**WIPP Carlsbad, NM**

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|  | **1961-1990 Measured** | **2005 Observed** | **2050 Low Emissions Scenario**  **(RCP 4.5) [Uncertainty]** | **2050 High Emissions Scenario**  **(RCP 8.5)**  **[Uncertainty]** |
| **Hot Variables** |  |  |  |  |
| Cooling Degree Days (per year) | 1800 | 1800 | 2600 [2000-3300] | 2900 [2200-3600] |
| Average Daily Maximum Temperature (°F) | 76.4 | 76.5 | 81.0 [77.0-84.8] | 82.4 [79.0-85.7] |
| Days with Maximum T > 90°F (per year) | 89.5 | 99.8 | 129.4 [86.6-168.2] | 140.1 [104.6-171.9] |
| Days with Minimum T > 90°F (per year) | 0.0 | 0.0 | 0.0 [0.0-0.1] | 0.0 [0.0-0.1] |
| **Cold Variables** |  |  |  |  |
| Heating Degree Days (per year) | 3100 | 3100 | 2400 [1700-3000] | 2100 [1600-2700] |
| Average Daily Minimum Temperature (°F) | 46.5 | 46.5 | 50.5 [47.8-53.1] | 51.9 [49.2-54.6] |
| Days with Minimum < 32°F (per year) | 80.8 | 67.7 | 57.3 [33.1-79.7] | 49.3 [24.1-71.0] |
| Days with Maximum < 32°F (per year) | 2.1 | 0.9 | 1.0 [0.0-5.3] | 0.8 [0.0-4.6] |
| **Precipitation** |  |  |  |  |
| Total Annual Precipitation (inches) | 12.96 | 10.67 | 13.12 [4.8-24.47] | 12.56 [4.74-24.24] |
| Dry Days (per year) | 282.4 | 274.6 | 285.6 [253.3-322.1] | 287.4 [250.1-320.7] |
| Days with > 2" Precipitation (per year) | 0.2 | 0.0 | 0.3 [0.0-2.1] | 0.2 [0.0-2.1] |

**SWPA Gore, OK**

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|  | **1961-1990 Measured** | **2005 Observed** | **2050 Low Emissions Scenario**  **(RCP 4.5)**  **[Uncertainty]** | **2050 High Emissions Scenario**  **(RCP 8.5)**  **[Uncertainty]** |
| **Hot Variables** |  |  |  |  |
| Cooling Degree Days (per year) | 1900 | 2100 | 2700 [2000-3600] | 3000 [2300-3800] |
| Average Daily Maximum Temperature (°F) | 72.2 | 73.3 | 76.9 [72.3-81.0] | 77.9 [74.0-81.9] |
| Days with Maximum T > 90°F (per year) | 63.8 | 82.1 | 102.8 [51.2-142.6] | 113.6 [75.0-146.7] |
| Days with Minimum T > 90°F (per year) | 0.0 | 0.0 | 0.0 [0.0-0.7] | 0.0 [0.0-0.6] |
| **Cold Variables** |  |  |  |  |
| Heating Degree Days (per year) | 3400 | 3300 | 2700 [2000-3400] | 2500 [1800-3300] |
| Average Daily Minimum Temperature (°F) | 49.4 | 50.1 | 53.4 [50.4-56.6] | 54.8 [51.7-57.7] |
| Days with Minimum < 32°F (per year) | 71.0 | 61.8 | 53.2 [30.9-77.6] | 47.2 [20.7-71.7] |
| Days with Maximum < 32°F (per year) | 5.2 | 1.8 | 2.0 [0.0-9.1] | 1.8 [0.0-9.1] |
| **Precipitation** |  |  |  |  |
| Total Annual Precipitation (inches) | 44.92 | 31.71 | 45.52 [24.4-71.9] | 46.25 [27.18-71.46] |
| Dry Days (per year) | 215.3 | 216.6 | 222.2 [186.5-263.9] | 223.7 [182.1-265.9] |
| Days with > 2" Precipitation (per year) | 1.1 | 0.1 | 1.3 [0.0-4.9] | 1.5 [0.0-5.5] |

