

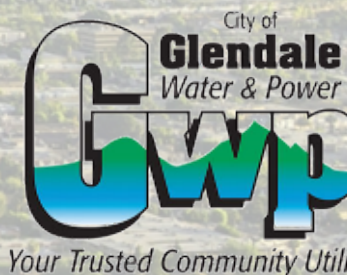


# Power Resources Serving Summer Peak

**Glendale Water & Power Commission**

**October 7, 2024**

**Scott K. Mellon, Assistant General Manager, Power Management**  
**Manuel Robledo, Interim General Manager**  
**City of Glendale Water & Power**



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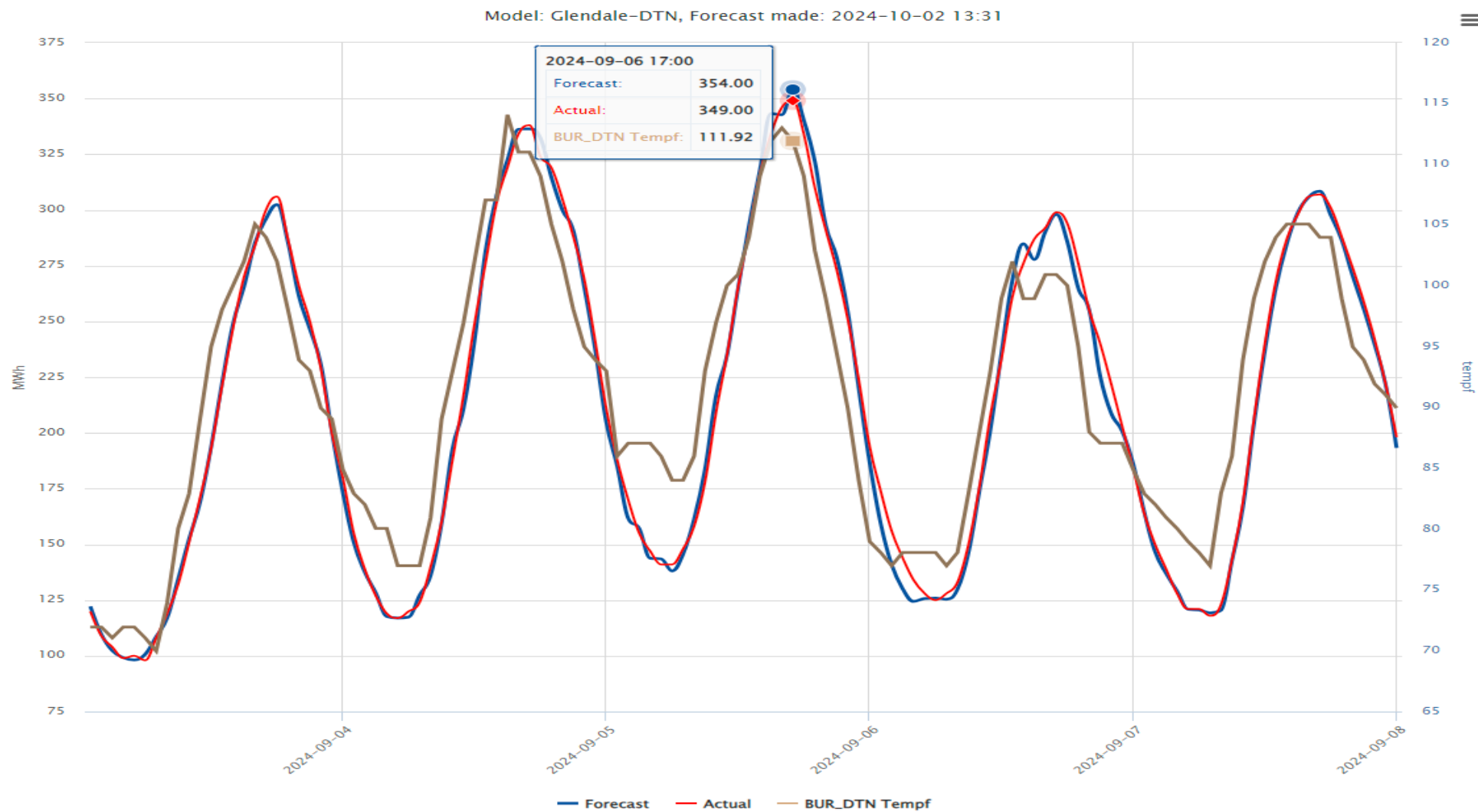
| GWP Peak Hour<br>Power Resource Mix | 2024<br>Peak Hour * |             | 2023<br>Average |
|-------------------------------------|---------------------|-------------|-----------------|
|                                     | MWh                 | %           | %               |
| Gas                                 | 82                  | 23.5%       | 32.5%           |
| Coal                                | 35                  | 10.0%       | 1.6%            |
| Purchase                            | 151                 | 43.3%       | 10.8%           |
| <b>Carbon-Based</b>                 | <b>268</b>          | <b>75%</b>  | <b>45%</b>      |
| Nuclear                             | 11                  | 3.2%        | 11.0%           |
| Hydroelectric                       | 12                  | 3.4%        | 8.8%            |
| <b>Carbon-Free</b>                  | <b>23</b>           | <b>6%</b>   | <b>20%</b>      |
| Solar                               | 53                  | 15.2%       | 16.8%           |
| Wind                                | 0                   | 0.0%        | 8.1%            |
| Geothermal                          | 6                   | 1.7%        | 8.8%            |
| Small Hydro                         | 6                   | 1.7%        | 1.6%            |
| <b>Renewable</b>                    | <b>65</b>           | <b>18%</b>  | <b>35%</b>      |
| <b>Total</b>                        | <b>356</b>          | <b>100%</b> | <b>100%</b>     |
| <b>Losses</b>                       | <b>-7</b>           | <b>MWh</b>  |                 |
| <b>Load Served</b>                  | <b>349</b>          | <b>MWh</b>  |                 |

