| Description                    | Present Value                                                                                                           |                               |                    |
| Tie Breaking Code              |                                                                                                                         |                               |                    |
| Tie-Breaking Method            | Date and Time                                                                                                           |                               |                    |
| Bid Start Date                 | 10-Sep-02 01:00 PM                                                                                                      | Bid End Date                  | 26-Sep-02 02:00 PM |
| Match Date                     |                                                                                                                         |                               |                    |
| Contingency?                   | N                                                                                                                       |                               |                    |
| Rate Information               |                                                                                                                         |                               |                    |
| Measurement Basis              | 1 - DTH                                                                                                                 | Pressure Indicator?           | 1 - PSIA           |
| Pressure Base                  | 14.730                                                                                                                  | Reservation Rate Basis        | 1                  |
| Rate Schedule/Area             | FTS - M                                                                                                                 | Standalone?                   | Y                  |
| Rate Form/Type                 | 2                                                                                                                       | Bid Type                      | Percent            |
| Lesser Rate?                   | Yes                                                                                                                     | Discount Ind                  | No                 |
| Maximum Rate - Reservation     |                                                                                                                         | Minimum Rate - Reservation    |                    |
| Maximum Rate - Volumetric      | .09740                                                                                                                  | Minimum Rate -Volumetric      |                    |
| Min % - Max Rate - Reservation |                                                                                                                         | Min % - Max Rate - Volumetric | 20.00000           |
| Add-on Indicator               | None                                                                                                                    |                               |                    |
| Add-on Description             |                                                                                                                         |                               |                    |
| Previously Released?           | No                                                                                                                      | Allow Re-Release?             | No                 |
| Release Type                   | Temporary Repackaged                                                                                                    |                               |                    |
| Recallable?                    | N - Not Recallable                                                                                                      | Rpl Cap Ind                   | No                 |
| Recall Terms                   |                                                                                                                         |                               |                    |
| Special Terms                  | Includes Reservation, RES. Balancing, GRI (Demand)<br>Excludes aca, fuel, Commodity, COM. Balancing<br>GRI (Commodity). |                               |                    |

Indemnification Clause

Segment Indicator - Y

| Receipt Points  |                  |             |                   |                   |          |
|-----------------|------------------|-------------|-------------------|-------------------|----------|
| Point           | Discrepancy Line | Common Code | Name              | Allocation Method | Quantity |
| 999000          | 909              | 123467      | PRD/MKT INTERFACE | NOM               | 10000    |
| Delivery Points |                  |             |                   |                   |          |
| Point           | Discrepancy Line | Common Code | Name              | Allocation Method | Quantity |
| 013745          | 195              | 13023       | KS CITY, MO       | USG               | 10000    |

# Transportation Offer - 02000355

Create Model Offer

| Offer Information              |                                                                                                                         |                               |                    |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------|
| Quantity Type                  | 5 - Mainline Quantity                                                                                                   | Receipt                       | 09-Sep-02 03:31 PM |
| Offer Number                   | 02000355                                                                                                                | Posted                        | 09-Sep-02 03:40 PM |
| Status                         | Approved                                                                                                                | Award                         | 26-Sep-02 03:00 PM |
| Pipeline Name                  | 007906233 - WILLIAMS GAS PIPELINES CENTRAL, INC                                                                         |                               |                    |
| Releasing Shipper Information  |                                                                                                                         |                               |                    |
| Name                           | 07831 - MISSOURI GAS ENERGY, DIV OF SOUTH UNION                                                                         |                               |                    |
| Contract Number                | TA 8249                                                                                                                 | Pre Arranged?                 | N                  |
| Contact                        | Sandy Ready                                                                                                             | Phone #                       | (512) 370-8317     |
| Fax #                          | (512) 476-4966                                                                                                          | E-Mail                        | sready@sugas.com   |
| Term Information               |                                                                                                                         |                               |                    |
| Term Begin                     | 01-Oct-02                                                                                                               | Term End                      | 01-Nov-02          |
| Permanent?                     | No                                                                                                                      | Biddable Deal                 | Yes                |
| Short Term?                    | N                                                                                                                       | Term Min                      |                    |
| Quantity Information           |                                                                                                                         |                               |                    |
| Offer Quantity                 | 10000                                                                                                                   | Quantity Indicator            | 1 - DTH            |
| Min. Volume Quantity           | 10000                                                                                                                   |                               |                    |
| Min Vol Commitment %           | 100.00000                                                                                                               | Min Vol Load Factor %         | 0.00000            |
| Lesser Quantity?               | N                                                                                                                       | Quantity Minimum              | 0                  |
| Bid Information                |                                                                                                                         |                               |                    |
| Stand-alone Offer              | Yes                                                                                                                     | Bid Evaluation Method?        | 3 - Present Value  |
| Description                    | Present Value                                                                                                           |                               |                    |
| Tie Breaking Code              |                                                                                                                         |                               |                    |
| Tie-Breaking Method            | Date and Time                                                                                                           |                               |                    |
| Bid Start Date                 | 10-Sep-02 01:00 PM                                                                                                      | Bid End Date                  | 26-Sep-02 02:00 PM |
| Match Date                     |                                                                                                                         |                               |                    |
| Contingency?                   | N                                                                                                                       |                               |                    |
| Rate Information               |                                                                                                                         |                               |                    |
| Measurement Basis              | 1 - DTH                                                                                                                 | Pressure Indicator?           | 1 - PSIA           |
| Pressure Base                  | 14.730                                                                                                                  | Reservation Rate Basis        | 1                  |
| Rate Schedule/Area             | FTS - P                                                                                                                 | Standalone?                   | Y                  |
| Rate Form/Type                 | 2                                                                                                                       | Bid Type                      | Percent            |
| Lesser Rate?                   | Yes                                                                                                                     | Discount Ind                  | No                 |
| Maximum Rate - Reservation     |                                                                                                                         | Minimum Rate - Reservation    |                    |
| Maximum Rate - Volumetric      | 18980                                                                                                                   | Minimum Rate -Volumetric      |                    |
| Min % - Max Rate - Reservation |                                                                                                                         | Min % - Max Rate - Volumetric | 20.00000           |
| Add-on Indicator               | None                                                                                                                    |                               |                    |
| Add-on Description             |                                                                                                                         |                               |                    |
| Previously Released?           | No                                                                                                                      | Allow Re-Release?             | No                 |
| Release Type                   | Temporary Repackaged                                                                                                    |                               |                    |
| Recallable?                    | N - Not Recallable                                                                                                      | Rpl Cap Ind                   | No                 |
| Recall Terms                   |                                                                                                                         |                               |                    |
| Special Terms                  | Includes Reservation, RES. Balancing, GRI (Demand)<br>Excludes aca, fuel, Commodity, COM. Balancing<br>GRI (Commodity). |                               |                    |

Indemnification Clause

Segment Indicator - Y

| Receipt Points  |                  |             |                               |                   |          |
|-----------------|------------------|-------------|-------------------------------|-------------------|----------|
| Point           | Discrepancy Line | Common Code | Name                          | Allocation Method | Quantity |
| 016289          | 130              | 134412      | KS HUGOTON MAINLINE INTERFACE | OBA               | 10000    |
| Delivery Points |                  |             |                               |                   |          |
| Point           | Discrepancy Line | Common Code | Name                          | Allocation Method | Quantity |
| 999000          | 909              | 123467      | PRD/MKT INTERFACE             | NOM               | 10000    |

## Transportation Offer - 02000414

Create Model Offer

| Offer Information              |                                                                                                                         |                               |                    |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------|
| Quantity Type                  | 5 - Mainline Quantity                                                                                                   | Receipt                       | 16-Oct-02 02:43 PM |
| Offer Number                   | 02000414                                                                                                                | Posted                        | 16-Oct-02 02:53 PM |
| Status                         | Approved                                                                                                                | Award                         | 30-Oct-02 03:00 PM |
| Pipeline Name                  | 007906233 - WILLIAMS GAS PIPELINES CENTRAL, INC                                                                         |                               |                    |
| Releasing Shipper Information  |                                                                                                                         |                               |                    |
| Name                           | 07831 - MISSOURI GAS ENERGY, DIV OF SOUTH UNION                                                                         |                               |                    |
| Contract Number                | TA 8249                                                                                                                 | Pre Arranged?                 | N                  |
| Contact                        | Sandy Ready                                                                                                             | Phone #                       | (512) 370-8317     |
| Fax #                          | (512) 476-4966                                                                                                          | E-Mail                        | sready@sugas.com   |
| Term Information               |                                                                                                                         |                               |                    |
| Term Begin                     | 01-Nov-02                                                                                                               | Term End                      | 01-Dec-02          |
| Permanent?                     | No                                                                                                                      | Biddable Deal                 | Yes                |
| Short Term?                    | N                                                                                                                       | Term Min                      |                    |
| Quantity Information           |                                                                                                                         |                               |                    |
| Offer Quantity                 | 10000                                                                                                                   | Quantity Indicator            | 1 - DTH            |
| Min. Volume Quantity           | 10000                                                                                                                   |                               |                    |
| Min Vol Commitment %           | 100.00000                                                                                                               | Min Vol Load Factor %         | 0.00000            |
| Lesser Quantity?               | N                                                                                                                       | Quantity Minimum              | 0                  |
| Bid Information                |                                                                                                                         |                               |                    |
| Stand-alone Offer              | Yes                                                                                                                     | Bid Evaluation Method?        | 3 - Present Value  |
| Description                    | Present Value                                                                                                           |                               |                    |
| Tie Breaking Code              |                                                                                                                         |                               |                    |
| Tie-Breaking Method            | Date and Time                                                                                                           |                               |                    |
| Bid Start Date                 | 17-Oct-02 01:00 PM                                                                                                      | Bid End Date                  | 30-Oct-02 02:00 PM |
| Match Date                     |                                                                                                                         |                               |                    |
| Contingency?                   | N                                                                                                                       |                               |                    |
| Rate Information               |                                                                                                                         |                               |                    |
| Measurement Basis              | 1 - DTH                                                                                                                 | Pressure Indicator?           | 1 - PSIA           |
| Pressure Base                  | 14.730                                                                                                                  | Reservation Rate Basis        | 1                  |
| Rate Schedule/Area             | FTS - P                                                                                                                 | Standalone?                   | Y                  |
| Rate Form/Type                 | 2                                                                                                                       | Bid Type                      | Percent            |
| Lesser Rate?                   | Yes                                                                                                                     | Discount Ind                  | No                 |
| Maximum Rate - Reservation     |                                                                                                                         | Minimum Rate - Reservation    |                    |
| Maximum Rate - Volumetric      | 1.18980                                                                                                                 | Minimum Rate -Volumetric      |                    |
| Min % - Max Rate - Reservation |                                                                                                                         | Min % - Max Rate - Volumetric | 20.00000           |
| Add-on Indicator               | None                                                                                                                    |                               |                    |
| Add-on Description             |                                                                                                                         |                               |                    |
| Previously Released?           | No                                                                                                                      | Allow Re-Release?             | No                 |
| Release Type                   | Temporary Repackaged                                                                                                    |                               |                    |
| Recallable?                    | N - Not Recallable                                                                                                      | Rpl Cap Ind                   | No                 |
| Recall Terms                   |                                                                                                                         |                               |                    |
| Special Terms                  | Includes Reservation, RES. Balancing, GRI (Demand)<br>Excludes aca, fuel, Commodity, COM. Balancing<br>GRI (Commodity). |                               |                    |

Indemnification Clause

Segment Indicator - Y

| Receipt Points  |                  |             |                               |                   |          |
|-----------------|------------------|-------------|-------------------------------|-------------------|----------|
| Point           | Discrepancy Line | Common Code | Name                          | Allocation Method | Quantity |
| 016289          | 130              | 134412      | KS HUGOTON MAINLINE INTERFACE | OBA               | 10000    |
| Delivery Points |                  |             |                               |                   |          |
| Point           | Discrepancy Line | Common Code | Name                          | Allocation Method | Quantity |
| 999000          | 909              | 123467      | PRD/MKT INTERFACE             | NOM               | 10000    |

# Transportation Offer - 02000415

Create Model Offer

| Offer Information              |                                                                                                                         |                               |                    |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------|
| Quantity Type                  | S - Mainline Quantity                                                                                                   | Receipt                       | 16-Oct-02 02:46 PM |
| Offer Number                   | 02000415                                                                                                                | Posted                        | 16-Oct-02 02:56 PM |
| Status                         | Approved                                                                                                                | Award                         | 30-Oct-02 03:00 PM |
| Pipeline Name                  | 007906233 - WILLIAMS GAS PIPELINES CENTRAL, INC                                                                         |                               |                    |
| Releasing Shipper Information  |                                                                                                                         |                               |                    |
| Name                           | 07831 - MISSOURI GAS ENERGY, DIV OF SOUTH UNION                                                                         |                               |                    |
| Contract Number                | TA 8249                                                                                                                 | Pre Arranged?                 | N                  |
| Contact                        | Sandy Ready                                                                                                             | Phone #                       | (512) 370-8317     |
| Fax #                          | (512) 476-4966                                                                                                          | E-Mail                        | sready@sugas.com   |
| Term Information               |                                                                                                                         |                               |                    |
| Term Begin                     | 01-Nov-02                                                                                                               | Term End                      | 01-Dec-02          |
| Permanent?                     | No                                                                                                                      | Biddable Deal                 | Yes                |
| Short Term?                    | N                                                                                                                       | Term Min                      |                    |
| Quantity Information           |                                                                                                                         |                               |                    |
| Offer Quantity                 | 10000                                                                                                                   | Quantity Indicator            | 1 - DTH            |
| Min. Volume Quantity           | 10000                                                                                                                   |                               |                    |
| Min Vol Commitment %           | 100.00000                                                                                                               | Min Vol Load Factor %         | 0.00000            |
| Lesser Quantity?               | N                                                                                                                       | Quantity Minimum              | 0                  |
| Bid Information                |                                                                                                                         |                               |                    |
| Stand-alone Offer              | Yes                                                                                                                     | Bid Evaluation Method?        | 3 - Present Value  |
| Description                    | Present Value                                                                                                           |                               |                    |
| Tie Breaking Code              |                                                                                                                         |                               |                    |
| Tie-Breaking Method            | Date and Time                                                                                                           |                               |                    |
| Bid Start Date                 | 17-Oct-02 01:00 PM                                                                                                      | Bid End Date                  | 30-Oct-02 02:00 PM |
| Match Date                     |                                                                                                                         |                               |                    |
| Contingency?                   | N                                                                                                                       |                               |                    |
| Rate Information               |                                                                                                                         |                               |                    |
| Measurement Basis              | 1 - DTH                                                                                                                 | Pressure Indicator?           | 1 - PSIA           |
| Pressure Base                  | 14.730                                                                                                                  | Reservation Rate Basis        | 1                  |
| Rate Schedule/Area             | FTS - M                                                                                                                 | Standalone?                   | Y                  |
| Rate Form/Type                 | 2                                                                                                                       | Bid Type                      | Percent            |
| Lesser Rate?                   | Yes                                                                                                                     | Discount Ind                  | No                 |
| Maximum Rate - Reservation     |                                                                                                                         | Minimum Rate - Reservation    |                    |
| Maximum Rate - Volumetric      | .09740                                                                                                                  | Minimum Rate -Volumetric      |                    |
| Min % - Max Rate - Reservation |                                                                                                                         | Min % - Max Rate - Volumetric | 20.00000           |
| Add-on Indicator               | None                                                                                                                    |                               |                    |
| Add-on Description             |                                                                                                                         |                               |                    |
| Previously Released?           | No                                                                                                                      | Allow Re-Release?             | No                 |
| Release Type                   | Temporary Repackaged                                                                                                    |                               |                    |
| Recallable?                    | N - Not Recallable                                                                                                      | Rpl Cap Ind                   | No                 |
| Recall Terms                   |                                                                                                                         |                               |                    |
| Special Terms                  | Includes Reservation, RES. Balancing, GRI (Demand)<br>Excludes aca, fuel, Commodity, COM. Balancing<br>GRI (Commodity). |                               |                    |

Indemnification Clause

Segment Indicator - Y

| Receipt Points  |                  |             |                   |                   |          |
|-----------------|------------------|-------------|-------------------|-------------------|----------|
| Point           | Discrepancy Line | Common Code | Name              | Allocation Method | Quantity |
| 999000          | 909              | 123467      | PRD/MKT INTERFACE | NOM               | 10000    |
| Delivery Points |                  |             |                   |                   |          |
| Point           | Discrepancy Line | Common Code | Name              | Allocation Method | Quantity |
| 013745          | 195              | 13023       | KS CITY, MO       | USG               | 10000    |

MLT 12



**MGE**

3420 Broadway • Kansas City, MO • 64111-2404 • (816) 360-5755

September 26, 2000

**ROBERT J. HACK**

Vice President, Pricing & Regulatory Affairs

Thomas R. Schwarz, Jr.  
Deputy General Counsel  
Missouri Public Service Commission  
P.O. Box 360  
Jefferson City, MO 65102

**RE: Case No. GO-2000-705, Missouri Gas Energy**

Dear Tim:

I write you with no small amount of dismay upon reflection about our conference call on the afternoon of September 20. MGE initiated the conference call. We had hoped to engage representatives of the Commission Staff and the Office of the Public Counsel in a constructive discussion about possible actions that could be undertaken to mitigate the customer impacts of high gas costs this coming winter within the context of the Fixed Commodity Price PGA agreement approved by the Commission. Our sense of the meeting, is that the Staff prefers not to be involved with decisions on market prices, and this position has essentially repudiated some of the fundamental concepts we believe underlie the collaborative effort that was set up within the Fixed Commodity Price PGA agreement.

### **Price Stabilization Program**

We first discussed the possibility of altering the parameters of the Price Stabilization Program to make it possible for MGE to obtain some level of price protection on this winter's volumes. The terms of the Fixed Commodity Price PGA agreement required MGE to obtain call options, market conditions permitting, prior to September 30, 2000, covering 70% of normal flowing November-March volumes at a strike price not to exceed \$4.40/MMBtu and a total cost not to exceed \$3.050 million. Prudence review of such purchases was precluded by the agreement.

As the Staff was aware, market conditions between August 1 (the date the Commission approved the agreement) and September 30, 2000, did not permit MGE to purchase any call options meeting those parameters. Our market research as of early September indicated that call options covering 70% of normal flowing November-March volumes at a strike price of approximately \$8/MMBtu could be purchased for \$3.050 million. It also indicated that for the same overall cost, the strike price could be reduced

to about \$7.50/MMBtu if we covered 70% of the normal flowing volumes for only the months of December-February. We saw more value in the latter and proposed to modify the Price Stabilization Program to reflect those terms, although we acknowledged that this strike price cap was extremely high and therefore that other alternatives, including a decision not to purchase any price protection, could certainly be deemed reasonable in light of the extreme volatility we continue to see in the wholesale market.

Our perception of the Staff's response is, in a nutshell, "MGE, you should do what you think is best, and we'll review your actions after-the-fact. If we think what you did was reasonable, we'll most likely permit you to recover the associated costs. If we disagree with what you did, however, we'll propose to disallow the associated costs." First, this is contrary to how MGE's Price Stabilization Program operated during the winters of 1997-1998, 1998-1999 and 1999-2000, as well as how it was proposed to operate in the Fixed Commodity Price PGA settlement approved by the Commission. Second, it ignores the fact that MGE currently has no upside earnings potential in its gas commodity transactions; that is, the best MGE can hope for through the ACA process is to be made whole. Given the fact that the Staff has proposed multi-million dollar disallowances in every MGE ACA proceeding to date, willingly agreeing to be exposed to additional after-the-fact prudence review by the Staff is not something that MGE considers advisable.

#### **NYMEX Trigger Price for the Fixed Commodity Price PGA**

The next item we discussed was the possibility of adjusting the trigger price contained in the Fixed Commodity Price PGA agreement. The \$2.25/MMBtu trigger price contained in the agreement was negotiated over an 18-month period of time and first filed with the Commission in April of 2000. The agreement approved by the Commission calls for re-examination of the trigger price by MGE, the Staff and Public Counsel every two months following Commission approval in light of intervening natural gas market activity.

MGE provided information to the Staff and Public Counsel showing MGE's actual average cost of gas over the most recent twelve months (\$2.93/MMBtu), six months (\$3.28/MMBtu) and three months (\$3.83/MMBtu). We also provided a twelve month forecast based on the NYMEX strip as of September 5, 2000 (using the same volumes as the most recent twelve months history) producing a weighted average forecast cost of \$4.50/MMBtu. By averaging the most recent twelve months history and the twelve month forecast, MGE proposed increasing the trigger price to \$3.75/MMBtu.

Our perception of the Staff response to this proposal is that the Staff is unwilling to adjust the trigger price upwards unless there is some reasonable likelihood that the adjusted trigger price could actually be implemented and the Staff is able to reach some comfort level that the market price of natural gas is not going to further bottom-out below that adjusted trigger price. Although we appreciate, and to a large extent share, the Staff's desire to minimize gas commodity costs billed to our customers, one of the fundamental concepts underlying the Fixed Commodity Price PGA agreement is that

eliminating gas cost volatility within the PGA is a good thing. Now we also understand that eliminating volatility was not the only objective and that that objective must be balanced against overall price levels. A cost of \$4/MMBtu looks good today. Will a cost of \$5.50/MMBtu look good tomorrow?

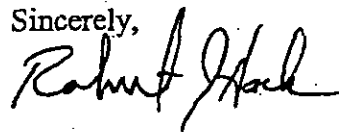
We understand that nobody expected the current high prices and nobody can predict for certain whether they will last for three months, six months, twelve months or longer. Thus, the Staff's unwillingness to lock in a trigger price based on today's market for a period of two years is not entirely without justification. To address this concern, MGE offered the possibility of fixing the commodity cost within the PGA, on the basis of current market conditions, only for this winter season. Our perception of the Staff's response is, in a nutshell, "MGE, you should do what you think is best, and we'll review your actions after-the-fact. If we think what you did was reasonable, we'll most likely permit you to recover the associated costs. If we disagree with what you did, however, we'll propose to disallow the associated costs." Again, willingly agreeing to be exposed to additional after-the-fact prudence review by the Staff on decisions regarding market prices for financial instrument contracts is not something that MGE considers advisable.

We had hoped that the signing and approval of the Fixed Commodity Price PGA represented a breakthrough in Missouri regulation, where customer impacts were addressed in a thoughtful, collaborative and creative fashion.

MGE will continue to explore ways to mitigate the customer impact of the current high gas costs. We welcome and invite the Staff's constructive input in advance. In any event, MGE believes it will need to notify the Commission that it has been unable to purchase call options within the parameters set out in the Fixed Commodity Price PGA agreement approved by the Commission. MGE also expects to seek Commission approval of modifications, along the lines of those discussed earlier in this letter, to the Price Stabilization Program set out in the Fixed Commodity Price PGA agreement.

Please call me if you would like to discuss this matter.

Sincerely,



CC: Doug Micheel  
Mike Langston

MLT 13

|    | A           | C                                                                                                                                                 | D                                                                                  | E                                 | F                                  | G                                                                       | H                            | I                               | J                                                   | K              | L                            | M                          | N                                           | O                               | P                | Q               | R              | S                              |                     |
|----|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------------------------------------------|------------------------------|---------------------------------|-----------------------------------------------------|----------------|------------------------------|----------------------------|---------------------------------------------|---------------------------------|------------------|-----------------|----------------|--------------------------------|---------------------|
| 1  | MGE         | Company planned hedge considers normal planned storage withdrawals and volumes w/ fixed price                                                     |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                | Highly Confidential            |                     |
| 2  | GR-2001-382 | Staff calculations for hedge effect compare Company planned hedges to a minimal hedge of 30% of normal requirements                               |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 3  |             | Staff proposed adjustment - Do not accept Company forecasts for flowing supplies and storage w/d for First-of-Month as Reasonable, so Revised FOM |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 4  |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 5  |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 6  |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 7  |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 8  |             |                                                                                                                                                   | (C + D)                                                                            | (B - G)                           | 0 for H<0,<br>Else =H              | (J - K)                                                                 | (I x L)                      | (F - E)                         | (P - O)                                             | (Q x N)        | (M+R)                        |                            |                                             |                                 |                  |                 |                |                                |                     |
|    |             |                                                                                                                                                   | Hedge Effect                                                                       |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            | Storage Effect                              |                                 |                  |                 |                |                                |                     |
| 9  | Month       | 30% of<br>Normal Req                                                                                                                              | Company's<br>Normal<br>Monthly<br>Storage w/d                                      | Volumes w/<br>Fixed Price         | Actual<br>Volumes<br>Withdrawn     | Expected<br>Storage<br>Withdrawals<br>(for revised<br>flowing supplies) | Planned<br>Hedged<br>Volumes | 30% Normal<br>Planned<br>Hedged | Volumes<br>Short for<br>Minimum<br>Planned<br>Hedge | NYMEX<br>close | Available<br>Hedged<br>Price | Futures<br>Gain/<br>(Loss) | (Credit)/<br>Charge for<br>Minimum<br>Hedge | Storage<br>Expected -<br>Actual | Storage<br>WACOG | Williams<br>FOM | FOM -<br>WACOG | Storage<br>(Credit)/<br>Charge | Total<br>Adjustment |
| 10 | Nov-00      | 2,220,108                                                                                                                                         | 4,150,168                                                                          | 0                                 | 5,673,557                          | 3,464,287                                                               | 4,150,168                    | (1,930,058)                     | 0                                                   | \$ 4.541       | \$ 4.852                     | \$ (0.111)                 | \$0                                         | (2,209,290)                     | \$ 4.261         | \$ 4.430        | \$ 0.169       | \$ (372,585)                   | \$ (372,585)        |
| 11 | Dec-00      | 3,712,640                                                                                                                                         | 3,454,240                                                                          | 620,000                           | 6,727,710                          | 5,521,252                                                               | 4,074,240                    | (361,600)                       | 0                                                   | \$ 6.018       | \$ 4.726                     | \$ 1.290                   | \$0                                         | (1,208,458)                     | \$ 4.224         | \$ 5.900        | \$ 1.676       | \$ (2,021,998)                 | \$ (2,021,998)      |
| 12 | Jan-01      | 4,160,528                                                                                                                                         | 3,464,251                                                                          | 620,000                           | 170,523                            | 1,257,104                                                               | 4,084,251                    | 76,275                          | 76,275                                              | \$ 9.978       | \$ 4.705                     | \$ 5.273                   | \$402,198                                   | 1,086,581                       | \$ 4.279         | \$ 9.980        | \$ 5.701       | \$ 6,194,598                   | \$ 6,596,796        |
| 13 | Feb-01      | 3,364,049                                                                                                                                         | 3,182,867                                                                          | 2,237,309                         | 2,467,950                          | 4,440,494                                                               | 5,400,178                    | (2,036,127)                     | 0                                                   | \$ 6.293       | \$ 4.475                     | \$ 1.818                   | \$0                                         | 1,972,544                       | \$ 4.279         | \$ 6.290        | \$ 2.011       | \$ 3,967,515                   | \$ 3,967,515        |
| 14 | Mar-01      | 2,527,042                                                                                                                                         | 2,247,507                                                                          | 0                                 | 1,818,292                          | 2,197,066                                                               | 2,247,507                    | 279,535                         | 279,535                                             | \$ 4.998       | \$ 4.239                     | \$ 0.759                   | \$212,167                                   | 380,773                         | \$ 4.285         | \$ 5.030        | \$ 0.745       | \$ 283,499                     | \$ 495,666          |
| 15 | Total       | 15,884,365                                                                                                                                        | 16,479,031                                                                         | 3,477,309                         | 16,656,032                         | 16,880,182                                                              | 19,956,340                   | (3,971,975)                     | 355,810                                             |                |                              |                            | \$614,263                                   | 24,150                          |                  |                 |                | \$ 6,051,643                   | \$ 6,655,414        |
| 16 |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 17 |             | FOM Plans vs Expected                                                                                                                             |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
|    |             | Company<br>Planned<br>Flowing<br>Supplies                                                                                                         | Expected<br>Flowing<br>Supplies                                                    | Company<br>Planned<br>Storage w/d | Expected<br>Planned<br>Storage w/d |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 18 | Month       |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 19 | Nov-00      | 3,228,660                                                                                                                                         | 5,437,950                                                                          | 4,278,150                         | 2,068,860                          |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 20 | Dec-00      | 8,979,150                                                                                                                                         | 10,185,608                                                                         | 3,048,494                         | 2,460,036                          |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 21 | Jan-01      | 12,562,471                                                                                                                                        | 11,475,890                                                                         | 1,735,070                         | 2,821,851                          |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 22 | Feb-01      | 8,537,004                                                                                                                                         | 8,564,460                                                                          | 2,433,424                         | 4,965,988                          |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 23 | Mar-01      | 5,662,288                                                                                                                                         | 5,481,513                                                                          | 2,022,285                         | 3,178,058                          |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 24 | Total       | 39,169,571                                                                                                                                        | 39,145,421                                                                         | 13,515,423                        | 15,494,573                         |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 25 |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 26 |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 27 |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 28 |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 29 |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 30 |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 31 |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 32 | Sources:    |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 33 |             | a                                                                                                                                                 | winter months of 2000/01 ACA period                                                |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 34 |             | b                                                                                                                                                 | see worksheet "Normals"                                                            |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 35 |             | c                                                                                                                                                 | from DR #28; see worksheet "Normals"                                               |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 36 |             | d                                                                                                                                                 | DR #2 - Duke Invoices                                                              |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 37 |             | e                                                                                                                                                 | from worksheet "Storage Actuals"                                                   |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 38 |             | f                                                                                                                                                 | see worksheet "Normals"                                                            |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 39 |             | g                                                                                                                                                 | column c + column d                                                                |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 40 |             | h                                                                                                                                                 | column b - column g                                                                |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 41 |             | i                                                                                                                                                 | if column h is < 0, then enter 0; if column h is > 0 then enter number in column h |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 42 |             | j                                                                                                                                                 | see sheet "NYMEX close"                                                            |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 43 |             | k                                                                                                                                                 | see sheet "Available Hedge Price"                                                  |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 44 |             | l                                                                                                                                                 | column j - column k                                                                |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 45 |             | m                                                                                                                                                 | column i x column l                                                                |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 46 |             | n                                                                                                                                                 | column f - column e                                                                |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 47 |             | o                                                                                                                                                 | see sheet "hedges"                                                                 |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 48 |             | p                                                                                                                                                 | Inside FERC's Gas Market Report Williams Index for Nov 2000 - March 2001           |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 49 |             | q                                                                                                                                                 | column p - column o                                                                |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 50 |             | r                                                                                                                                                 | column q x column n                                                                |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 51 |             | s                                                                                                                                                 | column m + column r                                                                |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |
| 52 |             |                                                                                                                                                   |                                                                                    |                                   |                                    |                                                                         |                              |                                 |                                                     |                |                              |                            |                                             |                                 |                  |                 |                |                                |                     |

## Hedges for Winter Months

| Month  | William Storage |                   |              |               | PEPL     |                   |          |               | Total Storage     |                           | Fixed Prices |         |             | Total Hedged |              |
|--------|-----------------|-------------------|--------------|---------------|----------|-------------------|----------|---------------|-------------------|---------------------------|--------------|---------|-------------|--------------|--------------|
|        | WACOG           | Volumes withdrawn | Williams FOM | Storage Hedge | WACOG    | Volumes withdrawn | PEPL FOM | Storage Hedge | Volumes Withdrawn | Total Cost of Volumes W/D | Price        | Volume  | FP Hedge    | Volumes      | Amount       |
| Nov-00 | \$ 4.267        | 5,627,352         | \$ 4.43      | \$24,010,948  | \$ 3.596 | 46,205            | \$ 4.41  | \$ 166,147    | 5,673,557         | \$24,177,095              | \$ -         | 0       | 0           | 5,673,557    | \$24,177,095 |
| Dec-00 | \$ 4.267        | 6,298,345         | \$ 5.90      | \$26,874,053  | \$ 3.596 | 429,365           | \$ 5.88  | \$1,543,935   | 6,727,710         | \$28,417,988              | \$4.790      | 310,000 | \$1,484,800 | 7,347,710    | \$31,368,088 |
|        |                 |                   |              |               |          |                   |          |               |                   |                           | \$4.720      | 310,000 | \$1,463,200 |              |              |
| Jan-01 | \$ 4.267        | -                 | \$ 9.98      | \$ -          | \$ 3.596 | 207,359           | \$ 9.92  | \$ 745,633    | 207,359           | \$ 745,633                | \$4.775      | 310,000 | 1,480,250   | 827,359      | 3,740,233    |
|        |                 |                   |              |               |          |                   |          |               |                   |                           | \$4.885      | 310,000 | 1,514,350   |              |              |
| Feb-01 | \$ 4.338        | 2,269,206         | \$ 6.29      | \$ 9,844,791  | \$ 3.596 | 198,744           | \$ 6.22  | \$ 714,655    | 2,467,950         | \$10,559,446              | \$4.615      | 280,000 | 1,292,200   | 4,705,259    | 26,284,851   |
|        |                 |                   |              |               |          |                   |          |               |                   |                           | \$4.705      | 280,000 | 1,317,400   |              |              |
|        |                 |                   |              |               |          |                   |          |               |                   |                           | \$8.490      | 558,010 | 4,737,505   |              |              |
|        |                 |                   |              |               |          |                   |          |               |                   |                           | \$7.980      | 560,000 | 4,468,800   |              |              |
|        |                 |                   |              |               |          |                   |          |               |                   |                           | \$6.990      | 659,299 | 3,909,500   |              |              |
| Mar-01 | \$ 4.338        | 1,686,681         | \$ 5.03      | \$ 7,317,592  | \$ 3.596 | 129,811           | \$ 5.01  | \$ 466,063    | 1,816,292         | \$ 7,783,655              | \$ -         | -       | -           | 1,816,292    | 7,783,655    |
|        |                 |                   |              | \$68,047,385  |          |                   |          | \$3,636,433   | 16,892,868        | \$71,683,818              |              |         | 21,668,105  | 20,370,177   | \$93,351,922 |

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| NYMEX          |               |          |
|----------------|---------------|----------|
| Month          | Closing Price | Date     |
| November, 2000 | 4.541         | 10/28/00 |
| December, 2000 | 6.016         | 11/28/00 |
| January, 2001  | 9.978         | 12/27/00 |
| February, 2001 | 6.293         | 1/29/01  |
| March, 2001    | 4.998         | 2/26/01  |

Source: NYMEX closing prices taken from The Wall Street Journal

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First of Month Nominations on Duke must be made 5 business days before FOM. So, Staff reviewed decisions made on 10/24/00, 11/22/00, 12/21/00, 1/24/01, and 2/21/01.

| Information Known As Of:                                                           | 10/24/00   | 11/22/00   | 12/21/00                                   | 01/24/01                                | 02/21/01   |
|------------------------------------------------------------------------------------|------------|------------|--------------------------------------------|-----------------------------------------|------------|
| From Storage Analysis Report:                                                      | Nov-00     | Nov-00     | Dec-00                                     | Jan-01                                  | Feb-01     |
| Forecasted demand and storage Inj & w/d entered for actual HDD through:            | 10/23/00   | 11/21/00   | 12/20/00                                   | 01/23/01                                | 02/20/01   |
| Actual HDD through this date                                                       | 258        | 838        | 1,368                                      | 1,368                                   | 1,076      |
| Forecasted HDD for remainder of month                                              | 77         | 246        | 514                                        | 553                                     | 254        |
| Known & expected HDD for month                                                     | 333        | 1,084      | 1,882                                      | 1,921                                   | 1,330      |
| Expected monthly HDD as % of normal HDD (calculated this - not in report)          |            | 165.0%     | 175.4%                                     | 178.0%                                  | 109.2%     |
|                                                                                    |            |            |                                            |                                         | 125.5%     |
| EOM Storage Balances                                                               |            |            | Revised Nov-00 to include ISS <sup>3</sup> | Rev 12/20 to include 12/31 <sup>4</sup> |            |
| TSS                                                                                | 14,948,357 | 10,708,780 | 11,208,780                                 | 4,227,928                               | 4,112,139  |
| FSS                                                                                | 1,121,988  | 1,121,952  | 1,121,952                                  | 1,041,777                               | 1,041,777  |
| PEPLWS                                                                             | 1,453,926  | 1,009,107  | 1,009,497                                  | 598,035                                 | 591,696    |
| Total Storage Inventory                                                            | 17,524,251 | 12,839,839 | 13,339,839                                 | 5,867,740                               | 5,745,612  |
| % of MSQ                                                                           | 98.6%      | 72.3%      | 75.1%                                      | 33.0%                                   | 32.3%      |
| Inventory remaining to be filled                                                   | 243,378    |            |                                            |                                         |            |
| From Company Reliability Report:                                                   | Nov-00     | Dec-00     | Jan-01                                     | Feb-01                                  | Mar-01     |
| Forecasted Demand:                                                                 |            |            |                                            |                                         |            |
| Base Case - 30 Year Normal Weather                                                 | 7,400,361  | 12,375,465 | 13,888,421                                 | 11,213,497                              | 8,423,472  |
| Low Case                                                                           | 5,587,935  | 10,582,504 | 10,077,482                                 | 8,819,853                               | 6,845,539  |
| High Case                                                                          | 9,140,788  | 17,896,663 | 16,186,584                                 | 13,732,070                              | 10,514,864 |
| coldest month HDD                                                                  | 398        | 763        | 841                                        | 646                                     | 529        |
| hottest month HDD                                                                  | 657        | 1,073      | 1,218                                      | 946                                     | 691        |
| coldest month HDD                                                                  | 877        | 1,606      | 1,629                                      | 1,274                                   | 1,057      |
| Using Company Heatload & base load factors in Reliability Report w/ historical HDD | Nov-00     | Dec-00     | Jan-01                                     | Feb-01                                  | Mar-01     |
| Number of days in month                                                            | 30         | 31         | 31                                         | 28                                      | 31         |
| estimated demand w/ warmest HDD                                                    | 5,591,673  | 9,457,584  | 10,273,551                                 | 8,090,819                               | 7,009,684  |
| estimated demand w/ normal HDD                                                     | 8,301,101  | 12,700,529 | 14,217,391                                 | 11,229,153                              | 8,704,384  |
| estimated demand w/ coldest HDD                                                    | 10,602,546 | 18,278,302 | 18,516,908                                 | 14,660,398                              | 12,533,151 |
| From Company Supply/Demand Summary:                                                | Nov-00     | Dec-00     | Jan-01                                     | Feb-01                                  | Mar-01     |
| Normal Monthly Demand                                                              | 7,425,381  | 12,400,465 | 13,893,421                                 | 11,238,497                              | 8,448,472  |
| Daily Average Demand                                                               | 247,512    | 400,015    | 448,175                                    | 401,375                                 | 272,531    |
| Demand to be met w/ storage w/d <sup>2</sup>                                       |            |            |                                            |                                         |            |
| TSS                                                                                | 138,333    | 91,935     | 49,355                                     | 79,914                                  | 61,115     |
| FSS                                                                                | 0          | 0          | 0                                          | 0                                       | 0          |
| PEPLWS                                                                             | 4,272      | 6,339      | 6,615                                      | 6,994                                   | 4,120      |
| Total Storage w/d                                                                  | 142,605    | 98,274     | 55,970                                     | 86,908                                  | 65,235     |
| Fuel Requirements                                                                  | 2,715      | 7,909      | 13,036                                     | 10,426                                  | 6,810      |
| Daily Avg Demand still to be met (with flowing or ?)                               | 107,622    | 309,650    | 405,241                                    | 324,893                                 | 214,106    |
| Less Planned Flowing Supplies                                                      | 107,622    | 289,650    | 405,241                                    | 304,893                                 | 189,106    |
| Daily Avg Demand still to be met with                                              | 0          | 20,000     | 0                                          | 20,000                                  | 25,000     |
| From BR28 response:                                                                | Nov-00     | Dec-00     | Jan-01                                     | Feb-01                                  | Mar-01     |
| Planned Normal Storage Withdrawals                                                 | 4,150,166  | 3,454,240  | 3,464,251                                  | 3,162,867                               | 2,247,507  |

To table  
3-3  
col. 1

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## Storage Inventory - Actuals

|                        | EOM Storage Inventory <sup>5</sup> |            |            |           |           |           |         |
|------------------------|------------------------------------|------------|------------|-----------|-----------|-----------|---------|
|                        | Sep-00                             | Oct-00     | Nov-00     | Dec-00    | Jan-01    | Feb-01    | Mar-01  |
| Williams SA-0014 (TSS) | 14,122,908                         | 15,593,505 | 9,966,153  | 3,747,983 | 3,784,819 | 2,515,613 | 870,709 |
| Williams SA-0072 (FS)  | 975,369                            | 1,121,952  | 1,121,952  | 1,041,777 | 1,041,777 | 41,777    | 0       |
| PEPL WS-012626         | 778,088                            | 0          | 0          | 0         | 0         | 0         | 0       |
| PEPL WS-012627         | 163,143                            | 1,051,108  | 1,004,903  | 575,538   | 368,179   | 169,435   | 39,824  |
| Total                  | 16,041,508                         | 17,765,565 | 12,093,008 | 5,365,298 | 5,194,775 | 2,726,825 | 910,533 |

Given the information known when decisions were made regarding first-of-month nominations, Staff believes that the FOM nominations would have been different - November FOM nominations would have been higher to allow storage to be reserved for the normally colder months of December and January and to assure that the Company had sufficient withdrawal capabilities to cover a possible late winter cold snap. Storage balances and FOM nominations for this option is presented below:

