

Phelan/Pinon Hills Community Plan

Final Draft Community Plan
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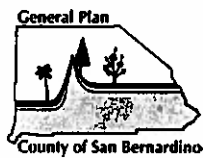


TABLE OF CONTENTS



TABLE OF CONTENTS

1 INTRODUCTION	7
PH1.1 PURPOSE OF THE COMMUNITY PLAN	7
PH1.2 COMMUNITY BACKGROUND	7
PH1.2.1 Location	7
PH1.2.2 History	11
PH1.2.3 Description of the Plan Area	11
PH1.3 COMMUNITY CHARACTER	12
PH1.3.1 Unique Characteristics	12
PH1.3.2 Issues and Concerns	12
PH1.3.3 Community Priorities	12
2 LAND USE	15
PH2.1 INTRODUCTION	15
PH2.2 GOALS AND POLICIES	21
3 CIRCULATION AND INFRASTRUCTURE	25
PH3.1 INTRODUCTION	25
PH3.2 CIRCULATION – INTRODUCTION	25
PH3.3 CIRCULATION – GOALS AND POLICIES	32
PH3.4 INFRASTRUCTURE – INTRODUCTION	35
PH3.5 INFRASTRUCTURE – GOALS AND POLICIES	39
4 HOUSING	43
5 CONSERVATION	45
PH5.1 INTRODUCTION	45
PH5.2 GOALS AND POLICIES	45
6 OPEN SPACE	47
PH6.1 INTRODUCTION	47
PH6.2 GOALS AND POLICIES	51
7 NOISE	53
8 SAFETY	55
PH8.1 INTRODUCTION	55
PH8.2 GOALS AND POLICIES	65
9 ECONOMIC DEVELOPMENT	67
PH9.1 INTRODUCTION	67
PH9.2 GOALS AND POLICIES	67
10 IMPLEMENTATION	69



TABLE OF CONTENTS

LIST OF FIGURES

FIGURE 1-1, VICINITY/REGIONAL CONTEXT	9
FIGURE 2-1, LAND USE POLICY	17
FIGURE 3-1, CIRCULATION	27
FIGURE 3-2, WATER DISTRICTS	37
FIGURE 6-1, JURISDICTIONAL CONTROL	49
FIGURE 8-1, FIRE DISTRICTS	57
FIGURE 8-2, FIRE STATIONS	63

LIST OF TABLES

TABLE 1: DISTRIBUTION OF GENERAL PLAN LAND USE DISTRICTS	19
TABLE 2: LAND USE POLICY MAP MAXIMUM POTENTIAL BUILD-OUT	20
TABLE 3: POPULATION, HOUSEHOLDS AND EMPLOYMENT PROJECTION 2000-2030	21
TABLE 4: EXISTING AND FUTURE ROADWAY OPERATING CONDITIONS	30
TABLE 5: CMP FACILITY LEVELS OF SERVICE	31
TABLE 6: SUPPLY AND POLICY INFORMATION OF SERVICE PROVIDERS	36
TABLE 7: FIRE STATIONS	59

PH3.4 INFRASTRUCTURE - INTRODUCTION

The provision of adequate infrastructure services is essential for maintaining the health and quality of life of a community. Availability of adequate water supplies and wastewater disposal are crucial components of supporting population growth. Protection and preservation of water resources is of crucial importance not only for the purpose of serving existing and future development, but also for protecting the area's natural resources. At meetings held by the County of San Bernardino, residents in Phelan/Pinon Hills expressed concerns regarding a lack of adequate water system infrastructure and that water conservation methods should be enacted.

A. Local Water Service

There are two primary local water suppliers for the Phelan/Pinon Hills plan area (see Figure 3-2, Water Districts): the Sheep Creek Water Company and Community Service Area 70 L. Both water purveyors use local water sources (surface and/or groundwater) as their only water source.

The Sheep Creek Water Company serves approximately nine square miles within the center of the Phelan/Pinon Hills plan area. The Sheep Creek Water Company system includes six water tanks with a total storage capacity of 3.1 million gallons (MG) and four wells. The Water Company is privately owned and provides 1,270 connections. In August 2004, the shareholders were notified that there would be a moratorium on all building permits and their annual draw would also be reduced from 4,000 cubic feet per share to 1,000 cubic feet per share. The Water Company is located outside of the Mojave Water Agency adjudicated service area, which means they are not able to receive water allocations from Mojave Water agency. In November 2004, the Water Company shareholders and Board Members approved the first phase of a three-part project. The first phase includes a new well to be developed within San Bernardino County limits. The second and third phases of the total project include a second new well, located in Los Angeles County and a 9½ mile pipeline. These improvements are proposed to better serve existing shareholders. Detailed information regarding future demand and the long-term availability of water was not available for the Sheep Creek Water District.

CSA 70L is a County-owned system, which primarily serves Phelan, Pinon Hills and Oak Springs. CSA 70L provides 5,516 water connections within its distribution system. The CSA system consists of 13 wells and 34 reservoirs with a combined capacity of 1.16 MG. CSA 70L has experienced an annual average increase of 2 percent per year for new connections. According to the CSA 70L 2000 Urban Water Management Plan, the CSA water supply was estimated to be at 90 percent of total capacity, reaching full capacity by the year 2015. The 2000 Urban Water Management Plan estimated that at build-out of the Land Use Policy Map, water supply demand will require an estimated 7,300 acre-feet per year. According to the 2000 Plan, CSA 70L would not be able to meet the projected demand for its approximately 527 current inactive connections.⁵

CSA 70L has been in the process of various system upgrades including new piping and storage capabilities. No new wells were listed as potential future upgrades. Future projects for CSA 70L are expected to include a water filtration facility in order to treat water imported from the State Water Project, which is projected to be needed after the year 2020. Related infrastructure would also have to be built for this project. The additional water supply imported from the State Water Project would

⁵ County of San Bernardino, County Service Area 70, Improvement Zone L, 2000 Urban Water Management Plan, (12/2001 Final)

CIRCULATION AND INFRASTRUCTURE

provide for build-out conditions. In the meantime, infrastructure improvements and water supply development processes are being expanded commensurate with population growth. General supply and policy information for Sheep Creek Water Company and CSA 70L is presented in Table 6.

Table 6: Supply and Policy Information of Service Providers

SERVICE PROVIDER	# of Water Connections	Estimated Population Served	Estimated Annual Water Production	Policies Allow Service outside of boundaries	Imported Water Source	Annual Imported water allotment	Imported Water Source amount*
Sheep Creek Water	1,270	3,173	1,000 A.F.	Yes	CSA 70 L	6.5 A.F.	6.5 A.F.
CSA 70 L	5,516	18,203	3,363 A.F.	NA	NA	NA	NA
* annual estimate NA = information not provided by purveyor/agency							