

TYPE OR PRINT
IN BLACK INK
(For instructions, see
booklet: "How to File an
Application to
Appropriate Water in
California")



California Environmental Protection Agency

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000, Sacramento, CA 95812-2000
Tel: (916) 341-5300 Fax: (916) 341-5400
www.waterboards.ca.gov/waterrights

STATE WATER RESOURCES
CONTROL BOARD
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DIV. OF WATER RIGHTS
SACRAMENTO

APPLICATION NO. 31850

**APPLICATION TO APPROPRIATE WATER
TEMPORARY URGENT**

1. APPLICANT/AGENT

	APPLICANT	ASSIGNED AGENT (if any)
Name	Dean & Deborah Wilson	Beta Engineering California LLP Brian Donald, Project Manager
Mailing Address	23320 Bell Bluff Truck Trail	9990 Mesa Rim Road, Suite 150
City, State & Zip	Alpine, CA 91901	San Diego, CA 92121
Telephone	(619) 295-9449	(858) 750-2370
Fax		(858) 750-2375
E-mail	axiomdevco@sbcglobal.net	Brian.Donald@BetaEngineering.com

2. OWNERSHIP INFORMATION (Please check type of ownership.)

- Sole Owner
- Limited Partnership*
- Corporation
- Limited Liability Company (LLC)
- Business Trust
- Joint Venture
- General Partnership*
- Husband/Wife Co-Ownership
- Other _____

*Please identify the names, addresses and phone numbers of all partners.

3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.) Add additional pages if needed and check box below and label as an attachment.

San Diego Gas and Electric Co. has been approved by the California Public Utilities Commission to construct a 500/230kV electrical substation on approximately 50 acres of a larger property owned by SDG&E adjacent to the property owned by Mr. & Mrs. Wilson (see attached location maps). The substation pad construction and a 2 mile access road to be upgraded over the Wilson and SDG&E property will require approximately 25 million gallons of water for compaction and dust control. Beta Engineering has determined that a maximum of about 10 million gallons of surface stormwater runoff can collect in the upper Wilson pond, and an unknown smaller amount estimated at about 5 million gallons can collect in the lower pond. Beta Engineering would like to use whatever amount of water is available in the two Wilson ponds for construction water (earthwork compaction and dust control). Winter rains may replenish the pond to the point that no additional construction water would be required. The pond water would be pumped via a temporary above ground pipe along the existing and proposed access road to the substation pad site. The alternative water source proposed at this time is to deliver construction water by tanker trucks in 7,000 gallon loads to the project site from as yet unidentified source points a minimum of 15 miles from the project site. Peak construction water demands of up to 500,000 gallons per day would create traffic and air pollution impacts that the use of the Wilson pond water would minimize, or in the best case scenario avoid completely.

Per
8/26/10
contact
report

- For continuation, see Attachment No. 1 Site Location Map
- 2 USGS Quad Map

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6. WATER AVAILABILITY

- a. Have you attached a water availability analysis for this project? YES NO
 If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation: If needed, attach additional pages, check box below and label attachment.
There are no public or private water system within 15 miles of the project site. The unappropriated Wilson pond is the only nearby available source.
 See Attachment No. _____
- b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board (State Water Board) during your proposed season of diversion?
 YES NO
- c. In an average year, does the stream dry up at any point downstream of your project? YES NO
 If YES, during which months? Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
- d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.) If needed, attach additional pages, check box below and label attachment
Trucking water from public water systems.
 See Attachment No. _____

7. PLACE OF USE

a.

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
NW 1/4 of SW 1/4	4	16S	3E	San Bernardino	N/A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SW 1/4 of NW 1/4	4	16S	3E	San Bernardino	N/A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total Acres:						

*Please indicate if section is projected with a "(P)" following the section number.

See Attachment No. 4 Please provide the Assessor's Parcel Number(s) for the place of use:
523-030-13 & 14

8. PROJECT SCHEDULE

Project is: proposed, partially complete or complete (Year completed - _____).