Table 3-1: Storage withdrawals expected based on distribution of normal HDD

|        | Normal HDD | Monthly Distr. | Storage Distr. |
|--------|------------|----------------|----------------|
| Nov-00 | 857        | 14.3%          | 2,474,338      |
| Dec-00 | 1,073      | 23.4%          | 4,122,699      |
| Jan-01 | 1,218      | 26.6%          | 4,679,820      |
| Feb-01 | 948        | 20.8%          | 3,634,737      |
| Mar-01 | 691        | 15.1%          | 2,677,578      |
| Total  | 4,585      | 100.0%         | 17,589,170     |

Storage distribution is based on the percentage of normal HDD occurring in that month times the total storage inventory. For November, would use the total MSQ less 500,000 allowed by Company for injections in Nov if weather is warmer than normal. For Dec - Mar, Company would know the beginning balance at start of November, so adjust accordingly - including additional 150,000 ISS allowed in Nov.

check: Oct end-of-month inv = 17,766,565

total expected storage if adjust Nov by 150,000 from ISS = 17,739,170

Table 3-2: Staff's calculation of expected storage withdrawal and flowing supplies for Company planned normals

|                                                                                                                        | Nov-00    | Nov-00 Rev | Dec-00     | Dec-00 Rev | Jan-01     | Feb-01     | Mar-01    |
|------------------------------------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|------------|-----------|
| Monthly Demand                                                                                                         | 7,425,381 | 7,425,361  | 12,400,465 | 12,400,465 | 13,893,421 | 11,238,497 | 8,448,472 |
| Daily Average Demand                                                                                                   | 247,512   | 247,512    | 400,015    | 400,015    | 448,175    | 401,375    | 272,531   |
| Daily Demand to be met w/ storage w/d plus storage w/d allowed for ISS in Nov less storage for excess from prior month | 82,478    |            | 132,990    |            | 150,962    | 129,812    | 86,373    |
| Subtotal of daily storage w/d                                                                                          | 87,478    | 68,962     | 148,116    | 79,356     | 91,021     | 177,358    | 102,518   |
| Daily Fuel Requirements                                                                                                | 2,715     | 2,715      | 7,909      | 7,909      | 13,036     | 10,426     | 6,810     |
| Expected Daily Flowing Supplies                                                                                        | 162,749   | 181,265    | 261,808    | 328,568    | 370,190    | 234,445    | 176,823   |
| % of planned normal met with storage (includes fuel)                                                                   | 35.0%     | 27.6%      | 35.8%      | 19.5%      | 19.7%      | 43.1%      | 36.7%     |
| % of planned normal met with flowing supplies (includes fuel)                                                          | 65.0%     | 72.4%      | 64.2%      | 80.5%      | 80.3%      | 56.9%      | 63.3%     |
| Check if planned daily flowing covers warm weather requirements (used Company numbers for low-case)                    | 186,265   |            | 341,694    |            | 325,080    | 314,998    | 220,824   |

storage would need to be adjusted prior to making nominations based on expected end-of-month inventory for previous month

This is the warm weather requirement less 150,000 for ISS in Nov

This is the warm weather requirement less any excess storage w/d not pulled in Nov

Did not adjust for Feb & Mar - not as much of an issue in Feb and Mar since most of winter has past and have better handle on storage volumes available to meet requirements for the rest of the winter

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Table 3-3: Effect of revised daily flowing supplies on expected end-of-month (EOM) storage inventory

| Information Known As Of:                                                                         | 11/22/00   | 12/21/00   | 01/24/01    | 02/21/01    |
|--------------------------------------------------------------------------------------------------|------------|------------|-------------|-------------|
| EOM Storage Analysis Report:                                                                     | Nov-00     | Dec-00     | Jan-01      | Feb-01      |
| Forecasted demand and storage inj & w/d entered for actual HDD through:                          | 11/21/00   | 12/20/00   | 01/23/01    | 02/20/01    |
| Actual HDD through this date                                                                     | 838        | 1,368      | 1,076       | 956         |
| Forecasted HDD for remainder of month                                                            | 248        | 553        | 254         | 231         |
| Known & expected HDD for month                                                                   | 1,084      | 1,921      | 1,330       | 1,187       |
| Expected monthly HDD as % of normal HDD (calculated this - not in report)                        | 165.0%     | 179.0%     | 109.2%      | 125.5%      |
| Revised Expected EOM Storage Balances:                                                           |            |            |             |             |
| EOM Storage Balances from above                                                                  | 13,339,839 | 5,745,612  | 5,341,774   | 2,848,859   |
| Plus additional inv from prior month(s)                                                          | 2,209,290  | 2,209,290  | 3,415,748   | 2,329,167   |
| Plus additional demand that would have been covered with flowing supplies instead of storage w/d |            | 1,206,458  | (1,086,581) | (1,972,544) |
|                                                                                                  | 15,549,129 | 9,161,360  | 7,670,941   | 3,205,482   |
| Storage inv expected for normal weather                                                          | 15,142,225 | 11,019,530 | 6,339,710   | 2,704,873   |
| Excess from storage for colder weather                                                           | (406,904)  | 1,858,170  | (1,331,231) | (500,509)   |
| So need to recover any excess w/d in next month (per day) or can w/d any additional storage      | (13,126)   | 59,941     | (47,544)    | (16,145)    |

Table 3-4: Effect of revised daily flowing supplies on actual end-of-month storage inventory

|                                                                                                  | Nov-00     | Dec-00    | Jan-01      | Feb-01      | Mar-01    | Total      |          |
|--------------------------------------------------------------------------------------------------|------------|-----------|-------------|-------------|-----------|------------|----------|
| Actual EOM Storage Balances                                                                      | 12,093,008 | 5,365,298 | 5,194,775   | 2,726,825   | 910,533   | 16,856,032 | Actual   |
| Plus additional inv from prior month(s)                                                          | 2,209,290  | 2,209,290 | 3,415,748   | 2,329,167   | 356,623   |            |          |
| Plus additional demand that would have been covered with flowing supplies instead of storage w/d |            | 1,206,458 | (1,086,581) | (1,972,544) | (380,773) |            |          |
|                                                                                                  | 14,302,298 | 8,781,046 | 7,523,942   | 3,083,448   | 886,383   |            |          |
| Actual Expected Net Withdrawals                                                                  | 3,464,267  | 5,521,252 | 1,257,104   | 4,440,494   | 2,197,065 | 16,880,182 | Expected |

Table 3-5: Comparison of Company and Staff FOM planned flowing supplies and storage withdrawals

|        | Normal Daily Avg Demand + Fuel | Company Planned Demand to be met with: |                                              |                   |                                     | Staff revision: Expected storage withdrawal and flowing supplies for Company planned normals: |                                              |                   |                                     |
|--------|--------------------------------|----------------------------------------|----------------------------------------------|-------------------|-------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------|-------------------|-------------------------------------|
|        |                                | Daily Flowing Supplies                 | Flowing Supplies as % of Daily Avg for Month | Daily Storage w/d | Storage as % of Daily Avg for Month | Daily Flowing Supplies                                                                        | Flowing Supplies as % of Daily Avg for Month | Daily Storage w/d | Storage as % of Daily Avg for Month |
| Nov-00 | 250,227                        | 107,622                                | 43.0%                                        | 142,605           | 57.0%                               | 181,265                                                                                       | 72.4%                                        | 68,962            | 27.6%                               |
| Dec-00 | 407,924                        | 289,650                                | 71.0%                                        | 98,274            | 24.1%                               | 328,568                                                                                       | 80.5%                                        | 79,356            | 19.5%                               |
| Jan-01 | 481,211                        | 405,241                                | 87.9%                                        | 55,970            | 12.1%                               | 370,190                                                                                       | 80.3%                                        | 91,021            | 19.7%                               |
| Feb-01 | 411,801                        | 304,893                                | 74.0%                                        | 86,908            | 21.1%                               | 234,445                                                                                       | 56.9%                                        | 177,356           | 43.1%                               |
| Mar-01 | 279,341                        | 189,106                                | 67.7%                                        | 85,235            | 23.4%                               | 176,823                                                                                       | 63.3%                                        | 102,518           | 36.7%                               |

From  
DR-28  
DR-21 ?

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any states that wants to allow 500,000 so that if November is warmer than normal, still have room to inject; Company also stated in Dr. since storage was fuller than anticipated moved 500,000 to an ISS contract to allow for November injections

<sup>2</sup> Storage w/d planned for Nov-00 would include planned 4,000,000 TSS + 150,000 ISS (or 138,333/day) plus the PEPL/WS w/d (128,160 planned for November compared to 150,166 noted as normal w/d in the DR28 response)

<sup>3</sup> Report for numbers in previous column shows Oct 31 balance as 15,093,505 which would not include the ISS balance of 500,000 so TSS is adjusted to account for the ISS

<sup>4</sup> The forecasted HDD for the remainder of Dec is only through 12/30/00; so the HDD and the storage balances are adjusted to include 12/31/00 - based on Company rationale. Additional demand for 39 HDD is 433,822 (taken from 12/2 which had 39 HDD).

|                               |           |                                                     |
|-------------------------------|-----------|-----------------------------------------------------|
| So if 12/31 demand is:        | 433,822   |                                                     |
| These are taken from the      | (51,219)  | KN 107th & Elm                                      |
| Storage Analysis Report and   | (9,997)   | Served KPOC                                         |
| are the same each day for the | (25,835)  | Served PEPL (this looks like it includes WS and Dec |
| forecasted dates of 12/21 -   |           | plan is 6,339/day from WS)                          |
| 12/30                         | (230,982) | WNG Flowing                                         |
|                               | 115,789   | needed from TSS                                     |

<sup>5</sup> Company states that storage reports available from Williams about the 13th of the month for the prior month. So Company knew actual prior months EOM balance when nominations made for following month.

<sup>6</sup> Recall that November storage withdrawals allow for 5,000 per day from ISS

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Schedule B

| Month of purchase | Month Hedged |        |        |        |        |
|-------------------|--------------|--------|--------|--------|--------|
|                   | Nov-00       | Dec-00 | Jan-01 | Feb-01 | Mar-01 |
| Jun-00            | 4.312        | 4.388  | 4.378  | 4.138  | 3.598  |
| Jul-00            | 4.048        | 4.138  | 4.129  | 3.942  | 3.758  |
| Aug-00            | 4.620        | 4.591  | 4.557  | 4.308  | 4.083  |
| Sep-00            | 6.240        | 6.340  | 6.298  | 5.028  | 4.752  |
| Oct-00            | 6.139        | 6.177  | 6.166  | 4.058  | 4.724  |
| Average           | 4.652        | 4.728  | 4.705  | 4.476  | 4.239  |

Source: Nymex closing prices simple average by month  
Date: March 22, 2002

| June   | 8/1/00 | 8/2/00 | 8/5/00 | 8/6/00 | 8/7/00 | 8/8/00 | 8/9/00 | 8/12/00 | 8/13/00 | 8/14/00 | 8/15/00 | 8/16/00 | 8/19/00 | 8/20/00 | 8/21/00 | 8/22/00 | 8/23/00 | 8/26/00 | 8/27/00 | 8/28/00 | 8/29/00 | 8/30/00 | Avg   |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| Nov-00 | 4.150  | 4.092  | 4.383  | 4.286  | 3.983  | 4.140  | 4.155  | 4.215   | 4.188   | 4.250   | 4.404   | 4.455   | 4.155   | 4.188   | 4.413   | 4.543   | 4.448   | 4.525   | 4.600   | 4.415   | 4.423   | 4.488   | 4.312 |
| Dec-00 | 4.250  | 4.187  | 4.465  | 4.358  | 4.070  | 4.215  | 4.220  | 4.280   | 4.240   | 4.320   | 4.470   | 4.530   | 4.230   | 4.285   | 4.500   | 4.620   | 4.521   | 4.585   | 4.665   | 4.465   | 4.493   | 4.538   | 4.388 |
| Jan-01 | 4.260  | 4.192  | 4.485  | 4.350  | 4.070  | 4.205  | 4.210  | 4.288   | 4.232   | 4.309   | 4.454   | 4.513   | 4.213   | 4.275   | 4.486   | 4.600   | 4.503   | 4.575   | 4.640   | 4.465   | 4.471   | 4.518   | 4.378 |
| Feb-01 | 4.055  | 3.990  | 4.245  | 4.135  | 3.860  | 3.960  | 3.984  | 4.049   | 4.015   | 4.082   | 4.218   | 4.271   | 3.971   | 4.040   | 4.238   | 4.342   | 4.243   | 4.297   | 4.380   | 4.195   | 4.200   | 4.240   | 4.138 |
| Mar-01 | 3.845  | 3.785  | 4.020  | 3.920  | 3.652  | 3.773  | 3.776  | 3.830   | 3.798   | 3.856   | 3.976   | 4.021   | 3.730   | 3.810   | 3.860   | 4.078   | 3.983   | 4.018   | 4.080   | 3.825   | 3.830   | 3.965   | 3.898 |

| July   | 7/5/00 | 7/6/00 | 7/7/00 | 7/10/00 | 7/11/00 | 7/12/00 | 7/13/00 | 7/14/00 | 7/17/00 | 7/18/00 | 7/19/00 | 7/20/00 | 7/21/00 | 7/24/00 | 7/25/00 | 7/26/00 | 7/27/00 | 7/28/00 | 7/31/00 | Avg   |
|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| Nov-00 | 4.188  | 4.100  | 4.302  | 4.290   | 4.308   | 4.101   | 4.218   | 4.205   | 4.084   | 4.085   | 3.855   | 3.932   | 3.907   | 3.810   | 3.760   | 3.890   | 3.951   | 3.958   | 3.908   | 4.048 |
| Dec-00 | 4.238  | 4.185  | 4.390  | 4.385   | 4.400   | 4.195   | 4.305   | 4.295   | 4.150   | 4.165   | 4.043   | 4.015   | 3.987   | 3.892   | 3.843   | 3.975   | 4.050   | 4.061   | 4.020   | 4.138 |
| Jan-01 | 4.216  | 4.180  | 4.380  | 4.380   | 4.395   | 4.191   | 4.295   | 4.280   | 4.138   | 4.150   | 4.034   | 4.006   | 3.978   | 3.890   | 3.841   | 3.970   | 4.048   | 4.080   | 4.019   | 4.129 |
| Feb-01 | 3.85   | 3.845  | 4.143  | 4.150   | 4.175   | 3.881   | 4.080   | 4.080   | 3.983   | 3.975   | 3.888   | 3.842   | 3.819   | 3.735   | 3.688   | 3.810   | 3.888   | 3.905   | 3.868   | 3.942 |
| Mar-01 | 3.7    | 3.705  | 3.905  | 3.920   | 3.955   | 3.788   | 3.895   | 3.900   | 3.788   | 3.802   | 3.702   | 3.692   | 3.659   | 3.585   | 3.553   | 3.660   | 3.738   | 3.753   | 3.719   | 3.758 |

| August | 8/1/00 | 8/2/00 | 8/3/00 | 8/4/00 | 8/7/00 | 8/8/00 | 8/9/00 | 8/10/00 | 8/11/00 | 8/14/00 | 8/15/00 | 8/16/00 | 8/17/00 | 8/18/00 | 8/21/00 | 8/22/00 | 8/23/00 | 8/24/00 | 8/25/00 | 8/28/00 | 8/29/00 | 8/30/00 | 8/31/00 |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Nov-00 | 4.080  | 4.297  | 4.342  | 4.360  | 4.350  | 4.437  | 4.456  | 4.488   | 4.485   | 4.371   | 4.289   | 4.474   | 4.481   | 4.530   | 4.800   | 4.590   | 4.652   | 4.802   | 4.683   | 4.738   | 4.697   | 4.850   | 4.840   |
| Dec-00 | 4.180  | 4.395  | 4.442  | 4.440  | 4.450  | 4.483  | 4.605  | 4.538   | 4.550   | 4.445   | 4.373   | 4.535   | 4.575   | 4.618   | 4.852   | 4.685   | 4.720   | 4.870   | 4.750   | 4.800   | 4.770   | 4.920   | 4.910   |
| Jan-01 | 4.175  | 4.385  | 4.432  | 4.425  | 4.425  | 4.460  | 4.477  | 4.510   | 4.522   | 4.422   | 4.363   | 4.505   | 4.540   | 4.579   | 4.810   | 4.625   | 4.687   | 4.820   | 4.698   | 4.744   | 4.720   | 4.881   | 4.850   |
| Feb-01 | 4.005  | 4.190  | 4.227  | 4.205  | 4.180  | 4.240  | 4.212  | 4.245   | 4.259   | 4.177   | 4.120   | 4.249   | 4.284   | 4.324   | 4.540   | 4.388   | 4.399   | 4.352   | 4.432   | 4.480   | 4.465   | 4.590   | 4.580   |
| Mar-01 | 3.840  | 3.995  | 4.022  | 3.990  | 3.938  | 3.948  | 3.956  | 3.966   | 4.001   | 3.942   | 3.893   | 4.000   | 4.035   | 4.074   | 4.287   | 4.110   | 4.133   | 4.089   | 4.182   | 4.213   | 4.205   | 4.323   | 4.315   |

| September | 9/1/00 | 9/5/00 | 9/6/00 | 9/7/00 | 9/8/00 | 9/11/00 | 9/12/00 | 9/13/00 | 9/14/00 | 9/15/00 | 9/18/00 | 9/19/00 | 9/20/00 | 9/21/00 | 9/22/00 | 9/25/00 | 9/26/00 | 9/27/00 | 9/28/00 | 9/29/00 | Avg   |
|-----------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| Nov-00    | 4.805  | 5.030  | 5.157  | 5.100  | 4.999  | 5.135   | 5.105   | 5.157   | 5.312   | 5.300   | 5.394   | 5.477   | 5.433   | 5.402   | 5.288   | 5.412   | 5.450   | 5.447   | 5.124   | 5.188   | 5.240 |
| Dec-00    | 4.975  | 5.104  | 5.233  | 5.187  | 5.100  | 5.235   | 5.209   | 5.280   | 5.412   | 5.400   | 5.495   | 5.585   | 5.548   | 5.517   | 5.383   | 5.525   | 5.585   | 5.582   | 5.231   | 5.281   | 5.340 |
| Jan-01    | 4.815  | 5.043  | 5.172  | 5.140  | 5.070  | 5.203   | 5.178   | 5.225   | 5.387   | 5.355   | 5.445   | 5.525   | 5.495   | 5.470   | 5.360   | 5.485   | 5.525   | 5.522   | 5.222   | 5.256   | 5.298 |
| Feb-01    | 4.840  | 4.783  | 4.884  | 4.865  | 4.815  | 4.938   | 4.913   | 4.965   | 5.048   | 5.075   | 5.152   | 5.228   | 5.210   | 5.203   | 5.100   | 5.225   | 5.260   | 5.257   | 4.971   | 5.026   | 5.028 |
| Mar-01    | 4.365  | 4.483  | 4.597  | 4.580  | 4.540  | 4.681   | 4.638   | 4.678   | 4.799   | 4.785   | 4.856   | 4.930   | 4.923   | 4.923   | 4.840   | 4.980   | 4.990   | 4.988   | 4.727   | 4.778   | 4.752 |

| October | 10/2/00 | 10/3/00 | 10/4/00 | 10/5/00 | 10/6/00 | 10/9/00 | 10/10/00 | 10/11/00 | 10/12/00 | 10/13/00 | 10/16/00 | 10/17/00 | 10/18/00 | 10/19/00 | 10/20/00 | 10/23/00 | 10/24/00 | 10/25/00 | 10/26/00 | 10/27/00 | 10/30/00 | 10/31/00 | Avg   |
|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
| Nov-00  | 5.352   | 5.348   | 5.290   | 5.152   | 5.008   | 5.150   | 5.134    | 5.508    | 5.530    | 5.537    | 5.394    | 5.439    | 5.228    | 4.951    | 4.937    | 5.072    | 4.820    | 4.659    | 4.684    | 4.641    |          |          | 5.139 |
| Dec-00  | 5.435   | 5.438   | 5.383   | 5.248   | 5.113   | 5.250   | 5.238    | 5.589    | 5.728    | 5.649    | 5.492    | 5.653    | 5.348    | 5.071    | 5.055    | 5.193    | 4.940    | 4.771    | 4.733    | 4.852    | 4.485    | 4.480    | 5.177 |
| Jan-01  | 5.460   | 5.388   | 5.348   | 5.215   | 5.068   | 5.217   | 5.211    | 5.611    | 5.693    | 5.624    | 5.475    | 5.636    | 5.344    | 5.081    | 5.082    | 5.200    | 4.980    | 4.795    | 4.777    | 4.677    | 4.520    | 4.531    | 5.188 |
| Feb-01  | 5.160   | 5.168   | 5.118   | 5.000   | 4.881   | 5.007   | 5.001    | 5.301    | 5.442    | 5.377    | 5.242    | 5.295    | 5.121    | 4.891    | 4.875    | 5.000    | 4.780    | 4.812    | 4.697    | 4.497    | 4.382    | 4.381    | 4.869 |
| Mar-01  | 4.008   | 4.903   | 4.864   | 4.785   | 4.668   | 4.768   | 4.764    | 5.058    | 5.180    | 5.122    | 4.891    | 5.040    | 4.877    | 4.658    | 4.648    | 4.757    | 4.555    | 4.400    | 4.382    | 4.287    | 4.157    | 4.101    | 4.724 |

Missouri Gas Energy Company  
Case No. GR-2001-382

Highly Confidential

|            |                            | Williams      |              |                           |                           | Panhandle |                                |             |
|------------|----------------------------|---------------|--------------|---------------------------|---------------------------|-----------|--------------------------------|-------------|
| Month      |                            | SA-0014 (TSS) | SA-0072 (FS) | TA-8249 effective 8/15/01 | SA-8250 effective 8/15/01 | WS-012626 | IOS #15097/ FS #017073 (10/00) | Total       |
| July, 2000 | Beg Bal                    | 8,029,102     | 485,293      |                           |                           | 419,098   | 179,143                        | 9,112,636   |
|            | Injections                 | 2,997,192     | 168,488      |                           |                           | 125,178   | -                              | 3,288,836   |
|            | Withdrawals                | -             | -            |                           |                           | -         | -                              | -           |
|            | Ending Bal                 | 11,026,294    | 651,759      |                           |                           | 544,276   | 179,143                        | 12,401,472  |
|            | MSQ                        | 15,355,923    | 1,122,000    |                           |                           | 914,000   | 357,700                        | 17,749,623  |
|            | Balance as % of MSC        | 71.8%         | 58.1%        |                           |                           | 59.5%     | 50.1%                          | 69.9%       |
| Aug, 2000  | Beg Bal                    | 11,026,294    | 651,759      |                           |                           | 544,276   | 179,143                        | 12,401,472  |
|            | Injections                 | 1,903,998     | 166,470      |                           |                           | 125,178   | -                              | 2,195,646   |
|            | Withdrawals                | -             | -            |                           |                           | -         | -                              | -           |
|            | Ending Bal                 | 12,930,292    | 818,229      |                           |                           | 669,454   | 179,143                        | 14,597,118  |
|            | MSQ                        | 15,355,923    | 1,122,000    |                           |                           | 914,000   | 357,700                        | 17,749,623  |
|            | Balance as % of MSC        | 84.2%         | 72.9%        |                           |                           | 73.2%     | 50.1%                          | 82.2%       |
| Sep, 2000  | Beg Bal                    | 12,930,292    | 818,229      |                           |                           | 669,454   | 179,143                        | 14,597,118  |
|            | Injections                 | 1,192,616     | 157,140      |                           |                           | 94,834    | -                              | 1,444,390   |
|            | Transfer In                | -             | -            |                           |                           | 14,000    | -                              | 14,000      |
|            | Withdrawals                | -             | -            |                           |                           | -         | -                              | -           |
|            | Transfer Out               | -             | -            |                           |                           | -         | (14,000)                       | (14,000)    |
|            | Ending Bal                 | 14,122,908    | 975,369      |                           |                           | 778,088   | 165,143                        | 16,041,508  |
|            | MSQ                        | 15,355,923    | 1,122,000    |                           |                           | 914,000   | 357,700                        | 17,749,623  |
|            | Balance as % of MSC        | 92.0%         | 86.9%        |                           |                           | 85.1%     | 46.2%                          | 90.4%       |
| Oct, 2000  | Beg Bal                    | 14,122,908    | 975,369      |                           |                           | 778,088   | 165,143                        | 16,041,508  |
|            | Injections                 | 1,470,597     | 148,583      |                           |                           | -         | 108,006                        | 1,725,188   |
|            | Transfer In                | -             | -            |                           |                           | -         | 777,959                        | 777,959     |
|            | Withdrawals                | -             | -            |                           |                           | -         | -                              | -           |
|            | ISS                        | 500,000       | -            |                           |                           | -         | -                              | 500,000     |
|            | Transfer Out               | (500,000)     | -            |                           |                           | (778,088) | -                              | (1,278,088) |
|            | Ending Bal                 | 15,593,505    | 1,121,952    |                           |                           | -         | 1,051,108                      | 17,766,565  |
|            | MSQ                        | 15,173,829    | 1,122,000    |                           |                           | -         | 1,471,800                      | 17,767,629  |
|            | Balance as % of MSC        | 102.8%        | 100.0%       |                           |                           | -         | 71.4%                          | 100.0%      |
|            | MDWQ                       | 459,813       | 34,000       |                           |                           | -         | 20,000                         | 513,813     |
|            | Days of max deliverability | 33.9          | 33.0         |                           |                           | -         | 52.8                           | 34.6        |
| Nov, 2000  | Beg Bal                    | 15,593,505    | 1,121,952    |                           |                           | -         | 1,051,108                      | 17,766,565  |
|            | Injections                 | -             | -            |                           |                           | -         | -                              | -           |
|            | Withdrawals                | (5,627,352)   | -            |                           |                           | -         | (46,205)                       | (5,673,557) |
|            | Ending Bal                 | 9,966,153     | 1,121,952    |                           |                           | -         | 1,004,903                      | 12,093,008  |
|            | MSQ                        | 15,173,829    | 1,122,000    |                           |                           | -         | 1,471,800                      | 17,767,629  |
|            | Balance as % of MSC        | 65.7%         | 100.0%       |                           |                           | -         | 68.3%                          | 68.1%       |
|            | MDWQ                       | 459,813       | 34,000       |                           |                           | -         | 20,000                         | 513,813     |
|            | Days of max deliverability | 21.7          | 33.0         |                           |                           | -         | 50.2                           | 23.5        |
| Dec, 2000  | Beg Bal                    | 9,966,153     | 1,121,952    |                           |                           | -         | 1,004,903                      | 12,093,008  |
|            | Injections                 | -             | -            |                           |                           | -         | -                              | -           |
|            | Withdrawals                | (6,218,170)   | (80,175)     |                           |                           | -         | (429,365)                      | (6,727,710) |
|            | Ending Bal                 | 3,747,983     | 1,041,777    |                           |                           | -         | 575,538                        | 5,365,298   |
|            | MSQ                        | 15,173,829    | 1,122,000    |                           |                           | -         | 1,471,800                      | 17,767,629  |
|            | Balance as % of MSC        | 24.7%         | 92.9%        |                           |                           | -         | 39.1%                          | 30.2%       |
|            | MDWQ                       | 459,813       | 34,000       |                           |                           | -         | 20,000                         | 513,813     |
|            | Days of max deliverability | 8.2           | 30.6         |                           |                           | -         | 28.8                           | 10.4        |
| Jan, 2001  | Beg Bal                    | 3,747,983     | 1,041,777    |                           |                           | -         | 575,538                        | 5,365,298   |
|            | Injections                 | 36,838        | -            |                           |                           | -         | -                              | 36,838      |
|            | Withdrawals                | -             | -            |                           |                           | -         | (207,359)                      | (207,359)   |
|            | Ending Bal                 | 3,784,819     | 1,041,777    |                           |                           | -         | 368,179                        | 5,194,775   |
|            | MSQ                        | 15,173,829    | 1,122,000    |                           |                           | -         | 1,471,800                      | 17,767,629  |
|            | Balance as % of MSC        | 24.8%         | 92.9%        |                           |                           | -         | 25.0%                          | 29.2%       |
|            | MDWQ                       | 459,813       | 34,000       |                           |                           | -         | 20,000                         | 513,813     |
|            | Days of max deliverability | 8.2           | 30.6         |                           |                           | -         | 18.4                           | 10.1        |

DR62 shows for Oct-00,  
500,000 moved to ISS-  
Market Area, SA-0092

MTL-13

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Missouri Gas Energy Company  
Case No. GR-2001-382

Highly Confidential

| Month      |                            | Williams      |              |                           |                           | Panhandle |                                | Total       |
|------------|----------------------------|---------------|--------------|---------------------------|---------------------------|-----------|--------------------------------|-------------|
|            |                            | SA-0014 (TSS) | SA-0072 (FS) | TA-8249 effective 6/15/01 | SA-8250 effective 6/15/01 | WS-012626 | IOS #15097/ FS #017073 (10/00) |             |
| Feb. 2001  | Beg Bal                    | 3,784,819     | 1,041,777    |                           |                           | -         | 368,179                        | 5,194,775   |
|            | Injections                 | -             | -            |                           |                           | -         | -                              | -           |
|            | Transfer In                | 1,000,000     | -            |                           |                           | -         | -                              | 1,000,000   |
|            | Withdrawals                | (2,289,208)   | -            |                           |                           | -         | (198,744)                      | (2,487,950) |
|            | Transfer Out               | -             | (1,000,000)  |                           |                           | -         | -                              | (1,000,000) |
|            | Ending Bal                 | 2,515,613     | 41,777       |                           |                           | -         | 169,435                        | 2,726,825   |
|            | MSQ                        | 15,173,829    | 1,122,000    |                           |                           | -         | 1,471,800                      | 17,767,629  |
|            | Balance as % of MSC        | 16.6%         | 3.7%         |                           |                           | -         | 11.5%                          | 15.3%       |
|            | MDWQ                       | 459,813       | 34,000       |                           |                           | -         | 20,000                         | 513,813     |
|            | Days of max deliverability | 5.5           | 1.2          |                           |                           | -         | 8.5                            | 5.3         |
| Mar. 2001  | Beg Bal                    | 2,515,613     | 41,777       |                           |                           | -         | 169,435                        | 2,726,825   |
|            | Injections                 | -             | -            |                           |                           | -         | -                              | -           |
|            | Transfer In                | 41,777        | -            |                           |                           | -         | -                              | 41,777      |
|            | Withdrawals                | (1,586,881)   | -            |                           |                           | -         | (128,811)                      | (1,816,292) |
|            | Transfer Out               | -             | (41,777)     |                           |                           | -         | -                              | (41,777)    |
|            | Ending Bal                 | 870,709       | -            |                           |                           | -         | 39,824                         | 910,533     |
|            | MSQ                        | 15,173,829    | 1,122,000    |                           |                           | -         | 1,471,800                      | 17,767,629  |
|            | Balance as % of MSC        | 5.7%          | 0.0%         |                           |                           | -         | 2.7%                           | 5.1%        |
|            | MDWQ                       | 459,813       | 34,000       |                           |                           | -         | 20,000                         | 513,813     |
|            | Days of max deliverability | 1.9           | -            |                           |                           | -         | 2.0                            | 1.8         |
| Apr. 2001  | Beg Bal                    | 870,709       | -            |                           |                           | -         | 39,824                         | 910,533     |
|            | Injections                 | 3,738,055     | 160,495      |                           |                           | -         | 199,320                        | 4,097,870   |
|            | Transfer In                | -             | 600,000      |                           |                           | -         | -                              | 600,000     |
|            | Withdrawals                | -             | -            |                           |                           | -         | -                              | -           |
|            | Transfer Out               | (800,000)     | -            |                           |                           | -         | -                              | (800,000)   |
|            | Ending Bal                 | 4,008,764     | 760,495      |                           |                           | -         | 239,144                        | 5,008,403   |
|            | MSQ                        | 15,173,829    | 1,122,000    |                           |                           | -         | 1,471,800                      | 17,767,629  |
|            | Balance as % of MSC        | 26.4%         | 67.8%        |                           |                           | -         | 16.2%                          | 28.2%       |
| May, 2001  | Beg Bal                    | 4,008,764     | 760,495      |                           |                           | -         | 239,144                        | 5,008,403   |
|            | Injections                 | 3,504,602     | -            |                           |                           | -         | 205,964                        | 3,710,566   |
|            | Transfer In                | 472,443       | -            |                           |                           | -         | -                              | 472,443     |
|            | Withdrawals                | -             | -            |                           |                           | -         | -                              | -           |
|            | Transfer Out               | -             | (472,443)    |                           |                           | -         | -                              | (472,443)   |
|            | Ending Bal                 | 7,985,809     | 288,052      |                           |                           | -         | 445,108                        | 8,718,969   |
|            | MSQ                        | 15,173,829    | 1,122,000    |                           |                           | -         | 1,471,800                      | 17,767,629  |
|            | Balance as % of MSC        | 52.8%         | 25.7%        |                           |                           | -         | 30.2%                          | 48.1%       |
| June, 2001 | Beg Bal                    | 7,985,809     | 288,052      |                           |                           | -         | 445,108                        | 8,718,969   |
|            | Injections                 | -             | -            | 2,213,757                 | -                         | -         | 199,320                        | 2,413,077   |
|            | Transfer In                | -             | -            | 9,064,291                 | -                         | -         | -                              | 9,064,291   |
|            | Withdrawals                | -             | -            | -                         | -                         | -         | -                              | -           |
|            | Transfer Out               | (7,985,809)   | -            | -                         | -                         | -         | -                              | (7,985,809) |
|            | Ending Bal                 | -             | 288,052      | 11,278,048                | -                         | -         | 644,428                        | 12,210,528  |
|            | MSQ                        | -             | 1,122,000    | 16,007,772                | 288,057                   | -         | 1,471,800                      | 17,767,629  |
|            | Balance as % of MSC        | -             | 25.7%        | 70.5%                     | -                         | -         | 43.8%                          | 68.7%       |

Normal Information - Summarized

| Reliability Report     | Data From |                        |                            |                    |                          |                      |                     |            | BaseLoad - Heatload Calc. | DR21 Response (Original Plan) |                  |                |                           |                     |
|------------------------|-----------|------------------------|----------------------------|--------------------|--------------------------|----------------------|---------------------|------------|---------------------------|-------------------------------|------------------|----------------|---------------------------|---------------------|
| Monthly Usage Estimate | HDD       | Monthly Usage Estimate | Daily Storage w/d Estimate | No. Of Days/ Month | Monthly Storage Estimate | % of Estimated Usage | Storage as % of MSQ | Normal HDD | Monthly Usage Estimate    | Williams SA-0014              | Williams SA-0072 | PEPL FS-017073 | Total Monthly Storage w/d | Storage as % of MSQ |
| 7,400,361              | 657       | 7,425,361              | 142,605                    | 30                 | 4,278,150                | 57.6%                | 24.1%               | 657        | 8,301,101                 | 4,000,000                     | 0                | 150,168        | 4,150,168                 | 23.4%               |
| 12,375,465             | 1,073     | 12,400,465             | 98,274                     | 31                 | 3,046,494                | 24.6%                | 17.1%               | 1,073      | 12,700,529                | 2,849,985                     | 374,000          | 230,255        | 3,454,240                 | 19.4%               |
| 13,868,421             | 1,218     | 13,893,421             | 65,970                     | 31                 | 1,735,070                | 12.5%                | 9.8%                | 1,218      | 14,217,391                | 2,849,985                     | 374,000          | 240,268        | 3,464,251                 | 19.5%               |
| 11,213,497             | 946       | 11,238,497             | 86,908                     | 28                 | 2,433,424                | 21.7%                | 13.7%               | 946        | 11,229,153                | 2,558,612                     | 374,000          | 230,255        | 3,162,867                 | 17.8%               |
| 8,423,472              | 691       | 8,448,472              | 65,235                     | 31                 | 2,022,285                | 23.9%                | 11.4%               | 691        | 8,704,384                 | 2,097,341                     | 0                | 150,168        | 2,247,507                 | 12.6%               |
| 53,281,216             | 4,585     | 53,406,216             |                            |                    | 13,515,423               | 25.3%                | 76.1%               | 4,585      | 55,152,558                | 14,355,923                    | 1,122,000        | 1,001,108      | 16,479,031                | 92.7%               |
| om Reliability Report: |           | 0.2%                   |                            |                    |                          |                      |                     |            | 3.6%                      |                               |                  |                |                           |                     |

DR28 response seems to be most consistent with other responses provided by the Company - e.g. allow 500,000 from MSQ so can inject in November and withdraw in March; and planned larger amount of w/ds in November (The DR21 response shows total w/d as much less than the planned withdrawals of up to 500,000 of MSQ)  
e the DR28 response for normal storage withdrawals:

| Normal Monthly Storage w/d | EOM Balance Expected for Normal w/d (given expected inventory levels) <sup>1</sup> |
|----------------------------|------------------------------------------------------------------------------------|
| 4,150,168                  | 13,117,463                                                                         |
| 3,454,240                  | 9,663,223                                                                          |
| 3,464,251                  | 6,198,972                                                                          |
| 3,162,867                  | 3,038,105                                                                          |
| 2,247,507                  | 788,598                                                                            |
| 16,479,031                 |                                                                                    |

| Storage withdrawals expected based on distribution of normal HDD |            |                |                |
|------------------------------------------------------------------|------------|----------------|----------------|
|                                                                  | Normal HDD | Monthly Distr. | Storage Distr. |
| Nov-00                                                           | 657        | 14.3%          | 2,474,336      |
| Dec-00                                                           | 1,073      | 23.4%          | 4,041,039      |
| Jan-01                                                           | 1,218      | 26.6%          | 4,587,126      |
| Feb-01                                                           | 946        | 20.6%          | 3,562,743      |
| Mar-01                                                           | 691        | 15.1%          | 2,602,384      |
| Total                                                            | 4,585      | 100.0%         | 17,267,629     |

<sup>1</sup> EOM balance for Nov-00 is calculated from combined MSQ of storage contracts, less 500,000 allowed by Company for injections in Nov if weather is warmer than normal, less normal Nov storage w/d (DR28)

| Actual Storage Withdrawals |            |
|----------------------------|------------|
| Nov-00                     | 5,673,657  |
| Dec-00                     | 6,727,710  |
| Jan-01                     | 207,359    |
| Feb-01                     | 2,467,850  |
| Mar-01                     | 1,816,292  |
| Total                      | 16,892,668 |

| Normal Estimated Usage Using Company Numbers (from 2000/2001) |            |            |
|---------------------------------------------------------------|------------|------------|
| Month                                                         | Usage      | x 30%      |
| November                                                      | 7,400,361  | 2,220,108  |
| December                                                      | 12,375,465 | 3,712,640  |
| January                                                       | 13,868,421 | 4,160,526  |
| February                                                      | 11,213,497 | 3,364,049  |
| March                                                         | 8,423,472  | 2,527,042  |
| Total                                                         | 53,281,216 | 15,984,385 |

Total MSQ - all storage contracts 17,767,829

Monthly Demand - calculated using Company's baseload and heatload numbers in  
000/2001 Reliability Report

The Company estimates the peak day as (baseload + (heatload/HDD \* adjusted peak  
IDD) = 47,605 + (10,481.1129\*85)).

| Month    | Normal HDD | Days | Base Load | Heat Load  | Total      |
|----------|------------|------|-----------|------------|------------|
| November | 657        | 30   | 1,428,150 | 6,872,951  | 8,301,101  |
| December | 1,073      | 31   | 1,475,755 | 11,224,774 | 12,700,529 |
| January  | 1,218      | 31   | 1,475,755 | 12,741,636 | 14,217,391 |
| February | 946        | 28   | 1,332,940 | 9,898,213  | 11,229,153 |
| March    | 691        | 31   | 1,475,755 | 7,228,629  | 8,704,384  |
| Total    | 4,585      | 151  | 7,188,355 | 47,964,203 | 55,152,558 |

| Month              | Actual HDD | Days   | Base Load | Heat Load  | Total      |
|--------------------|------------|--------|-----------|------------|------------|
| November           | 853        | 30     | 1,428,150 | 8,923,329  | 10,351,479 |
| December           | 1,425      | 31     | 1,475,755 | 14,807,086 | 16,382,841 |
| January            | 1,111      | 31     | 1,475,755 | 11,622,296 | 13,098,051 |
| February           | 982        | 28     | 1,332,940 | 10,272,813 | 11,605,753 |
| March              | 777        | 31     | 1,475,755 | 8,128,285  | 9,604,040  |
| Total              | 5,148      | 151    | 7,188,355 | 53,853,809 | 61,042,164 |
| % Diff from Normal | 12.3%      | 0.0%   | 0.0%      | 12.3%      | 10.7%      |
| % of Normal        | 112.3%     | 100.0% | 100.0%    | 112.3%     | 110.7%     |

| Month    | Normal HDD | Actual HDD | % of Normal |
|----------|------------|------------|-------------|
| November | 657        | 853        | 129.8%      |
| December | 1,073      | 1,425      | 132.8%      |
| January  | 1,218      | 1,111      | 91.2%       |
| February | 946        | 982        | 103.8%      |
| March    | 691        | 777        | 112.4%      |
| Total    | 4,585      | 5,148      | 112.3%      |

