

CITY OF BAKERSFIELD

**APPLICATION TO APPROPRIATE WATER
SECTION A: NOTICE INFORMATION**

3. PROJECT DESCRIPTION (Continued from Page 1 of Form APP03/04)

The project is located within the existing Kern River channel at various locations from Mile Point 106.9 to 127.9 (State Reclamation Board Mile Point system). The Kern River water will be diverted from the Kern River through existing diversion facilities along the Kern River and will remain in the natural Kern River watercourse, as the natural stream channel will be used for domestic purposes, municipal and industrial uses, protection of the public interest, with environmental purposes, streamflow restoration, constructed wetlands, recreational uses, fish and wildlife restoration, underground aquifer supply, aquifer water quality enhancement and underground water banking for drought and other emergencies, and other beneficial uses. The underground aquifer and banking facilities will absorb and store water for municipal uses within the City of Bakersfield. The aquifers under the Bakersfield area are heavily used for municipal purposes by a water well system that serves domestic water to over 75% of the Bakersfield urban area. In addition to the present demand for all of the water, the City seeks to appropriate water for future domestic needs and uses, pursuant to Water Code Sections 106.5, 1460 and 1462. Future municipal and domestic uses include drought protection and water quality preservation of these aquifers. The existing Kern River stream course includes 5 river weirs and the natural stream channel of the Kern River. The City of Bakersfield operates the river facilities. The City of Bakersfield owns and operates a large spreading and banking facility that could accommodate up to 150,000 acre-feet per year of water. Existing extraction facilities pump and transfer water to the existing City of Bakersfield residents for municipal uses.

Supplemental information and documents related to this project are included in this section. The City of Bakersfield has adopted a STATEMENT OF WATER RESOURCES POLICY dated November 4, 1992, amended December 12, 2001, that the City Council of the City of Bakersfield desires to preserve, protect and promote the efficient use of water resources, including water quality, conservation, and flows in the Kern River channel.

The joint City of Bakersfield and County of Kern adopted KERN RIVER PLAN ELEMENT, July 1985 and updated November 1988, brings the multiple use concept of the Kern River through Bakersfield into focus with a long range plan to preserve the river, enhance the wildlife features, promote open space of the river and seek a long-term method to have water in the channel to the re-establishment of the live river through Bakersfield.

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4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd) *	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)
MUNICIPAL/DOMESTIC IN-STREAM +	v	v	1-Jan	31-Dec			
CONSTRUCTED WETLANDS IN-STREAM +	v	v	1-Jan	31-Dec			
FISH & WILDLIFE RESTORATION IN-STREAM +	v	v	1-Jan	31-Dec			
RECREATION IN-STREAM +	v	v	1-Jan	31-Dec			
WATER QUALITY IN-STREAM +	v	v	1-Jan	31-Dec			
IN-STREAM GROUNDWATER RECHARGE +	> up to 1000 cfs	> 90,000	1-Jan	31-Dec			
GROUNDWATER STORAGE	up to 250 cfs	15,000	1-Jan	31-Dec			
IRRIGATION	up to 200 cfs	10,000	1-Mar	31-Aug	10,000	1-Mar	31-Aug

* Rate is less than 0.025 cubic feet per second (cfs), use gallons per day, (gpd).

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5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD)

POD / PORD # 1 : Kern River tributary to Isabella Reservoir, Kern River below Isabella to San Joaquin River
thence Pacific Ocean

POD / PORD # 2 : Kern River tributary to Isabella Reservoir, Kern River below Isabella to San Joaquin River
thence Pacific Ocean

