



Economic Profile Park City & Summit County, Utah

CLIMATE DATA

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Climate Data Park City

Park City sits at the mouth of a small north-south canyon along the east slopes of the Wasatch Mountains. The canyon opens into a high mountain valley, where elevations range from about 6,400 to 7,000 feet above sea level. The valley is protected by the surrounding mountains, which rise to over 10,000 feet in some areas.

The varied topography influences the general climate of the area. Cooler air from surrounding mountain slopes collects in the Snyderville Basin area and forms a shallow nocturnal inversion during much of the year, especially in the winter months. Average winter minimum temperatures in Park City are in the mid-teens, with highs in the mid 30s. Temperatures as cold as -30 degrees Fahrenheit have been recorded in Park City. Sheltered by the surrounding mountains, strong winds seldom develop in the valleys but can be very gusty over the ridges and in surrounding open areas.

The heaviest precipitation occurs during the late fall, winter and early spring months. Nearly half of the area's annual moisture typically falls between November and March. Much of this is in the form of snow. The average annual snowfall for Park City between 2017-2009 was 270 inches, the maximum total snowfall occurred in 2016 and the minimum snowfall occurred in 2014. (Figure 2)

The dry powdery snow found at Utah's 14 ski resorts is considered to be the "greatest snow on earth".(Utah facts 1995-96)

Climate Data Park City

Summer nights are cool and crisp as cooled air flows down the mountain slopes. The average minimum July 2017 temperature is only 56 degrees Fahrenheit. Daytime maximum temperatures in July average 82 degrees Fahrenheit, with temperatures occasionally reaching into the upper 90s. During 2017 maximum total precipitation occurred during January at nearly 4 inches, compared to the average monthly precipitation for the year of 1 inch.¹

The average length of the growing season in the Park City area is a little over 100 days and may be as long as 120 days in some parts of the valley.

UTAH CLIMATE CENTER WEBSITE

The Utah Climate Center makes climate data and reports readily available to the general public through its website (<http://climate.usurf.usu.edu>). Users can find a variety of information from daily forecasts to historical averages for temperature, freeze dates, precipitation and more. Reports are available for every weather station, both active and inactive, in the Center's database and links to other climate resources are provided. The Climate Center also designs new reports to meet the needs of agriculture, natural resources, government, industry, tourism and educational organizations throughout the intermountain region.

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HELPFUL CLIMATE LINKS

Utah Climate Center: climate.usu.edu

Western Regional Climate Center: wrcc.dri.edu MESOWEST from University of Utah: mesowest.utah.edu

Utah Water Research Laboratory: engineering.usu.edu

U.S. Drought Monitor: droughtmonitor.unl.edu Utah Ski Weather: utahskiweather.com

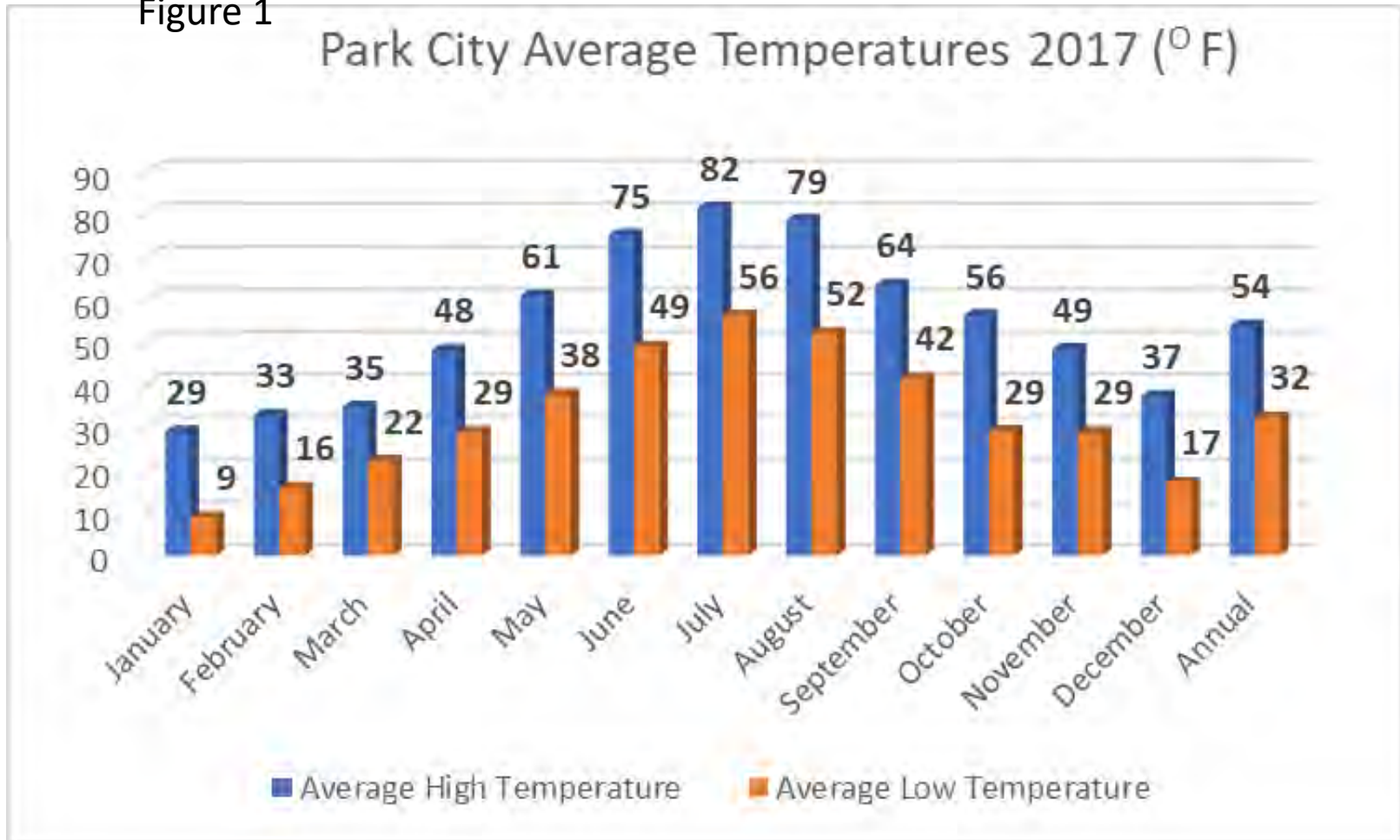
Utah Snow Report: skiutah.com/snow_report