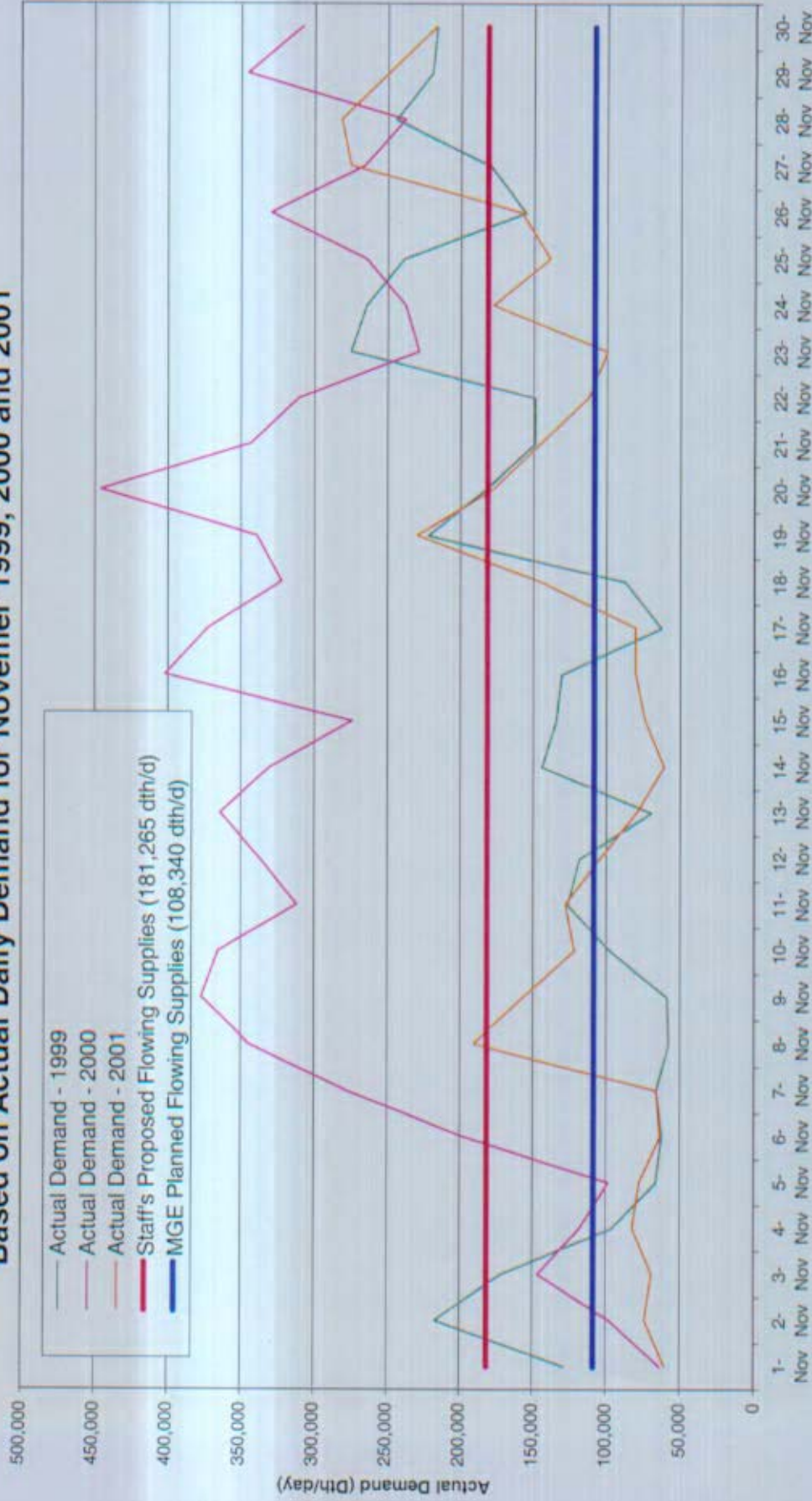
MLT 14

Missouri Gas Energy  
Analysis of Expected Storage to Actual Storage  
Nov 1997 - Mar 2002

| Expected Volumes |                  |                 | Weather    |            |             | Actual Volumes |                  |                 | Storage Variance    |          |
|------------------|------------------|-----------------|------------|------------|-------------|----------------|------------------|-----------------|---------------------|----------|
| Total Volumes    | Purchase Volumes | Storage Volumes | Actual HDD | Normal HDD | % of Normal | Total Volumes  | Purchase Volumes | Storage Volumes | Actual vs. Expected |          |
| Nov-97           | 7,605,990        | 4,778,520       | 2,827,470  | 710        | 657         | 108.07%        | 7,923,099        | 5,006,916       | 2,916,183           | 3.14%    |
| Dec-97           | 10,960,794       | 7,425,864       | 3,534,930  | 978        | 1073        | 91.15%         | 11,478,932       | 9,266,820       | 2,212,112           | -37.42%  |
| Jan-98           | 12,072,061       | 8,266,718       | 3,805,343  | 945        | 1218        | 77.59%         | 11,443,336       | 8,507,577       | 2,935,759           | -22.85%  |
| Feb-98           | 10,360,000       | 6,405,672       | 3,954,328  | 662        | 946         | 69.98%         | 8,431,917        | 4,754,207       | 3,677,710           | -7.00%   |
| Mar-98           | 7,221,202        | 5,082,388       | 2,138,814  | 797        | 691         | 115.34%        | 9,774,280        | 5,742,597       | 4,031,683           | 88.50%   |
| Nov-98           | 7,320,060        | 3,199,050       | 4,121,010  | 503        | 657         | 76.56%         | 5,509,211        | 1,912,825       | 3,596,386           | -12.73%  |
| Dec-98           | 12,539,903       | 9,964,361       | 2,575,542  | 940        | 1073        | 87.60%         | 10,788,379       | 10,036,769      | 751,610             | -70.82%  |
| Jan-99           | 11,403,381       | 7,759,238       | 3,644,143  | 1145       | 1218        | 94.01%         | 13,190,277       | 8,349,272       | 4,841,005           | 32.84%   |
| Feb-99           | 10,353,056       | 8,010,912       | 2,342,144  | 674        | 946         | 71.25%         | 7,913,473        | 8,694,105       | (780,632)           | -133.33% |
| Mar-99           | 6,351,001        | 4,265,724       | 2,085,277  | 666        | 691         | 96.38%         | 7,885,820        | 3,793,843       | 4,091,977           | 96.23%   |
| Nov-99           | 7,449,700        | 3,322,180       | 4,127,520  | 391        | 657         | 59.51%         | 4,414,515        | 3,322,150       | 1,092,365           | -73.53%  |
| Dec-99           | 8,935,936        | 5,890,403       | 3,045,533  | 888        | 1073        | 82.76%         | 9,843,466        | 4,086,129       | 5,757,337           | 89.04%   |
| Jan-00           | 12,675,869       | 9,621,842       | 3,054,027  | 1052       | 1218        | 86.37%         | 11,490,604       | 7,678,173       | 3,812,431           | 24.83%   |
| Feb-00           | 9,408,147        | 6,562,609       | 2,845,538  | 685        | 946         | 72.41%         | 8,165,749        | 6,502,580       | 1,663,169           | -41.55%  |
| Mar-00           | 6,288,970        | 4,155,519       | 2,133,451  | 537        | 691         | 77.71%         | 6,042,011        | 2,131,891       | 3,910,120           | 83.28%   |
| Nov-00           | 7,506,810        | 3,228,660       | 4,278,150  | 833        | 657         | 126.79%        | 8,899,925        | 3,226,368       | 5,673,557           | 32.62%   |
| Dec-00           | 12,025,644       | 8,979,150       | 3,046,494  | 1445       | 1073        | 134.67%        | 16,074,078       | 9,346,368       | 6,727,710           | 120.83%  |
| Jan-01           | 14,297,541       | 12,562,471      | 1,735,070  | 1113       | 1218        | 91.38%         | 12,718,983       | 12,548,460      | 170,523             | -90.17%  |
| Feb-01           | 10,970,428       | 8,537,004       | 2,433,424  | 996        | 946         | 105.29%        | 11,009,323       | 8,541,373       | 2,467,950           | 1.42%    |
| Mar-01           | 7,884,571        | 5,862,286       | 2,022,285  | 764        | 691         | 110.56%        | 8,348,578        | 6,532,286       | 1,816,292           | -10.19%  |
| Nov-01           | 7,855,110        | 3,645,390       | 4,209,720  | 398        | 657         | 60.58%         | 4,317,691        | 3,603,515       | 714,176             | -83.04%  |
| Dec-01           | 9,913,552        | 6,524,694       | 3,388,858  | 844        | 1073        | 78.66%         | 9,996,257        | 7,927,036       | 2,069,221           | -38.94%  |
| Jan-02           | 11,423,624       | 6,088,090       | 5,335,534  | 974        | 1218        | 79.97%         | 10,624,016       | 7,807,373       | 2,816,643           | -47.21%  |
| Feb-02           | 8,491,196        | 3,369,604       | 5,121,592  | 756        | 946         | 79.92%         | 8,404,975        | 4,890,409       | 3,514,566           | -31.38%  |
| Mar-02           | 6,245,291        | 2,035,553       | 4,209,738  | 759        | 657         | 115.53%        | 8,465,251        | 3,802,438       | 4,662,813           | 10.76%   |

MLT 15

# Comparison of MGE's Storage Plan and Staff's Proposal Based on Actual Daily Demand for November 1999, 2000 and 2001



|                              | 1999 | 2000 | 2001 | Total |
|------------------------------|------|------|------|-------|
| No. of Days Demand < 108,340 | 10   | 3    | 14   | 27    |
| No. of Days Demand < 181,265 | 21   | 5    | 24   | 50    |

MLT 16

**Missouri Gas Energy**  
A Division of Southern Union Company

**Missouri Public Counsel**  
**Case Number GR-2001-382**  
**Data Request Number 62**

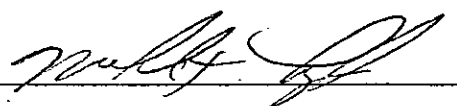
**Requested By:** Lesa Jenkins and Anne Allee

**Requested From:** Mike Noack

**Date of Request:** March 26, 2002

**Information Requested:** With regard to the preceding data request, please indicate and quantify all factors that had an impact on monthly nominations including subsequent changes to the monthly nominations.

**Response:** See answer to Data Request Number 61. In addition, attached is a general discussion of the timeline involved in the monthly supply plans for November, 2000 through March, 2001 with discussion of the most significant factors impacting those plans.

Prepared By: 

Date: cf. 26. 2002

**Timeline of Significant Events**  
**Storage Injection/Expected Demand**  
**November, 2000 – March, 2001**  
**MPSC Case #GR-2001-382**

- I. July 1, 2000:  
Filed Reliability Report with base case reflecting expected supply needs
- Support: Copy of page 10 of Reliability Report showing forecasted volume requirements
- II. October, 2000:  
Due to warmer than expected weather, projections showed MGE would exceed contracted TSS Storage Capacity. MGE entered into an Interruptible Storage Arrangement with Williams to provide for an additional 500,000 MMBtu of storage capacity. Williams then transferred 500,000 MMBtu of inventory out of the firm TSS into the ISS to insure that MGE would not exceed its capacity contracted under TSS contract.
- Support: November 10<sup>th</sup> Storage Report:  
Total injections in October at 1,470,577 MMBtu net of fuel resulted in ISS storage capacity of 500,000 MMBtu and TSS inventory of 15,093,505 MMBtu out of total TSS capacity of 15,173,329 MMBtu. Therefore, incremental storage inventory availability was  $500,000 - (15,173,329 - 15,093,505) = 419,676$  MMBtu (also see Reliability Report page 28 for total contracted storage capacities).
- III. On or about October 23, 2000:  
Finalized November, 2000 Supply Plan. Requirements were based on projected baseload amount as reported in the Reliability Report plus an amount necessary to balance the Limited Jurisdictional Exchange Agreement with KGS (25,000 MMBtu) resulting in a total expected demand of 7,425,361 MMBtu. TSS storage withdrawal followed planned levels of 4,000,000 MMBtu with an additional 150,000 MMBtu of withdrawal capacity planned in order to begin utilizing the excess ISS storage capacity available to the Company.
- Support: Copy of the final November Supply Demand Summary dated October 23, 2000. Copy of original storage plans.
- IV. November 27, 2000:  
Finalized December, 2000 Supply Plan. Expected need was based upon original base projections (12,375,465) plus an amount needed for limited jurisdictional exchange with KGS (25,000 MMBtu). Total required supply to meet demand 12,400,465 MMBtu. The storage withdrawal

based on the Plan 2,849,985 no incremental storage from ISS capacity was planned since the daily withdrawal numbers showed that we had exceeded the November Plan levels as a result of the colder than normal weather.

Plan anticipated entering December: 20,000 MMBtu short of maximum flowing gas. This shortfall was planned as an effort to capitalize on price reductions that, at the time, MGE expected to materialize in the market during December. This expectation was not, however, fulfilled.

Support: See attached copies of correspondence outlining December Supply Plans.

- V. Expected Storage withdrawal for November, as of November 27:  
The daily storage report was 4,506,299 MMBtu.

Support: On November 27, the storage balance projection sheet.

These numbers indicated that the projected November storage withdrawal values were reasonably close to the plan of 4,150,000 level and, therefore, no additional adjustment in December plans for storage was deemed necessary.

Weather projections for early December, based on AccuWeather forecast on November 27, 2000, at the time this plan was finalized, showed for the first 3 days of December to be at or warmer than normal expected heating degree days.

- VI. Through December 10<sup>th</sup>:

Actual heating degree days were generally warmer than normal. However, projections covering the period after December 10<sup>th</sup> began showing significantly colder weather. On December 7<sup>th</sup> and 8<sup>th</sup>, forecasts began showing increased average heating degree days expectations. December 9<sup>th</sup> and 10<sup>th</sup> were weekend days. On Monday, December 11, 2000, with the weather continuing to show significantly colder values, MGE purchased additional intraday gas for December 11, 2000. In addition, additional incremental supplies were purchased for the remainder of the month.

Support: Storage sheets for December 7<sup>th</sup>, 8<sup>th</sup>, and 11<sup>th</sup>. Incremental purchase summary.

All days in December, after December 10, 2000, exhibited heating degree days at or colder than normal expected levels.

VII. December 19<sup>th</sup> and 20<sup>th</sup>:

Finalized January's Supply Plans. Stated concerns show severe deficiencies in storage balances possible through the winter based on the revised November take levels following Williams' actual TSS balance reports which showed an additional approximately 400,000 MMBtu of storage withdrawal in November than had been expected based on MGE's forecast. In addition, MGE added incremental flowing gas of approximately 32,893 MMBtu per day of gas for the January time period and, as a result of total overall adjustments, reduced the planned TSS withdrawal from inventory levels from 2,849,985 to 1,530,005 MMBtu.

Support: Correspondence on storage reports outlining additional flowing supplies and potential storage shortfall projections.

VIII. Early January:

Prices generally began falling after the first of January and January weather was generally substantially warmer than normal levels. This resulted in lower overall storage withdrawal levels than anticipated by MGE's January supply plan.

IX. January 16<sup>th</sup> and 17<sup>th</sup>:

Finalized February Supply Plan. Entered the month with 20,000 MMBtu short due to falling prices and warm weather being experienced in January.

February was slightly colder than normal levels, yet the overall system demand was reduced and did not result in strong storage pulls. Prices generally declined through February. MGE did not purchase incremental supplies during the month of February as a result of the projections of storage withdrawal not showing substantial deviance from planned levels.

Support: See attached correspondence finalizing February Supply Plan.

X. February 16<sup>th</sup>:

Finalized March 2001 Supply Plans. Plan for March showed 25,000 MMBtu low on supply vs. expected demand levels in an attempt to take advantage of falling prices and more moderate storage withdrawal levels than experienced during January and February.

Support: See attached correspondence finalizing March Supply Plan.

XI. March 8<sup>th</sup> through 31<sup>st</sup>:

The incremental purchases being made to adjust projected March storage levels to reflect planned end of March storage inventory levels of approximately of 500,000 MMBtu.

Support:

See attached summary of potential purchases and informal analysis of need for continued incremental gas.

Support:

See attached summary of potential purchases and informal analysis of need for continued incremental gas.

**I. July 1, 2000**

Table I-3

**MGE Historical Demand Calculator**  
**30-Year Normal Weather**  
 2001 Fiscal Year Forecast  
 All Volumes in Dth

| MONTH | Jul-00 | Aug-00 | Sep-00 | Oct-00 | Nov-00 | Dec-00 | Jan-01 | Feb-01 | Mar-01 | Apr-01 | May-01 | Jun-01 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|

**Base Case - 30 Year Normal Weather**  
 Heating Degree Days = 5393 (Normal)

|         |         |         |         |         |         |          |          |          |         |         |         |         |          |
|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|----------|
| n Total | 1416147 | 1508339 | 1680470 | 3257311 | 7400361 | 12375465 | 13868421 | 11213497 | 8423472 | 4142776 | 2612050 | 1673255 | 69571565 |
|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|---------|---------|---------|----------|

**Low Case**

Heating Degree Days = 3866 (71.69% of Normal)

|         |         |         |         |         |         |          |          |         |         |         |         |         |          |
|---------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|----------|
| l Total | 1416147 | 1508339 | 1521526 | 3096277 | 5587935 | 10592504 | 10077482 | 8819953 | 6845539 | 2868960 | 1632210 | 1656552 | 55623424 |
|---------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|----------|

**High Case**

Heating Degree Days = 7220 (133.87% of Normal)

|         |         |         |         |         |         |          |          |          |          |         |         |         |          |
|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|---------|---------|---------|----------|
| h Total | 1416147 | 1567912 | 2052175 | 4035083 | 9140788 | 17896663 | 16186584 | 13732070 | 10514864 | 6104457 | 2994792 | 1674924 | 87316459 |
|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|---------|---------|---------|----------|

DMD00\_01.xls / 2001 Fiscal\_30  
 July 1, 2000

## **II. October, 2000**

STORAGE: 07831  
SA0092 - ISS - MARKET AREA

WILLIAMS GAS LINES CENTRAL, INC.  
STORAGE STATEMENT  
FOR THE MONTH OF OCTOBER 2000

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| ADJ.<br>DATE                           | TRANSPORTATION<br>CONTRACT | RSC | GROSS<br>DTH. |
|----------------------------------------|----------------------------|-----|---------------|
| INJECTIONS:                            |                            |     |               |
|                                        |                            |     | 0             |
| TOTAL INJECTIONS:                      |                            |     | 0             |
| WITHDRAWAL:                            |                            |     |               |
|                                        |                            |     | 0             |
| TOTAL WITHDRAWAL:                      |                            |     | 0             |
| CURRENT MONTH FUEL PERCENTAGE IS: 4.45 |                            |     |               |

|                                    | DTH     |
|------------------------------------|---------|
| CURRENT MONTH INJECTIONS           | 0       |
| CURRENT MONTH WITHDRAWAL           | 0       |
| CURRENT MONTH CREDIT BACK FUEL     | 0       |
| CURRENT MONTH INJ OR WDR           | 0       |
| CURRENT MONTH FUEL ON INJ          | 0       |
| CURRENT MONTH NET                  | 0       |
| PRIOR PERIOD ADJ. INJECTIONS       | 0       |
| PRIOR PERIOD ADJ. WITHDRAWALS      | 0       |
| PRIOR PERIOD ADJ. CREDIT BACK FUEL | 0       |
| PRIOR PERIOD ADJ. INJ OR WDR       | 0       |
| PRIOR PERIOD ADJ. FUEL ON INJ      | 0       |
| PRIOR PERIOD ADJ. NET              | 0       |
| CURRENT ACTIVITY BALANCE           | 0       |
| PRIOR MONTH BALANCE                | 0       |
| TRANSFER FROM                      | 500000- |
| MARKET AREA ENDING BALANCE         | 500000- |

| ADJ.<br>DATE         | STORAGE<br>CONTRACT | BILLED<br>DTH. | TYPE<br>CHARGE | RATE     | AMOUNT      |
|----------------------|---------------------|----------------|----------------|----------|-------------|
|                      | 1SA0092             | 500,000        | CMD            | 0.029000 | \$14,500.00 |
| TOTAL STORAGE CHARGE |                     |                |                |          | \$14,500.00 |

(-) : BALANCE DUE SHIPPER  
(+) : BALANCE DUE WNG

STORAGE: MGE  
SA0014 - TSS - MARKET AREA

07831

WILLIAMS GAS PIPELINES CENTRAL, INC.  
STORAGE STATEMENT  
FOR THE MONTH OF OCTOBER 2000

11/10/2000

PAGE 3  
19:01:34

| ADJ.<br>DATE                           | TRANSPORTATION<br>CONTRACT | RSC | GROSS<br>DTH. |
|----------------------------------------|----------------------------|-----|---------------|
| INJECTIONS:                            |                            |     |               |
|                                        | 1TA0014                    | TSS | 1,539,086     |
| TOTAL INJECTIONS:                      |                            |     | 1,539,086 ✓   |
| WITHDRAWAL:                            |                            |     | 0             |
| TOTAL WITHDRAWAL:                      |                            |     | 0             |
| CURRENT MONTH FUEL PERCENTAGE IS: 4.45 |                            |     |               |

|                                    | DTH         |
|------------------------------------|-------------|
| CURRENT MONTH INJECTIONS           | 1539086-    |
| CURRENT MONTH WITHDRAWAL           | 0           |
| CURRENT MONTH CREDIT BACK FUEL     | 0           |
| CURRENT MONTH INJ OR WDR           | 1539086- ✓  |
| CURRENT MONTH FUEL ON INJ          | 68489       |
| CURRENT MONTH NET                  | 1470597-    |
| PRIOR PERIOD ADJ. INJECTIONS       | 0           |
| PRIOR PERIOD ADJ. WITHDRAWALS      | 0           |
| PRIOR PERIOD ADJ. CREDIT BACK FUEL | 0           |
| PRIOR PERIOD ADJ. INJ OR WDR       | 0           |
| PRIOR PERIOD ADJ. FUEL ON INJ      | 0           |
| PRIOR PERIOD ADJ. NET              | 0           |
| CURRENT ACTIVITY BALANCE           | 1470597-    |
| PRIOR MONTH BALANCE                | 14122908-   |
| TRANSFER TO SA0014                 | 500000      |
| MARKET AREA ENDING BALANCE         | 15093505- ✓ |

| ADJ.<br>DATE         | STORAGE<br>CONTRACT | BILLED<br>DTH. | TYPE<br>CHARGE | RATE       | AMOUNT       |
|----------------------|---------------------|----------------|----------------|------------|--------------|
|                      | 1SA0014             | 1,539,086 ✓    | INJ            | 0.012200 ✓ | \$18,776.85  |
|                      | 1SA0014             | 15,093,505 ✓   | REC            | 0.029000 ✓ | \$437,711.65 |
|                      | 1SA0014             | 459,813 ✓      | RED            | 0.508300 ✓ | \$233,722.95 |
| TOTAL STORAGE CHARGE |                     |                |                |            | \$690,211.45 |
|                      |                     |                |                |            | =====        |

(-) : BALANCE DUE SHIPPER  
(+) : BALANCE DUE WNG

*Sh*

STORAGE: TGE  
SA0014 - TSS - MARKET AREA

07831

WILLIAMS GAS PIPELINES CENTRAL, INC.  
STORAGE STATEMENT  
FOR THE MONTH OF OCTOBER 2000

11/10/2000

PAGE 3  
19:01:34

| ADJ.<br>DATE      | TRANSPORTATION<br>CONTRACT | RSC | GROSS<br>DTH. |
|-------------------|----------------------------|-----|---------------|
| INJECTIONS:       |                            |     |               |
|                   | 1TA0014                    | TSS | 1,539,086     |
| TOTAL INJECTIONS: |                            |     | 1,539,086 ✓   |
| WITHDRAWAL:       |                            |     | 0             |
| TOTAL WITHDRAWAL: |                            |     | 0             |

CURRENT MONTH FUEL PERCENTAGE IS: 4.45

|                                    | DTH         |
|------------------------------------|-------------|
| CURRENT MONTH INJECTIONS           | 1539086-    |
| CURRENT MONTH WITHDRAWAL           | 0           |
| CURRENT MONTH CREDIT BACK FUEL     | 0           |
| CURRENT MONTH INJ OR WDR           | 1539086- ✓  |
| CURRENT MONTH FUEL ON INJ          | 68489       |
| CURRENT MONTH NET                  | 1470597-    |
| PRIOR PERIOD ADJ. INJECTIONS       | 0           |
| PRIOR PERIOD ADJ. WITHDRAWALS      | 0           |
| PRIOR PERIOD ADJ. CREDIT BACK FUEL | 0           |
| PRIOR PERIOD ADJ. INJ OR WDR       | 0           |
| PRIOR PERIOD ADJ. FUEL ON INJ      | 0           |
| PRIOR PERIOD ADJ. NET              | 0           |
| CURRENT ACTIVITY BALANCE           | 1470597-    |
| PRIOR MONTH BALANCE                | 14122908-   |
| TRANSFER TO SA0014                 | 500000      |
| MARKET AREA ENDING BALANCE         | 15093505- ✓ |

(-) : BALANCE DUE SHIPPER  
(+) : BALANCE DUE WNG

| ADJ.<br>DATE         | STORAGE<br>CONTRACT | BILLED<br>DTH. | TYPE<br>CHARGE | RATE       | AMOUNT       |
|----------------------|---------------------|----------------|----------------|------------|--------------|
|                      | 1SA0014             | 1,539,086 ✓    | INJ            | 0.012200 ✓ | \$18,776.85  |
|                      | 1SA0014             | 15,093,505 ✓   | REC            | 0.029000 ✓ | \$437,711.65 |
|                      | 1SA0014             | 459,813 ✓      | RED            | 0.508300 ✓ | \$233,722.95 |
| TOTAL STORAGE CHARGE |                     |                |                |            | \$690,211.45 |

*Sh*

STORAGE: FSS - MARKET AREA

07831

WILLIAMS GAS PIPELINES CENTRAL, INC.  
STORAGE STATEMENT  
FOR THE MONTH OF OCTOBER 2000

11/10/2000

PAGE 4  
19:01:34

| ADJ.<br>DATE      | TRANSPORTATION<br>CONTRACT | RSC | GROSS<br>DTH. |
|-------------------|----------------------------|-----|---------------|
| INJECTIONS:       |                            |     |               |
|                   | 1TA0631                    | FTS | 153,410 ✓     |
| TOTAL INJECTIONS: |                            |     | 153,410       |
| WITHDRAWAL:       |                            |     | 0             |
| TOTAL WITHDRAWAL: |                            |     | 0             |

CURRENT MONTH FUEL PERCENTAGE IS: 4.45

| ADJ.<br>DATE         | STORAGE<br>CONTRACT | BILLED<br>DTH. | TYPE<br>CHARGE | RATE     | AMOUNT        |
|----------------------|---------------------|----------------|----------------|----------|---------------|
|                      | 1SA0072             | 153,410        | INJ            | 0.012200 | \$1,871.60    |
|                      | 1SA0072             | 1,121,952      | REC            | 0.029000 | \$32,536.61   |
|                      | 1SA0072             | 34,000         | RED            | 0.508300 | \$17,282.20   |
| TOTAL STORAGE CHARGE |                     |                |                |          | \$51,690.41 ✓ |

|                                    | DTH        |
|------------------------------------|------------|
| CURRENT MONTH INJECTIONS           | 153410-    |
| CURRENT MONTH WITHDRAWAL           | 0          |
| CURRENT MONTH CREDIT BACK FUEL     | 0          |
| CURRENT MONTH INJ OR WDR           | 153410-    |
| CURRENT MONTH FUEL ON INJ          | 6827       |
| CURRENT MONTH NET                  | 146583-    |
| PRIOR PERIOD ADJ. INJECTIONS       | 0          |
| PRIOR PERIOD ADJ. WITHDRAWALS      | 0          |
| PRIOR PERIOD ADJ. CREDIT BACK FUEL | 0          |
| PRIOR PERIOD ADJ. INJ OR WDR       | 0          |
| PRIOR PERIOD ADJ. FUEL ON INJ      | 0          |
| PRIOR PERIOD ADJ. NET              | 0          |
| CURRENT ACTIVITY BALANCE           | 146583-    |
| PRIOR MONTH BALANCE                | 975369-    |
| TRANSFERS                          | 0          |
| MARKET AREA ENDING BALANCE         | 1121952- ✓ |

(-) : BALANCE DUE SHIPPER  
(+) : BALANCE DUE WNG

### **III. On or about October 23, 2000**

**MISSOURI GAS ENERGY**  
**SUPPLY / DEMAND SUMMARY**  
November 2000 - Final  
10/23/2000 @ 4:00 PM

**November Demand**

7,425,361 Monthly Total  
247,512 Daily Average  
657 HDD's

PDP = 418,720 TWh of 58 HDD's

**WGPC CUSTOMER DEMAND**

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 208,513

**PEPL CUSTOMER DEMAND**

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (3887 OS, 3735 WB, 2000 BL, 1000 KC)  
Storage With Nominate 4320 Dth/d

**PEPL @ PONY EXPRESS**

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

**PXP CUSTOMER DEMAND**

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

**PXP @ WGPC GLAVIN**

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

**KPC CUSTOMER DEMAND**

SUB-TOTAL KPC DEMAND

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
|---------------|--------------------|-------------|---------------|
| 216,902       | 1,896              | 80,465      | 2,413,950     |
| -138,333      | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 78,569        | 1,896              | 80,465      | 2,413,950     |
| 10,622        | 137                | 6,487       | 194,610       |
| -4,272        | 0                  | 0           | 0             |
| 6,350         | 137                | 6,487       | 194,610       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 19,988        | 682                | 20,670      | 620,100       |
| 19,988        | 682                | 20,670      | 620,100       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 104,907       | 2,715              | 107,622     | 3,228,660     |

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

**ASSIGNED TERM SUPPLIES**

30  
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

| MINIMUMS/D | MAXIMUMS/D | PLANNED | PLANNED   |
|------------|------------|---------|-----------|
| 0          | 0          | 17,808  | 534,240   |
| 0          | 0          | 15,000  | 450,000   |
| 0          | 0          | 22,500  | 675,000   |
| 0          | 0          | 55,308  | 1,659,240 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

**ONEOK TERM SUPPLIES**

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

|   |   |       |        |
|---|---|-------|--------|
| 0 | 0 | 1,000 | 30,000 |
| 0 | 0 | 1,000 | 30,000 |

**DUKE TERM SUPPLIES**

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

SUB-TOTAL DUKE TERM SUPPLIES

|   |   |        |           |
|---|---|--------|-----------|
| 0 | 0 | 25,157 | 754,710   |
| 0 | 0 | 19,670 | 590,100   |
| 0 | 0 | 0      | 0         |
| 0 | 0 | 6,487  | 194,610   |
| 0 | 0 | 0      | 0         |
| 0 | 0 | 0      | 0         |
| 0 | 0 | 51,314 | 1,538,420 |

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

|   |   |         |           |
|---|---|---------|-----------|
| 0 | 0 | 107,622 | 3,228,660 |
| 0 | 0 | 0       | 0         |

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

833 25,000

| Echo New Capacity (Includes Production Fuel) |        |
|----------------------------------------------|--------|
| Amoco                                        | 17,808 |
| Oxy                                          | 15,000 |
| Duke                                         | 25,157 |
|                                              | 0      |
|                                              | 0      |
|                                              | 0      |
|                                              | 0      |
| Total Supply                                 | 57,965 |
| Total Remaining                              | 0      |

| WNG PEAK DAY REQUIREMENT (Net of Fuel) |          |
|----------------------------------------|----------|
| WNG FULL TRANSPORT                     | 737,526  |
| LESS MAX STORAGE WITHDRAWAL            | -493,813 |
| FLOWING GAS NEEDS                      | 243,813  |
| WNG NOMINATED                          | -78,569  |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
| PEAK DAY NEEDS                         | 165,244  |

PEPL - 2000/2001 Winter Withdrawal Schedule - FS  
Missouri Gas Energy

|               |           |                   |           |
|---------------|-----------|-------------------|-----------|
| Contract      | 017073    | Zone              | FID       |
| Rate Schedule | FS        | Market Fuel %     | 0.00      |
| MSQ (Dth)     | 1,471,800 | Injection Fuel %  | 0         |
| MDIG (Dth)    | 15,000    | Withdrawal Fuel % | 0.00      |
| MDWQ (Dth)    | 20,000    | 10/31 Balance     | 1,051,108 |

| TYPICAL PLAN |         |       |         | UPDATED PLAN |        |           |
|--------------|---------|-------|---------|--------------|--------|-----------|
|              | Month   | Day   | Balance | Month        | Day    | Balance   |
| November     | 150,166 | 5,006 | 900,942 | 46,205       | 1,540  | 1,004,903 |
| December     | 230,255 | 7,428 | 670,687 | 429,365      | 13,850 | 575,538   |
| January      | 240,266 | 7,751 | 430,421 | 207,359      | 6,689  | 368,179   |
| February     | 230,255 | 8,223 | 200,166 | 198,744      | 7,098  | 169,435   |
| March        | 150,166 | 4,844 | 50,000  | 129,611      | 4,181  | 39,824    |

Note: Above Volumes are Inclusive of Fuel!

| Withdrawal Month | End-Of-Month Balance | Percent of MSQ | Daily Nomination (Includes all Fuel) | Delivered To Market |
|------------------|----------------------|----------------|--------------------------------------|---------------------|
| November         | 1,004,903            | 68.28%         | 1,540                                | 1,518               |
| December         | 575,538              | 39.10%         | 13,850                               | 13,648              |
| January          | 368,179              | 25.02%         | 6,689                                | 6,591               |
| February         | 169,435              | 11.51%         | 7,098                                | 6,994               |
| March            | 39,824               | 2.71%          | 4,181                                | 4,120               |

WNG 2000/2001 Winter Withdrawal Schedule - TSS

Missouri Gas Energy

8/2002 14:19

|               |           |                   |            |     |              |
|---------------|-----------|-------------------|------------|-----|--------------|
| Contract      | SA-0014   | Zone              | F          | Mkt |              |
| Rate Schedule | FSS       | Market Fuel %     | 0.00       |     |              |
| MSQ (Dth)     | 5,173,829 | Injection Fuel %  | 0.00       |     |              |
| MBIC (Dth)    | Variable  | Withdrawal Fuel % | 0.00       |     |              |
| MDWC (Dth)    | 459,813   | 40/3:11 Balance   | 11,593,505 |     | Includes ISS |

ORIGINAL  
PLAN

UPDATED  
PLAN

|          | Month     | Day     | Balance    | Month     | Day     | Balance   |
|----------|-----------|---------|------------|-----------|---------|-----------|
| November | 4,000,000 | 133,333 | 11,593,505 | 5,627,352 | 187,578 | 9,966,153 |
| December | 2,849,985 | 91,935  | 8,743,520  | 6,218,170 | 200,586 | 3,747,983 |
| January  | 2,849,985 | 91,935  | 5,893,535  | -36,836   | -1,188  | 3,784,819 |
| February | 2,558,612 | 91,379  | 3,334,923  | 2,269,106 | 81,040  | 2,515,713 |
| March    | 2,097,341 | 67,656  | 1,237,582  | 1,645,004 | 53,065  | 870,709   |

Note: Above Volumes are Exclusive of Fuel

Includes transfer of 1,000,000 Dth from FSS Storage

| Withdrawal<br>Month | End-Of-Month<br>Balance | Percent<br>of MSQ |
|---------------------|-------------------------|-------------------|
| November            | 9,966,153               | 65.68%            |
| December            | 3,747,983               | 24.70%            |
| January             | 3,784,819               | 24.94%            |
| February            | 2,515,713               | 16.58%            |
| March               | 870,709                 | 5.74%             |

# WNG 2000/2001 Winter Withdrawal Schedule - FSS

Missouri Gas Energy

3/2002 14:19

|               |           |                   |           |
|---------------|-----------|-------------------|-----------|
| Contract      | SA-0072   | Zone              | WVKT      |
| Rate Schedule | FSS       | Market Fuel %     | 0.00      |
| MSQ (Dth)     | 1,122,000 | Injection Fuel %  | 0.00      |
| MDQ (Dth)     | Variable  | Withdrawal Fuel % | 0.00      |
| MDWQ (Dth)    | 34,000    | 10/31 Balance     | 1,122,000 |

| ORIGINAL PLAN |         |         | UPDATED PLAN |        |           |
|---------------|---------|---------|--------------|--------|-----------|
| Month         | Day     | Balance | Month        | Day    | Balance   |
| November      | 0       | 0       | 0            | 0      | 1,122,000 |
| December      | 374,000 | 34,000  | 80,223       | 7,293  | 1,041,777 |
| January       | 374,000 | 34,000  | 0            | 0      | 1,041,777 |
| February      | 374,000 | 34,000  | 1,000,000    | 90,909 | 41,777    |
| March         | 0       | 0       | 41,777       | 3,798  | 0         |

41,777 Dth transferred to TSS storage at end of March  
1 Bcf transferred to TSS storage at end of February

Note: This plan is based on withdrawing the full MDWQ of 34,000 Dth/day for a total of 33 days during the core winter months of December, January, and February. All volumes are exclusive of fuel.

| Withdrawal Month | End-Of-Month Balance | Percent of MSQ |
|------------------|----------------------|----------------|
| November         | 1,122,000            | 100.00%        |
| December         | 1,041,777            | 92.85%         |
| January          | 1,041,777            | 92.85%         |
| February         | 41,777               | 3.72%          |
| March            | 0                    | 0.00%          |

#### **IV. November 27, 2000**

## Ken Hubbard

**From:** David Twichell  
**To:** Brenda Trombetta; Danny Silberman; Ken Hubbard; Stacy Hower; Mark Homestead  
**Cc:** Mike Langston  
**Subject:** RE: December Volumes and Prices  
**Date:** Tuesday, November 28, 2000 3:54PM  
**Priority:** High

<<File Attachment: SD2000DE.XLS>>

Please note following changes under "Duke Term Supplies":

1. Increased Williams from 136,916 Dth/day to 156,916 Dth/day.
2. Decreased Pony Express @ Cheyenne from 52,626 Dth/day to 32,626 Dth/day.

This still leaves the overall supply 20,000 Dth/day short of projected demand but allows us to take advantage of more attractive pricing on Williams. Incremental supply will be added to Pony Express as conditions warrant throughout the month of December 2000. Please discard any previous December SD Summaries marked "Final" and replace with this one.

Mark-

Based on our phone conversation, please verify that volumes and pricing change as follows:

| Location        | Volume/Day | Price                  |
|-----------------|------------|------------------------|
| Transok         | 10371      | PEPL Index plus \$.03  |
| PEPL            | 8272       | PEPL Index plus \$.015 |
| Rockport (Pony) | 32626      | WNG Index minus \$.065 |
| WNG Echo Spgs   | 25157      | WNG Index minus \$.19  |
| WNG KS/OK87916  |            | WNG Index plus \$.005  |
| WNG KS/OK10000  |            | Fixed Price of \$4.79  |
| WNG KS/OK10000  |            | Fixed Price of \$4.72  |
| WNG KS/OK49000  |            | WNG Index minus \$.05  |

These changes generate an additional 19,341 Dth/day of Pony Express capacity that will be released to Duke at \$.035/dth. Any incremental supply added during December will move on Pony and capacity will be recalled as needed. Please call if you have any questions.