POD / PORD # 3 : Kern River tributary to San Joaquin River
thence Pacific Ocean

POD / PORD # 4 : Kern River tributary to San Joaquin River
thence Pacific Ocean

POD / PORD # 5 : Kern River tributary to San Joaquin River
thence Pacific Ocean

POD / PORD # 6 : Kern River tributary to San Joaquin River
thence Pacific Ocean

POD / PORD # 7 : Kern River tributary to San Joaquin River
thence Pacific Ocean

POD / PORD # 8 : Kern River tributary to San Joaquin River
thence Pacific Ocean

POD / PORD # 9 : Kern River tributary to San Joaquin River
thence Pacific Ocean

POD / PORD # 10 : Kern River tributary to San Joaquin River
thence Pacific Ocean

POD / PORD # 11 : Kern River tributary to San Joaquin River
thence Pacific Ocean

POD / PORD # 12 : Kern River tributary to San Joaquin River
thence Pacific Ocean

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5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

b. State Planar and Public Land Survey Coordinate Description

<u>Point of Diversion Name</u>	<u>Coordinate Distances from Section Corner</u>	<u>Point is Within</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Base and Meridian</u>	<u>Longitude</u>	<u>Latitude</u>
1. Kernville	2015' west & 1550' south of NE Cor. Sec. 15	SW ¼ of NW ¼	15	25S	33E	M.D.	118°25'23.30"W	35°45'22.518"N
2. Lake Isabella	1400' east & 200' north of SW Cor. Sec. 19	SE ¼ of SW ¼	19	26S	33E	M.D.	118°28'45.31"W	35°26'06.02"N
3. Lake Ming	2310'. west & 515' north of SE Cor. Sec. 33	SW ¼ of SE ¼	33	28S	29E	M.D.	118°51'29.67"W	35°26'36.03"N
4. Combined Turn-out BTP/CALM/HMP	2455' south & 2100 west of NE Cor. Sec. 5	SW ¼ of NE ¼	5	29S	29E	M.D.	118°53'04.99"W	35°26'06.02"N
5. Hart Park	856' east on sect line from SW Cor. Sec. 31	SW ¼ of SW ¼	31	28S	29E	M.D.	118°54'01.34"W	35°26'29.94"N
6. Beardsley Weir and Canal	3158' west & 630' south of NE Cor. Sec. 10	NE ¼ of NW ¼	10	29S	28E	M.D.	118°57'34.35"W	35°25'31.02"N
7. Rocky Point Weir & Carrier Canal	2500' east & 2050' north of SW Cor. Sec 9	NE ¼ of SW ¼	9	29S	28E	M.D.	118°58'32.23"W	35°25'04.03"N
8. Calloway Canal and River Weir	1700' west & 600' north of SE Cor. Sec. 13	SW ¼ of SE ¼	13	29S	27E	M.D.	119°01'32.71"W	35°23'57.33"N
9. Kern River Canal Weir	350' east & 1900' south of NW Cor. Sec.33	SW ¼ of NW ¼	33	29S	27E	M.D.	119°05'24.26"W	35°21'48.79"N
10. Bellevue Weir	478'west & 700' south of NE Cor. Sec. 1	NE ¼ of NE ¼	1	30S	26E	M.D.	119°07'42.47"W	35°21'09.35"N
11. 2800 Acres East	2025' north of SE Cor. of Sec. 3	NE ¼ of SE ¼	3	30S	26E	M.D.	119°09'43.81"W	35°20'45.72"N
12. McClung Weir	1000' west & 2750' north of NE Cor. Sec. 9	NE ¼ of SE ¼	9	30S	26E	M.D.	119°10'59.36"W	35°19'56.35"N

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6. WATER AVAILABILITY

a. Water Availability Analysis

See accompanying Petition to Revise the Declaration that the Kern River is Fully Appropriated, and supporting exhibits.