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|                                   |                          |            |            |
|-----------------------------------|--------------------------|------------|------------|
| <b>Glendale Peak on 9/6/2024:</b> |                          |            |            |
|                                   | <b>349 MWh for HE 17</b> |            |            |
| <b>DA/Long Term Purchases:</b>    |                          |            |            |
| Purchase                          | LDMP                     | 40         | MWh        |
| Solar                             | Townsite                 | 40         | MWh        |
| Purchase                          | BPA                      | 35         | MWh        |
| Purchase                          | Powerex                  | 25         | MWh        |
| Purchase                          | MSOG                     | 13         | MWh        |
| Geothermal                        | Starpeak                 | 4          | MWh        |
| Geothermal                        | Whitegrass               | 2          | MWh        |
| Hydro Small                       | Tieton                   | 6          | MWh        |
|                                   | <b>TOTAL:</b>            | <b>165</b> | <b>MWh</b> |
| <b>Glendale's Resources:</b>      |                          |            |            |
| Gas                               | MPP                      | 43         | MWh        |
| Coal                              | IPP                      | 35         | MWh        |
| Solar                             | ELAND                    | 13         | MWh        |
| Hydro Large                       | Hoover                   | 12         | MWh        |
| Nuclear                           | Palo Verde               | 11         | MWh        |
| Gas                               | Grayson Unit 9           | 39         | MWh        |
|                                   | <b>TOTAL:</b>            | <b>153</b> | <b>MWh</b> |
| <b>RT Purchase:</b>               |                          |            |            |
| Purchase                          | Transalta                | 30         | MWh        |
| Purchase                          | BA Imbalance             | 8          | MWh        |
|                                   | <b>TOTAL:</b>            | <b>38</b>  | <b>MWh</b> |
| <b>Losses:</b>                    |                          | 7          | MWh        |
|                                   | <b>TOTAL:</b>            | <b>-7</b>  | <b>MWh</b> |
|                                   | <b>Total Position:</b>   | <b>349</b> | <b>MWh</b> |



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**#MyGlendale**