Thanks,

D. Twichell

-----  
From: mrhomestead@duke-energy.com  
To: david.twichell@southernunionco.com  
Cc: mike.langston@southernunionco.com  
Subject: December Volumes and Prices  
Date: Monday, November 27, 2000 12:22PM

Based upon all of our conversations and individual transactions, below is a complete list of locations, volumes and prices for gas Duke will be supplying for December. Please let me know if you disagree with any of this data. Thanks.

| Location         | Volume/Day | Price                  |
|------------------|------------|------------------------|
| Transok          | 10371      | PEPL Index plus \$.03  |
| PEPL             | 8272       | PEPL Index plus \$.015 |
| Rockport (Pony)  | 52626      | WNG Index minus \$.065 |
| WNG Echo Springs | 25157      | WNG Index minus \$.19  |
| WNG KS/OK        | 87916      | WNG Index plus \$.005  |
| WNG KS/OK        | 10000      | Fixed Price of \$4.79  |
| WNG KS/OK        | 10000      | Fixed Price of \$4.72  |
| WNG KS/OK        | 29000      | WNG Index minus \$.05  |

In addition MGE will be releasing to Duke 48,143 MMBtu/d of Pony capacity at \$.035/dth

Based upon all of our conversations and individual transactions, below is a complete list of locations, volumes and prices for gas Duke will be supplying for December. Please let me know if you dissagree with any of this data. Thanks.

| Location         | Volume/Day | Price                  |
|------------------|------------|------------------------|
| Transok          | 10371      | PEPL Index plus \$.03  |
| PEPL             | 8272       | PEPL Index plus \$.015 |
| Rockport (Pony)  | 52626      | WNG Index minus \$.065 |
| WNG Echo Springs | 25157      | WNG Index minus \$.19  |
| WNG KS/OK        | 87916      | WNG Index plus \$.005  |
| WNG KS/OK        | 10000      | Fixed Price of \$4.79  |
| WNG KS/OK        | 10000      | Fixed Price of \$4.72  |
| WNG KS/OK        | 29000      | WNG Index minus \$.05  |

In addition MGE will be releasing to Duke 48,143 MMBtu/d of Pony capacity at \$.035/dth

# MISSOURI GAS ENERGY

## SUPPLY / DEMAND SUMMARY

December 2000 - Final  
11/28/2000 @ 3:20 PM

### December Demand

12,400,465 Monthly Total  
400,015 Daily Average  
1073 HDD's

WGPC CUSTOMER DEMAND  
WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 243,813

PEPL CUSTOMER DEMAND  
PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (6036 OS, 2400 WB, 5000 BL, 1000 KC)  
Storage With Nominate 6410 Dth/d

PEPL @ PONY EXPRESS  
SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND  
SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN  
SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Motors

KPC CUSTOMER DEMAND  
SUB-TOTAL KPOC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

### ASSIGNED TERM SUPPLIES

31  
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

### ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

### DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24250, Topeka, 25,000 Dth/Mo.

806

| Echo - New Capacity (Excludes Production Fuel) |        |
|------------------------------------------------|--------|
| Amoco                                          | 17,808 |
| Oxy                                            | 15,000 |
| Duke                                           | 25,157 |
|                                                | 0      |
|                                                | 0      |
|                                                | 0      |
|                                                | 0      |
| Total Supply                                   | 57,965 |
| Total Remaining                                | 0      |

| WNG PEAK DAY REQUIREMENT (Net of Fuel) |          |
|----------------------------------------|----------|
| WNG FULL TRANSPORT                     | 737,626  |
| LESS MAX STORAGE WITHDRAWAL            | -493,813 |
| FLOWING GAS NEEDS                      | 243,813  |
| WNG NOMINATED                          | -237,381 |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
| PEAK DAY NEEDS                         | 6,432    |



**TOTAL  
MONTHLY**

7,358,811  
0  
0  
7,358,811

256,432  
0  
256,432

0  
0

1,662,406  
1,662,406

0  
0

321,501  
321,501

9,599,150

**PLAN/MO**

552,048  
465,000  
697,500  
1,714,548

31,000

31,000

779,867  
1,011,406  
4,064,396  
256,432  
321,501  
0

7,233,602

8,979,150

-620,000

25,000

**Ken Hubbard**

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**From:** David Twichell  
**To:** Brenda Trombetta; Danny Silberman; Ken Hubbard; Stacy Hower; Mark Homestead  
**Subject:** MGE December 2000 Business  
**Date:** Monday, November 27, 2000 10:43AM  
**Priority:** High

<<File Attachment: SD2000DE.XLS>>

Moved 29,000 Dth/day from PXP to Williams per verbal agreement with Mark Homestead at Duke. Overall, we are still leaving Williams supply 20,000 short for FOM nominations. Please discard all previous December SD Summaries that were marked "Final" and replace with this one.

Danny - You will be receiving the Conformation Notices for December transactions, please share with Ken.

Brenda/Stacy - Need to discuss nomination strategy Wednesday morning.

Thanks,

D.T.

# MISSOURI GAS ENERGY

## SUPPLY / DEMAND SUMMARY

December 2000 - Final  
11/27/2000 @ 10:30 AM

### December Demand

12,400,465 Monthly Total  
400,015 Daily Average  
1073 HDD's

#### WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

#### PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

#### PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

#### PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

#### PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

#### KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

#### ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - 1/5 @ ECHO SPRINGS  
OXY USA, INC - 1/5 @ ECHO SPRINGS  
OXY USA, INC - 1/5 @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

#### ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

#### DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806

| Echo, New Capacity (Includes Production Fund) |        |
|-----------------------------------------------|--------|
| Amoco                                         | 17,808 |
| Oxy                                           | 15,000 |
| Duke                                          | 25,157 |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
| Total Supply                                  | 57,965 |
| Total Remaining                               | 0      |

| WNG PEAK-DAY REQUIREMENT (Net of Fund) |          |
|----------------------------------------|----------|
| WNG FULL TRANSPORT                     | 737,626  |
| LESS MAX STORAGE WITHDRAWAL            | -493,813 |
| FLOWING GAS NEEDS                      | 243,813  |
| WNG NOMINATED                          | -217,381 |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
| PEAK DAY NEEDS                         | 26,432   |

| PDF - 775534 Dth @ 88 HDD's |                    |             |
|-----------------------------|--------------------|-------------|
| MMBTU PER DAY               | FUEL MMBTU PER DAY | TOTAL DAILY |
| 323,723                     | 5,593              | 237,381     |
| -91,935                     | 0                  | 0           |
| 0                           | 0                  | 0           |
| 231,788                     | 5,593              | 237,381     |
| 14,436                      | 175                | 8,272       |
| -6,339                      | 0                  | 0           |
| 8,097                       | 175                | 8,272       |
| 0                           | 0                  | 0           |
| 0                           | 0                  | 0           |
| 51,856                      | 1,770              | 53,626      |
| 51,856                      | 1,770              | 53,626      |
| 0                           | 0                  | 0           |
| 0                           | 0                  | 0           |
| 10,000                      | 371                | 10,371      |
| 10,000                      | 371                | 10,371      |
| 301,741                     | 7,909              | 309,650     |

|           |  |
|-----------|--|
| 25,000    |  |
| -620,000  |  |
| 8,979,150 |  |
| 7,233,602 |  |
| 0         |  |
| 321,501   |  |
| 256,432   |  |
| 4,244,396 |  |
| 1,631,406 |  |
| 779,867   |  |
| 31,000    |  |
| 31,000    |  |
| 1,714,548 |  |
| 697,500   |  |
| 465,000   |  |
| 552,048   |  |
| PLANMO    |  |
| 9,599,150 |  |
| 321,501   |  |
| 321,501   |  |
| 0         |  |
| 0         |  |
| 1,662,406 |  |
| 1,662,406 |  |
| 0         |  |
| 0         |  |
| 256,432   |  |
| 256,432   |  |
| 7,358,811 |  |
| 7,358,811 |  |
| 0         |  |
| 0         |  |
| 7,358,811 |  |
| MONTHLY   |  |
| TOTAL     |  |



**Ken Hubbard**

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**From:** David Twichell  
**To:** Stacy Hower  
**Cc:** Brenda Trombetta; Danny Silberman; Ken Hubbard  
**Subject:** KPC December Business  
**Date:** Tuesday, November 21, 2000 4:17PM

The KPC numbers on the Supply/Demand Summary you have will remain the same (no changes due to Duke moving supplies). Nominate them on Wednesday as you planned.

With regard to switching volumes from PXP to Williams, we have offered to move 29,000 Dth/day, but Duke wants to wait until Monday, November 27th to pull the trigger (gives them time to evaluate the market between now and then). Since you will be out, I will communicate the decision to Brenda, update the SD Summary, redistribute, and y'all can address it as part of the FOM noms after you return.

My understanding is that you may/may not be in Tuesday (let me know as early as possible), but that you will definitely be back on Wednesday. Is this correct?

Thanks,

D.T.

## David Twichell

---

**From:** mrhomestead@duke-energy.com  
**To:** mike.langston@southernunionco.com  
**Cc:** david.twichell@southernunionco.com  
**Subject:** December Volume Proposal  
**Date:** Tuesday, November 21, 2000 12:00PM

<<File Attachment: DEC00ECONOMICS.XLS>>

In reference to our phone conversation this morning, I would like to propose a reduction in supply volumes at Rockport by up to 53,000/day for the month of December and to supply this volume as incremental supply on WNG, PEPL and Transok/KPL. As an incentive for making this change, I would propose the following prices for the incremental supply:

WNG - Williams Index minus \$.05  
PEPL - Williams Index minus \$.04  
Transok - Williams Index minus \$.025

In each case this would amount to a \$.055 reduction in gas cost on each pipeline at the supply point. Attached is a spreadsheet which shows the current supply point prices and corresponding city gate prices after adding transport variable costs (fuel and commodity), as well as the same prices with the proposed discount taken into affect. Please keep in mind that the Nymex and basis numbers I used in the spreadsheet are moving targets and the numbers used are representative of what the market was at the time I completed the spreadsheet. Please call me with any questions. Thanks.

(See attached file: Dec00Economics.xls)

## David Twichell

---

**From:** mrhomestead@duke-energy.com  
**To:** mike.langston@southernunionco.com  
**Cc:** david.twichell@southernunionco.com  
**Subject:** December Volume Proposal  
**Date:** Tuesday, November 21, 2000 12:00PM

<<File Attachment: DEC00ECONOMICS.XLS>>

In reference to our phone conversation this morning, I would like to propose a reduction in supply volumes at Rockport by up to 53,000/day for the month of December and to supply this volume as incremental supply on WNG, PEPL and Transok/KPL. As an incentive for making this change, I would propose the following prices for the incremental supply:

WNG - Williams Index minus \$.05  
PEPL - Williams Index minus \$.04  
Transok - Williams Index minus \$.025

In each case this would amount to a \$.055 reduction in gas cost on each pipeline at the supply point. Attached is a spreadsheet which shows the current supply point prices and corresponding city gate prices after adding transport variable costs (fuel and commodity), as well as the same prices with the proposed discount taken into affect. Please keep in mind that the Nymex and basis numbers I used in the spreadsheet are moving targets and the numbers used are representative of what the market was at the time I completed the spreadsheet. Please call me with any questions. Thanks.

(See attached file: Dec00Economics.xls)

## December MGE Economics

### Inputs

|                       |    |          |           |
|-----------------------|----|----------|-----------|
| Rockies Basis         | \$ | (0.1500) |           |
| PEPL/WNG Basis        | \$ | (0.1150) |           |
| Poney Fuel            |    | 0.033    | 0.033     |
| Poney Commodity       |    | 0.0298   | \$ 0.0226 |
| WNG Fuel              |    | 0.023562 | 0.0237    |
| WNG Commodity         |    | 0.0279   | \$ 0.0287 |
| Transok/KPL Fuel      |    | 0.035805 | 0.0361    |
| Transok/KPL Commodity |    | 0.0625   | \$ 0.0625 |
| PEPL Fuel             |    | 0.0211   | 0.0123    |
| PEPL Commodity        |    | 0.0370   | \$ 0.0172 |
| NYMEX                 | \$ | 6.4300   |           |

### Current Pricing and Costs

#### MGE City Gate Price

|                 |    |        |                                                           |
|-----------------|----|--------|-----------------------------------------------------------|
| WNG Supply      | \$ | 6.5004 | =Nymex + PEPL Basis + \$.005 / 1-fuel + commodity(aca/gr) |
| Rockport Supply | \$ | 6.4931 | =Nymex + PEPL Basis - \$.065 / 1-fuel + commodity(aca/gr) |
| Transok Supply  | \$ | 6.6431 | =Nymex + PEPL Basis + \$.03 / 1-fuel + commodity(aca/gr)  |
| PEPL Supply     | \$ | 6.5034 | =Nymex + PEPL Basis + \$.015 / 1-fuel + commodity(aca/gr) |

#### MGE Supply Price

|          |    |        |                            |
|----------|----|--------|----------------------------|
| WNG      | \$ | 6.3200 | =Nymex + PEPL basis + .005 |
| Rockport | \$ | 6.2500 | =Nymex + PEPL basis - .065 |
| Transok  | \$ | 6.3450 | =Nymex + PEPL basis + .03  |
| PEPL     | \$ | 6.3300 | =Nymex + PEPL basis + .015 |

### Proposal For Incremental Volumes

#### MGE City Gate Price

|                |    |        |                                                           |
|----------------|----|--------|-----------------------------------------------------------|
| WNG Supply     | \$ | 6.4441 | =Nymex + PEPL Basis - \$.05 / 1-fuel + commodity(aca/gr)  |
| Transok Supply | \$ | 6.5861 | =Nymex + PEPL Basis - \$.025 / 1-fuel + commodity(aca/gr) |
| PEPL Supply    | \$ | 6.4473 | =Nymex + PEPL Basis - \$.04 / 1-fuel + commodity(aca/gr)  |

#### MGE Supply Price

|         |    |        |                              |
|---------|----|--------|------------------------------|
| WNG     | \$ | 6.2650 | =Nymex + PEPL basis - \$.05  |
| Transok | \$ | 6.2900 | =Nymex + PEPL basis - \$.025 |
| PEPL    | \$ | 6.2750 | =Nymex + PEPL basis - \$.04  |

| NYMEX    | PEPLWNG BASIS | COG      |
|----------|---------------|----------|
| \$8.4300 | (\$0.1150)    | \$6.3150 |

|          |               | COG      | Transport<br>Commodity | ACA<br>Commodity | GRI<br>Commodity | Total<br>Commodity | Fuel<br>Percent | Fuel<br>Cost | City Gate<br>Price |
|----------|---------------|----------|------------------------|------------------|------------------|--------------------|-----------------|--------------|--------------------|
| Williams | WNG + \$.005  | \$6.3200 | \$0.0185               | \$0.0022         | \$0.0072         | \$0.0279           | 2.3562%         | \$0.1525     | \$6.5004           |
| Pony     | WNG - \$.065  | \$6.2500 | \$0.0204               | \$0.0022         | \$0.0072         | \$0.0298           | 3.3000%         | \$0.2133     | \$6.4931           |
| KPC      | PEPL + \$.03  | \$6.3450 | \$0.0625               | \$0.0000         | \$0.0000         | \$0.0625           | 3.5805%         | \$0.2356     | \$6.6431           |
| PEPL     | PEPL + \$.015 | \$6.3300 | \$0.0276               | \$0.0022         | \$0.0072         | \$0.0370           | 2.1100%         | \$0.1364     | \$6.5034           |

**V. Expected Storage Withdrawal  
for  
November, as of November 27**

| 30<br>Nov-00 | Forecast<br>HDD's | Actual<br>HDD's | Forecast<br>Demand | KN @<br>107th & Elm | KN @<br>Glavin (WNG)<br>After Fuel | Served<br>KPOC | Served<br>PEPL | Off<br>System<br>Sales | WNG<br>Obligation | WNG<br>Flowing | TSS<br>Daily<br>With(-)/In(+) | TSS<br>Average<br>With(-)/In(+) | TSS<br>Storage<br>Balance | TSS<br>% OF<br>MSQ | FSS<br>Daily<br>With(-)/In(+) | FSS<br>Storage<br>Balance | PEPL/WS<br>Storage<br>Balance | Heat/HDD | Cumulative<br>Heat/HDD |
|--------------|-------------------|-----------------|--------------------|---------------------|------------------------------------|----------------|----------------|------------------------|-------------------|----------------|-------------------------------|---------------------------------|---------------------------|--------------------|-------------------------------|---------------------------|-------------------------------|----------|------------------------|
|              |                   |                 |                    |                     |                                    |                |                |                        |                   |                | 459,813                       |                                 |                           |                    | 34,000                        |                           |                               |          |                        |
| 1            |                   | 7               | 63,404             | 19,224              | 0                                  | 0              | 7,429          | 0                      | 36,751            | 77,763         | 39,187                        | 39,187                          | 15,132,692                | 99.73%             | 0                             | 1,121,952                 | 1,049,668                     | 2,257    | 2,057                  |
| 2            |                   | 12              | 97,654             | 19,407              | 0                                  | 0              | 7,448          | 0                      | 70,799            | 77,763         | 6,654                         | 22,921                          | 15,139,346                | 99.77%             | 0                             | 1,121,952                 | 1,049,668                     | 4,171    | 3,266                  |
| 3            |                   | 18              | 146,342            | 20,445              | 0                                  | 0              | 7,402          | 0                      | 118,495           | 77,763         | -40,732                       | 1,703                           | 15,098,614                | 99.50%             | 0                             | 1,121,952                 | 1,049,668                     | 5,485    | 4,248                  |
| 4            |                   | 12              | 117,810            | 20,437              | 0                                  | 0              | 7,548          | 0                      | 89,825            | 77,763         | -12,062                       | -1,738                          | 15,086,552                | 99.42%             | 0                             | 1,121,952                 | 1,049,668                     | 5,850    | 4,592                  |
| 5            |                   | 8               | 98,348             | 20,487              | 0                                  | 0              | 7,594          | 0                      | 70,267            | 77,763         | 7,163                         | 42                              | 15,093,715                | 99.47%             | 0                             | 1,121,952                 | 1,045,348                     | 6,343    | 4,809                  |
| 6            |                   | 19              | 197,729            | 20,468              | 0                                  | 0              | 3,226          | 0                      | 174,035           | 77,763         | -96,272                       | -16,010                         | 14,997,443                | 98.84%             | 0                             | 1,121,952                 | 1,045,348                     | 7,901    | 5,532                  |
| 7            |                   | 31              | 277,954            | 20,467              | 0                                  | 0              | 7,389          | 0                      | 250,098           | 77,763         | -172,335                      | -38,342                         | 14,825,108                | 97.70%             | 0                             | 1,121,952                 | 1,041,028                     | 7,431    | 6,024                  |
| 8            |                   | 36              | 344,671            | 20,498              | 0                                  | 0              | 7,103          | 0                      | 317,070           | 77,763         | -239,307                      | -63,463                         | 14,585,801                | 96.12%             | 0                             | 1,121,952                 | 1,038,708                     | 8,252    | 6,535                  |
| 9            |                   | 39              | 376,819            | 20,466              | 0                                  | 0              | 7,271          | 0                      | 349,082           | 77,763         | -271,319                      | -86,558                         | 14,314,482                | 94.34%             | 0                             | 1,121,952                 | 1,036,388                     | 8,441    | 6,900                  |
| 10           |                   | 36              | 365,533            | 20,463              | 0                                  | 0              | 7,959          | 0                      | 337,111           | 77,763         | -259,348                      | -103,837                        | 14,055,134                | 92.63%             | 0                             | 1,121,952                 | 1,035,227                     | 8,831    | 7,186                  |
| 11           |                   | 30              | 311,783            | 20,480              | 0                                  | 0              | 7,461          | 0                      | 283,842           | 77,763         | -206,079                      | -113,132                        | 13,849,055                | 91.27%             | 0                             | 1,121,952                 | 1,035,227                     | 8,806    | 7,358                  |
| 12           |                   | 36              | 337,163            | 20,477              | 0                                  | 0              | 7,208          | 0                      | 309,478           | 77,758         | -231,720                      | -123,014                        | 13,617,335                | 89.74%             | 0                             | 1,121,952                 | 1,035,227                     | 8,043    | 7,420                  |
| 13           |                   | 36              | 364,176            | 20,492              | 0                                  | 0              | 7,474          | 0                      | 336,210           | 77,763         | -271,533                      | -94,971                         | 13,858,888                | 91.33%             | 0                             | 1,121,952                 | 1,035,227                     | 8,794    | 7,552                  |
| 14           |                   | 31              | 329,866            | 20,481              | 0                                  | 0              | 7,233          | 0                      | 302,152           | 77,763         | -224,389                      | -104,215                        | 13,634,499                | 89.86%             | 0                             | 1,121,952                 | 1,035,227                     | 9,105    | 7,671                  |
| 15           |                   | 24              | 273,949            | 20,552              | 0                                  | 0              | 8,264          | 0                      | 245,133           | 77,763         | -167,370                      | -108,425                        | 13,467,129                | 88.75%             | 0                             | 1,121,952                 | 1,035,227                     | 9,431    | 7,771                  |
| 16           |                   | 41              | 401,834            | 20,464              | 0                                  | 0              | 10,134         | 0                      | 371,236           | 77,763         | -293,473                      | -119,991                        | 13,173,656                | 86.82%             | 0                             | 1,121,952                 | 1,035,227                     | 8,640    | 7,837                  |
| 17           |                   | 38              | 372,521            | 20,549              | 0                                  | 0              | 8,444          | 0                      | 343,528           | 77,763         | -265,765                      | -128,566                        | 12,907,891                | 85.07%             | 0                             | 1,121,952                 | 1,030,907                     | 8,550    | 7,880                  |
| 18           |                   | 31              | 322,209            | 20,478              | 0                                  | 0              | 8,544          | 0                      | 293,187           | 77,763         | -215,424                      | -133,391                        | 12,692,467                | 83.65%             | 0                             | 1,121,952                 | 1,026,587                     | 8,858    | 7,930                  |
| 19           |                   | 31              | 339,217            | 20,496              | 0                                  | 0              | 7,946          | 0                      | 310,775           | 77,763         | -233,012                      | -138,634                        | 12,459,455                | 82.11%             | 0                             | 1,121,952                 | 1,022,267                     | 9,407    | 8,006                  |
| 20           |                   | 43              | 445,712            | 23,567              | 0                                  | 0              | 10,063         | 0                      | 412,082           | 77,763         | -334,319                      | -148,418                        | 12,125,136                | 79.91%             | 0                             | 1,121,952                 | 1,020,107                     | 9,258    | 8,087                  |
| 21           |                   | 31              | 342,523            | 23,620              | 0                                  | 0              | 8,314          | 0                      | 310,589           | 77,763         | -232,826                      | -152,438                        | 11,892,310                | 78.37%             | 0                             | 1,121,952                 | 1,020,107                     | 9,513    | 8,152                  |
| 22           |                   | 31              | 293,889            | 22,074              | 0                                  | 0              | 8,552          | 0                      | 263,263           | 77,763         | -185,500                      | -153,941                        | 11,706,810                | 77.15%             | 0                             | 1,121,952                 | 1,020,107                     | 7,945    | 8,131                  |
| 23           |                   | 26              | 216,693            | 17,017              | 0                                  | 0              | 8,042          | 0                      | 191,634           | 77,763         | -113,871                      | -152,198                        | 11,592,940                | 76.40%             | 0                             | 1,121,952                 | 1,019,107                     | 6,503    | 8,058                  |
| 24           |                   | 25              | 230,577            | 17,035              | 0                                  | 0              | 7,865          | 0                      | 205,677           | 77,763         | -127,914                      | -151,187                        | 11,465,026                | 75.56%             | 0                             | 1,121,952                 | 1,018,107                     | 7,319    | 8,023                  |
| 25           |                   | 26              | 264,659            | 17,106              | 0                                  | 0              | 8,565          | 0                      | 238,988           | 77,763         | -161,225                      | -151,588                        | 11,303,801                | 74.50%             | 0                             | 1,121,952                 | 1,017,107                     | 8,348    | 8,028                  |
| 26           |                   | 30              | 317,052            | 18,110              | 0                                  | 0              | 9,000          | 0                      | 289,942           | 77,763         | -212,179                      | -153,919                        | 11,091,622                | 73.10%             | 0                             | 1,121,952                 | 1,016,107                     | 8,982    | 8,059                  |
| 27           | 25                |                 | 210,105            | 19,988              | 0                                  | 0              | 9,000          | 0                      | 181,117           | 77,763         | -103,354                      | -152,046                        | 10,988,268                | 72.42%             | 0                             | 1,121,952                 | 1,015,107                     | 6,500    |                        |
| 28           | 28                |                 | 243,605            | 19,988              | 0                                  | 0              | 9,000          | 0                      | 214,617           | 77,763         | -136,834                      | -151,503                        | 10,851,414                | 71.51%             | 0                             | 1,121,952                 | 1,014,107                     | 7,000    |                        |
| 29           | 30                |                 | 272,605            | 19,988              | 0                                  | 0              | 9,000          | 0                      | 243,617           | 77,763         | -165,854                      | -151,998                        | 10,685,560                | 70.42%             | 0                             | 1,121,952                 | 1,011,607                     | 7,500    |                        |
| 30           | 21                |                 | 205,105            | 19,988              | 0                                  | 0              | 9,000          | 0                      | 176,117           | 77,763         | -98,354                       | -150,210                        | 10,587,206                | 69.77%             | 0                             | 1,121,952                 | 1,009,107                     | 7,500    |                        |
| Totals       |                   | 832             | 8,181,507          | 605,312             | 0                                  | 0              | 239,478        | 0                      | 7,336,718         | 2,332,887      | -4,506,299                    |                                 | 10,587,206                |                    | 0                             |                           |                               |          |                        |

Base/Day 47605

Normal Average HDD's/Day 21.9000

Original EOM Target 11,093,505

Actual HDD's/Day 27.7333

Normal HDD's for November 657

ACCUWEATHER FORECAST  
EXCLUSIVELY FOR SOUTHERN UNION GAS

DAY: MONDAY

E: 27-NOV-2000

E: 08:00

|              | 27-NOV |    | 28-NOV |    | 29-NOV |    | 30-NOV |    | 01-DEC |    | 02-DEC |    | 03-DEC |    |
|--------------|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|
|              | HI     | LO | HI     | LO | HI     | LO | HI     | LO | HI     | LO | HI     | LO | HI     | LO |
| El Paso      | 68     | 34 | 66     | 34 | 62     | 36 | 67     | 38 | 68     | 37 | 60     | 34 | 63     | 33 |
| Midland      | 66     | 40 | 68     | 30 | 65     | 37 | 71     | 41 | 70     | 40 | 65     | 36 | 62     | 36 |
| Amarillo     | 62     | 32 | 57     | 25 | 54     | 31 | 63     | 34 | 63     | 32 | 55     | 30 | 57     | 35 |
| Austin/Mabry | 71     | 51 | 71     | 49 | 61     | 42 | 64     | 48 | 70     | 53 | 70     | 53 | 64     | 43 |
| Austin/Bergs | 72     | 52 | 72     | 50 | 62     | 43 | 65     | 49 | 71     | 54 | 71     | 54 | 65     | 43 |
| Galveston    | 70     | 58 | 70     | 54 | 60     | 47 | 60     | 53 | 69     | 60 | 69     | 57 | 66     | 52 |
| Beaumont     | 71     | 52 | 71     | 50 | 61     | 42 | 61     | 49 | 70     | 56 | 70     | 54 | 67     | 45 |
| Brownsville  | 78     | 62 | 80     | 63 | 68     | 56 | 70     | 56 | 76     | 58 | 80     | 60 | 75     | 49 |
| Kansas City  | 50     | 32 | 50     | 30 | 40     | 27 | 48     | 33 | 51     | 31 | 44     | 26 | 44     | 37 |
| St. Joseph   | 53     | 31 | 45     | 23 | 43     | 26 | 55     | 32 | 52     | 29 | 46     | 25 | 44     | 35 |
| Joplin Mo    | 53     | 37 | 55     | 28 | 47     | 29 | 58     | 36 | 58     | 34 | 53     | 33 | 50     | 37 |
| Daytona Bch  | 70     | 44 | 72     | 50 | 72     | 46 | 62     | 40 | 64     | 44 | 68     | 48 | 68     | 47 |
| Abilene      | 65     | 45 | 68     | 35 | 61     | 42 | 67     | 48 | 67     | 46 | 63     | 42 | 62     | 40 |
| San Antonio  | 74     | 54 | 73     | 48 | 62     | 43 | 65     | 50 | 70     | 54 | 70     | 49 | 67     | 42 |
| Wilkes Barre | 48     | 36 | 46     | 32 | 44     | 32 | 36     | 22 | 36     | 24 | 34     | 20 | 35     | 16 |

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27-NOV-2000 03

H09-7 24 30 25

## **VI. Through December 10<sup>th</sup>**

Williams Natural Gas Storage Analysis  
December 2000 Estimates  
Based on 9AM to 9AM Gas Day  
All Volumes in Dth

Estimated TSS Storage Balance 11/30/2000 10,314,343

| 14 Dec-00 | Forecast HDD's | Actual HDD's | Forecast Demand | KN @ 107th & Elm | KN @ Glavin (WNG) After Fuel | Served KPOC | Served PEPL | Off System Sales | WNG Obligation | WNG Flowing | TSS Daily With(-)/In(+) | TSS Average With(-)/In(+) | TSS Storage Balance | TSS % OF MSQ | FSS Daily With(-)/In(+) | FSS Storage Balance | PEPL/WVS Storage Balance | Cumulative Heat/HDD |
|-----------|----------------|--------------|-----------------|------------------|------------------------------|-------------|-------------|------------------|----------------|-------------|-------------------------|---------------------------|---------------------|--------------|-------------------------|---------------------|--------------------------|---------------------|
|           |                |              |                 |                  |                              |             |             |                  |                |             | 38,390                  |                           |                     |              |                         |                     |                          |                     |
| 1         |                | 33           | 323,632         | 32,835           | 0                            | 10,007      | 12,431      | 0                | 268,359        | 230,981     | -37,379                 | -37,379                   | 10,276,964          | 66.93%       | 0                       | 1,121,952           | 998,540                  | 8,364               |
| 2         |                | 39           | 363,893         | 32,923           | 0                            | 10,022      | 12,481      | 0                | 308,467        | 230,981     | -77,486                 | -57,432                   | 10,199,478          | 66.42%       | 0                       | 1,121,952           | 992,131                  | 8,110               |
| 3         |                | 33           | 332,394         | 32,673           | 0                            | 10,049      | 12,280      | 0                | 277,392        | 230,981     | -46,411                 | -53,759                   | 10,153,067          | 66.12%       | 0                       | 1,121,952           | 985,722                  | 8,630               |
| 4         |                | 31           | 310,857         | 31,706           | 0                            | 9,976       | 13,193      | 0                | 255,982        | 230,981     | -25,001                 | -46,569                   | 10,128,066          | 65.96%       | 0                       | 1,121,952           | 979,313                  | 8,492               |
| 5         |                | 41           | 392,136         | 31,812           | 0                            | 10,007      | 14,703      | 0                | 335,614        | 230,981     | -104,634                | -58,182                   | 10,023,432          | 65.27%       | 0                       | 1,121,952           | 972,903                  | 8,403               |
| 6         |                | 34           | 359,933         | 32,183           | 0                            | 10,023      | 15,576      | 0                | 302,147        | 230,981     | -71,167                 | -60,346                   | 9,952,265           | 64.81%       | 0                       | 1,121,952           | 966,493                  | 9,186               |
| 7         |                | 20           | 227,764         | 31,616           | 0                            | 10,369      | 16,006      | 0                | 169,773        | 230,981     | 58,484                  | -43,370                   | 10,010,750          | 65.19%       | 0                       | 1,121,952           | 960,083                  | 9,008               |
| 8         |                | 31           | 311,590         | 31,597           | 0                            | 10,149      | 16,215      | 0                | 253,629        | 230,981     | -22,648                 | -40,780                   | 9,988,102           | 65.04%       | 0                       | 1,121,952           | 953,673                  | 8,516               |
| 9         |                | 26           | 205,710         | 31,639           | 0                            | 11,116      | 14,816      | 0                | 148,139        | 230,981     | 79,155                  | -27,454                   | 10,067,257          | 65.56%       | 0                       | 1,121,952           | 947,263                  | 6,081               |
| 10        |                | 46           | 424,180         | 31,576           | 0                            | 10,944      | 14,436      | 0                | 367,224        | 230,981     | -136,243                | -38,333                   | 9,931,014           | 64.67%       | 0                       | 1,121,952           | 940,853                  | 8,186               |
| 11        | 59             |              | 696,605         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 628,248        | 230,981     | -397,267                | -70,963                   | 9,533,746           | 62.09%       | 0                       | 1,121,952           | 958,853                  | 11,000              |
| 12        | 55             |              | 652,605         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 584,248        | 230,981     | -353,267                | -94,489                   | 9,180,479           | 59.78%       | 0                       | 1,121,952           | 976,853                  | 11,000              |
| 13        | 51             |              | 583,105         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 514,748        | 230,981     | -283,767                | -109,049                  | 8,896,712           | 57.94%       | 0                       | 1,121,952           | 994,853                  | 10,500              |
| 14        | 49             |              | 562,105         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 493,748        | 230,981     | -262,767                | -120,028                  | 8,633,945           | 56.23%       | 0                       | 1,121,952           | 1,012,853                | 10,500              |
| 15        | 35             |              | 380,105         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 311,748        | 230,981     | -80,767                 | -117,411                  | 8,553,177           | 55.70%       | 0                       | 1,121,952           | 1,030,853                | 9,500               |
| 16        | 35             |              | 380,105         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 311,748        | 230,981     | -80,767                 | -115,121                  | 8,472,410           | 55.17%       | 0                       | 1,121,952           | 1,048,853                | 9,500               |
| 17        | 39             |              | 418,105         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 349,748        | 230,981     | -118,767                | -115,335                  | 8,353,643           | 54.40%       | 0                       | 1,121,952           | 1,066,853                | 9,500               |
| 18        | 36             |              | 389,605         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 321,248        | 230,981     | -90,267                 | -113,943                  | 8,263,376           | 53.81%       | 0                       | 1,121,952           | 1,084,853                | 9,500               |
| 19        | 33             |              | 361,105         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 292,748        | 230,981     | -61,767                 | -111,197                  | 8,201,608           | 53.41%       | 0                       | 1,121,952           | 1,102,853                | 9,500               |
| 20        | 35             |              | 380,105         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 311,748        | 230,981     | -80,767                 | -109,675                  | 8,120,841           | 52.88%       | 0                       | 1,121,952           | 1,120,853                | 9,500               |
| 21        | 38             |              | 408,605         | 32,516           | 0                            | 9,997       | 25,844      | 0                | 340,248        | 230,981     | -109,267                | -109,656                  | 8,011,574           | 52.17%       | 0                       | 1,121,952           | 1,138,853                | 9,500               |
| 22        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| 23        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| 24        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| 25        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| 26        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| 27        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| 28        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| 29        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| 30        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| 31        |                |              | N/A             | 32,516           | 0                            | 9,997       | 25,844      | 0                | N/A            | 230,981     | N/A                     | N/A                       | N/A                 | N/A          | 0                       | N/A                 | N/A                      | 9,500               |
| Totals    |                | 799          | 8,464,245       | 1,003,405        | 0                            | 312,593     | 684,861     | 0                | 7,146,955      | 7,160,404   | -2,302,769              |                           | 8,011,574           |              | 0                       |                     |                          |                     |

Base/Day 47605 Normal Average HDD's/Day 34,6129 EOM Target 7,771,317  
Actual HDD's/Day 57,0714  
Normal HDD's for November 1073

| 14<br>Dec-00 | Forecast<br>HDD's | Actual<br>HDD's | Forecast<br>Demand | KN @<br>107th & Elm | KN @<br>Glavin (WNG)<br>After Fuel | Served<br>KPOC | Served<br>PEPL | Off<br>System<br>Sales | WNG<br>Obligation | WNG<br>Flowing | TSS<br>Daily<br>With(-)/In(+) | TSS<br>Average<br>With(-)/In(+) | TSS<br>Storage<br>Balance | TSS<br>% OF<br>MSQ | FSS<br>Daily<br>With(-)/In(+) | FSS<br>Storage<br>Balance | PEPL/WVS<br>Storage<br>Balance | Heat/HDD | Cumulative<br>Heat/HDD |
|--------------|-------------------|-----------------|--------------------|---------------------|------------------------------------|----------------|----------------|------------------------|-------------------|----------------|-------------------------------|---------------------------------|---------------------------|--------------------|-------------------------------|---------------------------|--------------------------------|----------|------------------------|
|              |                   |                 |                    |                     |                                    |                |                |                        |                   |                | 38,390                        |                                 |                           |                    |                               |                           |                                |          |                        |
| 1            |                   | 33              | 323,632            | 32,835              | 0                                  | 10,007         | 12,431         | 0                      | 268,359           | 230,981        | -37,379                       | -37,379                         | 10,276,964                | 66.93%             | 0                             | 1,121,952                 | 998,540                        | 8,364    | 8,364                  |
| 2            |                   | 39              | 363,893            | 32,923              | 0                                  | 10,022         | 12,481         | 0                      | 308,467           | 230,981        | -77,486                       | -37,432                         | 10,199,478                | 66.42%             | 0                             | 1,121,952                 | 992,131                        | 8,110    | 8,227                  |
| 3            |                   | 33              | 332,394            | 32,673              | 0                                  | 10,049         | 12,280         | 0                      | 277,392           | 230,981        | -46,411                       | -53,759                         | 10,153,067                | 66.12%             | 0                             | 1,121,952                 | 985,722                        | 8,630    | 8,353                  |
| 4            |                   | 31              | 310,857            | 31,706              | 0                                  | 9,976          | 13,193         | 0                      | 255,982           | 230,981        | -25,001                       | -46,569                         | 10,128,066                | 65.96%             | 0                             | 1,121,952                 | 979,313                        | 8,492    | 8,385                  |
| 5            |                   | 41              | 392,136            | 31,812              | 0                                  | 10,007         | 14,703         | 0                      | 335,614           | 230,981        | -104,634                      | -58,182                         | 10,023,432                | 65.27%             | 0                             | 1,121,952                 | 972,903                        | 8,403    | 8,389                  |
| 6            |                   | 34              | 359,933            | 32,185              | 0                                  | 10,025         | 15,576         | 0                      | 302,147           | 230,981        | -71,167                       | -60,346                         | 9,952,265                 | 64.81%             | 0                             | 1,121,952                 | 966,493                        | 9,186    | 8,518                  |
| 7            |                   | 20              | 229,007            | 31,616              | 0                                  | 10,024         | 14,436         | 0                      | 172,931           | 230,981        | 55,466                        | -43,802                         | 10,007,732                | 65.17%             | 0                             | 1,121,952                 | 960,083                        | 9,070    | 8,565                  |
| 8            | 37                |                 | 399,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 342,156           | 230,981        | -111,175                      | -52,223                         | 9,896,557                 | 64.45%             | 0                             | 1,121,952                 | 953,673                        | 9,500    |                        |
| 9            | 31                |                 | 342,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 285,156           | 230,981        | -54,175                       | -52,440                         | 9,842,381                 | 64.10%             | 0                             | 1,121,952                 | 947,263                        | 9,500    |                        |
| 10           | 30                |                 | 332,605            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 275,656           | 230,981        | -44,675                       | -51,664                         | 9,797,706                 | 63.80%             | 0                             | 1,121,952                 | 940,853                        | 9,500    |                        |
| 11           | 51                |                 | 532,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 475,156           | 230,981        | -244,175                      | -69,165                         | 9,553,531                 | 62.21%             | 0                             | 1,121,952                 | 934,443                        | 9,500    |                        |
| 12           | 52                |                 | 541,605            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 484,656           | 230,981        | -253,675                      | -84,541                         | 9,299,855                 | 60.56%             | 0                             | 1,121,952                 | 928,033                        | 9,500    |                        |
| 13           | 48                |                 | 503,605            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 446,656           | 230,981        | -215,675                      | -94,628                         | 9,084,180                 | 59.16%             | 0                             | 1,121,952                 | 921,623                        | 9,500    |                        |
| 14           | 46                |                 | 484,605            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 427,656           | 230,981        | -196,675                      | -101,917                        | 8,887,505                 | 57.88%             | 0                             | 1,121,952                 | 915,213                        | 9,500    |                        |
| 15           | 51                |                 | 532,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 475,156           | 230,981        | -244,175                      | -111,401                        | 8,643,330                 | 56.29%             | 0                             | 1,121,952                 | 908,803                        | 9,500    |                        |
| 16           | 44                |                 | 465,605            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 408,656           | 230,981        | -177,675                      | -115,543                        | 8,465,654                 | 55.13%             | 0                             | 1,121,952                 | 902,393                        | 9,500    |                        |
| 17           | 42                |                 | 446,605            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 389,656           | 230,981        | -158,675                      | -118,080                        | 8,306,979                 | 54.10%             | 0                             | 1,121,952                 | 895,983                        | 9,500    |                        |
| 18           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 19           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 20           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 21           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 22           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 23           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 24           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 25           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 26           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 27           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 28           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 29           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 30           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| 31           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 9,500    |                        |
| Totals       |                   | 663             | 6,891,903          | 1,006,142           | 0                                  | 310,029        | 441,564        | 0                      | 5,931,454         | 7,160,404      | -2,007,364                    |                                 | 8,306,979                 |                    | 0                             |                           |                                |          |                        |

Base/Day 47605

Normal Average HDD's/Day 34.6129

EOM Target 7,771,317

Actual HDD's/Day 47.3571

Normal HDD's for November 1073

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| 14<br>Dec-00 | Forecast<br>HDD's | Actual<br>HDD's | Forecast<br>Demand | KN @<br>107th & Elm | KN @<br>Glavin (WNG)<br>After Fuel | Served<br>KPOC | Served<br>PEPL | Off<br>System<br>Sales | WNG<br>Obligation | WNG<br>Flowing | TSS<br>Daily<br>With(-)/In(+) | TSS<br>Average<br>With(-)/In(+) | TSS<br>Storage<br>Balance | TSS<br>% OF<br>MSQ | FSS<br>Daily<br>With(-)/In(+) | FSS<br>Storage<br>Balance | PEPL/WS<br>Storage<br>Balance | Heat/HDD | Cumulative<br>Heat/HDD |
|--------------|-------------------|-----------------|--------------------|---------------------|------------------------------------|----------------|----------------|------------------------|-------------------|----------------|-------------------------------|---------------------------------|---------------------------|--------------------|-------------------------------|---------------------------|-------------------------------|----------|------------------------|
|              |                   |                 |                    |                     |                                    |                |                |                        |                   |                | 38,390                        |                                 |                           |                    |                               |                           |                               |          |                        |
| 1            |                   | 33              | 323,632            | 32,835              | 0                                  | 10,007         | 12,431         | 0                      | 268,359           | 230,981        | -37,379                       | -37,379                         | 10,276,964                | 66.93%             | 0                             | 1,121,952                 | 998,540                       | 8,364    | 8,364                  |
| 2            |                   | 39              | 363,893            | 32,923              | 0                                  | 10,022         | 12,481         | 0                      | 308,467           | 230,981        | -77,486                       | -57,432                         | 10,199,478                | 66.42%             | 0                             | 1,121,952                 | 992,131                       | 8,110    | 8,227                  |
| 3            |                   | 33              | 332,394            | 32,673              | 0                                  | 10,049         | 12,280         | 0                      | 277,392           | 230,981        | -46,411                       | -53,759                         | 10,153,067                | 66.12%             | 0                             | 1,121,952                 | 985,722                       | 8,630    | 8,353                  |
| 4            |                   | 31              | 310,857            | 31,706              | 0                                  | 9,976          | 13,193         | 0                      | 255,982           | 230,981        | -25,001                       | -46,569                         | 10,128,066                | 65.96%             | 0                             | 1,121,952                 | 979,313                       | 8,492    | 8,385                  |
| 5            |                   | 41              | 399,301            | 31,812              | 0                                  | 10,007         | 14,703         | 0                      | 342,779           | 230,981        | -111,799                      | -59,615                         | 10,016,267                | 65.23%             | 0                             | 1,121,952                 | 972,903                       | 8,578    | 8,430                  |
| 6            |                   | 34              | 362,476            | 31,812              | 0                                  | 10,025         | 14,436         | 0                      | 306,203           | 230,981        | -75,222                       | -62,216                         | 9,941,045                 | 64.74%             | 0                             | 1,121,952                 | 966,493                       | 9,261    | 8,564                  |
| 7            | 26                |                 | 294,605            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 237,656           | 230,981        | -6,675                        | -54,282                         | 9,934,370                 | 64.69%             | 0                             | 1,121,952                 | 960,083                       | 9,500    |                        |
| 8            | 37                |                 | 399,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 342,156           | 230,981        | -111,175                      | -61,394                         | 9,823,194                 | 63.97%             | 0                             | 1,121,952                 | 953,673                       | 9,500    |                        |
| 9            | 30                |                 | 332,605            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 275,656           | 230,981        | -44,675                       | -59,536                         | 9,778,519                 | 63.68%             | 0                             | 1,121,952                 | 947,263                       | 9,500    |                        |
| 10           | 26                |                 | 294,605            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 237,656           | 230,981        | -6,675                        | -54,250                         | 9,771,844                 | 63.64%             | 0                             | 1,121,952                 | 940,853                       | 9,500    |                        |
| 11           | 37                |                 | 399,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 342,156           | 230,981        | -111,175                      | -59,425                         | 9,660,669                 | 62.91%             | 0                             | 1,121,952                 | 934,443                       | 9,500    |                        |
| 12           | 53                |                 | 551,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 494,156           | 230,981        | -263,175                      | -76,404                         | 9,397,493                 | 61.20%             | 0                             | 1,121,952                 | 928,033                       | 9,500    |                        |
| 13           | 47                |                 | 494,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 437,156           | 230,981        | -206,175                      | -86,387                         | 9,191,318                 | 59.86%             | 0                             | 1,121,952                 | 921,623                       | 9,500    |                        |
| 14           | 49                |                 | 513,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 456,156           | 230,981        | -225,175                      | -96,300                         | 8,966,143                 | 58.39%             | 0                             | 1,121,952                 | 915,213                       | 9,500    |                        |
| 15           | 49                |                 | 513,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 456,156           | 230,981        | -225,175                      | -104,892                        | 8,740,967                 | 56.92%             | 0                             | 1,121,952                 | 908,803                       | 9,500    |                        |
| 16           | 43                |                 | 456,105            | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | 399,156           | 230,981        | -168,175                      | -108,847                        | 8,572,792                 | 55.83%             | 0                             | 1,121,952                 | 902,393                       | 9,500    |                        |
| 17           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 18           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 19           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 20           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 21           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 22           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 23           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 24           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 25           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 26           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 27           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 28           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 29           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 30           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| 31           |                   |                 | N/A                | 32,516              | 0                                  | 9,997          | 14,436         | 0                      | N/A               | 230,981        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                           | 9,500    |                        |
| Totals       |                   | 608             | 6,340,104          | 1,006,670           | 0                                  | 310,001        | 440,424        | 0                      | 5,437,243         | 7,160,404      | -1,741,551                    |                                 | 8,572,792                 |                    | 0                             |                           |                               |          |                        |

Base/Day 47605

Normal Average HDD's/Day 34.6129

EOM Target 7,771,317

Actual HDD's/Day 43.4286

Normal HDD's for November 1073

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C.