**SWPA Jonesboro, AR**

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|  | **1961-1990 Measured** | **2005 Observed** | **2050 Low Emissions Scenario**  **(RCP 4.5)**  **[Uncertainty]** | **2050 High Emissions Scenario**  **(RCP 8.5)**  **[Uncertainty]** |
| **Hot Variables** |  |  |  |  |
| Cooling Degree Days (per year) | 1900 | 2000 | 2700 [2000-3500] | 3000 [2300-3800] |
| Average Daily Maximum Temperature (°F) | 71.0 | 71.8 | 75.6 [71.5-79.5] | 76.6 [73.1-80.8] |
| Days with Maximum T > 90°F (per year) | 60.3 | 68.4 | 101.9 [51.6-139.0] | 110.6 [74.3-147.5] |
| Days with Minimum T > 90°F (per year) | 0.0 | 0.0 | 0.0 [0.0-0.7] | 0.1 [0.0-1.5] |
| **Cold Variables** |  |  |  |  |
| Heating Degree Days (per year) | 3600 | 3500 | 2800 [2000-3500] | 2700 [2000-3400] |
| Average Daily Minimum Temperature (°F) | 49.9 | 50.1 | 53.8 [50.7-56.8] | 55.0 [52.1-58.1] |
| Days with Minimum < 32°F (per year) | 65.1 | 64.1 | 48.3 [22.3-74.4] | 43.6 [19.4-67.5] |
| Days with Maximum < 32°F (per year) | 6.3 | 4.6 | 2.2 [0.0-10.3] | [0.0-9.0] |
| **Precipitation** |  |  |  |  |
| Total Annual Precipitation (inches) | 48.8 | 37.42 | 48.84 [28.48-74.26] | 50.17 [30.66-71.73] |
| Dry Days (per year) | 199.3 | 223.8 | 199.1 [158.4-245.0] | 200.1 [164.6-244.0] |
| Days with > 2" Precipitation (per year) | 1.2 | 0.0 | 1.1 [0.0-4.1] | 1.3 [0.0-4.7] |

**SWPA Springfield, MO**

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|  | **1961-1990 Measured** | **2010 Observed** | **2050 Low Emissions Scenario**  **(RCP 4.5)**  **[Uncertainty]** | **2050 High Emissions Scenario**  **(RCP 8.5)**  **[Uncertainty]** |
| **Hot Variables** |  |  |  |  |
| Cooling Degree Days (per year) | 1300 | 1600 | 2100 [1400-2900] | 2300 [1700-3100] |
| Average Daily Maximum Temperature (°F) | 67.1 | 66.9 | 71.9 [67.1-76.8] | 72.9 [68.4-77.1] |
| Days with Maximum T > 90°F (per year) | 35.8 | 50.4 | 75.8 [27.4-118.9] | 85.5 [46.4-122.1] |
| Days with Minimum T > 90°F (per year) | 0.0 | 0.0 | 0.0 [0.0-0.5] | 0.0 [0.0-0.5] |
| **Cold Variables** |  |  |  |  |
| Heating Degree Days (per year) | 4600 | 4800 | 3700 [2800-4600] | 3500 [2700-4400] |
| Average Daily Minimum Temperature (°F) | 45.0 | 45.5 | 49.2 [45.8-52.5] | 50.4 [47.5-53.6] |
| Days with Minimum < 32°F (per year) | 99.0 | 98.6 | 77.6 [47.3-102.6] | 72.6 [40.6-98.1] |
| Days with Maximum < 32°F (per year) | 15.0 | 19.8 | 7.8 [0.3-23.8] | 7.5 [0.0-22.0] |
| **Precipitation** |  |  |  |  |
| Total Annual Precipitation (inches) | 42.19 | 48.83 | 41.75 [23.59-63.85] | 42.41 [25.71-60.65] |
| Dry Days (per year) | 211.7 | 191.3 | 215.7 [174.6-259.4] | 216.7 [180.4-257.0] |
| Days with > 2" Precipitation (per year) | 1.0 | 1.5 | 0.8 [0.0-3.3] | 0.9 [0.0-3.6] |

**SWPA Tulsa, OK**

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|  | **1961-1990 Measured** | **2005 Observed** | **2050 Low Emissions Scenario**  **(RCP 4.5)**  **[Uncertainty]** | **2050 High Emissions Scenario**  **(RCP 8.5)**  **[Uncertainty]** |
| **Hot Variables** |  |  |  |  |
| Cooling Degree Days (per year) | 1900 | 2100 | 2700 [1900-3500] | 3000 [2300-3700] |
| Average Daily Maximum Temperature (°F) | 71.4 | 73.0 | 75.9 [71.1-80.0] | 76.9 [72.5-80.8] |
| Days with Maximum T > 90°F (per year) | 64.2 | 76.8 | 101.2 [54.5-139.8] | 110.2 [70.2-142.8] |
| Days with Minimum T > 90°F (per year) | 0.0 | 0.0 | 0.1 [0.0-2.1] | 0.2 [0.0-2.9] |
| **Cold Variables** |  |  |  |  |
| Heating Degree Days (per year) | 3800 | 3400 | 3000 [2300-3800] | 2900 [2100-3600] |
| Average Daily Minimum Temperature (°F) | 48.4 | 49.9 | 52.4 [49.3-55.4] | 53.7 [50.9-56.5] |
| Days with Minimum < 32°F (per year) | 81.7 | 58.9 | 62.7 [36.2-85.7] | 57.3 [27.7-82.3] |
| Days with Maximum < 32°F (per year) | 8.2 | 5.5 | 4.3 [0.0-17.0] | 4.1 [0.0-16.0] |
| **Precipitation** |  |  |  |  |
| Total Annual Precipitation (inches) | 39.10 | 28.77 | 38.56 [20.99-61.56] | 39.27 [22.97-61.11] |
| Dry Days (per year) | 232.6 | 241.9 | 233.0 [191.1-275.5] | 235.0 [193.7-279.1] |
| Days with > 2" Precipitation (per year) | 1.3 | 0.0 | 0.9 [0.0-3.9] | 1.2 [0.0-4.9] |