

**Bismarck-Mandan Development Association**

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**UTILITIES - Bismarck ND MSA (Table 17)**

| Water & Sewer  |  |   |   |
|--|--|---|---|
| <b>Water Availability</b>  |  |   |   |
| Major Source   | Missouri River   |   |   |
| % of Population Increase Served from the Source  | 100%   |   |   |
| <b>Water Treatment</b>   |  |   |   |
| Name of Provider   | City of Bismarck   | City of Mandan  |   |
| Rated Capacity (mgd)   | 30   | 12  |   |
| Average Daily Demand (mgd)   | 9.6  | 2.88  |   |
| Peak Demand (mgd)  | 24.7   | 7   |   |
| Chemical Breakdown of Water  | Calcium 30, Magnesium 9, Total Hardness 100, Total Alkanity 52, pH 8.8, Sodium 63  | Calcium 38.5, Alkalinity 69, Total Hardness 160, Magnesium 17.7, Ph 9.3 |   |
| Cost per 1000 Gallons  | \$3.51   | 2.8 for 100 cubic feet  |   |
| Water Connection Fee   | No connection fee other than cost of meter and tap. required improvement cost handled as special assessment and trunk charges which vary by size and location of site. | No connection fee.  |   |
| <b>Sewer Treatment</b>   |  |   |   |
| Name of Provider   | City of Bismarck   | City of Mandan  |   |
| Type of Service  | Secondary Treatment - Trickling Filters  | Extended Aeration Activated Sludge                                      |   |
| Rated Capacity (mgd)   | 7.5  | 2.2   |   |
| Average Daily Demand (mgd)   | 6.7  | 1.6   |   |
| Peak Demand (mgd)  | 11   | 5   |   |
| Cost per 1000 Gallons  | \$2.67   | \$1.60  |   |
| Sewer Connection Fee   | No connection fee.   | No connection fee.  |   |
| <b>Electric Power</b>  |  |   |   |
| <b>Name of Company</b>   | Montana-Dakota Utilities Company   |   |   |
| Communities Served   | 149 in North Dakota -- 277 throughout five states  |   |   |
| Company-Net Importer or Exporter of Power  | Net exporter of power  |   |   |
| % of Reserve Margin Including Generation & Net Purchases   | 15%  |   |   |
| Name of Power Pool Membership  | MISO   |   |   |
| State Electric Power Deregulated (yes or no, if yes provide date of fully effective deregulation)  | No   |   |   |
| <b>General Electric Service - Rate 30</b>  |  |   |   |
| <b>Primary Service</b><br>(Primary service is applicable to customers that own their own transformers, related equipment and distribution facilities downstream of the meter, satisfactory to the Company at primary voltages of 2,400 volts or greater) | <b>Demand Component</b>  |   | <b>Energy Cost</b>  |
|  | Winter (Oct - May)<br>\$6.25 / Kw  | Summer (June - Sept)<br>\$9.25 / Kw                                     | Energy Charge 2.296¢ / kWh<br>**Plus F&PP 2.845¢ /kWh<br>*Plus ECRR 0.147¢ / kWh<br>*Plus TCA 0.164¢/ kWh<br><b>Total 5.452¢ / kWh</b><br>Adjust **monthly or *annually |
| <b>Secondary Service</b>   | <b>Demand Component</b>  |   | <b>Energy Cost</b>  |
|  | Winter (Oct - May)<br>\$8.25 / Kw  | Summer (June - Sept)<br>\$11.25 / Kw                                    | Energy Charge 2.376¢ / kWh<br>**Plus F&PP 2.918¢ /kWh<br>*Plus ECRR 0.147¢ / kWh<br>*Plus TCA 0.164¢/ kWh<br><b>Total 5.605¢ / kWh</b><br>Adjust **monthly or *annually |
| <b>Natural Gas</b>   |  |   |   |
| Name of Provider   | Montana-Dakota Utilities Company   |   |   |
| Average Cost for Industrial Users (\$ per mcf)   | \$0.297/dk - plus cost of gas (2013 Avg was \$3.48/dk) and base rate \$1,000/month   |   |   |
| Firm Contract Rates  | \$0.73/dk - plus cost of gas (2013Avg was \$4.36/dk) and base rate \$20/month  |   |   |
| Interruptible Service Rates  | \$.485/dk - plus cost of gas (2013 Avg was \$3.48/dk) and base rate \$175/month  |   |   |