# MGE December 2000 Incremental Volumes and Prices

| <u>Date</u> | <u>Volume</u> | <u>Price</u> | <u>Cost</u>    | <u>Price Calculation</u>          | <u>Pipeline</u> |
|-------------|---------------|--------------|----------------|-----------------------------------|-----------------|
| 12/11/00    | 36,505        | \$11.2426    | \$410,411.11   | Duke Cost                         | KMIGT           |
| 12/12/00    | 4,137         | \$11.5147    | \$47,636.31    | 102% of WNG GDD (+Transportation) | KMIGT           |
| 12/12/00    | 19,999        | \$11.1129    | \$222,246.89   | 102% of WNG GDD                   | KMIGT           |
| 12/16/00    | 19,341        | \$8.1396     | \$157,428.00   | 102% of WNG GDD                   | KMIGT           |
| 12/17/00    | 19,341        | \$8.1396     | \$157,428.00   | 102% of WNG GDD                   | KMIGT           |
| 12/18/00    | 19,341        | \$8.1396     | \$157,428.00   | 102% of WNG GDD                   | KMIGT           |
| 12/19/00    | 19,341        | \$9.7563     | \$188,696.60   | 102% of WNG GDD                   | KMIGT           |
| 12/20/00    | 19,341        | \$9.4758     | \$183,271.45   | 102% of WNG GDD                   | KMIGT           |
| 12/21/00    | 19,341        | \$10.5519    | \$204,084.30   | 102% of WNG GDD                   | KMIGT           |
| 12/22/00    | 19,341        | \$11.7555    | \$227,363.13   | 102% of WNG GDD                   | KMIGT           |
| 12/23/00    | 19,341        | \$11.6229    | \$224,798.51   | 102% of WNG GDD                   | KMIGT           |
| 12/24/00    | 19,341        | \$11.6229    | \$224,798.51   | 102% of WNG GDD                   | KMIGT           |
| 12/25/00    | 19,341        | \$11.6229    | \$224,798.51   | 102% of WNG GDD                   | KMIGT           |
| 12/26/00    | 19,341        | \$11.6229    | \$224,798.51   | 102% of WNG GDD                   | KMIGT           |
| 12/27/00    | 19,341        | \$10.6386    | \$205,761.16   | 102% of WNG GDD                   | KMIGT           |
| 12/28/00    | 19,341        | \$9.9042     | \$191,557.13   | 102% of WNG GDD                   | KMIGT           |
| 12/29/00    | 19,341        | \$9.5574     | \$184,849.67   | 102% of WNG GDD                   | KMIGT           |
| 12/30/00    | 19,341        | \$9.6798     | \$187,217.01   | 102% of WNG GDD                   | KMIGT           |
| 12/31/00    | 19,341        | \$9.6798     | \$187,217.01   | 102% of WNG GDD                   | KMIGT           |
| 12/11/00    | 12436         | \$10.4300    | \$129,707.48   | Fixed                             | PEPL            |
| 12/12/00    | 12436         | \$11.1129    | \$138,200.02   | 102% of WNG GDD                   | PEPL            |
| 12/11/00    | 9000          | \$10.4300    | \$93,870.00    | Fixed                             | Transok         |
| TOTAL       | 403,969       |              | \$4,173,567.33 |                                   |                 |
| WACOG       | \$10.33       |              |                |                                   |                 |

## **VII. December 19<sup>th</sup> and 20<sup>th</sup>**

**Ken Hubbard**

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**From:** David Twichell  
**To:** Brenda Trombetta; Danny Silberman; Ken Hubbard; Liz Smith; Mark Homestead  
**Cc:** Mike Langston  
**Subject:** January SD Summary  
**Date:** Wednesday, December 20, 2000 5:31PM  
**Priority:** High

<<File Attachment: SD2001JA.XLS>>

To help mitigate strong pulls on storage during November and December, additional flowing gas has been added to Kansas Pipeline and PEPL. The Williams storage number has been adjusted accordingly. Please discard any previous versions and replace with this one.

Mark-

Due to contractual constraints, the net increase on KPC is 23,893 delivered instead of the 25,000 Dth we discussed. The net increase on PEPL is 9,000 Dth. These adjustments, plus fuel, are reflected in the supply to be purchased. Please call if you have any questions.

Thanks,

D. Twichell

**MISSOURI GAS ENERGY**  
SUPPLY / DEMAND SUMMARY  
January 2001 - Final

10,150,000  
11,420,000 Total  
3,160,000  
4,160,000  
1,000,000  
1,000,000  
1,000,000

13,893,421 Monthly Total  
448,175 Daily Average  
1218 HDD's

FGP - 306018 Dth of 78 HDDs

WGPC CUSTOMER DEMAND  
WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 243,813

| MONTHLY PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY |
|-----------------|--------------------|-------------|
| 285,358         | 7,618              | 243,621     |
| -49,355         | 0                  | 0           |
| 0               | 0                  | 0           |
| 236,003         | 7,618              | 243,621     |
| 28,962          | 481                | 22,818      |
| -6,615          | 0                  | 0           |
| 22,337          | 481                | 22,818      |
| 0               | 0                  | 0           |
| 0               | 0                  | 0           |
| 70,500          | 2,406              | 72,906      |
| 70,500          | 2,406              | 72,906      |
| 19,472          | 901                | 20,373      |
| 19,472          | 901                | 20,373      |
| 43,893          | 1,630              | 45,523      |
| 43,893          | 1,630              | 45,523      |
| 392,205         | 13,036             | 405,241     |

PEPL CUSTOMER DEMAND  
PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (7,237 OS, 6,715 WB, 5,000 BL, 10,000 Dodson)  
Storage With Nominate 6689 Dth/d

PEPL @ PONY EXPRESS  
SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND  
SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN  
SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND  
SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

**ASSIGNED TERM SUPPLIES**

31  
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

| MINIMUMS/D | MAXIMUMS/D | PLAND  |
|------------|------------|--------|
| 0          | 0          | 17,808 |
| 0          | 0          | 15,000 |
| 0          | 0          | 22,500 |
| 0          | 0          | 55,308 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

**ONEOK TERM SUPPLIES**

ONEOK @ PXP CHEYENNE

|   |   |       |
|---|---|-------|
| 0 | 0 | 1,000 |
| 0 | 0 | 1,000 |

SUB-TOTAL ONEOK TERM SUPPLIES

**DUKE TERM SUPPLIES**

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

|   |   |         |
|---|---|---------|
| 0 | 0 | 25,535  |
| 0 | 0 | 92,279  |
| 0 | 0 | 162,778 |
| 0 | 0 | 22,818  |
| 0 | 0 | 45,523  |
| 0 | 0 | 0       |
| 0 | 0 | 348,933 |

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806

| Echo, New Capacity (Includes Production Fuel) |        |
|-----------------------------------------------|--------|
| Amoco                                         | 17,808 |
| Oxy                                           | 15,000 |
| Duke                                          | 25,535 |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
| Total Supply                                  | 58,343 |
| Total Remaining                               | 0      |

| WNG PEAK DAY REQUIREMENT (Net of Fuel) |          |
|----------------------------------------|----------|
| WNG FULL TRANSPORT                     | 737,626  |
| LESS MAX STORAGE WITHDRAWAL            | -493,813 |
| FLOWING GAS NEEDS                      | 243,813  |
| WNG NOMINATED                          | -236,003 |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
| PEAK DAY NEEDS                         | 7,810    |

13,893,421  
1,736,000  
12,157,421



TOTAL  
MONTHLY

7,552,251

0

0

7,552,251

707,358

0

707,358

0

0

2,260,086

2,260,086

631,563

631,563

1,411,213

1,411,213

12,562,471

PLANNO

552,048

465,000

697,500

1,714,548

31,000

31,000

791,585

2,860,649

5,046,118

707,358

1,411,213

0

10,816,923

12,562,471

0

25,000

**Ken Hubbard**

---

**From:** David Twichell  
**To:** Brenda Trombetta; Danny Silberman; Ken Hubbard; Liz Smith; Mark Homestead  
**Cc:** Mike Langston  
**Subject:** January SD Summary  
**Date:** Tuesday, December 19, 2000 2:17PM  
**Priority:** High

<<File Attachment: SD2001JA.XLS>>

Attached is the draft SD Summary for January 2001.

Mark-

Please review considering Mike's comments during our teleconference today. Please let me know your thoughts as to how Duke prefers to move this gas by the end of business on Wednesday, December 20th. This will allow me to make changes and distribute a final version prior to the holidays. Please call if you have any questions.

Thanks,

D.. Twichell

**MISSOURI GAS ENERGY**  
SUPPLY / DEMAND SUMMARY  
January 2001 - Draft

January Demand

13,893,421 Monthly Total  
448,175 Daily Average  
1218 HDD's

DDP - 873438 Dth or 79 HDDs

WGPC CUSTOMER DEMAND  
WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With  
PRD Available 243,813

Avg (7237 OS, 6715 WB, 5000 BL, 1000 KC)  
Storage With Nominata 9889 bbls

PEPL CUSTOMER DEMAND  
PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

PEPL @ PONY EXPRESS  
SUB-TOTAL PEPL @ PONY EXPRESS

FXP CUSTOMER DEMAND  
SUB-TOTAL PONY DEMAND

FXP @ WGPC GLAVIN  
SUB-TOTAL FXP @ WGPC GLAVIN

KPC CUSTOMER DEMAND  
SUB-TOTAL KPC DEMAND

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY |
|---------------|--------------------|-------------|
| 318,251       | 7,305              | 233,621     |
| -91,935       | 0                  | 0           |
| 0             | 0                  | 0           |
| 226,316       | 7,305              | 233,621     |
| 19,952        | 287                | 13,624      |
| -5,615        | 0                  | 0           |
| 13,337        | 287                | 13,624      |
| 0             | 0                  | 0           |
| 0             | 0                  | 0           |
| 70,500        | 2,406              | 72,906      |
| 70,500        | 2,406              | 72,906      |
| 19,472        | 901                | 20,373      |
| 19,472        | 901                | 20,373      |
| 20,000        | 743                | 20,743      |
| 20,000        | 743                | 20,743      |
| 343,625       | 11,642             | 361,267     |

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

**ASSIGNED TERM SUPPLIES**

31  
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ WILLIAMS PRODUCTION PONTS

GP 30002  
GP 30003  
GP 30003

| MINIMUMS/D | MAXIMUMS/D | PLAND  |
|------------|------------|--------|
| 0          | 0          | 17,808 |
| 0          | 0          | 15,000 |
| 0          | 0          | 22,500 |
| 0          | 0          | 55,308 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

**ONEOK TERM SUPPLIES**

ONEOK @ FXP CHEYENNE

|   |   |       |
|---|---|-------|
| 0 | 0 | 1,000 |
| 0 | 0 | 1,000 |

SUB-TOTAL ONEOK TERM SUPPLIES

**DUKE TERM SUPPLIES**

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

|   |   |         |
|---|---|---------|
| 0 | 0 | 25,535  |
| 0 | 0 | 92,279  |
| 0 | 0 | 162,778 |
| 0 | 0 | 13,624  |
| 0 | 0 | 20,743  |
| 0 | 0 | 0       |
| 0 | 0 | 314,959 |

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

0 0 371,267

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

10,000

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806

| Echo - New Capacity (Includes Production Fuel) |        |
|------------------------------------------------|--------|
| Amoco                                          | 17,808 |
| Oxy                                            | 15,000 |
| Duke                                           | 25,535 |
|                                                | 0      |
|                                                | 0      |
|                                                | 0      |
|                                                | 0      |
| Total Supply                                   | 58,343 |
| Total Remaining                                | 0      |

| WNG PEAK DAY REQUIREMENT (Net of Fuel) |          |
|----------------------------------------|----------|
| WNG FULL TRANSPORT                     | 737,626  |
| LESS MAX STORAGE WITHDRAWAL            | -493,813 |
| FLOWING GAS NEEDS                      | 243,813  |
| WNG NOMINATED                          | -236,003 |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
| PEAK DAY NEEDS                         | 7,810    |



TOTAL  
MONTHLY

7,242,251

0

7,242,251

422,344

0

422,344

0

0

2,260,086

2,260,086

631,563

631,563

643,033

643,033

11,199,277

PLANING

552,048

465,000

697,500

1,714,548

31,000

31,000

791,585

2,860,649

5,046,118

422,344

643,033

0

9,763,729

11,509,277

310,000

25,000

**URI GAS ENERGY**  
DEMAND SUMMARY  
2001 - Draft

January Demand

13,893,421 Monthly Total  
448,175 Daily Average  
1218 HDD's

POP = 843,438 Dth or 74 HDD's

**CUSTOMER DEMAND**

SS STORAGE INJECTION (+)/WITHDRAWAL (-)  
SS STORAGE INJECTION (+)/WITHDRAWAL (-)  
AL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 243,813

**CUSTOMER DEMAND**

SS STORAGE INJECTION (+)/WITHDRAWAL (-)  
AL PEPL DEMAND

Avg (7237 OS, 6715 WB, 5000 BL, 1000 KC)  
Storage With Nominate 6689 Dth/d

**ONLY EXPRESS**

AL PEPL @ PONY EXPRESS

Delivered 107th & Elm

**CUSTOMER DEMAND**

AL PONY DEMAND

Delivered 107th & Elm

**IPC GLAVIN**

AL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

**CUSTOMER DEMAND**

AL KPOC DEMAND

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
|---------------|--------------------|-------------|---------------|
| 318,251       | 7,305              | 233,621     | 7,242,251     |
| -91,905       | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 226,316       | 7,305              | 233,621     | 7,242,251     |
| 19,952        | 287                | 13,624      | 422,344       |
| -6,615        | 0                  | 0           | 0             |
| 13,337        | 287                | 13,624      | 422,344       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 70,500        | 2,406              | 72,906      | 2,260,086     |
| 70,500        | 2,406              | 72,906      | 2,260,086     |
| 19,472        | 901                | 20,373      | 631,563       |
| 19,472        | 901                | 20,373      | 631,563       |
| 20,000        | 743                | 20,743      | 643,033       |
| 20,000        | 743                | 20,743      | 643,033       |
| 349,625       | 11,642             | 361,267     | 11,199,277    |

TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

**TERM SUPPLIES**

GY TRADING - T/S @ ECHO SPRINGS  
T/S @ ECHO SPRINGS  
T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

31  
REASON

| MINIMUMS/D | MAXIMUMS/D | PLAN/D | PLAN/MO   |
|------------|------------|--------|-----------|
| 0          | 0          | 17,808 | 552,048   |
| 0          | 0          | 15,000 | 465,000   |
| 0          | 0          | 22,500 | 697,500   |
| 0          | 0          | 55,308 | 1,714,548 |

ASSIGNED TERM SUPPLIES

**TERM SUPPLIES**

CHEYENNE

0 0 1,000 31,000

ONEOK TERM SUPPLIES

0 0 1,000 31,000

**SUPPLIES**

ECHO SPRINGS  
@ CHEYENNE

Includes deliveries to KGS @ WNG Point 24280

0 0 25,535 791,585  
0 0 92,278 2,860,649  
0 0 152,778 4,736,118  
0 0 13,624 422,344  
0 0 20,743 643,033  
0 0 0 0

NE

@ MIAMI

LIKE TERM SUPPLIES

0 0 304,959 9,453,729

TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

0 0 361,267 11,199,277

BY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

0 0

Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806 25,000

|                                   |        |
|-----------------------------------|--------|
| Supply (Includes Production/Flow) | 17,808 |
|                                   | 15,000 |
|                                   | 25,535 |
|                                   | 0      |
|                                   | 0      |
|                                   | 0      |
|                                   | 0      |
|                                   | 58,343 |
|                                   | 0      |

|                                    |          |
|------------------------------------|----------|
| WNG PEAK DAY REQUIREMENT (MMBTU/d) | 737,626  |
| WNG FULL TRANSPORT                 | 737,626  |
| LESS MAX STORAGE WITHDRAWAL        | -493,813 |
| FLOWING GAS NEEDS                  | 243,813  |
| WNG NOMINATED                      | -226,316 |
|                                    | 0        |
|                                    | 0        |
|                                    | 0        |
|                                    | 0        |
| PEAK DAY NEEDS                     | 17,497   |

**MISSOURI GAS ENERGY**  
SUPPLY / DEMAND SUMMARY  
January 2001 - Draft

January Demand

13,893,421 Monthly Total  
448,175 Daily Average  
1218 HDD's

**WGPC CUSTOMER DEMAND**

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With: Nominale 0 (Zero)  
PRD Available: 243,813

**PEPL CUSTOMER DEMAND**

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (7237 OS, 6715 VVB, 5000 BL, 1000 KC)  
Storage With: Nominale 6689 Dth/d

**PEPL @ PONY EXPRESS**

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

**PXP CUSTOMER DEMAND**

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

**PXP @ WGPC GLAVIN**

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

**KPC CUSTOMER DEMAND**

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
|---------------|--------------------|-------------|---------------|
| 318,251       | 7,305              | 233,621     | 7,242,251     |
| -91,935       | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 226,316       | 7,305              | 233,621     | 7,242,251     |
| 19,952        | 287                | 13,624      | 422,344       |
| -6,615        | 0                  | 0           | 0             |
| 13,337        | 287                | 13,624      | 422,344       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 70,500        | 2,406              | 72,906      | 2,260,086     |
| 70,500        | 2,406              | 72,906      | 2,260,086     |
| 19,472        | 901                | 20,373      | 631,563       |
| 19,472        | 901                | 20,373      | 631,563       |
| 20,000        | 743                | 20,743      | 643,033       |
| 20,000        | 743                | 20,743      | 643,033       |
| 349,625       | 11,642             | 361,267     | 11,199,277    |

ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

31  
REASON

| MINIMUMS/D | MAXIMUMS/D | PLAND  | PLANMO    |
|------------|------------|--------|-----------|
| 0          | 0          | 17,808 | 552,048   |
| 0          | 0          | 15,000 | 465,000   |
| 0          | 0          | 22,500 | 697,500   |
| 0          | 0          | 55,308 | 1,714,548 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

|   |   |       |        |
|---|---|-------|--------|
| 0 | 0 | 1,000 | 31,000 |
| 0 | 0 | 1,000 | 31,000 |

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

|   |   |         |           |
|---|---|---------|-----------|
| 0 | 0 | 25,535  | 791,585   |
| 0 | 0 | 92,278  | 2,860,649 |
| 0 | 0 | 152,778 | 4,736,118 |
| 0 | 0 | 13,624  | 422,344   |
| 0 | 0 | 20,743  | 643,033   |
| 0 | 0 | 0       | 0         |
| 0 | 0 | 304,959 | 9,453,729 |

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806 25,000

| Source          | Capacity (Includes Production Fair) |
|-----------------|-------------------------------------|
| Amoco           | 17,808                              |
| Oxy             | 15,000                              |
| Duke            | 25,535                              |
|                 | 0                                   |
|                 | 0                                   |
|                 | 0                                   |
|                 | 0                                   |
|                 | 0                                   |
| Total Supply    | 58,343                              |
| Total Remaining | 0                                   |

| WNG PEAK DAY REQUIREMENT (Net of L&E) | Capacity |
|---------------------------------------|----------|
| WNG FULL TRANSPORT                    | 737,626  |
| LESS MAX STORAGE WITHDRAWAL           | -493,813 |
| FLOWING GAS NEEDS                     | 243,813  |
| WNG NOMINATED                         | -226,316 |
|                                       | 0        |
|                                       | 0        |
|                                       | 0        |
|                                       | 0        |
| PEAK DAY NEEDS                        | 17,497   |

Actual TSS Storage Balance 11/30/2000

9,966,153

12/19 12:42 PM

| 27<br>Dec-00 | Forecast<br>HDD's | Actual<br>HDD's | Forecast<br>Demand | KN @<br>107th & Elm | KN @<br>Glavin (WNG)<br>After Fuel | Served<br>KPOC | Served<br>PEPL | Off<br>System<br>Sales | WNG<br>Obligation | WNG<br>Flowing | TSS<br>Daily<br>With(-)/In(+) | TSS<br>Average<br>With(-)/In(+) | TSS<br>Storage<br>Balance | TSS<br>% OF<br>MSQ | FSS<br>Daily<br>With(-)/In(+) | FSS<br>Storage<br>Balance | PEPL/WS<br>Storage<br>Balance | Heat/HDD | Cumulative<br>Heat/HDD |
|--------------|-------------------|-----------------|--------------------|---------------------|------------------------------------|----------------|----------------|------------------------|-------------------|----------------|-------------------------------|---------------------------------|---------------------------|--------------------|-------------------------------|---------------------------|-------------------------------|----------|------------------------|
|              |                   |                 |                    |                     |                                    |                |                |                        |                   |                | 38,390                        |                                 |                           |                    |                               |                           |                               |          |                        |
| 1            |                   | 33              | 374,404            | 32,835              | 0                                  | 10,007         | 12,431         | 0                      | 319,131           | 230,981        | -88,150                       | -88,150                         | 9,878,003                 | 64.33%             | 0                             | 1,121,952                 | 998,540                       | 8,764    | 8,764                  |
| 2            |                   | 39              | 433,822            | 32,923              | 0                                  | 10,022         | 12,481         | 0                      | 378,396           | 230,981        | -147,415                      | -117,783                        | 9,730,588                 | 63.37%             | 0                             | 1,121,952                 | 992,131                       | 8,449    | 8,593                  |
| 3            |                   | 33              | 374,404            | 32,673              | 0                                  | 10,049         | 12,280         | 0                      | 319,402           | 230,981        | -88,421                       | -107,996                        | 9,642,166                 | 62.79%             | 0                             | 1,121,952                 | 985,722                       | 8,972    | 8,712                  |
| 4            |                   | 31              | 354,598            | 31,706              | 0                                  | 9,976          | 13,193         | 0                      | 299,723           | 230,981        | -68,742                       | -98,182                         | 9,573,424                 | 62.34%             | 0                             | 1,121,952                 | 979,313                       | 8,864    | 8,747                  |
| 5            |                   | 41              | 453,628            | 31,812              | 0                                  | 10,007         | 14,703         | 0                      | 397,106           | 230,981        | -166,125                      | -111,771                        | 9,407,299                 | 61.26%             | 0                             | 1,121,952                 | 972,903                       | 8,808    | 8,761                  |
| 6            |                   | 34              | 384,307            | 32,185              | 0                                  | 10,025         | 15,576         | 0                      | 326,521           | 230,981        | -95,540                       | -109,066                        | 9,311,759                 | 60.64%             | 0                             | 1,121,952                 | 966,493                       | 9,459    | 8,874                  |
| 7            |                   | 20              | 245,665            | 31,616              | 0                                  | 10,369         | 16,006         | 0                      | 187,674           | 230,981        | 41,380                        | -87,574                         | 9,353,138                 | 60.91%             | 0                             | 1,121,952                 | 960,083                       | 9,457    | 8,924                  |
| 8            |                   | 31              | 354,598            | 31,597              | 0                                  | 10,149         | 16,215         | 0                      | 296,637           | 230,981        | -65,656                       | -84,834                         | 9,287,482                 | 60.48%             | 0                             | 1,121,952                 | 953,673                       | 8,871    | 8,918                  |
| 9            |                   | 26              | 305,083            | 31,639              | 0                                  | 11,116         | 14,816         | 0                      | 247,512           | 230,981        | -16,531                       | -77,245                         | 9,270,951                 | 60.37%             | 0                             | 1,121,952                 | 947,263                       | 6,118    | 8,665                  |
| 10           |                   | 46              | 503,143            | 31,576              | 0                                  | 10,944         | 15,961         | 0                      | 444,662           | 230,981        | -212,681                      | -90,888                         | 9,057,270                 | 58.98%             | 0                             | 1,121,952                 | 940,853                       | 8,562    | 8,651                  |
| 11           |                   | 61              | 651,688            | 62,644              | 0                                  | 21,976         | 36,049         | 0                      | 531,019           | 230,981        | -273,313                      | -107,472                        | 8,783,956                 | 57.20%             | -26,725                       | 1,095,227                 | 922,853                       | 10,012   | 8,861                  |
| 12           |                   | 58              | 621,979            | 59,979              | 0                                  | 13,412         | 43,248         | 0                      | 505,340           | 215,563        | -263,052                      | -120,437                        | 8,520,904                 | 55.49%             | -26,725                       | 1,068,502                 | 904,853                       | 8,768    | 8,849                  |
| 13           |                   | 50              | 542,755            | 33,257              | 0                                  | 12,206         | 33,270         | 0                      | 464,022           | 220,240        | -217,057                      | -127,870                        | 8,303,847                 | 54.08%             | -26,725                       | 1,041,777                 | 886,853                       | 9,840    | 8,948                  |
| 14           |                   | 47              | 513,046            | 32,522              | 0                                  | 11,588         | 24,430         | 0                      | 444,506           | 223,072        | -221,434                      | -134,553                        | 8,082,413                 | 52.63%             | 0                             | 1,041,777                 | 877,444                       | 9,337    | 8,981                  |
| 15           |                   | 36              | 404,113            | 32,364              | 0                                  | 11,525         | 22,420         | 0                      | 337,804           | 230,486        | -107,318                      | -132,737                        | 7,975,095                 | 51.93%             | 0                             | 1,041,777                 | 868,035                       | 9,664    | 9,023                  |
| 16           |                   | 54              | 582,367            | 50,835              | 0                                  | 11,475         | 36,311         | 0                      | 483,746           | 227,890        | -255,856                      | -140,432                        | 7,719,239                 | 50.27%             | 0                             | 1,041,777                 | 850,035                       | 10,992   | 9,189                  |
| 17           |                   | 54              | 582,367            | 50,823              | 0                                  | 11,250         | 34,872         | 0                      | 485,422           | 230,981        | -254,441                      | -147,139                        | 7,464,798                 | 48.61%             | 0                             | 1,041,777                 | 832,035                       | 9,566    | 9,218                  |
| 18           |                   | 55              | 592,270            | 51,219              | 0                                  | 9,997          | 25,444         | 0                      | 505,610           | 230,981        | -274,630                      | -154,221                        | 7,190,168                 | 46.82%             | 0                             | 1,041,777                 | 814,035                       | #VALUE!  |                        |
| 19           | 52                |                 | 562,561            | 51,219              | 0                                  | 9,997          | 14,421         | 0                      | 486,924           | 230,982        | -255,943                      | -159,575                        | 6,934,226                 | 45.16%             | 0                             | 1,041,777                 | 796,035                       | 9,500    |                        |
| 20           | 45                |                 | 493,240            | 51,219              | 0                                  | 9,997          | 14,421         | 0                      | 417,603           | 230,982        | -186,622                      | -160,927                        | 6,747,604                 | 43.94%             | 0                             | 1,041,777                 | 778,035                       | 9,500    |                        |
| 21           | 57                |                 | 612,076            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 555,142           | 230,982        | -324,160                      | -168,700                        | 6,423,444                 | 41.83%             | 0                             | 1,041,777                 | 760,035                       | 9,500    |                        |
| 22           | 55                |                 | 592,270            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 535,336           | 230,982        | -304,354                      | -174,867                        | 6,119,090                 | 39.85%             | 0                             | 1,041,777                 | 742,035                       | 9,500    |                        |
| 23           | 51                |                 | 552,658            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 495,724           | 230,982        | -264,742                      | -178,774                        | 5,854,347                 | 38.12%             | 0                             | 1,041,777                 | 724,035                       | 9,500    |                        |
| 24           | 48                |                 | 522,949            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 466,015           | 230,982        | -235,033                      | -181,118                        | 5,619,314                 | 36.59%             | 0                             | 1,041,777                 | 714,626                       | 9,500    |                        |
| 25           | 47                |                 | 513,046            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 456,112           | 230,982        | -225,130                      | -182,879                        | 5,394,184                 | 35.13%             | 0                             | 1,041,777                 | 705,217                       | 9,500    |                        |
| 26           | 41                |                 | 453,628            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 396,694           | 230,982        | -165,712                      | -182,219                        | 5,228,471                 | 34.05%             | 0                             | 1,041,777                 | 695,808                       | 9,500    |                        |
| 27           | 36                |                 | 404,113            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 347,179           | 230,982        | -116,197                      | -179,773                        | 5,112,274                 | 33.29%             | 0                             | 1,041,777                 | 686,399                       | 9,500    |                        |
| 28           | 32                |                 | 364,501            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 307,567           | 230,982        | -76,585                       | -176,088                        | 5,035,689                 | 32.79%             | 0                             | 1,041,777                 | 676,990                       | 9,500    |                        |
| 29           | 40                |                 | 443,725            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 386,791           | 230,982        | -155,809                      | -175,389                        | 4,879,879                 | 31.78%             | 0                             | 1,041,777                 | 667,581                       | 9,500    |                        |
| 30           | 40                |                 | 443,725            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 386,791           | 230,982        | -155,809                      | -174,736                        | 4,724,070                 | 30.76%             | 0                             | 1,041,777                 | 658,172                       | 9,500    |                        |
| 31           | 40                |                 | 443,725            | 32,516              | 0                                  | 9,997          | 14,421         | 0                      | 386,791           | 230,982        | -155,809                      | -174,126                        | 4,568,261                 | 29.75%             | 0                             | 1,041,777                 | 648,763                       | 9,500    |                        |
| Totals       |                   | 1333            | 14,676,454         | 1,154,323           | 0                                  | 336,048        | 587,179        | 0                      | 12,598,903        | 7,122,764      | -5,397,892                    |                                 | 4,568,261                 |                    | -80,175                       |                           |                               |          |                        |

Base/Day 47605

Normal Average HDD's/Day 34.6129

EOM Target 7,771,317

Actual HDD's/Day 49.3704

Normal HDD's for November 1073

WNG 2000/2001 Winter Withdrawal Schedule - TSS

Missouri Gas Energy  
11/19/2000 12:29

|               |            |                   |            |
|---------------|------------|-------------------|------------|
| Contract      | SA-0014    | Zone              | MKT        |
| Rate Schedule | TSS        | Market Fuel %     | 0.00       |
| MSQ (Dth)     | 15,343,829 | Injection Fuel %  | 0.00       |
| MDIQ (Dth)    | Variable   | Withdrawal Fuel % | 0          |
| MBWQ (Dth)    | 1,459,813  | 10/31 Balance     | 15,593,505 |

includes ISS

| ORIGINAL PLAN |           |         | UPDATED PLAN |           |         |
|---------------|-----------|---------|--------------|-----------|---------|
| Month         | Day       | Balance | Month        | Day       | Balance |
| November      | 4,000,000 | 133,333 | November     | 5,627,352 | 187,578 |
| December      | 2,849,985 | 91,935  | December     | 5,397,892 | 174,126 |
| January       | 2,849,985 | 91,935  | January      | 2,849,985 | 91,935  |
| February      | 2,558,612 | 91,379  | February     | 2,558,612 | 91,379  |
| March         | 2,097,341 | 67,656  | March        | 2,097,341 | 67,656  |

Note: Above Volumes are Exclusive of Fuel!

| Withdrawal Month | End-Of-Month Balance | Percent of MSQ |
|------------------|----------------------|----------------|
| November         | 9,966,153            | 65.68%         |
| December         | 4,568,261            | 30.11%         |
| January          | 1,718,276            | 11.32%         |
| February         | -840,336             | -5.54%         |
| March            | -2,937,677           | -19.36%        |

WNG 2000/2001 Winter Withdrawal Schedule - TSS  
Missouri Gas Energy  
2/19/2000 12:29

|               |            |                   |            |
|---------------|------------|-------------------|------------|
| Contract      | SA-0014    | Zone              | MKT        |
| Rate Schedule | TSS        | Market Fuel %     | 0.00       |
| MSQ (Dth)     | 15,173,829 | Injection Fuel %  | 0.00       |
| MBIQ (Dth)    | Variable   | Withdrawal Fuel % | 0.00       |
| MBWQ (Dth)    | 459,813    | 10/31 Balance     | 15,593,505 |

Includes ISS

| ORIGINAL PLAN |           |         | UPDATED PLAN |           |         |
|---------------|-----------|---------|--------------|-----------|---------|
| Month         | Day       | Balance | Month        | Day       | Balance |
| November      | 4,000,000 | 133,333 | November     | 5,627,352 | 187,578 |
| December      | 2,849,985 | 91,935  | December     | 5,397,892 | 174,126 |
| January       | 2,849,985 | 91,935  | January      | 2,849,985 | 91,935  |
| February      | 2,558,612 | 91,379  | February     | 2,558,612 | 91,379  |
| March         | 2,097,341 | 67,656  | March        | 2,097,341 | 67,656  |

Note: Above Volumes are Exclusive of Fuel

| Withdrawal Month | End-Of-Month Balance | Percent of MSQ |
|------------------|----------------------|----------------|
| November         | 9,966,153            | 65.68%         |
| December         | 4,568,261            | 30.11%         |
| January          | 1,718,276            | 11.32%         |
| February         | -840,336             | -5.54%         |
| March            | -2,937,677           | -19.36%        |

PEPL - 2000/2001 Winter Withdrawal Schedule - FS  
Missouri Gas Energy

|               |         |                   |           |
|---------------|---------|-------------------|-----------|
| Contract      | 17073   | Zone              | FLD       |
| Rate Schedule | FS      | Market Fuel %     | 0.00      |
| MSQ (Dth)     | 1471800 | Injection Fuel %  | 0         |
| MDIO (Dth)    | 15,000  | Withdrawal Fuel % | 0.00      |
| MDWG (Dth)    | 20,000  | 10/31 Balance     | 1,051,108 |

| TYPICAL<br>PLAN |         |         | UPDATED<br>PLAN |         |         |           |
|-----------------|---------|---------|-----------------|---------|---------|-----------|
| Month           | Day     | Balance | Month           | Day     | Balance |           |
| November        | 129,600 | 4,320   | 921,508         | 46,205  | 1,540   | 1,004,903 |
| December        | 198,720 | 6,410   | 722,788         | 424,908 | 13,707  | 579,995   |
| January         | 207,360 | 6,689   | 515,428         | 207,360 | 6,689   | 372,635   |
| February        | 198,720 | 7,097   | 316,708         | 198,720 | 6,852   | 173,915   |
| March           | 129,600 | 4,181   | 187,108         | 129,600 | 4,181   | 44,315    |

Note: Above Volumes are Inclusive of Fuel!

| Withdrawal Month | End-Of-Month Balance | Percent of MSQ | Daily Nomination (Includes all Fuel) | Delivered To Market |
|------------------|----------------------|----------------|--------------------------------------|---------------------|
| November         | 1,004,903            | 68.28%         | 1,540                                | 1,523               |
| December         | 579,995              | 39.41%         | 13,707                               | 13,555              |
| January          | 372,635              | 25.32%         | 6,689                                | 6,615               |
| February         | 173,915              | 11.82%         | 6,852                                | 6,776               |
| March            | 44,315               | 3.01%          | 4,181                                | 4,134               |

Missouri Gas Energy  
Comparison of Actual to Estimated Storage Volumes  
Williams Natural Gas Pipeline  
October 2000 through March 2001

| Month<br>Ending | Estimated TSS<br>Balance <sup>(1)</sup> | Estimated Monthly<br>Injection (+)<br>Withdrawal (-) <sup>(1)</sup> | Williams Reported<br>Actual TSS<br>Balance <sup>(2)</sup> | Date of Storage<br>Update (Based on<br>Receipt of WNG<br>Storage Report) <sup>(3)</sup> | Actual<br>Injection (+)<br>Withdrawal (-) |
|-----------------|-----------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------|
| Sep-00          | 14,018,181                              |                                                                     | 14,122,808                                                | 10/12/00                                                                                |                                           |
| Oct-00          | 15,361,023                              | 1,237,071                                                           | 15,093,505                                                | 11/10/00                                                                                | 970,597                                   |
| Nov-00          | 10,314,343                              | (4,779,162)                                                         | 9,966,153                                                 | 12/13/00                                                                                | (5,127,352)                               |
| Dec-00          | 3,807,696                               | (6,158,457)                                                         | 3,747,983                                                 | 1/12/01                                                                                 | (6,218,170)                               |
| Jan-01          | 3,567,696                               | (179,004)                                                           | 3,784,819                                                 | 2/14/01                                                                                 | 36,836                                    |
| Feb-01          | 2,200,249                               | (258,457) <sup>(4)</sup>                                            | 2,515,613                                                 | 3/13/01                                                                                 | (1,289,206) <sup>(5)</sup>                |
| Mar-01          | 286,820                                 | (2,220,793)                                                         | 870,709                                                   | 4/17/01                                                                                 | (1,644,904)                               |

- (1) From Daily Supply Balance Sheets
- (2) From William's Storage Report/Download
- (3) Date William's actuals updated on Daily Supply Balance Sheets
- (4) Includes FSS Storage balance transfer of 1,000,000.
- (5) Net of FSS Storage balance transfer.

