

ARC Land Use & Entitlements, Inc.

15610 Moorpark St., Unit 7; Encino, CA 91436 Tel. (818) 905-8423 / Fax (818) 783-6692

PRELIMINARY

SOLAR ENERGY FEASIBILITY REPORT

PROJECT DATA

TRACT NUMBER: 072877

PROJECT ADDRESS: 7327-7335 Hazeltine Ave.

OWNER OR SUBDIVIDER: 7327HVN, LLC

EXISTING LAND USE: MEDIUM RESIDENTIAL

PROJECT DESCRIPTION: PROPOSED 29 SINGLE FAMILY LOTS

ADJACENT LAND USE AND

STRUCTURES: PROPERTIES TO THE NORTH – RESIDENTIAL SINGLE-FAMILY AND MULTI FAMILY DWELLINGS
PROPERTIES TO THE WEST – RESIDENTIAL MULTI-FAMILY DWELLINGS AND SINGLE FAMILY DWELLINGS
AND MULTI FAMILY-FAMILY DWELLINGS
PROPERTIES TO THE EAST – MULTI-FAMILY DWELLINGS
AND SINGLE FAMILY DWELLINGS
PROPERTIES TO THE SOUTH – MULTI-FAMILY
DWELLINGS

SITE CHARACTERISTICS: PROPERTY IS RELATIVELY LEVEL.

GENERAL CLIMATOLOGICAL DATA:

The California Energy Commission has established sixteen Climate Zones, each representing a geographic area for which an energy budget has been established.

The climate of Los Angeles area is normally pleasant and mild through the year. There is a variable balance between mild sea breezes and either hot or cold winds from the interior, resulting in some variety in weather conditions, but temperature and humidity are usually well within the limits of human conform. Temperatures usually range from the mid 40's in winter the mid 80's in summer, with occasional extremes of a low 30 degrees or highs of 105 degrees in August or September.

Normal degree days (base 65F) for heating range from 0 to the summer months to an occasional high of 360 heating degree days in December. The normal peak month is January, with an average over the years of 268 degree days. Total normal heating degree days for a year is 1245. Particularly cold seasons have brought totals as high as 1500 degree days (1975-1985). The normal degree days for cooling range from 0 in the winter months to an average of 282 in August. Extremes for August and September have reached 350 to 400 cooling degree days for the months. Average cooling degree days for the year are 1185, with an extreme high for a year reaching 1570 (1972).

Prevailing winds are from the West during the Spring, Summer and early Autumn, with Northeasterly winds predominating the remainder of the year. Average wind speed are rather low, generally ranging between five and eight miles per hour. Occasional Santa Ana winds from the Northeast may pick up considerable amounts of dust, and reach speeds of 35 to 50 miles per hour and outlying areas. At times during the, usual summer months, the lack of air movement, combined with a frequent a persistent temperature inversion, is associated with concentration of air pollution in the Los Angeles, basin and some adjacent areas.

Sunshine, fog and clouds depend a great deal on topography and distance from the ocean. Low clouds are common at night and in the morning along the coast during Spring and Summer. The sun shines about 75 percent of daytime hours at the Los Angeles civic center. Direct beam (normal incidence) solar radiation varies from about 41,000 BTUs per square foot in January to approximately 74,000 BTUs per square foot in July, with an annual average of 644,000 BTUs

Joe Pedegrac, PE
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