

Empire District Gas Company  
Rate Case 2009 - GR-2009-0434  
Sensitivity of Rate Design to Usage Reductions – Residential Customer

Sample Monthly Usage

65

South System - Current Design

|                           |              |              | Use Reduction |                  |              |                  |              |                  |
|---------------------------|--------------|--------------|---------------|------------------|--------------|------------------|--------------|------------------|
|                           |              |              | 10%           |                  | 15%          |                  | 25%          |                  |
| Current Rate Elements     | Current Rate | Monthly Bill | Monthly Bill  | % Bill Reduction | Monthly Bill | % Bill Reduction | Monthly Bill | % Bill Reduction |
| Customer Charge per Month | \$ 9.50      | \$ 9.50      | \$ 9.50       |                  | \$ 9.50      |                  | \$ 9.50      |                  |
| Energy Charge per Ccf     | 0.27370      | 17.79        | 16.01         |                  | 15.12        |                  | 13.34        |                  |
| Total PGA per Ccf         | 0.76489      | 49.72        | 44.75         |                  | 42.26        |                  | 37.29        |                  |
|                           |              | \$ 77.01     | \$ 70.26      | 8.77%            | \$ 66.88     | 13.15%           | \$ 60.13     | 21.92%           |

South System - Proposed Design

|                                   |               |              | Use Reduction |                  |              |                  |              |                  |
|-----------------------------------|---------------|--------------|---------------|------------------|--------------|------------------|--------------|------------------|
|                                   |               |              | 10%           |                  | 15%          |                  | 25%          |                  |
| Proposed SFV Rate Elements        | Proposed Rate | Monthly Bill | Monthly Bill  | % Bill Reduction | Monthly Bill | % Bill Reduction | Monthly Bill | % Bill Reduction |
| Delivery Service Charge per Month | \$ 30.00      | \$ 30.00     | \$ 30.00      |                  | \$ 30.00     |                  | \$ 30.00     |                  |
| Total PGA per Ccf                 | 0.76489       | 49.72        | 44.75         |                  | 42.26        |                  | 37.29        |                  |
|                                   |               | \$ 79.72     | \$ 74.75      | 6.23%            | \$ 72.26     | 9.36%            | \$ 67.29     | 15.59%           |