## **VIII. Early January**

## Ken Hubbard

From: Mike Langston  
To: Al Kara; Harry Dowling; Karen Czaplewski; Steve Cattron; Bobbie Barker; David Stevens; Rick Grundman; Bill Knox; Richard Fleager  
Cc: David Twichell; Ken Hubbard; Pat Anderson; Ron Endres  
Subject: RE: Gas Price update  
Date: Tuesday, January 02, 2001 3:30PM

Hope everyone had a great Holiday ! As you may already know, the January NYMEX contract closed at \$ 9.978 last Wednesday. Today, the First of the Month index rates were published, and a sample are as follows:

|                                       |          |
|---------------------------------------|----------|
| EPNG, Permian                         | \$ 9.81  |
| EPNG, San Juan                        | \$ 8.80  |
| Florida Gas, S. Louisiana             | \$ 9.93  |
| Williams, Mid-Cont.                   | \$ 9.98  |
| Houston Ship Channel                  | \$ 9.84  |
| Transco, Zone 6(Market area delivery) | \$ 19.33 |
| PG&E City Gate (California delivery)  | \$ 14.69 |
| SoCal City Gate (California delivery) | \$ 16.39 |

As of today, however, the market opened down over \$ 1.00, with the February contract closing today at \$ 8.362. This drop is due primarily to a milder weather forecast over much of the U.S. for the next 10 days. Traders are waiting to see if the milder forecasts will be confirmed over the next few days. In addition, the AGA storage report for withdrawals last week will come out tomorrow afternoon, with expectations of a withdrawal amount equal to last weeks withdrawal of 175 Bcf. If this is confirmed, the national storage levels will be in the 1.8 Tcf range, an all time low for this time of year.

If the weather were to continue at normal, or colder than normal levels, the storage levels are projected to be in the 500-850 Bcf range as early as mid-February. This would continue to place upward price pressure on the market through the remainder of the winter. We will have to monitor this closely.

For our MGE operations, December was over 131% of normal, and caused a large pull on storage. We are approximately 4 Bcf lower than our planned levels, but this can be supplied with flowing gas for the rest of the winter.

Crude prices continued to moderate, closing at \$ 27.21 today. However, OPEC is planning on cuts in crude productions to support prices, with cuts up to 1.5 million barrels per day being discussed.

Propane prices were up to \$ 0.99 per gallon last week, but traded in the \$ 0.81 per gallon level late today.

Cash market prices today continued in the \$ 10.00 range in most major areas, with prices into Florida Gas this last weekend trading up over \$ 20.00 due to the cold weather in Florida. The cash market will continue to be driven by weather, and should moderate somewhat if the milder forecasts are realized.

There may be opportunities to lock in prices below \$ 8.00 on our supplies in most markets for February if milder conditions continue. We will continue to monitor this.

Longer term, prices through the summer, and next winter continue in the \$ 5.17 - \$ 5.40 range. Some projections are calling for prices above \$ 4.50 through May of 2003.

Thanks.

-----  
From: Mike Langston

To: Harry Dowling; David Stevens; Richard Fleager; Bobbie Barker; Bill Knox; Steve Catron; Karen Czaplewski; Al Kara; Rick Grundman

Cc: Ron Endres; Pat Anderson; Ken Hubbard; David Twichell

Subject: RE: Gas Price update

Date: Thursday, December 21, 2000 10:20AM

This morning, cash prices continue to increase as a result of continued colder weather forecast over the next few days. Prices are trading at \$ 18.50 for delivery in Chicago, \$ 14 for delivery to pipelines in the mid-continent, and at \$ 11-\$11.50 for delivery into Williams for the Kansas City area. Trades for New York delivery for tomorrow are at \$ 15. Many pipelines have called operational flow orders, with plans to leave these daily balance orders in place at least through the Christmas holidays. These will be reevaluated on Tuesday next week. However, longer range forecasts show continued below normal temperatures across our service regions through the first week in January.

Power demand in the Southeast is strong, with expected stronger power demand in the northeast tomorrow as well. This will continue to provide strong demand for gas.

January NYMEX prices have traded up to \$ 9.90, and are currently around \$ 9.80. With continued strong weather forecasts and cash markets trading at a premium to the NYMEX screen, it now seems likely that January index prices will be near \$ 10.

As always, this information is good for 30 seconds. Have a great Christmas !

**IX. January 16<sup>th</sup> and 17<sup>th</sup>**

February Fixed Price Transactions

|      |             |        |          |            |
|------|-------------|--------|----------|------------|
| 11/7 | 02/01-03/01 | 10,000 | \$ 4.705 | \$ 47,050  |
| 11/7 | 02/01-03/01 | 10,000 | \$ 4.615 | \$ 46,150  |
| 1/12 | 02/01-03/01 | 20,000 | \$ 8.490 | \$ 169,800 |
| 1/16 | 02/01-03/01 | 20,000 | \$ 7.980 | \$ 159,600 |
| 1/18 | 02/01-03/01 | 20,000 | \$ 6.990 | \$ 139,800 |
|      |             | 80,000 | 7.03     | \$ 562,400 |

# MISSOURI GAS ENERGY

## SUPPLY / DEMAND SUMMARY

February 2001 - Final

1/17/2001 @ 3:05 PM

### February Demand

11,238,497 Monthly Total  
401,375 Daily Average  
948 HDD's

#### WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)

WGPC PSS STORAGE INJECTION (+) / WITHDRAWAL (-)

SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 243,452

#### PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)

SUB-TOTAL PEPL DEMAND

Avg 18201 OS, 5528 WB, 5000 BL, 1000 KC  
Storage With Nominate 7098 Dth/d

#### PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

#### PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

#### PXP @ WGPC GLAYIN

SUB-TOTAL PXP @ WGPC GLAYIN

Delivered WGPC KC Motors

#### KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

| PEPL @ PONY EXPRESS 107th & Elm HDD's |                     |             |               |
|---------------------------------------|---------------------|-------------|---------------|
| MONTHLY PER DAY                       | FUEL MOVSTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
| 289,569                               | 6,767               | 218,422     | 8,059,816     |
| -79,914                               | 0                   | 0           | 0             |
| 0                                     | 0                   | 0           | 0             |
| 209,655                               | 6,767               | 218,422     | 8,059,816     |
| 16,827                                | 212                 | 10,045      | 281,260       |
| -8,994                                | 0                   | 0           | 0             |
| 8,833                                 | 212                 | 10,045      | 281,260       |
| 0                                     | 0                   | 0           | 0             |
| 0                                     | 0                   | 0           | 0             |
| 70,500                                | 2,406               | 72,906      | 2,041,368     |
| 70,500                                | 2,406               | 72,906      | 2,041,368     |
| 14,479                                | 670                 | 15,149      | 424,172       |
| 14,479                                | 670                 | 15,149      | 424,172       |
| 10,000                                | 371                 | 10,371      | 290,388       |
| 10,000                                | 371                 | 10,371      | 290,388       |
| 314,467                               | 10,426              | 324,893     | 9,097,004     |

#### ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS

OXY USA, INC. - T/S @ ECHO SPRINGS

OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002

GP 30003

GP 30000

SUB-TOTAL ASSIGNED TERM SUPPLIES

#### ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

#### DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS

PONY EXPRESS @ CHEYENNE

WILLIAMS

PAHANDLE

KANSAS PIPELINE

PONY EXPRESS @ MIAMI

Includes deliveries to KCS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

28  
REASON

| MINIMUMS | MAXIMUMS | PLAND   | PLANNED   |
|----------|----------|---------|-----------|
| 0        | 0        | 17,808  | 498,624   |
| 0        | 0        | 15,000  | 420,000   |
| 0        | 0        | 22,500  | 630,000   |
| 0        | 0        | 55,308  | 1,548,624 |
| 0        | 0        | 1,000   | 28,000    |
| 0        | 0        | 1,000   | 28,000    |
| 0        | 0        | 25,535  | 714,980   |
| 0        | 0        | 87,055  | 2,437,540 |
| 0        | 0        | 115,579 | 3,236,212 |
| 0        | 0        | 10,045  | 281,260   |
| 0        | 0        | 10,371  | 290,388   |
| 0        | 0        | 0       | 0         |
| 0        | 0        | 248,585 | 6,960,390 |

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

| ECHO SPRING STORAGE INJECTION / WITHDRAWAL |        |
|--------------------------------------------|--------|
| Amoco                                      | 17,808 |
| Oxy                                        | 15,000 |
| Duke                                       | 25,535 |
|                                            | 0      |
|                                            | 0      |
|                                            | 0      |
|                                            | 0      |
| Total Supply                               | 58,343 |
| Total Remaining                            | 0      |

| WNG PEAK DAY FLOWING GAS NEEDS |          |
|--------------------------------|----------|
| WNG FULL TRANSPORT             | 737,626  |
| LESS MAX STORAGE WITHDRAWAL    | -493,813 |
| FLOWING GAS NEEDS              | 243,813  |
| WNG NOMINATED                  | -190,280 |
|                                | 0        |
|                                | 0        |
|                                | 0        |
|                                | 0        |
| PEAK DAY NEEDS                 | 53,533   |

# MISSOURI GAS ENERGY

## SUPPLY / DEMAND SUMMARY

February 2001 - Final  
1/17/2001 @ 3:05 PM

### February Demand

11,238,497 Monthly Total  
401,376 Daily Average  
946 HDD's

POP - 808280 Dth @ CB HDD's

#### WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With  
PRD Available

Nominate 0 (Zero)  
243,452

#### PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg 18201 OS, 5528 WB, 5000 BL, 1000 KC  
Storage With

Nominate 7098 Dth/d

#### PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

#### PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

#### PXP @ WGPC GLAYN

SUB-TOTAL PXP @ WGPC GLAYN

Delivered WGPC KC Meter

#### KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
|---------------|--------------------|-------------|---------------|
| 289,569       | 6,767              | 216,422     | 5,059,816     |
| -79,914       | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 209,655       | 6,767              | 216,422     | 5,059,816     |
| 16,827        | 212                | 10,045      | 281,260       |
| -6,994        | 0                  | 0           | 0             |
| 9,833         | 212                | 10,045      | 281,260       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 70,500        | 2,406              | 72,906      | 2,041,368     |
| 70,500        | 2,406              | 72,906      | 2,041,368     |
| 14,479        | 670                | 15,149      | 424,172       |
| 14,479        | 670                | 15,149      | 424,172       |
| 10,000        | 371                | 10,371      | 290,388       |
| 10,000        | 371                | 10,371      | 290,388       |
| 314,467       | 10,426             | 324,893     | 9,097,004     |

#### ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

28  
REASON

| MINIMUM/D | MAXIMUM/D | PLAN/D | PLAN/MO   |
|-----------|-----------|--------|-----------|
| 0         | 0         | 17,808 | 498,624   |
| 0         | 0         | 15,000 | 420,000   |
| 0         | 0         | 22,500 | 630,000   |
| 0         | 0         | 55,308 | 1,548,624 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

#### ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

|   |   |       |        |
|---|---|-------|--------|
| 0 | 0 | 1,000 | 28,000 |
| 0 | 0 | 1,000 | 28,000 |

#### DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

|   |   |         |           |
|---|---|---------|-----------|
| 0 | 0 | 25,535  | 714,980   |
| 0 | 0 | 87,055  | 2,437,540 |
| 0 | 0 | 115,579 | 3,236,212 |
| 0 | 0 | 10,045  | 281,260   |
| 0 | 0 | 10,371  | 290,388   |
| 0 | 0 | 0       | 0         |
| 0 | 0 | 248,585 | 6,960,380 |

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+)/UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

| Item            | New Capacity Available For this Year |
|-----------------|--------------------------------------|
| Amoco           | 17,808                               |
| Oxy             | 15,000                               |
| Duke            | 25,535                               |
|                 | 0                                    |
|                 | 0                                    |
|                 | 0                                    |
|                 | 0                                    |
| Total Supply    | 58,343                               |
| Total Remaining | 0                                    |

| Item                        | Peak Day Requirements |
|-----------------------------|-----------------------|
| WNG FULL TRANSPORT          | 737,626               |
| LESS MAX STORAGE WITHDRAWAL | -493,813              |
| FLOWING GAS NEEDS           | 243,813               |
| WNG NOMINATED               | -190,280              |
|                             | 0                     |
|                             | 0                     |
|                             | 0                     |
| PEAK DAY NEEDS              | 53,533                |

**Ken Hubbard**

---

**From:** Mike Langston  
**To:** Rob Hack; Steve Cattron  
**Cc:** Ken Hubbard; Liz Smith  
**Subject:** Gas Price hedge  
**Date:** Friday, January 12, 2001 9:43AM

This morning, gas prices continued to soften. The market has reached the level of \$ 8.50, and we have fixed the price on 20,000 MMBtu per day of supply for February at \$ 8.49. This is in addition to the 20,000 MMBtu we previously hedged at levels of approximately \$ 4.80. We will continue to watch the market, and if prices drop further, we will place additional price locks. At these levels, given the PGA filing recently made, we should help to reduce the projected under collection balances. Thanks.

**Ken Hubbard**

---

**From:** Mike Langston  
**To:** Rob Hack; Steve Cattron  
**Cc:** Ken Hubbard; Liz Smith  
**Subject:** February Pricing  
**Date:** Tuesday, January 16, 2001 10:51AM

As the market has continued lower today, from Friday's close, for the February NYMEX contract, we have locked in the pricing on 20,000 MMBtu per day at a rate of \$7.98. Currently the February market prices have traded in the range of \$7.94-\$8.25, with most activity in the \$8.00-\$8.05 area.

As of today, most market participants are expecting tomorrow's AGA storage report to show a withdrawal last week in the range of 100-133 Bcf. Given that the average AGA withdrawal rate over the remaining winter period is 133 Bcf, any report around 100 or lower will be seen to be bearish for prices, absent any forecasts for colder weather. We will review the market tomorrow and attempt to lock in a price on additional volumes. Thanks.

**Ken Hubbard**

---

**From:** Mike Langston  
**To:** Rob Hack; Steve Cattron  
**Cc:** Ken Hubbard; Liz Smith  
**Subject:** RE: February Pricing  
**Date:** Thursday, January 18, 2001 8:56AM

This morning the market opened up to \$ 7.18. We were able to lock in another 20,000 at \$ 6.99, and will continue to watch the market. Currently, the traders we have talked to with Duke are expecting some bounce back up today, although we will have to wait and see. Thanks.

-----  
**From:** Mike Langston  
**To:** Rob Hack; Steve Cattron  
**Cc:** Liz Smith; Ken Hubbard  
**Subject:** February Pricing  
**Date:** Tuesday, January 16, 2001 10:51AM

As the market has continued lower today, from Friday's close, for the February NYMEX contract, we have locked in the pricing on 20,000 MMBtu per day at a rate of \$ 7.98. Currently the February market prices have traded in the range of \$ 7.94-\$ 8.25, with most activity in the \$ 8.00-\$ 8.05 area.

As of today, most market participants are expecting tomorrows AGA storage report to show a withdrawal last week in the range of 100-133 Bcf. Given that the average AGA withdrawal rate over the remaining winter period is 133 Bcf, any report around 100 or lower will be seen to be bearish for prices, absent any forecasts for colder weather. We will review the market tomorrow and attempt to lock in a price on additional volumes. Thanks.

FOR IMMEDIATE DELIVERY  
IMPORTANT TIME SENSITIVE DOCUMENT  
EXHIBIT A  
01/12/2001



DUKE ENERGY TRADING AND MARKETING, L.L.C.  
10777 WESTHEIMER, SUITE 650, HOUSTON, TX 77042

Mobil

Contract Administration: Phone: (713) 260-1800 Fax: (713) 260-1825

Deal ID: S-MISSOURIGAS-0064

Title ID: S-MISSOURIGAS-S-0005

This Exhibit A confirms the verbal agreement reached between representatives of the Buyer and Seller identified herein and is subject to terms and conditions of the existing Agreement between Seller and Buyer dated 11/01/1994.

Seller: Duke Energy Trading and Marketing, L.L.C.  
Attn: Mark Homestead Contract #: S-8172  
Phone: (713) 260-5520 Fax: (713) 260-1825

Buyer: Missouri Gas Energy, A Div. of Southern Union Company  
Attn: Mike Langston Contract #:  
Phone: (512) 370-8277 Fax: (512) 476-4966

Service Level: Firm

| Meter No.                               | Meter Description | Begin<br>CST | End<br>CST | Qty/Day<br>MMBtu | Price<br>\$/USD/MMBtu |
|-----------------------------------------|-------------------|--------------|------------|------------------|-----------------------|
| Pipeline : WILLIAMS NATURAL GAS COMPANY |                   |              |            |                  |                       |
| TBD                                     | KMIGT/PONY        | 02/01/2001   | 03/01/2001 | 20000            | \$8.49                |

If this description is contrary to our verbal agreement, notify DETM by clearly marking any such discrepancy(ies) directly on this Exhibit A and delivering to DETM Contract Administration via facsimile, telecopy or electronic transmission by the close of the second business day following your receipt. As soon as reasonably practical thereafter, please verbally notify either the DETM Marketing Department or Contract Administration that such written notice has been rendered. Your failure to notify DETM of any such contrary understanding by such time constitutes your confirmation of the transaction as described above.

Please be advised that the DETM company logo shall act as our signature in accordance with the provisions of the Uniform Commercial Code.

**FOR IMMEDIATE DELIVERY  
IMPORTANT TIME SENSITIVE DOCUMENT  
EXHIBIT A  
01/12/2001**



**DUKE ENERGY TRADING AND MARKETING, L.L.C.**  
10777 WESTHEIMER, SUITE 650, HOUSTON, TX 77042



Contract Administration: Phone: (713) 260-1800 Fax: (713) 260-1825

Deal ID: S-MISSOURIGAS-0064

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Phone: (713) 260-5520 Fax: (713) 260-1825

Buyer: Missouri Gas Energy, A Div. of Southern Union Company  
Attn: Mike Langston Contract #:  
Phone: (512) 370-8277 Fax: (512) 476-4966

**Service Level: Firm**

| Meter No.                                      | Meter Description | Begin<br>CST | End<br>CST | Qty/Day<br>MMBtu | Price<br>\$/USD/MMBtu |
|------------------------------------------------|-------------------|--------------|------------|------------------|-----------------------|
|                                                |                   | 09:00 AM     | 09:00 AM   |                  |                       |
| <b>Pipeline : WILLIAMS NATURAL GAS COMPANY</b> |                   |              |            |                  |                       |
| TBD                                            | KMIGT/PONY        | 02/01/2001   | 03/01/2001 | 20000            | \$8.49                |

If this description is contrary to our verbal agreement, notify DETM by clearly marking any such discrepancy(ies) directly on this Exhibit A and delivering to DETM Contract Administration via facsimile, telecopy or electronic transmission by the close of the second business day following your receipt. As soon as reasonably practical thereafter, please verbally notify either the DETM Marketing Department or Contract Administration that such written notice has been rendered. Your failure to notify DETM of any such contrary understanding by such time constitutes your confirmation of the transaction as described above.

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**IMPORTANT TIME SENSITIVE DOCUMENT**  
**EXHIBIT A**  
01/12/2001



**DUKE ENERGY TRADING AND MARKETING, L.L.C.**

10777 WESTHEIMER, SUITE 650, HOUSTON, TX 77042

**Mobil**

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Title ID: S-MISSOURIGAS-S-0005

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Attn: Mark Homestead

Phone: (713) 260-5520

Contract #: S-8172

Fax: (713) 260-1825

Buyer: Missouri Gas Energy, A Div. of Southern Union Company

Attn: Mike Langston

Phone: (512) 370-8277

Contract #:

Fax: (512) 476-4966

**Service Level: Firm**

| Meter No.                                      | Meter Description | Begin<br>CST | End<br>CST | Qty/Day<br>MMBtu | Price<br>\$/USD/MMBtu |
|------------------------------------------------|-------------------|--------------|------------|------------------|-----------------------|
|                                                |                   | 09:00 AM     | 09:00 AM   |                  |                       |
| <b>Pipeline : WILLIAMS NATURAL GAS COMPANY</b> |                   |              |            |                  |                       |
| TBD                                            | KMIGT/PONY        | 02/01/2001   | 03/01/2001 | 20000            | \$8.49                |

If this description is contrary to our verbal agreement, notify DETM by clearly marking any such discrepancy(ies) directly on this Exhibit A and delivering to DETM Contract Administration via facsimile, telecopy or electronic transmission by the close of the second business day following your receipt. As soon as reasonably practical thereafter, please verbally notify either the DETM Marketing Department or Contract Administration that such written notice has been rendered. Your failure to notify DETM of any such contrary understanding by such time constitutes your confirmation of the transaction as described above.

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01/12/2001



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10777 WESTHEIMER, SUITE 650, HOUSTON, TX 77042

**Mobil**

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Attn: Mike Langston Contract #:  
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**Service Level: Firm**

| Meter No.                                      | Meter Description | Begin<br>CST | End<br>CST | Qty/Day<br>MMBtu | Price<br>\$/USD/MMBtu |
|------------------------------------------------|-------------------|--------------|------------|------------------|-----------------------|
|                                                |                   | 09:00 AM     | 09:00 AM   |                  |                       |
| <b>Pipeline : WILLIAMS NATURAL GAS COMPANY</b> |                   |              |            |                  |                       |
| TBD                                            | KMIGT/PONY        | 02/01/2001   | 03/01/2001 | 20000            | \$8.49                |

If this description is contrary to our verbal agreement, notify DETM by clearly marking any such discrepancy(ies) directly on this Exhibit A and delivering to DETM Contract Administration via facsimile, telecopy or electronic transmission by the close of the second business day following your receipt. As soon as reasonably practical thereafter, please verbally notify either the DETM Marketing Department or Contract Administration that such written notice has been rendered. Your failure to notify DETM of any such contrary understanding by such time constitutes your confirmation of the transaction as described above.

Please be advised that the DETM company logo shall act as our signature in accordance with the provisions of the Uniform Commercial Code.

**Ken Hubbard**

---

**From:** David Twichell  
**To:** Brenda Trombetta; Ken Hubbard; Liz Smith; Mark Homestead  
**Cc:** Mike Langston  
**Subject:** February 2001 Supply Demand Summary  
**Date:** Wednesday, January 17, 2001 3:24PM  
**Priority:** High

<<File Attachment: SD2001FE.XLS>>

Attached is the final Supply Demand Summary for February 2001, including all changes discussed in our meeting this morning.

Mark - Please note that overall supply is 20,000 Dth short of demand. This volume has been deducted from Williams supply at points other than Echo Springs. Please call if you have any questions.

Thanks,

D.T.





TOTAL  
MONTHLY

6,059,816  
0  
0  
6,059,816

281,260  
0  
281,260

0  
0

2,041,368  
2,041,368

424,172  
424,172

290,388  
290,388

9,097,004

PLAN/NO

498,624  
420,000  
630,000

1,548,624

28,000

28,000

714,980  
2,437,540  
3,235,212  
281,260  
290,388  
0

6,960,380

8,537,004

-560,000

25,000

MISSOURI GAS ENERGY  
SUPPLY / DEMAND SUMMARY  
February 2001 - Draft

February Demand

11,238,497 Monthly Total  
401,375 Daily Average  
946 HDD's

POP = 678,498, DM of 71 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With  
PRD Available 243,452

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (6201 OS, 5526 VNB, 5000 BL, 1000 KC)  
Storage With Nominate 6876 Dwyd

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
|---------------|--------------------|-------------|---------------|
| 289,569       | 6,767              | 216,422     | 6,059,816     |
| -79,914       | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 209,655       | 6,767              | 216,422     | 6,059,816     |
| 16,827        | 217                | 10,268      | 287,504       |
| -6,778        | 0                  | 0           | 0             |
| 10,051        | 217                | 10,268      | 287,504       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 70,500        | 2,406              | 72,906      | 2,041,368     |
| 70,500        | 2,406              | 72,906      | 2,041,368     |
| 14,479        | 670                | 15,149      | 424,172       |
| 14,479        | 670                | 15,149      | 424,172       |
| 10,000        | 371                | 10,371      | 290,388       |
| 10,000        | 371                | 10,371      | 290,388       |
| 314,685       | 10,431             | 325,116     | 9,103,248     |

ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION PORTS

GP 30002  
GP 30003  
GP 30003

28  
REASON

| MINIMUMS/D | MAXIMUMS/D | PLAN/D | PLAN/MO   |
|------------|------------|--------|-----------|
| 0          | 0          | 17,808 | 498,624   |
| 0          | 0          | 15,000 | 420,000   |
| 0          | 0          | 22,500 | 630,000   |
| 0          | 0          | 55,308 | 1,548,624 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

|   |   |       |        |
|---|---|-------|--------|
| 0 | 0 | 1,000 | 28,000 |
| 0 | 0 | 1,000 | 28,000 |

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

|   |   |         |           |
|---|---|---------|-----------|
| 0 | 0 | 25,535  | 714,980   |
| 0 | 0 | 87,055  | 2,437,540 |
| 0 | 0 | 135,579 | 3,796,212 |
| 0 | 0 | 10,268  | 287,504   |
| 0 | 0 | 10,371  | 290,388   |
| 0 | 0 | 0       | 0         |
| 0 | 0 | 268,808 | 7,526,624 |

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+)/UNDERSUPPLIED (-)

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 DwyMo.

893 25,000

| ECHO's New Capacity (Includes Production Fuel) |        |
|------------------------------------------------|--------|
| Amoco                                          | 17,808 |
| Oxy                                            | 15,000 |
| Duke                                           | 25,535 |
|                                                | 0      |
|                                                | 0      |
|                                                | 0      |
|                                                | 0      |
| Total Supply                                   | 58,343 |
| Total Remaining                                | 0      |

| WNG PEAK DAY REQUIREMENT (Net of For) |          |
|---------------------------------------|----------|
| WNG FULL TRANSPORT                    | 737,626  |
| LESS MAX STORAGE WITHDRAWAL           | -493,813 |
| FLOWING GAS NEEDS                     | 243,813  |
| WNG NOMINATED                         | -209,655 |
|                                       | 0        |
|                                       | 0        |
|                                       | 0        |
|                                       | 0        |
| PEAK DAY NEEDS                        | 34,155   |

Capacity Release

20,000 /day short Yes o/o Mike  
Production Production Release  
30,000 + 40,000

**MISSOURI GAS ENERGY**  
SUPPLY / DEMAND SUMMARY  
March 2001 - Draft

March Demand

8,448,472 Monthly Total  
272,531 Daily Average  
631 HDD's

PDP: 843564.DBI OF 68 HDD's

**WGPC CUSTOMER DEMAND**

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 208,513

**PEPL CUSTOMER DEMAND**

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (3980 OS, 4592 WB, 2000 BL, 1000 KC)  
Storage With Nominate 4195 Dth/d

**PEPL @ PONY EXPRESS**

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

**PXP CUSTOMER DEMAND**

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

**PXP @ WGPC GLAVIN**

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

**KPC CUSTOMER DEMAND**

SUB-TOTAL KPOC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
|---------------|--------------------|-------------|---------------|
| 200,967       | 4,303              | 137,614     | 4,266,034     |
| -67,656       | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 133,311       | 4,303              | 137,614     | 4,266,034     |
| 11,572        | 160                | 7,598       | 235,538       |
| -4,134        | 0                  | 0           | 0             |
| 7,438         | 160                | 7,598       | 235,538       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 49,000        | 1,672              | 50,672      | 1,570,832     |
| 49,000        | 1,672              | 50,672      | 1,570,832     |
| 5,992         | 277                | 6,269       | 194,339       |
| 5,992         | 277                | 6,269       | 194,339       |
| 5,000         | 186                | 5,186       | 160,766       |
| 5,000         | 186                | 5,186       | 160,766       |
| 200,741       | 6,598              | 207,339     | 6,427,509     |

**ASSIGNED TERM SUPPLIES**

31  
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

**ONEOK TERM SUPPLIES**

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

**DUKE TERM SUPPLIES**

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WING Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

| MINIMUMS/D | MAXIMUMS/D | PLAN/D  | PLAN/MO   |
|------------|------------|---------|-----------|
| 0          | 0          | 17,808  | 552,048   |
| 0          | 0          | 15,000  | 465,000   |
| 0          | 0          | 22,500  | 697,500   |
| 0          | 0          | 55,308  | 1,714,548 |
| 0          | 0          | 1,000   | 31,000    |
| 0          | 0          | 1,000   | 31,000    |
| 0          | 0          | 25,535  | 791,585   |
| 0          | 0          | 40,941  | 1,269,171 |
| 0          | 0          | 46,771  | 1,449,901 |
| 0          | 0          | 7,598   | 235,538   |
| 0          | 0          | 5,186   | 160,766   |
| 0          | 0          | 0       | 0         |
| 0          | 0          | 126,031 | 3,906,961 |
| 0          | 0          | 182,339 | 5,652,509 |

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WING Point 24280, Topeka, 25,000 Dth/Mo.

806 25,000

| Echo New Capacity (includes Production Fuel) |        |
|----------------------------------------------|--------|
| Amoco                                        | 17,808 |
| Oxy                                          | 15,000 |
| Duke                                         | 25,535 |
|                                              | 0      |
|                                              | 0      |
|                                              | 0      |
|                                              | 0      |
| Total Supply                                 | 58,343 |
| Total Remaining                              | 0      |

| WING PEAK DAY REQUIREMENT (Net of Fuel) |          |
|-----------------------------------------|----------|
| WING FULL TRANSPORT                     | 737,620  |
| LESS MAX STORAGE WITHDRAWAL             | -493,813 |
| FLOWING GAS NEEDS                       | 243,813  |
| WING NOMINATED                          | -123,624 |
|                                         | 0        |
|                                         | 0        |
|                                         | 0        |
|                                         | 0        |
| PEAK DAY NEEDS                          | 120,189  |

WNG 2000/2001 Winter Withdrawal Schedule - TSS  
Missouri Gas Energy  
1/16/2001 15:02

|               |            |                   |            |
|---------------|------------|-------------------|------------|
| Contract      | SA-0012    | Zone              | MKT        |
| Rate Schedule | ISS        | Market Fuel %     | 0.00       |
| MSQ (Dth)     | 15,173,829 | Injection Fuel %  | 0.00       |
| MDIQ (Dth)    | Variable   | Withdrawal Fuel % | 0          |
| MDWQ (Dth)    | 459,843    | 10/31 Balance     | 15,593,505 |

Includes ISS

| ORIGINAL PLAN |           |         |            | UPDATED PLAN |         |           |
|---------------|-----------|---------|------------|--------------|---------|-----------|
| Month         | Day       | Balance |            | Month        | Day     | Balance   |
| November      | 4,000,000 | 133,333 | 11,593,505 | 5,627,352    | 187,578 | 9,966,153 |
| December      | 2,849,985 | 91,935  | 8,743,520  | 6,218,170    | 200,586 | 3,747,983 |
| January       | 2,849,985 | 91,935  | 5,893,535  | -31,553      | -1,018  | 3,779,536 |
| February      | 2,558,612 | 91,379  | 3,334,923  | 1,237,582    | 44,199  | 2,541,954 |
| March         | 2,097,341 | 67,656  | 1,237,582  | 2,097,341    | 67,656  | 444,613   |

Note: Above Volumes are Exclusive of Fuel

Includes withdrawals of 2,237,582 for February and transfer of 1 Bcf from FSS storage at EOM

| Withdrawal Month | End-Of-Month Balance | Percent of MSQ |
|------------------|----------------------|----------------|
| November         | 9,966,153            | 65.68%         |
| December         | 3,747,983            | 24.70%         |
| January          | 3,779,536            | 24.91%         |
| February         | 2,541,954            | 16.75%         |
| March            | 444,613              | 2.93%          |

WNG 2000/2001 Winter Withdrawal Schedule - FSS  
Missouri Gas Energy  
1/16/2001 15:02

|               |           |                   |           |
|---------------|-----------|-------------------|-----------|
| Contract      | SA-0072   | Zone              | MKT       |
| Rate Schedule | FSS       | Market Fuel %     | 0.00      |
| MSQ (Dth)     | 1,122,000 | Injection Fuel %  | 0.00      |
| MDIQ (Dth)    | Variable  | Withdrawal Fuel % | 0         |
| MDWQ (Dth)    | 34,000    | 10/31 Balance     | 1,122,000 |

| ORIGINAL PLAN |         |         | UPDATED PLAN |           |         |           |
|---------------|---------|---------|--------------|-----------|---------|-----------|
| Month         | Day     | Balance | Month        | Day       | Balance |           |
| November      | 0       | 0       | 1,122,000    | 0         | 0       | 1,122,000 |
| December      | 374,000 | 34,000  | 748,000      | 80,223    | 7,293   | 1,041,777 |
| January       | 374,000 | 34,000  | 374,000      | 0         | 0       | 1,041,777 |
| February      | 374,000 | 34,000  | 0            | 1,000,000 | 90,909  | 41,777    |
| March         | 0       | 0       | 0            | 0         | 0       | 41,777    |

1 Bcf transferred to TSS storage at end of February

Note: This plan is based on withdrawing the full MDWQ of 34,000 Dth/day for a total of 33 days during the core winter months of December, January, and February. All volumes are exclusive of fuel.

| Withdrawal Month | End-Of-Month Balance | Percent of MSQ |
|------------------|----------------------|----------------|
| November         | 1,122,000            | 100.00%        |
| December         | 1,041,777            | 92.85%         |
| January          | 1,041,777            | 92.85%         |
| February         | 41,777               | 3.72%          |
| March            | 41,777               | 3.72%          |

PEPL - 2000/2001 Winter Withdrawal Schedule - FS  
Missouri Gas Energy

|               |           |                   |           |
|---------------|-----------|-------------------|-----------|
| Contract      | 17073     | Zone              | FED       |
| Rate Schedule | ES        | Market Fuel %     | 0.00      |
| MSQ (Dth)     | 1,471,800 | Injection Fuel %  | 0         |
| MDIQ (Dth)    | 15,000    | Withdrawal Fuel % | 0.00      |
| MDWQ (Dth)    | 20,000    | 10/31 Balance     | 1,051,108 |

| TYPICAL<br>PLAN |         |         | UPDATED<br>PLAN |         |         |           |
|-----------------|---------|---------|-----------------|---------|---------|-----------|
| Month           | Day     | Balance | Month           | Day     | Balance |           |
| November        | 129,600 | 4,320   | 921,508         | 46,205  | 1,540   | 1,004,903 |
| December        | 198,720 | 6,410   | 722,788         | 429,365 | 13,850  | 575,538   |
| January         | 207,360 | 6,689   | 515,428         | 207,360 | 6,689   | 368,178   |
| February        | 198,720 | 7,097   | 316,708         | 198,720 | 7,097   | 169,458   |
| March           | 129,600 | 4,181   | 187,108         | 129,600 | 4,181   | 39,858    |

Note: Above Volumes are Inclusive of Fuel

| Withdrawal Month | End-Of-Month Balance | Percent of MSQ | Daily Nomination (Includes all Fuel) | Delivered To Market |
|------------------|----------------------|----------------|--------------------------------------|---------------------|
| November         | 1,004,903            | 68.28%         | 1,540                                | 1,518               |
| December         | 575,538              | 39.10%         | 13,850                               | 13,648              |
| January          | 368,178              | 25.02%         | 6,689                                | 6,591               |
| February         | 169,458              | 11.51%         | 7,097                                | 6,994               |
| March            | 39,858               | 2.71%          | 4,181                                | 4,120               |

**Ken Hubbard**

---

**From:** David Twichell  
**To:** Brenda Trombetta; Ken Hubbard; Liz Smith  
**Cc:** Mike Langston  
**Subject:** MGE Business  
**Date:** Tuesday, January 16, 2001 3:32PM  
**Priority:** High

<<File Attachment: SD2001FE.XLS>><<File Attachment: SD2001MA.XLS>>

Please plan on attending a meeting to discuss February and March business at 10:30 AM on Tuesday, 1/17/2001 in the Gas Supply conference room. The Supply/Demand Summaries for both months are attached for your review.

Ken -

Please plan on staying after this meeting to discuss upcoming Williams contract negotiations.

Thanks,

D.T

**MISSOURI GAS ENERGY**  
SUPPLY / DEMAND SUMMARY  
February 2001 - Draft

**February Demand**

11,238,497 Monthly Total  
401,375 Daily Average  
946 HDD's

WGPC CUSTOMER DEMAND  
WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC PSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 243,452

PEPL CUSTOMER DEMAND  
PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg 16201 OS, 5526 WB, 5000 BL, 1000 KC)  
Storage With Nominate 6876 Dth/d

PEPL @ PONY EXPRESS  
SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PKP CUSTOMER DEMAND  
SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PKP @ WGPC GLAVIN  
SUB-TOTAL PKP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND  
SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

**ASSIGNED TERM SUPPLIES**

28  
FEASOR

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

**DNEOK TERM SUPPLIES**

DNEOK @ PKP CHEYENNE

SUB-TOTAL DNEOK TERM SUPPLIES

**DUKE TERM SUPPLIES**

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

| Entity          | Quantity | Includes | From | Non | Fixed |
|-----------------|----------|----------|------|-----|-------|
| Amoco           | 17,808   |          |      |     |       |
| Oxy             | 15,000   |          |      |     |       |
| Duke            | 25,535   |          |      |     |       |
|                 | 0        |          |      |     |       |
|                 | 0        |          |      |     |       |
|                 | 0        |          |      |     |       |
|                 | 0        |          |      |     |       |
| Total Supply    | 58,343   |          |      |     |       |
| Total Remaining | 0        |          |      |     |       |

| WNG PEAK DAY REQUIREMENT (Peak at Topeka) |                 |
|-------------------------------------------|-----------------|
| WNG FULL TRANSPORT                        | 737,626         |
| LESS MAX STORAGE WITHDRAWAL               | <u>-493,813</u> |
| FLOWING GAS NEEDS                         | 243,813         |
| WNG NOMINATED                             | -209,655        |
|                                           | 0               |
|                                           | 0               |
|                                           | 0               |
|                                           | 0               |
| PEAK DAY NEEDS                            | <u>34,158</u>   |

**MISSOURI GAS ENERGY**  
SUPPLY / DEMAND SUMMARY  
March 2001 - Draft

**March Demand**

8,448,472 Monthly Total  
272,531 Daily Average  
691 HDD's

**WGPC CUSTOMER DEMAND**

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

**PEPL CUSTOMER DEMAND**

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

**PEPL @ PONY EXPRESS**

SUB-TOTAL PEPL @ PONY EXPRESS

**PXP CUSTOMER DEMAND**

SUB-TOTAL PONY DEMAND

**PXP @ WGPC GLAVIN**

SUB-TOTAL PXP @ WGPC GLAVIN

**KPC CUSTOMER DEMAND**

SUB-TOTAL KPOC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 208,513

Avg G980 DS, 4592 WB, 2000 BL, 1000 KC  
Storage With Nominate 4195 Dth/d

Delivered 107th & Elm

Delivered 107th & Elm

Delivered WGPC KC Meters

| PDP - 1800000 - 1000000 - 1000000 |                    |             |               |
|-----------------------------------|--------------------|-------------|---------------|
| MMSTU PER DAY                     | FUEL MMSTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
| 200,967                           | 4,303              | 137,614     | 4,266,034     |
| -67,656                           | 0                  | 0           | 0             |
| 0                                 | 0                  | 0           | 0             |
| 133,311                           | 4,303              | 137,614     | 4,266,034     |
| 11,572                            | 180                | 7,598       | 235,538       |
| -4,134                            | 0                  | 0           | 0             |
| 7,438                             | 180                | 7,598       | 235,538       |
| 0                                 | 0                  | 0           | 0             |
| 0                                 | 0                  | 0           | 0             |
| 49,000                            | 1,672              | 50,672      | 1,570,832     |
| 49,000                            | 1,672              | 50,672      | 1,570,832     |
| 5,992                             | 277                | 6,269       | 194,339       |
| 5,992                             | 277                | 6,269       | 194,339       |
| 5,000                             | 186                | 5,186       | 160,766       |
| 5,000                             | 186                | 5,186       | 160,766       |
| 200,741                           | 6,598              | 207,339     | 6,427,509     |

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

**ASSIGNED TERM SUPPLIES**

31  
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
DXY USA, INC - T/S @ ECHO SPRINGS  
DXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

**ONEOK TERM SUPPLIES**

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

**DUKE TERM SUPPLIES**

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to XGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

| WITHDRAWALS | MAXIMUMS | PLANS   | PLANNED   |
|-------------|----------|---------|-----------|
| 0           | 0        | 17,808  | 552,048   |
| 0           | 0        | 15,000  | 465,000   |
| 0           | 0        | 22,500  | 697,500   |
| 0           | 0        | 55,308  | 1,714,548 |
| 0           | 0        | 1,000   | 31,000    |
| 0           | 0        | 1,000   | 31,000    |
| 0           | 0        | 25,535  | 781,585   |
| 0           | 0        | 40,941  | 1,269,171 |
| 0           | 0        | 48,771  | 1,449,901 |
| 0           | 0        | 7,598   | 235,538   |
| 0           | 0        | 5,186   | 160,766   |
| 0           | 0        | 0       | 0         |
| 0           | 0        | 126,031 | 3,906,961 |

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806

25,000

| ECHO - PAX SUPPLY REQUIREMENTS FROM NEW FIRM |        |
|----------------------------------------------|--------|
| Amoco                                        | 17,808 |
| Oxy                                          | 15,000 |
| Duke                                         | 25,535 |
|                                              | 0      |
|                                              | 0      |
|                                              | 0      |
|                                              | 0      |
| Total Supply                                 | 58,343 |
| Total Remaining                              | 0      |

| WNG PEAK DAY REQUIREMENTS FROM NEW FIRM |          |
|-----------------------------------------|----------|
| WNG FULL TRANSPORT                      | 737,626  |
| LESS MAX STORAGE WITHDRAWAL             | -493,813 |
| FLOWING GAS NEEDS                       | 243,813  |
| WNG NOMINATED                           | -123,624 |
|                                         | 0        |
|                                         | 0        |
|                                         | 0        |
| PEAK DAY NEEDS                          | 120,189  |

MISSOURI GAS ENERGY  
SUPPLY / DEMAND SUMMARY  
February 2001 - Draft

February Demand

11,238,497 Monthly Total  
401,376 Daily Average  
946 HDD's

PDP - 834841, Draw at 72 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

KPC CUSTOMER DEMAND

SUB-TOTAL KPOC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

| ECHO - New Capacity Supplies Production (Tps) |        |
|-----------------------------------------------|--------|
| Amoco                                         | 17,808 |
| Oxy                                           | 15,000 |
| Duke                                          | 25,535 |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
| Total Supply                                  | 58,343 |
| Total Remaining                               | 0      |

| WNG PEAK DAY REQUIREMENT (Mcf/D) |          |
|----------------------------------|----------|
| WNG FULL TRANSPORT               | 737,626  |
| LESS MAX STORAGE WITHDRAWAL      | -493,813 |
| FLOWING GAS NEEDS                | 243,813  |
| WNG NOMINATED                    | -226,311 |
|                                  | 0        |
|                                  | 0        |
|                                  | 0        |
| PEAK DAY NEEDS                   | 17,502   |

G! Corp / Gas / Gas Con.