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7. PLACE OF USE

USE IS WITHIN ¹⁾	SECTION	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED (acres)	PRESENTLY CULTIVATED?
Kernville, Ca area	9,10, & 15	25S	33E	Mt. Diablo		No
Lake Ming	33	28S	29E	Mt. Diablo		No
Combined Turn-out	See footnote 2)	29S 29S	28E 29E	Mt. Diablo		No
Beardsley Weir & Canal	See footnote 3)			Mt. Diablo	5,000	Yes
Rocky Point Weir & Carrier Canal	Portions of sections 8, 9, 16, 17 & 18	29S	28E	Mt. Diablo		No
Calloway Weir	Portions of sections 13, 24, 26, 27, 33, & 34	29S	27E	Mt. Diablo		No
Kern River Canal Weir	Portions of sections 31 & 32	29S	27E	Mt. Diablo		No
Bellevue Weir	Portions of sections 1 & 2	30S	26E	Mt. Diablo		No
McClung Weir & "2800 Acres" – See footnote 4)	Portions of sections 3, 4, 8, 9, 10, 16, 17, 18, 19 & 20; & 23 & 24	30S 30S	26E 25E	Mt. Diablo		No

- 1) To be used anywhere within the incorporated boundaries of the City of Bakersfield through water treatment and distribution works, groundwater well production or groundwater recharge facilities.
- 2) Diversion serves over 20,000 households and businesses in urban Bakersfield area, generally 26 sections of T29S/R28E & 6 sections in T29E/R29E. Also serves major regional recreational facility and a zoo.
- 3) Historic, current and future irrigation deliveries to prime agricultural lands located over the groundwater basin in San Joaquin Valley.
- 4) A report entitled "2800 ACRES" LAND & WATER MANAGEMENT REPORT is included with this application to appropriate water. The report describes in detail, the City's property and land use policies as well as the actions the City has employed in operating the facility.

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SECTION B: MISCELLANEOUS DIVERSION INFORMATION**

5. EXISTING WATER RIGHTS AND RELATED FILINGS

b. Existing rights

NATURE OF RIGHT	YEAR OF FIRST USE	PURPOSE OF USE	SEASON OF USE	SOURCE	POINT OF DIVERSION
PRE-1914 APPROPRIATIONS	1870	IRRIGATION	ALL YEAR	KERN RIVER	NE ¼ of Section 2, T29S/R28E
GROUNDWATER	1961	MUNICIPAL	ALL YEAR	GROUNDWATER BASIN	WELLS IN CITY
BANKED GROUNDWATER	1995	MUNICIPAL	ALL YEAR	GROUNDWATER BANKING	WELLS IN SECTIONS 9 & 16, T30S/R26E

Attachment No. 8

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SECTION B: MISCELLANEOUS DIVERSION INFORMATION

7. MAP REQUIREMENTS

- A. Maps of location of each diversion points #1 through #12 as described Attachment No. 4.**
- B. Maps of place of use from each diversion points #1 through #12 as described in Attachment No.4.**

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SECTION C: ENVIRONMENTAL INFORMATION

3. ENVIRONMENTAL DOCUMENTS

Environmental documents included with application:

1. **2800-ACRE GROUNDWATER RECHARGE FACILITY FINAL ENVIRONMENTAL IMPACT REPORT** – February 1983
2. **FINAL ENVIRONMENTAL IMPACT REPORT for the KERN RIVER PARKWAY PLAN** – September 1988
3. **METROPOLITAN BAKERSFIELD HABITAT CONSERVATION PLAN AND FINAL ENVIRONMENTAL IMPACT REPORT** – August 1993
4. **CITY OF BAKERSFIELD METROPOLITAN BAKERSFIELD GENERAL PLAN UPDATE PROGRAM ENVIRONMENTAL IMPACT REPORT** (in disk format) – September 2002

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SECTION C: ENVIRONMENTAL INFORMATION

6. ENVIRONMENTAL SETTING

Three complete sets of color photographs as follows:

- 1.) An aerial photograph depicting the diversion points, photographs' location spot and general features of the area near the diversion points.**
- 2.) The Kern River stream channel immediately downstream from the proposed points of diversion #1 through #12 as described Attachment No. 4.**
- 3.) The Kern River stream channel immediately upstream of each proposed diversion points #1 through #12 as described in Attachment No.4.**
- 4.) The places where the Kern River water will be used .**