Climate Futures Plot Parameters

- **Baseline** data is 1950-1999
- **Future** data is 2025-2055 (± 15 years around 2040)
- Plots for each MRCOG-identified priority grid cell
  - Change in Average Monthly Max and Min Temperatures
  - Change in Average Monthly Precipitation
  - Maximum Consecutive and Total Days > 100°F
  - Maximum 24-hour Precipitation
  - Maximum Drought Length (Consecutive Days w/ No Precipitation)
MRCOG-identified grid cells of interest

**Grid Cell #1**
Rio Rancho area, N of Albuquerque (35.3125, -106.6875)
Elevation: 5,615 ft.

**Grid Cell #2**
Los Lunas area, S of Albuquerque (34.6875, -106.6875)
Elevation: 5,005 ft.

**Original Grid Cell**
SW quadrant of Albuquerque (35.0625, -106.6875)
Elevation: 4,940 ft.

**Grid Cell #3**
Cibola National Forest, E of Albuquerque (35.0625, -106.3125)
Elevation: 7,025 ft.

**Grid Cell #4**
General desert area, SE of Albuquerque (34.5625, -106.0625)
Elevation: 6,155 ft.

**Grid Cell #5**
Santa Fe National Forest, N of Albuquerque (35.8125, -106.6875)
Elevation: 7,435 ft.
Original Grid Cell

Location

SW quadrant of Albuquerque (35.0625, -106.6875)
Elevation: 4,940 ft.
Change in average daily maximum temperature in 2040 (2025-2055) vs 1950-1999
Change in average daily minimum temperature in 2040 (2025-2055) vs 1950-1999
Change in average monthly precipitation in 2040 (2025-2055) vs 1950-1999
Max 24-hr Precip in inches Baseline (1950-1999) and 2040 (2025-2055 average)
Max Consecutive Days Over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Max Drought Length in Baseline (1950-1999) and 2040 (2025-2055 average)
Total Days over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Grid Cell #1

Location

Rio Rancho area, N of Albuquerque
(35.3125, -106.6875)
Elevation: 5,615 ft.
Change in average daily maximum temperature in 2040 (2025-2055) vs 1950-1999
Change in average daily minimum temperature in 2040 (2025-2055) vs 1950-1999
Max 24-hr Precip in inches Baseline (1950-1999) and 2040 (2025-2055 average)
Max Consecutive Days Over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Max Drought Length in Baseline (1950-1999) and 2040 (2025-2055 average)
Total Days over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Grid Cell #2

Location

Los Lunas area, S of Albuquerque
(34.6875, -106.6875)
Elevation: 5,005 ft.
Change in average daily maximum temperature in 2040 (2025-2055) vs 1950-1999

Degrees F

Month

January February March April May June July August September October November December

Climate Future
- Warm Wet
- Hot Wet
- Central
- Warm Dry
- Hot Dry

Volpe
Change in average daily minimum temperature in 2040 (2025-2055) vs 1950-1999
Change in average monthly precipitation in 2040 (2025-2055) vs 1950-1999
Max 24-hr Precip in inches Baseline (1950-1999) and 2040 (2025-2055 average)
Max Consecutive Days Over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Max Drought Length in Baseline (1950-1999) and 2040 (2025-2055 average)
Total Days over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Grid Cell #3

Cibola National Forest, E of Albuquerque
(35.0625, -106.3125)
Elevation: 7,025 ft.
Change in average daily maximum temperature in 2040 (2025-2055) vs 1950-1999
Change in average daily minimum temperature in 2040 (2025-2055) vs 1950-1999
Change in average monthly precipitation in 2040 (2025-2055) vs 1950-1999
Max 24-hr Precip in inches Baseline (1950-1999) and 2040 (2025-2055 average)
Max Consecutive Days Over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Max Drought Length in Baseline (1950-1999) and 2040 (2025-2055 average)

- **Warm Wet**
- **Hot Wet**
- **Central**
- **Warm Dry**
- **Hot Dry**

**Legend**
- **Baseline**
- **Future**
Total Days over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Grid Cell #4

Location

General desert area, SE of Albuquerque
(34.5625, -106.0625)
Elevation: 6,155 ft.
Change in average daily maximum temperature in 2040 (2025-2055) vs 1950-1999
Change in average daily minimum temperature in 2040 (2025-2055) vs 1950-1999
Change in average monthly precipitation in 2040 (2025-2055) vs 1950-1999
Max 24-hr Precip in inches Baseline (1950-1999) and 2040 (2025-2055 average)
Max Consecutive Days Over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Max Drought Length in Baseline (1950-1999) and 2040 (2025-2055 average)
Total Days over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Grid Cell #5

Santa Fe National Forest, N of Albuquerque
(35.8125, -106.6875)
Elevation: 7,435 ft.
Change in average daily maximum temperature in 2040 (2025-2055) vs 1950-1999
Change in average daily minimum temperature in 2040 (2025-2055) vs 1950-1999
Change in average monthly precipitation in 2040 (2025-2055) vs 1950-1999
Max 24-hr Precip in inches Baseline (1950-1999) and 2040 (2025-2055 average)
Max Consecutive Days Over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)
Max Drought Length in Baseline (1950-1999) and 2040 (2025-2055 average)
Total Days over 100 F in Baseline (1950-1999) and 2040 (2025-2055 average)