**MISSOURI GAS ENERGY**  
SUPPLY / DEMAND SUMMARY  
February 2001 KUH Draft

**February Demand**

11,238,497 Monthly Total  
401,375 Daily Average  
946 HDD's

PDP - 858102 Dth @ 13 HDD's

WGPC CUSTOMER DEMAND  
WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 243,813

PEPL CUSTOMER DEMAND  
PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (7,237 OS, 6,715 WB, 5,000 BL, 10,000 Dodson)  
Storage With Nominate 6689 Dth/d

PEPL @ PONY EXPRESS  
SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND  
SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN  
SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND  
SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
|---------------|--------------------|-------------|---------------|
| 238,558       | 5,971              | 190,958     | 5,346,824     |
| -53,571       | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 184,987       | 5,971              | 190,958     | 5,346,824     |
| 28,952        | 481                | 22,818      | 638,904       |
| -5,615        | 0                  | 0           | 0             |
| 22,337        | 481                | 22,818      | 638,904       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 70,500        | 2,406              | 72,906      | 2,041,368     |
| 70,500        | 2,406              | 72,906      | 2,041,368     |
| 19,472        | 901                | 20,373      | 570,444       |
| 19,472        | 901                | 20,373      | 570,444       |
| 43,893        | 1,630              | 45,523      | 1,274,644     |
| 43,893        | 1,630              | 45,523      | 1,274,644     |
| 341,189       | 11,389             | 352,578     | 9,872,184     |

**ASSIGNED TERM SUPPLIES**

28  
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

| MINIMUMS/D | MAXIMUMS/D | PLAN/D | PLAN/MO   |
|------------|------------|--------|-----------|
| 0          | 0          | 17,808 | 498,824   |
| 0          | 0          | 15,000 | 420,000   |
| 0          | 0          | 22,500 | 630,000   |
| 0          | 0          | 55,308 | 1,548,824 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

**ONEOK TERM SUPPLIES**

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

|   |   |       |        |
|---|---|-------|--------|
| 0 | 0 | 1,000 | 28,000 |
| 0 | 0 | 1,000 | 28,000 |

**DUKE TERM SUPPLIES**

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

|   |   |         |           |
|---|---|---------|-----------|
| 0 | 0 | 25,535  | 714,980   |
| 0 | 0 | 92,279  | 2,583,812 |
| 0 | 0 | 110,115 | 3,083,220 |
| 0 | 0 | 22,818  | 638,904   |
| 0 | 0 | 45,523  | 1,274,644 |
| 0 | 0 | 0       | 0         |
| 0 | 0 | 296,270 | 8,295,560 |

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

|   |   |         |           |
|---|---|---------|-----------|
| 0 | 0 | 352,578 | 9,872,184 |
| 0 | 0 | 0       | 0         |

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

| Term New Capacity Includes Proportional Term |        |
|----------------------------------------------|--------|
| Amoco                                        | 17,808 |
| Oxy                                          | 15,000 |
| Duke                                         | 25,535 |
|                                              | 0      |
|                                              | 0      |
|                                              | 0      |
|                                              | 0      |
| Total Supply                                 | 58,343 |
| Total Remaining                              | 0      |

| WNG PEAK DAY REQUIREMENT (MMBTU/Dth) |          |
|--------------------------------------|----------|
| WNG FULL TRANSPORT                   | 737,626  |
| LESS MAX STORAGE WITHDRAWAL          | -493,813 |
| FLOWING GAS NEEDS                    | 243,813  |
| WNG NOMINATED                        | -184,987 |
|                                      | 0        |
|                                      | 0        |
|                                      | 0        |
| PEAK DAY NEEDS                       | 58,826   |

MISSOURI GAS ENERGY  
SUPPLY / DEMAND SUMMARY  
January 2001 - Final

January Demand

13,893,421 Monthly Total  
448,175 Daily Average  
1218 HDD's

PDP - 806018 - Dth at 78.3433

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 243,813

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (7,237 OS, 6,715 WB, 5,000 BL, 10,000 Dodson)  
Storage With Nominate 6689 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPOC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

| MMBtu PER DAY | FUEL MMBtu PER DAY | TOTAL DAILY | TOTAL MONTHLY |
|---------------|--------------------|-------------|---------------|
| 285,358       | 7,618              | 243,621     | 7,552,251     |
| -49,355       | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 236,003       | 7,618              | 243,621     | 7,552,251     |
| 28,952        | 481                | 22,818      | 707,358       |
| -6,615        | 0                  | 0           | 0             |
| 22,337        | 481                | 22,818      | 707,358       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 70,500        | 2,406              | 72,906      | 2,260,086     |
| 70,500        | 2,406              | 72,906      | 2,260,086     |
| 19,472        | 901                | 20,373      | 631,563       |
| 19,472        | 901                | 20,373      | 631,563       |
| 43,893        | 1,630              | 45,523      | 1,411,213     |
| 43,893        | 1,630              | 45,523      | 1,411,213     |
| 392,205       | 13,036             | 405,241     | 12,562,471    |

ASSIGNED TERM SUPPLIES

31  
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ ECHO SPRINGS  
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

| MINIMUMS/D | MAXIMUMS/D | PLAN/D | PLANNED   |
|------------|------------|--------|-----------|
| 0          | 0          | 17,808 | 552,048   |
| 0          | 0          | 15,000 | 465,000   |
| 0          | 0          | 22,500 | 697,500   |
| 0          | 0          | 55,308 | 1,714,548 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

|   |   |       |        |
|---|---|-------|--------|
| 0 | 0 | 1,000 | 31,000 |
| 0 | 0 | 1,000 | 31,000 |

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

|   |   |         |            |
|---|---|---------|------------|
| 0 | 0 | 25,535  | 791,585    |
| 0 | 0 | 92,279  | 2,860,648  |
| 0 | 0 | 162,778 | 5,046,118  |
| 0 | 0 | 22,818  | 707,358    |
| 0 | 0 | 45,523  | 1,411,213  |
| 0 | 0 | 0       | 0          |
| 0 | 0 | 348,933 | 10,816,923 |

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806 25,000

| From Supply Sources To Other Users |        |
|------------------------------------|--------|
| Amoco                              | 17,808 |
| Oxy                                | 15,000 |
| Duke                               | 25,535 |
|                                    | 0      |
|                                    | 0      |
|                                    | 0      |
|                                    | 0      |
| Total Supply                       | 58,343 |
| Total Remaining                    | 0      |

| WNG PEAK DAY REQUIREMENT AND BALANCE |          |
|--------------------------------------|----------|
| WNG FULL TRANSPORT                   | 737,626  |
| LESS MAX STORAGE WITHDRAWAL          | -493,813 |
| FLOWING GAS NEEDS                    | 243,813  |
| WNG NOMINATED                        | -236,003 |
|                                      | 0        |
|                                      | 0        |
|                                      | 0        |
|                                      | 0        |
| PEAK DAY NEEDS                       | 7,810    |

MISSOURI GAS ENERGY  
SUPPLY / DEMAND SUMMARY  
February 2001 - Draft  
10/04/2000 @ 1:00 PM

Twicken 110M 10/1/00 11/2

February Demand

11,238,497 Monthly Total  
401,375 Daily Average  
946 HDD's

PDP = 797033 Dth or 1.8 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
WGPC PSS STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 243,813

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (6201 OS, 5526 WB, 5000 BL, 1000 KC)  
Storage With Nominate 6852 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPOC DEMAND

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY | TOTAL MONTHLY |
|---------------|--------------------|-------------|---------------|
| 289,548       | 4,782              | 202,951     | 5,682,628     |
| -91,379       | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 198,169       | 4,782              | 202,951     | 5,682,628     |
| 16,827        | 217                | 10,268      | 287,504       |
| -6,776        | 0                  | 0           | 0             |
| 10,051        | 217                | 10,268      | 287,504       |
| 0             | 0                  | 0           | 0             |
| 0             | 0                  | 0           | 0             |
| 70,500        | 2,406              | 72,906      | 2,041,368     |
| 70,500        | 2,406              | 72,906      | 2,041,368     |
| 14,500        | 649                | 15,149      | 424,172       |
| 14,500        | 649                | 15,149      | 424,172       |
| 10,000        | 371                | 10,371      | 290,388       |
| 10,000        | 371                | 10,371      | 290,388       |
| 303,220       | 8,425              | 311,645     | 8,726,060     |

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

| MINIMUMS/D | MAXIMUMS/D | PLAN/D | PLAN/MO   |
|------------|------------|--------|-----------|
| 0          | 0          | 17,808 | 498,624   |
| 0          | 0          | 15,000 | 420,000   |
| 0          | 0          | 22,500 | 630,000   |
| 0          | 0          | 55,308 | 1,548,624 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

|   |   |       |        |
|---|---|-------|--------|
| 0 | 0 | 1,000 | 28,000 |
| 0 | 0 | 1,000 | 28,000 |

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PARHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

SUB-TOTAL DUKE TERM SUPPLIES

|   |   |         |           |
|---|---|---------|-----------|
| 0 | 0 | 25,157  | 704,396   |
| 0 | 0 | 77,055  | 2,157,540 |
| 0 | 0 | 112,486 | 3,149,608 |
| 0 | 0 | 10,268  | 287,504   |
| 0 | 0 | 10,371  | 290,388   |
| 0 | 0 | 0       | 0         |
| 0 | 0 | 235,337 | 6,589,436 |

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

| Exch. New Capacity (Includes Production Fuel) |        |
|-----------------------------------------------|--------|
| Amoco                                         | 17,808 |
| Oxy                                           | 15,000 |
| Duke                                          | 25,157 |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
| Total Supply                                  | 57,965 |
| Total Remaining                               | 0      |

| WNG PEAK DAY REQUIREMENT (Net of fuel) |          |
|----------------------------------------|----------|
| WNG FULL TRANSPORT                     | 737,626  |
| LESS MAX STORAGE WITHDRAWAL            | -493,813 |
| FLOWING GAS NEEDS                      | 243,813  |
| WNG NOMINATED                          | -198,169 |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
| PEAK DAY NEEDS                         | 45,644   |

Actual TSS Storage Balance 12/31/2000

3,747,983

1/15 12:44 PM

| 21<br>Jan-01 | Forecast<br>HDD's | Actual<br>HDD's | Forecast<br>Demand | KN @<br>107th & Elm | KN @<br>Glavin (WNG)<br>After Fuel | Served<br>KPOC | Served<br>PEPL | Off<br>System<br>Sales | WNG<br>Obligation | WNG<br>Flowing | TSS<br>Daily<br>With(-)/In(+) | TSS<br>Average<br>With(-)/In(+) | TSS<br>Storage<br>Balance | TSS<br>% OF<br>MSQ | FSS<br>Daily<br>With(-)/In(+) | FSS<br>Storage<br>Balance | PEPL/WVS<br>Storage<br>Balance | Cumulative<br>Heat/HDD | Heat/HDD |
|--------------|-------------------|-----------------|--------------------|---------------------|------------------------------------|----------------|----------------|------------------------|-------------------|----------------|-------------------------------|---------------------------------|---------------------------|--------------------|-------------------------------|---------------------------|--------------------------------|------------------------|----------|
| 1            |                   | 62              | 686,205            | 91,451              | 0                                  | 43,905         | 31,488         | 0                      | 519,361           | 230,259        | -289,102                      | -289,102                        | 3,458,881                 | 22.52%             | 0                             | 1,041,777                 | 573,346                        | 9,492                  | 9,492    |
| 2            |                   | 54              | 603,805            | 91,315              | 0                                  | 43,790         | 31,090         | 0                      | 437,610           | 233,096        | -204,514                      | -246,808                        | 3,254,367                 | 21.19%             | 0                             | 1,041,777                 | 566,657                        | 9,204                  | 9,358    |
| 3            |                   | 41              | 469,905            | 90,308              | 0                                  | 43,926         | 28,096         | 0                      | 307,575           | 233,674        | -73,901                       | -189,172                        | 3,180,466                 | 20.71%             | 0                             | 1,041,777                 | 559,968                        | 9,605                  | 9,422    |
| 4            |                   | 33              | 387,505            | 80,463              | 9,558                              | 43,872         | 25,730         | 0                      | 227,882           | 235,197        | 7,182                         | -140,084                        | 3,187,648                 | 20.76%             | 0                             | 1,041,777                 | 553,279                        | 8,689                  | 9,295    |
| 5            |                   | 28              | 336,005            | 80,263              | 9,558                              | 43,907         | 24,891         | 0                      | 177,386           | 235,197        | 56,759                        | -100,715                        | 3,244,407                 | 21.13%             | 0                             | 1,041,777                 | 546,590                        | 9,260                  | 9,290    |
| 6            |                   | 25              | 305,105            | 80,187              | 9,558                              | 43,840         | 28,955         | 0                      | 142,565           | 236,423        | 92,149                        | -68,571                         | 3,336,556                 | 21.73%             | 0                             | 1,041,777                 | 539,901                        | 9,553                  | 9,318    |
| 7            |                   | 29              | 346,305            | 80,119              | 9,558                              | 43,868         | 29,922         | 0                      | 182,838           | 233,007        | 49,256                        | -51,739                         | 3,385,812                 | 22.05%             | 0                             | 1,041,777                 | 533,212                        | 9,276                  | 9,313    |
| 8            |                   | 37              | 428,705            | 79,985              | 9,558                              | 43,996         | 30,960         | 0                      | 264,206           | 235,459        | -28,747                       | -48,865                         | 3,357,065                 | 21.86%             | 0                             | 1,041,777                 | 526,523                        | 9,044                  | 9,281    |
| 9            |                   | 32              | 377,205            | 85,044              | 4,779                              | 43,948         | 30,894         | 0                      | 212,540           | 233,799        | 20,872                        | -41,116                         | 3,377,937                 | 22.00%             | 0                             | 1,041,777                 | 519,834                        | 9,869                  | 9,336    |
| 10           |                   | 22              | 274,205            | 84,901              | 4,779                              | 43,560         | 28,325         | 0                      | 112,640           | 236,106        | 121,219                       | -24,883                         | 3,499,156                 | 22.79%             | 0                             | 1,041,777                 | 513,145                        | 10,684                 | 9,418    |
| 11           |                   | 29              | 346,305            | 85,038              | 4,779                              | 41,196         | 28,816         | 0                      | 186,476           | 238,116        | 50,700                        | -18,012                         | 3,549,856                 | 23.12%             | 0                             | 1,041,777                 | 506,456                        | 9,378                  | 9,415    |
| 12           |                   | 28              | 336,005            | 85,034              | 4,779                              | 44,072         | 28,487         | 0                      | 173,633           | 237,692        | 62,893                        | -11,270                         | 3,612,749                 | 23.53%             | 0                             | 1,041,777                 | 499,767                        | 9,297                  | 9,407    |
| 13           |                   | 26              | 315,405            | 83,379              | 4,779                              | 44,414         | 27,683         | 0                      | 155,150           | 235,315        | 78,706                        | -4,348                          | 3,691,455                 | 24.04%             | 0                             | 1,041,777                 | 493,078                        | 9,537                  | 9,415    |
| 14           |                   | 35              | 408,105            | 85,237              | 4,779                              | 44,414         | 28,929         | 0                      | 244,746           | 235,315        | -9,431                        | -4,711                          | 3,682,025                 | 23.98%             | 0                             | 1,041,777                 | 486,389                        | 9,012                  | 9,385    |
| 15           | 37                |                 | 428,705            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 267,244           | 235,315        | -31,928                       | -6,526                          | 3,650,096                 | 23.77%             | 0                             | 1,041,777                 | 479,700                        | 10,300                 |          |
| 16           | 41                |                 | 469,905            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 308,444           | 235,019        | -73,425                       | -10,707                         | 3,576,671                 | 23.29%             | 0                             | 1,041,777                 | 473,011                        | 10,300                 |          |
| 17           | 40                |                 | 459,605            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 298,144           | 235,019        | -63,125                       | -13,790                         | 3,513,546                 | 22.88%             | 0                             | 1,041,777                 | 466,322                        | 10,300                 |          |
| 18           | 35                |                 | 408,105            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 246,644           | 235,019        | -11,625                       | -13,670                         | 3,501,922                 | 22.81%             | 0                             | 1,041,777                 | 459,633                        | 10,300                 |          |
| 19           | 32                |                 | 377,205            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 215,744           | 235,019        | 18,924                        | -11,955                         | 3,520,846                 | 22.93%             | 0                             | 1,041,777                 | 452,944                        | 10,300                 |          |
| 20           | 31                |                 | 366,905            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 205,444           | 235,019        | 29,037                        | -9,905                          | 3,549,883                 | 23.12%             | 0                             | 1,041,777                 | 446,255                        | 10,300                 |          |
| 21           | 34                |                 | 397,805            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 236,344           | 235,019        | -1,325                        | -9,496                          | 3,548,558                 | 23.11%             | 0                             | 1,041,777                 | 439,566                        | 10,300                 |          |
| 22           | 36                |                 | 418,405            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 256,944           | 235,019        | -21,925                       | -10,061                         | 3,526,633                 | 22.97%             | 0                             | 1,041,777                 | 432,877                        | 10,300                 |          |
| 23           | 30                |                 | 356,605            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 195,144           | 235,019        | 39,149                        | -7,922                          | 3,565,782                 | 23.22%             | 0                             | 1,041,777                 | 426,188                        | 10,300                 |          |
| 24           | 28                |                 | 336,005            | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | 174,544           | 235,019        | 59,374                        | -5,118                          | 3,625,157                 | 23.61%             | 0                             | 1,041,777                 | 419,499                        | 10,300                 |          |
| 25           |                   | N/A             |                    | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | N/A               | 235,019        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 10,300                 |          |
| 26           |                   | N/A             |                    | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | N/A               | 235,019        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 10,300                 |          |
| 27           |                   | N/A             |                    | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | N/A               | 235,019        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 10,300                 |          |
| 28           |                   | N/A             |                    | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | N/A               | 235,019        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 10,300                 |          |
| 29           |                   | N/A             |                    | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | N/A               | 235,019        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 10,300                 |          |
| 30           |                   | N/A             |                    | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | N/A               | 235,019        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 10,300                 |          |
| 31           |                   | N/A             |                    | 85,366              | 0                                  | 47,166         | 28,929         | 0                      | N/A               | 235,019        | N/A                           | N/A                             | N/A                       | N/A                | 0                             | N/A                       | N/A                            | 10,300                 |          |
| Totals       |                   | 825             | 9,640,020          | 2,633,942           | 76,464                             | 1,414,536      | 896,059        | 0                      | 5,749,246         | 7,284,273      | -122,826                      |                                 | 3,625,157                 |                    | 0                             |                           |                                |                        |          |

Base/Day 47605

Normal Average HDD's/Day 39.2903

EOM Target 2,277,691

Actual HDD's/Day 39.2857

Normal HDD's for January 1218

WNG 2000/2001 Winter Withdrawal Schedule - TSS

Missouri Gas Energy

2001 17:38

|               |            |                   |            |
|---------------|------------|-------------------|------------|
| Contract      | SA 0014    | Zone              | MKT        |
| Rate Schedule | TSS        | Market Fuel %     | 0.00       |
| MSQ (Dth)     | 15,173,329 | Injection Fuel %  | 0.00       |
| MBIG (Dth)    | Variable   | Withdrawal Fuel % | 0          |
| MDWG (Dth)    | 459,913    | 10/31 Balance     | 11,593,505 |

Includes ISS

| ORIGINAL PLAN |           |         |            | UPDATED PLAN |         |           |
|---------------|-----------|---------|------------|--------------|---------|-----------|
|               | Month     | Day     | Balance    | Month        | Day     | Balance   |
| November      | 4,000,000 | 133,333 | 11,593,505 | 5,627,352    | 187,578 | 9,966,153 |
| December      | 2,849,985 | 91,935  | 8,743,520  | 6,218,170    | 200,586 | 3,747,983 |
| January       | 2,849,985 | 91,935  | 5,893,535  | -31,553      | -1,018  | 3,779,536 |
| February      | 2,558,612 | 91,379  | 3,334,923  | 1,237,582    | 44,199  | 2,541,954 |
| March         | 2,097,341 | 67,656  | 1,237,582  | 2,097,341    | 67,656  | 444,613   |

Note: Above Volumes are Exclusive of Fuel

Includes withdrawals of 2,237,582 for February and transfer of 1 Bcf from FSS storage at EOM

| Withdrawal Month | End-Of-Month Balance | Percent of MSQ |
|------------------|----------------------|----------------|
| November         | 9,966,153            | 65.68%         |
| December         | 3,747,983            | 24.70%         |
| January          | 3,779,536            | 24.91%         |
| February         | 2,541,954            | 16.75%         |
| March            | 444,613              | 2.93%          |

**X. February 16<sup>th</sup>**

## **Ken Hubbard**

---

**From:** David Twichell  
**To:** Brenda Trombetta; Ken Hubbard; Liz Smith; Mark Homestead  
**Cc:** Mike Langston  
**Subject:** March 2001 Supply/Demand Summary  
**Date:** Friday, February 16, 2001 2:58PM  
**Priority:** High

<<File Attachment: SD2001MA.XLS>>

Attached is the final SD Summary for March 2001. Williams supply at points other than Echo has been left 25,000 Dth/day short to accommodate warmer than normal weather should it occur. Conversely, should normal or colder than normal weather occur, there is the possibility we may have to purchase gas intra-month. Please call if you have any questions.

Thanks,

D. Twichell

# MISSOURI GAS ENERGY

SUPPLY / DEMAND SUMMARY  
March 2001 - Final

March Demand

8,448,472 Monthly Total  
272,531 Daily Average  
691 HDD's

FDP = 839109 Dth of 29 HDD's

## WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)  
PRD Available 208,513

| MMBTU PER DAY | FUEL MMBTU PER DAY | TOTAL DAILY |
|---------------|--------------------|-------------|
| 200,967       | 4,514              | 144,366     |
| -61,115       | 0                  | 0           |
| 0             | 0                  | 0           |
| 139,852       | 4,514              | 144,366     |

## PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)  
SUB-TOTAL PEPL DEMAND

Avg (3980 DS, 4592 WB, 2000 BL, 1000 KC)  
Storage With Nominate 4181 Dth/d

|        |     |       |
|--------|-----|-------|
| 11,572 | 161 | 7,613 |
| -4,120 | 0   | 0     |
| 7,452  | 161 | 7,613 |

## PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

|   |   |   |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 0 | 0 |

## PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

|        |       |        |
|--------|-------|--------|
| 49,000 | 1,672 | 50,672 |
| 49,000 | 1,672 | 50,672 |

## PXP @ WGPC GLAYIN

SUB-TOTAL PXP @ WGPC GLAYIN

Delivered WGPC KC Meters

|       |     |       |
|-------|-----|-------|
| 5,992 | 277 | 6,269 |
| 5,992 | 277 | 6,269 |

## KPC CUSTOMER DEMAND

SUB-TOTAL KPOC DEMAND

|       |     |       |
|-------|-----|-------|
| 5,000 | 186 | 5,186 |
| 5,000 | 186 | 5,186 |

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

|         |       |         |
|---------|-------|---------|
| 207,296 | 6,810 | 214,106 |
|---------|-------|---------|

## ASSIGNED TERM SUPPLIES

31  
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ ECHO SPRINGS  
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002  
GP 30003  
GP 30003

| MINIMUMS/D | MAXIMUMS/D | PLAND  |
|------------|------------|--------|
| 0          | 0          | 17,808 |
| 0          | 0          | 15,000 |
| 0          | 0          | 22,500 |
| 0          | 0          | 55,308 |

SUB-TOTAL ASSIGNED TERM SUPPLIES

## ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

|   |   |       |
|---|---|-------|
| 0 | 0 | 1,000 |
| 0 | 0 | 1,000 |

## DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS  
PONY EXPRESS @ CHEYENNE  
WILLIAMS  
PANHANDLE  
KANSAS PIPELINE  
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

|   |   |         |
|---|---|---------|
| 0 | 0 | 25,535  |
| 0 | 0 | 55,941  |
| 0 | 0 | 38,523  |
| 0 | 0 | 7,613   |
| 0 | 0 | 5,186   |
| 0 | 0 | 0       |
| 0 | 0 | 132,798 |

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

|   |   |         |
|---|---|---------|
| 0 | 0 | 189,106 |
|---|---|---------|

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

|         |
|---------|
| -25,000 |
|---------|

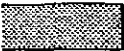
Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806

| Echo Flow Capacity (Excludes Production Fuel) |        |
|-----------------------------------------------|--------|
| Amoco                                         | 17,808 |
| Oxy                                           | 15,000 |
| Duke                                          | 25,535 |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
|                                               | 0      |
| Total Supply                                  | 58,343 |
| Total Remaining                               | 0      |

| WNG PEAK DAY REQUIREMENT (Net of Fuel) |          |
|----------------------------------------|----------|
| WNG FULL TRANSPORT                     | 737,626  |
| LESS MAX STORAGE WITHDRAWAL            | -493,813 |
| FLOWING GAS NEEDS                      | 243,813  |
| WNG NOMINATED                          | -115,634 |
|                                        | 0        |
|                                        | 0        |
|                                        | 0        |
| PEAK DAY NEEDS                         | 128,179  |



TOTAL  
MONTHLY

4,475,346  
0  
0  
4,475,346

236,003  
0  
236,003

0  
0

1,570,832  
1,570,832

194,339  
194,339

160,766  
160,766

6,637,286

PLAN/MO

552,048  
465,000  
697,500

1,714,548

31,000

31,000

791,585  
1,734,171  
1,194,213  
236,003  
160,766  
0

4,116,738

5,862,286

-775,000

25,000

**XI. March 8<sup>th</sup> through 31<sup>st</sup>**

# **MGE March 2001 Incremental Volumes and Prices**

| <u>Date</u>  | <u>Volume</u>  | <u>Price</u> | <u>Price Calculation</u> | <u>Pipeline</u> |
|--------------|----------------|--------------|--------------------------|-----------------|
| 3/8/01       | 20,000         | \$5.2836     | 102% of WNG GDD          | Williams        |
| 3/9/01       | 20,000         | \$5.3142     | 102% of WNG GDD          | Williams        |
| 3/10/01      | 20,000         | \$5.1918     | 102% of WNG GDD          | Williams        |
| 3/11/01      | 20,000         | \$5.1918     | 102% of WNG GDD          | Williams        |
| 3/12/01      | 20,000         | \$5.1918     | 102% of WNG GDD          | Williams        |
| 3/13/01      | 30,000         | \$5.0439     | 102% of WNG GDD          | Williams        |
| 3/14/01      | 30,000         | \$5.1510     | 102% of WNG GDD          | Williams        |
| 3/15/01      | 30,000         | \$5.0643     | 102% of WNG GDD          | Williams        |
| 3/16/01      | 30,000         | \$5.0235     | 102% of WNG GDD          | Williams        |
| 3/17/01      | 30,000         | \$5.0745     | 102% of WNG GDD          | Williams        |
| 3/18/01      | 30,000         | \$5.0745     | 102% of WNG GDD          | Williams        |
| 3/19/01      | 30,000         | \$5.0745     | 102% of WNG GDD          | Williams        |
| 3/20/01      | 30,000         | \$5.1508     | 102% of WNG GDD          | Williams        |
| 3/21/01      | 30,000         | \$5.0847     | 102% of WNG GDD          | Williams        |
| 3/22/01      | 30,000         | \$5.1714     | 102% of WNG GDD          | Williams        |
| 3/23/01      | 30,000         | \$5.0370     | 102% of WNG GDD          | Williams        |
| 3/24/01      | 30,000         | \$5.2479     | 102% of WNG GDD          | Williams        |
| 3/25/01      | 30,000         | \$5.2479     | 102% of WNG GDD          | Williams        |
| 3/26/01      | 30,000         | \$5.2479     | 102% of WNG GDD          | Williams        |
| 3/27/01      | 30,000         | \$5.2530     | 102% of WNG GDD          | Williams        |
| 3/28/01      | 30,000         | \$5.4570     | 102% of WNG GDD          | Williams        |
| 3/29/01      | 30,000         | \$5.6100     | 102% of WNG GDD          | Williams        |
| 3/30/01      | 30,000         | \$5.3601     | 102% of WNG GDD          | Williams        |
| 3/31/01      | 30,000         | \$5.3040     | 102% of WNG GDD          | Williams        |
| <b>TOTAL</b> | <u>670,000</u> |              |                          |                 |

Liz Smith

---

From: Ken Hubbard  
To: Brenda Trombetta; David Twichell; Liz Smith; Sandy Ready  
Subject: RE: MGE Incremental Gas - March  
Date: Friday, March 09, 2001 9:59AM

I have asked Mark to increase our incremental gas from 20,000 per day to 30,000 per day after discussion with Mike this morning. Mark said he will begin the 30,000 on Tuesday. Let's take another close look at this on Monday. I will be out of the office beginning Tuesday morning at 10 am thru Friday. Thanks.

From: Ken Hubbard  
To: Brenda Trombetta; Liz Smith; David Twichell  
Subject: MGE Incremental Gas - March  
Date: Tuesday, March 06, 2001 1:19PM

I have asked Mark Homestead for additional supply of 20,000 per day delivered into Williams beginning on Thursday. He will be trading for the gas in the morning and should provide scheduling information between 8am and 9:30am in the morning (Wednesday).

We will need to evaluate our situation again next week (Monday or Tuesday morning) to see if additional supply is needed. When will the final storage number be available from February?

I will be out of the office next week beginning Tuesday afternoon until the end of the week subject to change at a moments notice. The following week I will potentially be out of the office Monday thru Thursday.

*20,000 / Day 3/8-3/12 = 100,000  
30,000 / Day 3/13-3/31 = 570,000*

Liz Smith

---

From: Ken Hubbard  
To: Liz Smith  
Subject: RE: MGE Incremental Gas - March  
Date: Thursday, March 08, 2001 9:26AM

No, It will be at the contractual Call Option price which is 102% of Gas Daily ???? if I remember correctly. Let's take a look at the contract and see if we can figure out where we need to go to confirm the pricing.

From: Liz Smith  
To: Ken Hubbard  
Subject: RE: MGE Incremental Gas - March  
Date: Thursday, March 08, 2001 8:19AM

Will this additional supply be at a fixed price? I haven't received a confirmation yet from Duke with any info.

Thanks,  
Liz

From: Ken Hubbard  
To: Brenda Trombetta; David Twichell; Liz Smith  
Subject: MGE Incremental Gas - March  
Date: Tuesday, March 06, 2001 1:19PM

I have asked Mark Homestead for additional supply of 20,000 per day delivered into Williams beginning on Thursday. He will be trading for the gas in the morning and should provide scheduling information between 8am and 9:30am in the morning (Wednesday).

We will need to evaluate our situation again next week (Monday or Tuesday morning) to see if additional supply is needed. When will the final storage number be available from February?

I will be out of the office next week beginning Tuesday afternoon until the end of the week subject to change at a moments notice. The following week I will potentially be out of the office Monday thru Thursday.

Williams Natural Gas Storage Analysis  
March 2001 Estimates  
Based on 9AM to 9AM Gas Day  
All Volumes in Dth

3/6 Supply Analysis -  
Met w/ Mike  
add'l 20,000  
per day

Estimated TSS Storage Balance 2/28/2001

2,200,249

← estimate

Draft

ANVING  
Copy

3/5 2:45 PM

| 31<br>Mar-01 | Forecast<br>HDD's | actual<br>HDD's | Forecast<br>Demand | KN @<br>107th & Elm | KN @<br>Glavin (WNG)<br>After Fuel | Served<br>KPOC | Served<br>PEPL | OT<br>System<br>Sales | WNG<br>Obligation | WNG<br>Flowing | TSS<br>Daily<br>With(-)/In(+) | TSS<br>Average<br>With(-)/In(+) | TSS<br>Storage<br>Balance | TSS<br>% OF<br>MSQ | FSS<br>Daily<br>With(-)/In(+) | FSS<br>Storage<br>Balance | PEPL/WS<br>Storage<br>Balance | Heat/HDD | Cumulative<br>Heat/HDD |
|--------------|-------------------|-----------------|--------------------|---------------------|------------------------------------|----------------|----------------|-----------------------|-------------------|----------------|-------------------------------|---------------------------------|---------------------------|--------------------|-------------------------------|---------------------------|-------------------------------|----------|------------------------|
| 1            |                   | 32              | 345,205            | 55,131              | 0                                  | 15,801         | 11,838         | 0                     | 262,435           | 112,547        | -149,888                      | -149,888                        | 2,050,361                 | 13.35%             | 0                             | 41,777                    | 194,563                       | 10,074   | 10,074                 |
| 2            |                   | 33              | 354,505            | 55,346              | 0                                  | 15,808         | 11,813         | 0                     | 271,538           | 112,547        | -158,991                      | -154,439                        | 1,891,370                 | 12.32%             | 0                             | 41,777                    | 190,382                       | 8,545    | 9,298                  |
| 3            |                   | 27              | 298,705            | 54,985              | 0                                  | 15,854         | 12,317         | 0                     | 215,549           | 112,547        | -103,002                      | -137,294                        | 1,788,368                 | 11.65%             | 0                             | 41,777                    | 186,201                       | 8,954    | 9,197                  |
| 4            |                   | 28              | 308,005            | 55,207              | 0                                  | 15,836         | 11,590         | 0                     | 225,372           | 112,547        | -112,825                      | -131,176                        | 1,675,544                 | 10.91%             | 0                             | 41,777                    | 182,020                       | 9,754    | 9,327                  |
| 5            | 36                |                 | 382,405            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 310,754           | 112,547        | -198,207                      | -144,583                        | 1,477,336                 | 9.62%              | 0                             | 41,777                    | 177,839                       | 9,300    |                        |
| 6            | 30                |                 | 326,605            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 254,954           | 112,547        | -142,407                      | -144,220                        | 1,334,929                 | 8.69%              | 0                             | 41,777                    | 173,658                       | 9,300    |                        |
| 7            | 32                |                 | 345,205            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 273,554           | 112,547        | -161,007                      | -146,618                        | 1,173,922                 | 7.64%              | 0                             | 41,777                    | 169,477                       | 9,300    |                        |
| 8            | 30                |                 | 326,605            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 254,954           | 112,547        | -142,407                      | -146,092                        | 1,031,515                 | 6.72%              | 0                             | 41,777                    | 165,296                       | 9,300    |                        |
| 9            | 25                |                 | 280,105            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 208,454           | 112,547        | -95,907                       | -140,516                        | 935,608                   | 6.09%              | 0                             | 41,777                    | 161,115                       | 9,300    |                        |
| 10           | 23                |                 | 261,505            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 189,854           | 112,547        | -77,307                       | -134,195                        | 858,301                   | 5.59%              | 0                             | 41,777                    | 156,934                       | 9,300    |                        |
| 11           | 20                |                 | 233,605            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 161,954           | 112,547        | -49,407                       | -126,487                        | 808,894                   | 5.27%              | 0                             | 41,777                    | 152,753                       | 9,300    |                        |
| 12           | 20                |                 | 233,605            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 161,954           | 112,547        | -49,407                       | -120,064                        | 759,486                   | 4.95%              | 0                             | 41,777                    | 148,572                       | 9,300    |                        |
| 13           | 20                |                 | 233,605            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 161,954           | 112,547        | -49,407                       | -114,628                        | 710,079                   | 4.62%              | 0                             | 41,777                    | 144,391                       | 9,300    |                        |
| 14           | 20                |                 | 233,605            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 161,954           | 112,547        | -49,407                       | -109,970                        | 660,672                   | 4.30%              | 0                             | 41,777                    | 140,210                       | 9,300    |                        |
| 15           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -107,352                        | 589,968                   | 3.84%              | 0                             | 41,777                    | 136,029                       | 9,300    |                        |
| 16           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -103,062                        | 519,264                   | 3.38%              | 0                             | 41,777                    | 131,848                       | 9,300    |                        |
| 17           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -103,041                        | 448,560                   | 2.92%              | 0                             | 41,777                    | 127,667                       | 9,300    |                        |
| 18           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -101,244                        | 377,856                   | 2.46%              | 0                             | 41,777                    | 123,486                       | 9,300    |                        |
| 19           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -99,637                         | 307,152                   | 2.00%              | 0                             | 41,777                    | 119,305                       | 9,300    |                        |
| 20           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -98,190                         | 236,447                   | 1.54%              | 0                             | 41,777                    | 115,124                       | 9,300    |                        |
| 21           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -96,881                         | 165,743                   | 1.08%              | 0                             | 41,777                    | 110,943                       | 9,300    |                        |
| 22           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -95,691                         | 95,039                    | 0.62%              | 0                             | 41,777                    | 106,762                       | 9,300    |                        |
| 23           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -94,605                         | 24,335                    | 0.16%              | 0                             | 41,777                    | 102,581                       | 9,300    |                        |
| 24           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -93,609                         | -46,369                   | -0.30%             | 0                             | 41,777                    | 98,400                        | 9,300    |                        |
| 25           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -92,693                         | -117,073                  | -0.76%             | 0                             | 41,777                    | 94,219                        | 9,300    |                        |
| 26           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -91,847                         | -187,777                  | -1.22%             | 0                             | 41,777                    | 90,038                        | 9,300    |                        |
| 27           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -91,064                         | -258,482                  | -1.68%             | 0                             | 41,777                    | 85,857                        | 9,300    |                        |
| 28           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -90,337                         | -329,186                  | -2.14%             | 0                             | 41,777                    | 81,676                        | 9,300    |                        |
| 29           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -89,660                         | -399,890                  | -2.60%             | 0                             | 41,777                    | 77,495                        | 9,300    |                        |
| 30           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -89,028                         | -470,594                  | -3.06%             | 0                             | 41,777                    | 73,314                        | 9,300    |                        |
| 31           | 22                |                 | 254,902            | 55,062              | 0                                  | 4,999          | 11,590         | 0                     | 183,251           | 112,547        | -70,704                       | -88,437                         | -541,298                  | -3.53%             | 0                             | 41,777                    | 69,133                        | 9,300    |                        |
| Totals       |                   | 755             | 8,496,604          | 1,707,342           | 0                                  | 198,266        | 360,488        | 0                     | 6,230,508         | 3,488,961      | -2,741,547                    |                                 | -541,298                  |                    | 0                             |                           |                               |          |                        |

54

Base/Day 47605

Normal Average HDD's/Day 22.2903

actual HDD's/Day 24.3526

Normal HDD's for January 691

EOM Target 500,000

11

Williams Natural Gas Storage Analysis  
March 2001 Estimates  
Based on 9AM to 9AM Gas Day  
All Volumes in Dth