Utah Avalanche Forecast: utahavalanchecenter.org

More Links from the Utah Climate Center: climate.usurf.usu.edu/links.php

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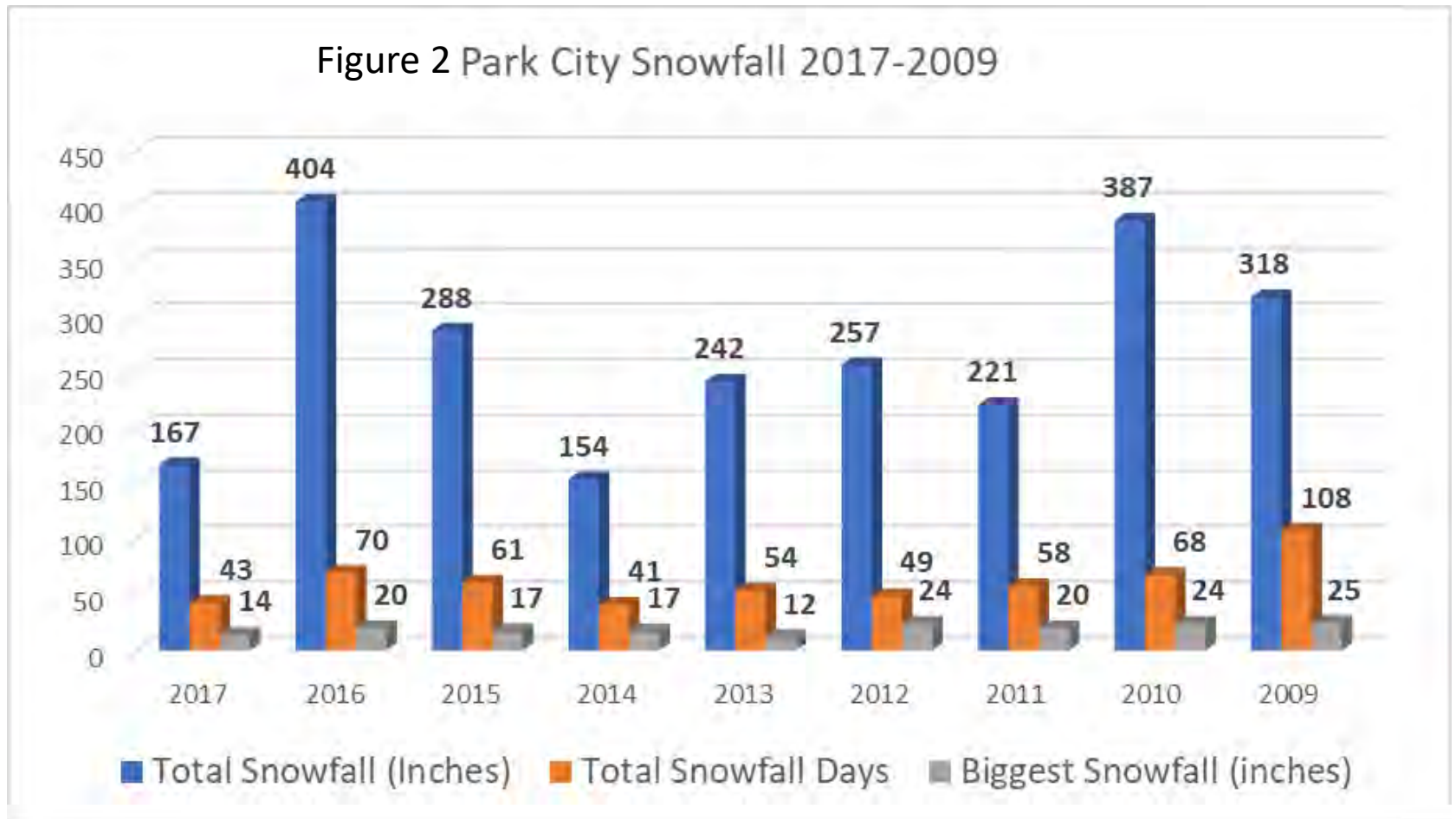
Figure 1



<https://www.usclimatedata.com/climate/park-city/utah/united-states/usut0390>

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Figure 2 Park City Snowfall 2017-2009



Source: <https://www.onthesnow.com/utah/park-city-mountain-resort/historical-snowfall.html?&y=2016>

ENDNOTES

Referenced Documents, Websites,
Tables and Figures

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¹ U.S. climate data

<https://www.usclimatedata.com/climate/park-city/utah/united-states/usut0390/2017/1>

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Figure 1 Park City Average Temperatures 2017

<https://www.usclimatedata.com/climate/park-city/utah/united-states/usut0390>

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Figure 2 Park City Snowfall 2017-2009

Source: <https://www.onthesnow.com/utah/park-city-mountain-resort/historical-snowfall.html?&y=2016>