Estimated TSS Storage Balance 2/28/2001

2,200,249

3/8 5:17 PM

3/a Adjust to 30,000/day on 2/13/01

| 11     | Forecast | actual | Forecast  | KN @        | KN @                    | Served  | Served  | Off          | WNG       | WNG       | TSS           | TSS           | TSS             | TSS      | FSS           | FSS             | PEPL/WVS        | Cumulative |
|--------|----------|--------|-----------|-------------|-------------------------|---------|---------|--------------|-----------|-----------|---------------|---------------|-----------------|----------|---------------|-----------------|-----------------|------------|
| Mar-01 | HDD's    | HDD's  | Demand    | 107th & Elm | Glavin (WNG) After Fuel | KPOC    | PEPL    | System Sales | Obligatio | Flowing   | With(-)/In(+) | With(-)/In(+) | Storage Balance | % OF MSQ | With(-)/In(+) | Storage Balance | Storage Balance | Heat/HDD   |
| 1      |          | 32     | 345,205   | 55,131      | 0                       | 15,801  | 11,838  | 0            | 262,435   | 112,547   | -149,888      | -149,888      | 2,050,361       | 13.35%   | 0             | 41,777          | 194,563         | 10,074     |
| 2      |          | 33     | 354,505   | 55,346      | 0                       | 15,808  | 11,813  | 0            | 271,538   | 112,547   | -158,991      | -154,439      | 1,891,370       | 12.32%   | 0             | 41,777          | 190,382         | 8,545      |
| 3      |          | 27     | 298,705   | 54,985      | 0                       | 15,854  | 12,317  | 0            | 215,549   | 112,547   | -103,002      | -137,294      | 1,788,368       | 11.65%   | 0             | 41,777          | 186,201         | 8,954      |
| 4      |          | 28     | 308,005   | 55,207      | 0                       | 15,836  | 11,741  | 0            | 225,221   | 112,547   | -112,674      | -131,139      | 1,675,695       | 10.91%   | 0             | 41,777          | 182,020         | 9,754      |
| 5      |          | 32     | 345,205   | 55,215      | 0                       | 15,834  | 11,590  | 0            | 262,566   | 112,547   | -150,019      | -134,915      | 1,525,676       | 9.94%    | 0             | 41,777          | 177,839         | 9,287      |
| 6      |          | 31     | 335,905   | 55,344      | 0                       | 15,833  | 11,590  | 0            | 253,138   | 112,547   | -140,591      | -135,861      | 1,385,085       | 9.02%    | 0             | 41,777          | 173,658         | 8,231      |
| 7      |          | 31     | 335,905   | 57,144      | 0                       | 15,826  | 11,590  | 0            | 251,345   | 112,547   | -138,798      | -136,280      | 1,246,287       | 8.12%    | 0             | 41,777          | 169,477         | 7,986      |
| 8      | 31       |        | 335,905   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 264,254   | 131,922   | -132,333      | -135,787      | 1,113,954       | 7.25%    | 0             | 41,777          | 165,296         | 9,300      |
| 9      | 21       |        | 242,905   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 171,254   | 131,922   | -39,333       | -125,070      | 1,074,622       | 7.00%    | 0             | 41,777          | 161,115         | 9,300      |
| 10     | 22       |        | 252,205   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 180,554   | 131,922   | -48,633       | -117,426      | 1,025,989       | 6.68%    | 0             | 41,777          | 156,934         | 9,300      |
| 11     | 25       |        | 280,105   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 208,454   | 131,922   | -76,533       | -113,708      | 949,457         | 6.18%    | 0             | 41,777          | 152,753         | 9,300      |
| 12     | 23       |        | 261,505   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 189,854   | 141,609   | -48,245       | -108,253      | 901,212         | 5.87%    | 0             | 41,777          | 148,572         | 9,300      |
| 13     | 23       |        | 261,505   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 189,854   | 141,609   | -48,245       | -103,637      | 852,966         | 5.55%    | 0             | 41,777          | 144,391         | 9,300      |
| 14     | 23       |        | 261,505   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 189,854   | 141,609   | -48,245       | -99,681       | 804,721         | 5.24%    | 0             | 41,777          | 140,210         | 9,300      |
| 15     | 30       |        | 326,605   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 254,954   | 141,609   | -113,345      | -100,592      | 691,376         | 4.50%    | 0             | 41,777          | 136,029         | 9,300      |
| 16     | 27       |        | 298,705   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 227,054   | 141,609   | -85,445       | -99,645       | 605,931         | 3.95%    | 0             | 41,777          | 131,848         | 9,300      |
| 17     | 25       |        | 280,105   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 208,454   | 141,609   | -66,845       | -97,715       | 539,086         | 3.51%    | 0             | 41,777          | 127,667         | 9,300      |
| 18     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -92,384       | 537,340         | 3.50%    | 0             | 41,777          | 123,486         | 9,300      |
| 19     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -87,613       | 535,595         | 3.49%    | 0             | 41,777          | 119,305         | 9,300      |
| 20     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -83,320       | 533,850         | 3.48%    | 0             | 41,777          | 115,124         | 9,300      |
| 21     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -79,435       | 532,105         | 3.47%    | 0             | 41,777          | 110,943         | 9,300      |
| 22     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -75,904       | 530,360         | 3.45%    | 0             | 41,777          | 106,762         | 9,300      |
| 23     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -72,680       | 528,614         | 3.44%    | 0             | 41,777          | 102,581         | 9,300      |
| 24     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -69,724       | 526,869         | 3.43%    | 0             | 41,777          | 98,400          | 9,300      |
| 25     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -67,005       | 525,124         | 3.42%    | 0             | 41,777          | 94,219          | 9,300      |
| 26     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -64,495       | 523,379         | 3.41%    | 0             | 41,777          | 90,038          | 9,300      |
| 27     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -62,171       | 521,634         | 3.40%    | 0             | 41,777          | 85,857          | 9,300      |
| 28     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -60,013       | 519,888         | 3.39%    | 0             | 41,777          | 81,676          | 9,300      |
| 29     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -58,004       | 518,143         | 3.37%    | 0             | 41,777          | 77,495          | 9,300      |
| 30     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -56,128       | 516,398         | 3.36%    | 0             | 41,777          | 73,314          | 9,300      |
| 31     | 18       |        | 215,005   | 55,062      | 0                       | 4,999   | 11,590  | 0            | 143,354   | 141,609   | -1,745        | -54,374       | 514,653         | 3.35%    | 0             | 41,777          | 69,133          | 9,300      |
| Totals |          | 716    | 8,134,555 | 1,709,859   | 0                       | 230,763 | 360,639 | 0            | 5,833,294 | 4,147,698 | -1,685,596    |               | 514,653         |          | 0             |                 |                 |            |

Base/Day 47605

Normal Average HDD's/Day 22.2903

EOM Target 500,000

actual HDD's/Day 65.0909

Normal HDD's for January 691

Actual TSS Storage Balance 2/28/2001

2,515,613

*Analgo's Increase Gas*

3/19/73

| 24 Mar-01 | Forecast HDD's | actual HDD's | Forecast Demand | KN @ 107th & Elm | KN @ Glavin (WNG) After Fuel | Served KPOC | Served PEPL | Off System Sales | WNG Obligation | WNG Flowing | TSS Daily With(-)/Inj(+) | TSS Average With(-)/Inj(+) | TSS Storage Balance | TSS % OF MSQ | FSS Daily With(-)/Inj(+) | FSS Storage Balance | PEPL/WS Storage Balance | Heat/HDD | Cumulativ Heat/HDI |
|-----------|----------------|--------------|-----------------|------------------|------------------------------|-------------|-------------|------------------|----------------|-------------|--------------------------|----------------------------|---------------------|--------------|--------------------------|---------------------|-------------------------|----------|--------------------|
| 1         |                | 32           | 345,205         | 55,131           | 0                            | 4,975       | 11,838      | 0                | 273,261        | 112,547     | -160,714                 | -160,714                   | 2,354,899           | 15.34%       | 0                        | 41,777              | 194,563                 | 10,032   | 10,032             |
| 2         |                | 33           | 354,505         | 55,346           | 0                            | 4,982       | 11,813      | 0                | 282,364        | 112,547     | -169,817                 | -165,265                   | 2,185,082           | 14.23%       | 0                        | 41,777              | 190,382                 | 8,524    | 9,266              |
| 3         |                | 27           | 298,705         | 54,985           | 0                            | 5,028       | 12,317      | 0                | 226,375        | 112,547     | -113,828                 | -148,120                   | 2,071,254           | 13.49%       | 0                        | 41,777              | 186,201                 | 8,933    | 9,169              |
| 4         |                | 28           | 308,005         | 55,207           | 0                            | 5,010       | 11,741      | 0                | 236,047        | 112,547     | -123,500                 | -141,965                   | 1,947,755           | 12.68%       | 0                        | 41,777              | 182,020                 | 9,748    | 9,304              |
| 5         |                | 32           | 345,205         | 55,215           | 0                            | 5,008       | 11,672      | 0                | 273,310        | 112,547     | -160,763                 | -145,724                   | 1,786,992           | 11.64%       | 0                        | 41,777              | 177,839                 | 9,285    | 9,300              |
| 6         |                | 31           | 335,905         | 55,344           | 0                            | 5,007       | 11,626      | 0                | 263,928        | 112,547     | -151,381                 | -146,667                   | 1,635,611           | 10.65%       | 0                        | 41,777              | 173,658                 | 8,224    | 9,118              |
| 7         |                | 31           | 335,905         | 57,144           | 0                            | 5,000       | 11,140      | 0                | 262,621        | 112,547     | -150,074                 | -147,154                   | 1,485,537           | 9.67%        | 0                        | 41,777              | 169,477                 | 7,983    | 8,953              |
| 8         |                | 33           | 354,505         | 55,066           | 0                            | 5,010       | 11,436      | 0                | 282,993        | 131,922     | -151,071                 | -147,643                   | 1,334,466           | 8.69%        | 0                        | 41,777              | 165,296                 | 7,968    | 8,822              |
| 9         |                | 26           | 289,405         | 55,078           | 0                            | 4,467       | 11,952      | 0                | 217,908        | 131,922     | -85,986                  | -140,793                   | 1,248,479           | 8.13%        | 0                        | 41,777              | 161,115                 | 8,442    | 8,785              |
| 10        |                | 16           | 196,405         | 55,195           | 0                            | 5,017       | 12,022      | 0                | 124,171        | 131,922     | 7,610                    | -125,952                   | 1,256,089           | 8.18%        | 0                        | 41,777              | 156,934                 | 9,953    | 8,850              |
| 11        |                | 22           | 252,205         | 55,168           | 0                            | 5,008       | 13,091      | 0                | 178,938        | 131,922     | -47,016                  | -118,776                   | 1,209,073           | 7.87%        | 0                        | 41,777              | 152,753                 | 8,511    | 8,826              |
| 12        |                | 23           | 261,505         | 55,111           | 0                            | 5,001       | 12,667      | 0                | 188,726        | 131,922     | -56,804                  | -113,612                   | 1,152,269           | 7.50%        | 0                        | 41,777              | 148,572                 | 7,899    | 8,762              |
| 13        |                | 15           | 187,105         | 55,134           | 0                            | 4,975       | 11,222      | 0                | 115,774        | 141,609     | 25,365                   | -102,922                   | 1,177,633           | 7.67%        | 0                        | 41,777              | 144,391                 | 8,521    | 8,752              |
| 14        |                | 7            | 112,705         | 55,197           | 0                            | 5,013       | 10,753      | 0                | 41,742         | 141,609     | 98,049                   | -88,566                    | 1,275,683           | 8.31%        | 0                        | 41,777              | 140,210                 | 11,174   | 8,799              |
| 15        |                | 27           | 298,705         | 55,179           | 0                            | 4,982       | 11,300      | 0                | 227,244        | 141,609     | -85,635                  | -88,371                    | 1,190,048           | 7.75%        | 0                        | 41,777              | 136,029                 | 9,665    | 8,860              |
| 16        |                | 33           | 354,505         | 55,163           | 0                            | 5,008       | 13,920      | 0                | 280,414        | 141,609     | -138,805                 | -91,523                    | 1,051,243           | 6.85%        | 0                        | 41,777              | 131,848                 | 9,479    | 8,910              |
| 17        |                | 29           | 317,305         | 55,106           | 0                            | 5,007       | 12,844      | 0                | 244,348        | 141,609     | -102,739                 | -92,183                    | 948,504             | 6.18%        | 0                        | 41,777              | 127,667                 | 8,258    | 8,867              |
| 18        | 23             |              | 261,505         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 189,854        | 141,609     | -48,245                  | -89,742                    | 900,259             | 5.86%        | 0                        | 41,777              | 123,486                 | 9,300    |                    |
| 19        | 24             |              | 270,805         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 199,154        | 141,609     | -57,545                  | -88,047                    | 842,714             | 5.49%        | 0                        | 41,777              | 119,305                 | 9,300    |                    |
| 20        | 16             |              | 196,405         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 124,754        | 112,547     | -12,207                  | -84,255                    | 830,507             | 5.41%        | 0                        | 41,777              | 115,124                 | 9,300    |                    |
| 21        | 17             |              | 205,705         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 134,054        | 112,547     | -21,507                  | -81,267                    | 808,999             | 5.27%        | 0                        | 41,777              | 110,943                 | 9,300    |                    |
| 22        | 21             |              | 242,905         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 171,254        | 112,547     | -58,707                  | -80,242                    | 750,292             | 4.89%        | 0                        | 41,777              | 106,762                 | 9,300    |                    |
| 23        | 24             |              | 270,805         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 199,154        | 112,547     | -86,607                  | -80,519                    | 663,685             | 4.32%        | 0                        | 41,777              | 102,581                 | 9,300    |                    |
| 24        | 21             |              | 242,905         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 171,254        | 112,547     | -58,707                  | -79,610                    | 604,978             | 3.94%        | 0                        | 41,777              | 98,400                  | 9,300    |                    |
| 25        | 19             |              | 224,305         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 152,654        | 112,547     | -40,107                  | -78,030                    | 564,871             | 3.68%        | 0                        | 41,777              | 94,219                  | 9,300    |                    |
| 26        | 26             |              | 289,405         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 217,754        | 112,547     | -105,207                 | -79,075                    | 459,664             | 2.99%        | 0                        | 41,777              | 90,038                  | 9,300    |                    |
| 27        | 24             |              | 270,805         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 199,154        | 112,547     | -86,607                  | -79,354                    | 373,057             | 2.43%        | 0                        | 41,777              | 85,857                  | 9,300    |                    |
| 28        | 18             |              | 215,005         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 143,354        | 112,547     | -30,807                  | -77,620                    | 342,250             | 2.23%        | 0                        | 41,777              | 81,676                  | 9,300    |                    |
| 29        | 18             |              | 215,005         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 143,354        | 112,547     | -30,807                  | -76,006                    | 311,442             | 2.03%        | 0                        | 41,777              | 77,495                  | 9,300    |                    |
| 30        | 18             |              | 215,005         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 143,354        | 112,547     | -30,807                  | -74,499                    | 280,635             | 1.83%        | 0                        | 41,777              | 73,314                  | 9,300    |                    |
| 31        | 18             |              | 215,005         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 143,354        | 112,547     | -30,807                  | -73,090                    | 249,828             | 1.63%        | 0                        | 41,777              | 69,133                  | 9,300    |                    |
| Totals    |                | 732          | 8,283,355       | 1,710,636        | 0                            | 154,481     | 365,614     | 0                | 6,052,624      | 3,789,268   | -2,265,785               |                            | 249,828             |              | 0                        |                     |                         |          |                    |

Base/Day 47605

Normal Average HDD's/Day 22.2903  
 actual HDD's/Day 30.5000  
 Normal HDD's for January 691

EOM Target 500,000

*noted*

| 24<br>Mar-01 | Forecast<br>HDD's | actual<br>HDD's | Forecast<br>Demand | KN @<br>107th & Elm | KN @<br>Glavin (WNG)<br>After Fuel | Served<br>KPOC | Served<br>PEPL | Off<br>System<br>Sales | WNG<br>Obligation | WNG<br>Flowing | TSS<br>Daily<br>With(-)/In(+) | TSS<br>Average<br>With(-)/In(+) | TSS<br>Storage<br>Balance | TSS<br>% OF<br>MSQ | FSS<br>Daily<br>With(-)/In(+) | FSS<br>Storage<br>Balance | PEPL/WS<br>Storage<br>Balance | Heat/HDD | Cumulative<br>Heat/HD |
|--------------|-------------------|-----------------|--------------------|---------------------|------------------------------------|----------------|----------------|------------------------|-------------------|----------------|-------------------------------|---------------------------------|---------------------------|--------------------|-------------------------------|---------------------------|-------------------------------|----------|-----------------------|
| 1            |                   | 32              | 345,205            | 55,131              | 0                                  | 4,975          | 11,838         | 0                      | 273,261           | 112,547        | -160,714                      | -160,714                        | 2,354,899                 | 15.34%             | 0                             | 41,777                    | 194,563                       | 10,032   | 10,032                |
| 2            |                   | 33              | 354,505            | 55,346              | 0                                  | 4,982          | 11,813         | 0                      | 282,364           | 112,547        | -169,817                      | -165,265                        | 2,185,082                 | 14.23%             | 0                             | 41,777                    | 190,382                       | 8,524    | 9,266                 |
| 3            |                   | 27              | 298,705            | 54,985              | 0                                  | 5,028          | 12,317         | 0                      | 226,375           | 112,547        | -113,828                      | -148,120                        | 2,071,254                 | 13.49%             | 0                             | 41,777                    | 186,201                       | 8,933    | 9,169                 |
| 4            |                   | 28              | 308,005            | 55,207              | 0                                  | 5,010          | 11,741         | 0                      | 236,047           | 112,547        | -123,500                      | -141,965                        | 1,947,755                 | 12.68%             | 0                             | 41,777                    | 182,020                       | 9,748    | 9,304                 |
| 5            |                   | 32              | 345,205            | 55,215              | 0                                  | 5,008          | 11,672         | 0                      | 273,310           | 112,547        | -160,763                      | -145,724                        | 1,786,992                 | 11.64%             | 0                             | 41,777                    | 177,839                       | 9,285    | 9,300                 |
| 6            |                   | 31              | 335,905            | 55,344              | 0                                  | 5,007          | 11,626         | 0                      | 263,928           | 112,547        | -151,381                      | -146,667                        | 1,635,611                 | 10.65%             | 0                             | 41,777                    | 173,658                       | 8,224    | 9,118                 |
| 7            |                   | 31              | 335,905            | 57,144              | 0                                  | 5,000          | 11,140         | 0                      | 262,621           | 112,547        | -150,074                      | -147,154                        | 1,485,537                 | 9.67%              | 0                             | 41,777                    | 169,477                       | 7,983    | 8,953                 |
| 8            |                   | 33              | 354,505            | 55,066              | 0                                  | 5,010          | 11,436         | 0                      | 282,993           | 131,922        | -151,071                      | -147,643                        | 1,334,466                 | 8.69%              | 0                             | 41,777                    | 165,296                       | 7,968    | 8,822                 |
| 9            |                   | 26              | 289,405            | 55,078              | 0                                  | 4,467          | 11,952         | 0                      | 217,908           | 131,922        | -85,986                       | -140,793                        | 1,248,479                 | 8.13%              | 0                             | 41,777                    | 161,115                       | 8,442    | 8,785                 |
| 10           |                   | 16              | 196,405            | 55,195              | 0                                  | 5,017          | 12,022         | 0                      | 124,171           | 131,922        | 7,610                         | -125,952                        | 1,256,089                 | 8.18%              | 0                             | 41,777                    | 156,934                       | 9,953    | 8,850                 |
| 11           |                   | 22              | 252,205            | 55,168              | 0                                  | 5,008          | 13,091         | 0                      | 178,938           | 131,922        | -47,016                       | -118,776                        | 1,209,073                 | 7.87%              | 0                             | 41,777                    | 152,753                       | 8,511    | 8,826                 |
| 12           |                   | 23              | 261,505            | 55,111              | 0                                  | 5,001          | 12,667         | 0                      | 188,726           | 131,922        | -56,804                       | -113,612                        | 1,152,269                 | 7.50%              | 0                             | 41,777                    | 148,572                       | 7,899    | 8,762                 |
| 13           |                   | 15              | 187,105            | 55,134              | 0                                  | 4,975          | 11,222         | 0                      | 115,774           | 141,609        | 25,365                        | -102,922                        | 1,177,633                 | 7.67%              | 0                             | 41,777                    | 144,391                       | 8,521    | 8,752                 |
| 14           |                   | 7               | 112,705            | 55,197              | 0                                  | 5,013          | 10,753         | 0                      | 41,742            | 141,609        | 98,049                        | -88,566                         | 1,275,683                 | 8.31%              | 0                             | 41,777                    | 140,210                       | 11,174   | 8,799                 |
| 15           |                   | 27              | 298,705            | 55,179              | 0                                  | 4,982          | 11,300         | 0                      | 227,244           | 141,609        | -85,635                       | -88,371                         | 1,190,048                 | 7.75%              | 0                             | 41,777                    | 136,029                       | 9,665    | 8,860                 |
| 16           |                   | 33              | 354,505            | 55,163              | 0                                  | 5,008          | 13,920         | 0                      | 280,414           | 141,609        | -138,805                      | -91,523                         | 1,051,243                 | 6.85%              | 0                             | 41,777                    | 131,848                       | 9,479    | 8,910                 |
| 17           |                   | 29              | 317,305            | 55,106              | 0                                  | 5,007          | 12,844         | 0                      | 244,348           | 141,609        | -102,739                      | -92,183                         | 948,504                   | 6.18%              | 0                             | 41,777                    | 127,667                       | 8,258    | 8,867                 |
| 18           | 23                |                 | 261,505            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 189,854           | 141,609        | -48,245                       | -89,742                         | 900,259                   | 5.86%              | 0                             | 41,777                    | 123,486                       | 9,300    |                       |
| 19           | 24                |                 | 270,805            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 199,154           | 141,609        | -57,545                       | -88,047                         | 842,714                   | 5.49%              | 0                             | 41,777                    | 119,305                       | 9,300    |                       |
| 20           | 16                |                 | 196,405            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 124,754           | 133,859        | 8,939                         | -83,198                         | 851,653                   | 5.55%              | 0                             | 41,777                    | 115,124                       | 9,300    |                       |
| 21           | 17                |                 | 205,705            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 134,054           | 133,859        | -195                          | -79,245                         | 851,458                   | 5.54%              | 0                             | 41,777                    | 110,943                       | 9,300    |                       |
| 22           | 21                |                 | 242,905            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 171,254           | 133,859        | -37,395                       | -77,343                         | 814,063                   | 5.30%              | 0                             | 41,777                    | 106,762                       | 9,300    |                       |
| 23           | 24                |                 | 270,805            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 199,154           | 133,859        | -65,295                       | -76,819                         | 748,768                   | 4.88%              | 0                             | 41,777                    | 102,581                       | 9,300    |                       |
| 24           | 21                |                 | 242,905            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 171,254           | 133,859        | -37,395                       | -75,177                         | 711,373                   | 4.63%              | 0                             | 41,777                    | 98,400                        | 9,300    |                       |
| 25           | 19                |                 | 224,305            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 152,654           | 133,859        | -18,795                       | -72,921                         | 692,578                   | 4.51%              | 0                             | 41,777                    | 94,219                        | 9,300    |                       |
| 26           | 26                |                 | 289,405            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 217,754           | 133,859        | -83,895                       | -73,343                         | 608,683                   | 3.96%              | 0                             | 41,777                    | 90,038                        | 9,300    |                       |
| 27           | 24                |                 | 270,805            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 199,154           | 133,859        | -65,295                       | -73,045                         | 543,388                   | 3.54%              | 0                             | 41,777                    | 85,857                        | 9,300    |                       |
| 28           | 18                |                 | 215,005            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 143,354           | 133,859        | -9,495                        | -70,776                         | 533,892                   | 3.48%              | 0                             | 41,777                    | 81,676                        | 9,300    |                       |
| 29           | 18                |                 | 215,005            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 143,354           | 133,859        | -9,495                        | -68,663                         | 524,397                   | 3.41%              | 0                             | 41,777                    | 77,495                        | 9,300    |                       |
| 30           | 18                |                 | 215,005            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 143,354           | 133,859        | -9,495                        | -66,690                         | 514,902                   | 3.35%              | 0                             | 41,777                    | 73,314                        | 9,300    |                       |
| 31           | 18                |                 | 215,005            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 143,354           | 133,859        | -9,495                        | -64,845                         | 505,407                   | 3.29%              | 0                             | 41,777                    | 69,133                        | 9,300    |                       |
| Totals       |                   | 732             | 8,283,355          | 1,710,636           | 0                                  | 154,481        | 365,614        | 0                      | 6,052,614         | 4,045,013      | -2,010,206                    |                                 | 505,407                   |                    | 0                             |                           |                               |          |                       |

Base/Day 47605

Normal Average HDD's/Day 22.2903

actual HDD's/Day 30.5000

Normal HDD's for January 691

EOM Target 500,000

22000 additional

Actual TSS Storage Balance 2/28/2001

2,513,613

3/19 7:37 AM

| 24 Mar-01 | Forecast HDD's | actual HDD's | Forecast Demand | KN @ 107th & Elm | KN @ Glavin (WNG) After Fuel | Served KPOC | Served PEPL | Off System Sales | WNG Obligation | WNG Flowing | TSS Daily With(-)/To(+) | TSS Average With(-)/To(+) | TSS Storage Balance | TSS % OF MSQ | FSS Daily With(-)/To(+) | FSS Storage Balance | PEPL/WVS Storage Balance | Heat/HDD | Cumulative Heat/HDD |
|-----------|----------------|--------------|-----------------|------------------|------------------------------|-------------|-------------|------------------|----------------|-------------|-------------------------|---------------------------|---------------------|--------------|-------------------------|---------------------|--------------------------|----------|---------------------|
| 1         |                | 32           | 345,205         | 55,131           | 0                            | 4,975       | 11,838      | 0                | 273,261        | 112,547     | -160,714                | -160,714                  | 2,354,899           | 15.34%       | 0                       |                     | 194,563                  | 10,032   | 10,032              |
| 2         |                | 33           | 354,505         | 55,346           | 0                            | 4,982       | 11,813      | 0                | 282,364        | 112,547     | -169,817                | -165,265                  | 2,185,082           | 14.23%       | 0                       | 41,777              | 190,382                  | 8,524    | 9,266               |
| 3         |                | 27           | 298,705         | 54,985           | 0                            | 5,028       | 12,317      | 0                | 226,375        | 112,547     | -113,828                | -148,120                  | 2,071,254           | 13.49%       | 0                       | 41,777              | 186,201                  | 8,933    | 9,169               |
| 4         |                | 28           | 308,005         | 55,207           | 0                            | 5,010       | 11,741      | 0                | 236,047        | 112,547     | -123,500                | -141,965                  | 1,947,755           | 12.68%       | 0                       | 41,777              | 182,020                  | 9,748    | 9,304               |
| 5         |                | 32           | 345,205         | 55,215           | 0                            | 5,008       | 11,672      | 0                | 273,310        | 112,547     | -160,763                | -145,724                  | 1,786,992           | 11.64%       | 0                       | 41,777              | 177,839                  | 9,285    | 9,300               |
| 6         |                | 31           | 335,905         | 55,344           | 0                            | 5,007       | 11,626      | 0                | 263,928        | 112,547     | -151,381                | -146,667                  | 1,635,611           | 10.65%       | 0                       | 41,777              | 173,658                  | 8,224    | 9,118               |
| 7         |                | 31           | 335,905         | 57,144           | 0                            | 5,000       | 11,140      | 0                | 262,621        | 112,547     | -150,074                | -147,154                  | 1,485,537           | 9.67%        | 0                       | 41,777              | 169,477                  | 7,983    | 8,953               |
| 8         |                | 33           | 354,505         | 55,066           | 0                            | 5,010       | 11,436      | 0                | 282,993        | 131,922     | -151,071                | -147,643                  | 1,334,466           | 8.69%        | 0                       | 41,777              | 165,296                  | 7,968    | 8,822               |
| 9         |                | 26           | 289,405         | 55,078           | 0                            | 4,467       | 11,952      | 0                | 217,908        | 131,922     | -85,986                 | -140,793                  | 1,248,479           | 8.13%        | 0                       | 41,777              | 161,115                  | 8,442    | 8,785               |
| 10        |                | 16           | 196,405         | 55,195           | 0                            | 5,017       | 12,022      | 0                | 124,171        | 131,922     | 7,610                   | -125,952                  | 1,256,089           | 8.18%        | 0                       | 41,777              | 156,934                  | 9,953    | 8,850               |
| 11        |                | 22           | 252,205         | 55,168           | 0                            | 5,008       | 13,091      | 0                | 178,938        | 131,922     | -47,016                 | -118,776                  | 1,209,073           | 7.87%        | 0                       | 41,777              | 152,753                  | 8,511    | 8,826               |
| 12        |                | 23           | 261,505         | 55,111           | 0                            | 5,001       | 12,667      | 0                | 188,726        | 131,922     | -56,804                 | -113,612                  | 1,152,269           | 7.50%        | 0                       | 41,777              | 148,572                  | 7,899    | 8,762               |
| 13        |                | 15           | 187,105         | 55,134           | 0                            | 4,975       | 11,222      | 0                | 115,774        | 141,609     | 25,365                  | -102,922                  | 1,177,633           | 7.67%        | 0                       | 41,777              | 144,391                  | 8,521    | 8,752               |
| 14        |                | 7            | 112,705         | 55,197           | 0                            | 5,013       | 10,753      | 0                | 41,742         | 141,609     | 98,049                  | -88,566                   | 1,275,683           | 8.31%        | 0                       | 41,777              | 140,210                  | 11,174   | 8,799               |
| 15        |                | 27           | 298,705         | 55,179           | 0                            | 4,982       | 11,300      | 0                | 227,244        | 141,609     | -85,635                 | -88,371                   | 1,190,048           | 7.75%        | 0                       | 41,777              | 136,029                  | 9,665    | 8,860               |
| 16        |                | 33           | 354,505         | 55,163           | 0                            | 5,008       | 13,920      | 0                | 280,414        | 141,609     | -138,805                | -91,523                   | 1,051,243           | 6.85%        | 0                       | 41,777              | 131,848                  | 9,479    | 8,910               |
| 17        |                | 29           | 317,305         | 55,106           | 0                            | 5,007       | 12,844      | 0                | 244,348        | 141,609     | -102,739                | -92,183                   | 948,504             | 6.18%        | 0                       | 41,777              | 127,667                  | 8,258    | 8,867               |
| 18        | 23             |              | 261,505         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 189,854        | 141,609     | -48,245                 | -89,742                   | 900,259             | 5.86%        | 0                       | 41,777              | 123,486                  | 9,300    |                     |
| 19        | 24             |              | 270,805         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 199,154        | 141,609     | -57,545                 | -88,047                   | 842,714             | 5.49%        | 0                       | 41,777              | 119,305                  | 9,300    |                     |
| 20        | 16             |              | 196,405         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 124,754        | 141,609     | 16,548                  | -82,818                   | 859,262             | 5.60%        | 0                       | 41,777              | 115,124                  | 9,300    |                     |
| 21        | 17             |              | 205,705         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 134,054        | 141,609     | 7,417                   | -78,521                   | 866,679             | 5.64%        | 0                       | 41,777              | 110,943                  | 9,300    |                     |
| 22        | 21             |              | 242,905         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 171,254        | 141,609     | -29,645                 | -76,299                   | 837,034             | 5.45%        | 0                       | 41,777              | 106,762                  | 9,300    |                     |
| 23        | 24             |              | 270,805         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 199,154        | 141,609     | -57,545                 | -75,484                   | 779,489             | 5.08%        | 0                       | 41,777              | 102,581                  | 9,300    |                     |
| 24        | 21             |              | 242,905         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 171,254        | 141,609     | -29,645                 | -73,574                   | 749,843             | 4.88%        | 0                       | 41,777              | 98,400                   | 9,300    |                     |
| 25        | 19             |              | 224,305         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 152,654        | 141,609     | -11,045                 | -71,073                   | 738,798             | 4.81%        | 0                       | 41,777              | 94,219                   | 9,300    |                     |
| 26        | 26             |              | 289,405         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 217,754        | 141,609     | -76,145                 | -71,268                   | 662,653             | 4.32%        | 0                       | 41,777              | 90,038                   | 9,300    |                     |
| 27        | 24             |              | 270,805         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 199,154        | 141,609     | -57,545                 | -70,759                   | 605,108             | 3.94%        | 0                       | 41,777              | 85,857                   | 9,300    |                     |
| 28        | 18             |              | 215,005         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 143,354        | 141,609     | -1,745                  | -68,295                   | 603,363             | 3.93%        | 0                       | 41,777              | 81,676                   | 9,300    |                     |
| 29        | 22             |              | 252,205         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 180,554        | 141,609     | -38,945                 | -67,283                   | 564,417             | 3.68%        | 0                       | 41,777              | 77,495                   | 9,300    |                     |
| 30        | 22             |              | 252,205         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 180,554        | 141,609     | -38,945                 | -66,338                   | 525,472             | 3.42%        | 0                       | 41,777              | 73,314                   | 9,300    |                     |
| 31        | 22             |              | 252,205         | 55,062           | 0                            | 4,999       | 11,590      | 0                | 180,554        | 141,609     | -38,945                 | -65,454                   | 486,527             | 3.17%        | 0                       | 41,777              | 69,133                   | 9,300    |                     |
| Totals    |                | 744          | 8,394,955       | 1,710,636        | 0                            | 154,481     | 365,614     | 0                | 6,164,224      | 4,138,011   | -2,029,086              |                           | 486,527             |              | 0                       |                     |                          |          |                     |

Base/Day 47605

Normal Average HDD's/Day 22.2903

actual HDD's/Day 31.0000

Normal HDD's for January 691

EOM Target 500,000

+30000

Actual TSS Storage Balance 2/28/2001

2,515,613

3/19 7:30 AM

| 24<br>Mar-01 | Forecast<br>HDD's | actual<br>HDD's | Forecast<br>Demand | KN @<br>107th & Elm | KN @<br>Glavin (WNG)<br>After Fuel | Served<br>KPOC | Served<br>PEPL | Off<br>System<br>Sales | WNG<br>Obligation | WNG<br>Flowing | TSS<br>Daily<br>With(-)/In(+) | TSS<br>Average<br>With(-)/In(+) | TSS<br>Storage<br>Balance | TSS<br>% OF<br>MSQ | FSS<br>Daily<br>With(-)/In(+) | FSS<br>Storage<br>Balance | PEPL/WS<br>Storage<br>Balance | Heat/HDD | Cumulativ<br>Heat/HDI |
|--------------|-------------------|-----------------|--------------------|---------------------|------------------------------------|----------------|----------------|------------------------|-------------------|----------------|-------------------------------|---------------------------------|---------------------------|--------------------|-------------------------------|---------------------------|-------------------------------|----------|-----------------------|
| 1            |                   | 32              | 345,205            | 55,131              | 0                                  | 4,975          | 11,838         | 0                      | 273,261           | 112,547        | -160,714                      | -160,714                        | 2,354,899                 | 15.34%             | 0                             | 41,777                    | 194,563                       | 10,032   | 10,032                |
| 2            |                   | 33              | 354,505            | 55,346              | 0                                  | 4,982          | 11,813         | 0                      | 282,364           | 112,547        | -169,817                      | -165,265                        | 2,185,082                 | 14.23%             | 0                             | 41,777                    | 190,382                       | 8,524    | 9,266                 |
| 3            |                   | 27              | 298,705            | 54,985              | 0                                  | 5,028          | 12,317         | 0                      | 226,375           | 112,547        | -113,828                      | -148,120                        | 2,071,254                 | 13.49%             | 0                             | 41,777                    | 186,201                       | 8,933    | 9,169                 |
| 4            |                   | 28              | 308,005            | 55,207              | 0                                  | 5,010          | 11,741         | 0                      | 236,047           | 112,547        | -123,500                      | -141,965                        | 1,947,755                 | 12.68%             | 0                             | 41,777                    | 182,020                       | 9,748    | 9,304                 |
| 5            |                   | 32              | 345,205            | 55,215              | 0                                  | 5,008          | 11,672         | 0                      | 273,310           | 112,547        | -160,763                      | -145,724                        | 1,786,992                 | 11.64%             | 0                             | 41,777                    | 177,839                       | 9,283    | 9,300                 |
| 6            |                   | 31              | 335,905            | 55,344              | 0                                  | 5,007          | 11,626         | 0                      | 263,928           | 112,547        | -151,381                      | -146,667                        | 1,635,611                 | 10.65%             | 0                             | 41,777                    | 173,658                       | 8,224    | 9,118                 |
| 7            |                   | 31              | 335,905            | 57,144              | 0                                  | 5,000          | 11,140         | 0                      | 262,621           | 112,547        | -150,074                      | -147,154                        | 1,485,537                 | 9.67%              | 0                             | 41,777                    | 169,477                       | 7,983    | 8,953                 |
| 8            |                   | 33              | 354,505            | 55,066              | 0                                  | 5,010          | 11,436         | 0                      | 282,993           | 131,922        | -151,071                      | -147,643                        | 1,334,466                 | 8.69%              | 0                             | 41,777                    | 165,296                       | 7,968    | 8,822                 |
| 9            |                   | 26              | 289,405            | 55,078              | 0                                  | 4,467          | 11,952         | 0                      | 217,908           | 131,922        | -85,986                       | -140,793                        | 1,248,479                 | 8.13%              | 0                             | 41,777                    | 161,115                       | 8,442    | 8,785                 |
| 10           |                   | 16              | 196,405            | 55,195              | 0                                  | 5,017          | 12,022         | 0                      | 124,171           | 131,922        | 7,610                         | -125,952                        | 1,256,089                 | 8.18%              | 0                             | 41,777                    | 156,934                       | 9,953    | 8,850                 |
| 11           |                   | 22              | 252,205            | 55,168              | 0                                  | 5,008          | 13,091         | 0                      | 178,938           | 131,922        | -47,016                       | -118,776                        | 1,209,073                 | 7.87%              | 0                             | 41,777                    | 152,753                       | 8,511    | 8,826                 |
| 12           |                   | 23              | 261,505            | 55,111              | 0                                  | 5,001          | 12,667         | 0                      | 188,726           | 131,922        | -56,804                       | -113,612                        | 1,152,269                 | 7.50%              | 0                             | 41,777                    | 148,572                       | 7,899    | 8,762                 |
| 13           |                   | 15              | 187,105            | 55,134              | 0                                  | 4,975          | 11,222         | 0                      | 115,774           | 141,609        | 25,365                        | -102,922                        | 1,177,633                 | 7.67%              | 0                             | 41,777                    | 144,391                       | 8,521    | 8,752                 |
| 14           |                   | 7               | 112,705            | 55,197              | 0                                  | 5,013          | 10,753         | 0                      | 41,742            | 141,609        | 98,049                        | -88,566                         | 1,275,683                 | 8.31%              | 0                             | 41,777                    | 140,210                       | 11,174   | 8,799                 |
| 15           |                   | 27              | 298,705            | 55,179              | 0                                  | 4,982          | 11,300         | 0                      | 227,244           | 141,609        | -85,635                       | -88,371                         | 1,190,048                 | 7.75%              | 0                             | 41,777                    | 136,029                       | 9,665    | 8,860                 |
| 16           |                   | 33              | 354,505            | 55,163              | 0                                  | 5,008          | 13,920         | 0                      | 280,414           | 141,609        | -138,805                      | -91,523                         | 1,051,243                 | 6.85%              | 0                             | 41,777                    | 131,848                       | 9,479    | 8,910                 |
| 17           |                   | 29              | 317,305            | 55,106              | 0                                  | 5,007          | 12,844         | 0                      | 244,348           | 141,609        | -102,739                      | -92,183                         | 948,504                   | 6.18%              | 0                             | 41,777                    | 127,667                       | 8,258    | 8,867                 |
| 18           | 23                |                 | 261,505            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 189,834           | 141,609        | -48,245                       | -89,742                         | 900,259                   | 5.86%              | 0                             | 41,777                    | 123,486                       | 9,300    |                       |
| 19           | 24                |                 | 270,805            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 199,154           | 141,609        | -57,545                       | -88,047                         | 842,714                   | 5.49%              | 0                             | 41,777                    | 119,305                       | 9,300    |                       |
| 20           | 16                |                 | 196,405            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 124,754           | 112,547        | -12,207                       | -84,255                         | 830,507                   | 5.41%              | 0                             | 41,777                    | 115,124                       | 9,300    |                       |
| 21           | 17                |                 | 205,705            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 134,054           | 112,547        | -21,507                       | -81,267                         | 808,999                   | 5.27%              | 0                             | 41,777                    | 110,943                       | 9,300    |                       |
| 22           | 21                |                 | 242,905            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 171,254           | 112,547        | -58,707                       | -80,242                         | 750,292                   | 4.89%              | 0                             | 41,777                    | 106,762                       | 9,300    |                       |
| 23           | 24                |                 | 270,805            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 199,154           | 112,547        | -86,607                       | -80,519                         | 663,685                   | 4.32%              | 0                             | 41,777                    | 102,581                       | 9,300    |                       |
| 24           | 21                |                 | 242,905            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 171,254           | 112,547        | -58,707                       | -79,610                         | 604,978                   | 3.94%              | 0                             | 41,777                    | 98,400                        | 9,300    |                       |
| 25           | 19                |                 | 224,305            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 152,634           | 112,547        | -40,107                       | -78,030                         | 564,871                   | 3.68%              | 0                             | 41,777                    | 94,219                        | 9,300    |                       |
| 26           | 26                |                 | 289,405            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 217,754           | 112,547        | -105,207                      | -79,075                         | 459,664                   | 2.99%              | 0                             | 41,777                    | 90,038                        | 9,300    |                       |
| 27           | 24                |                 | 270,805            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 199,154           | 112,547        | -86,607                       | -79,354                         | 373,057                   | 2.43%              | 0                             | 41,777                    | 85,857                        | 9,300    |                       |
| 28           | 18                |                 | 215,005            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 143,354           | 112,547        | -30,807                       | -77,620                         | 342,250                   | 2.23%              | 0                             | 41,777                    | 81,676                        | 9,300    |                       |
| 29           | 22                |                 | 252,205            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 180,554           | 112,547        | -68,007                       | -77,289                         | 274,242                   | 1.79%              | 0                             | 41,777                    | 77,495                        | 9,300    |                       |
| 30           | 22                |                 | 252,205            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 180,554           | 112,547        | -68,007                       | -76,979                         | 206,235                   | 1.34%              | 0                             | 41,777                    | 73,314                        | 9,300    |                       |
| 31           | 22                |                 | 252,205            | 55,062              | 0                                  | 4,999          | 11,590         | 0                      | 180,554           | 112,547        | -68,007                       | -76,690                         | 138,228                   | 0.90%              | 0                             | 41,777                    | 69,133                        | 9,300    |                       |
| Totals       |                   | 744             | 8,394,955          | 1,710,636           | 0                                  | 154,481        | 365,614        | 0                      | 6,164,224         | 3,789,268      | -2,377,385                    |                                 | 138,228                   |                    | 0                             |                           |                               |          |                       |

Base/Day 47605

Normal Average HDD's/Day 22,2903

EOM Target 500,000

actual HDD's/Day 31.0000

Normal HDD's for January 691

no additional