Extent of completion: Estimated Start Date is September 1, 2010 October 15, 2010

Estimated amount of time in years it will take for construction to be completed: Site Development Construction (Pad and Road Grading) is estimated to take 6 months (0.5 years). Substation complete 1.5 years

Estimated amount of time in years it will take for water to be put to full beneficial use: 0.5 years

see 8/26/10 contact report

9. JUSTIFICATION OF AMOUNTS REQUESTED

a. IRRIGATION: Maximum area to be irrigated in any one year: _____ acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-foot/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)

See Attachment No. _____

b. DOMESTIC: Number of residences to be served: _____ Separately owned?
 YES NO Number of people to be served: _____ Estimated daily use per person is:
 _____ gallons per day Area of domestic lawns and gardens: _____ square feet
 Incidental domestic uses:

_____ (dust control area, number and kind of domestic animals, etc.)

a. STOCKWATERING: Kind of stock: _____ Maximum number: _____
 Describe type of operation: _____
 (feedlot, dairy, range, etc.)

d. RECREATIONAL: Type of recreation: Fishing Swimming Boating Other _____

e. MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Present						

See Attachment No. _____

Month of maximum use during year: _____
 Month of minimum use during year: _____

f. HEAT CONTROL: Area to be heat controlled: _____ net acres
 Type of crops protected: _____
 Rate at which water is applied to use: _____ gpm per acre
 Heat protection season will begin _____ and end _____
 (month and day) (month and day)

g. FROST PROTECTION: Area to be frost protected: _____ net acres
 Type of crops protected: _____
 Rate at which water is applied to use: _____ gpm per acre
 The frost protection season will begin _____ and end _____
 (month & day) (month & day)

h. INDUSTRIAL: Type of industry: _____

Basis for determination of amount of water needed: _____

- i. MINING: Name of the claim: _____ Patented Unpatented
 Nature of the mine: _____ Mineral(s) to be mined: _____
 Type of milling or processing: _____
 After use, the water will be discharged into _____ (watercourse)
 in _____ 1/4 of _____ 1/4 of Section _____, T _____, R _____, _____ B. & M.
- j. POWER: Total head to be utilized: _____ feet
 Maximum flow through the penstock: _____ cfs Maximum theoretical horsepower capable of
 being generated by the works (cfs x fall ÷ 8.8): _____
 Electrical capacity (hp x 0.746 x efficiency): _____ kilowatts at: _____% efficiency
 After use, the water will be discharged into _____ (watercourse)
 in _____ 1/4 of _____ 1/4 of Section _____, T _____, R _____, _____ B&M. FERC No.: _____
- k. FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and
 habitat type that will be preserved or enhanced: _____
- l. OTHER: Describe use: Electrical Power Utility (SDG&E) Substation Site Grading and Access Road Construction
 Basis for determination of amount of water needed: 20 gallons/cubic yard x 1.2 million cubic yards = 24 mg

10. DIVERSION AND DISTRIBUTION METHOD

- a. Diversion will be by gravity by means of: _____
 (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: Existing Pond (See attached Exhibit)
 (sump, offset well, channel, reservoir, etc)
 Pump discharge rate: 200,000 cfs or gpd Horsepower: 200
 Pump Efficiency: _____

c. Conduit from diversion point to first lateral or to offshore storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	
Pipe	On grade HDPE (temp)	8" diameter	8,500 ft	200	+	200,000 gpd
Pipe	On grade HDPE (temp)	8" diameter	4,500 ft	200	+	200,000 gpd

See Attachment No. 3

d. Storage reservoirs: (For underground storage, complete and attach underground storage form)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)
<u>1 (upper)</u>	<u>24'</u>	<u>earthen</u>	<u>300'</u>	<u>4'</u>	<u>4.6 ac</u>	<u>43</u>	<u>20'</u>
<u>2 (lower)</u>	<u>25'</u>	<u>earthen</u>	<u>200'</u>	<u>2'</u>	<u>1.6 ac</u>	<u>18.4</u>	<u>18'</u>

See Attachment No. _____

8/26/10
counter
reps

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter in inches	Length in feet	Fall: Vertical distance between entrance and exit of outlet pipe in feet	Head: Vertical distance from spillway to entrance of outlet pipe in feet	Dead Storage: Storage below entrance of outlet pipe in acre-feet

See Attachment No. ____

e. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be _____ cfs. Diversion to offstream storage will be made by:
 Pumping Gravity

11. CONSERVATION AND MONITORING

a. What methods will you use to conserve water? Explain.
 Use of seasonal surface runoff collected in an existing pond that would otherwise evaporate will save water that would otherwise be obtained from a public water system.

b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water? Weir Meter Periodic sampling Other (describe)
 Required amount of water for grading compaction will be very closely watched, measured and dictated by project Geotechnical Engineer

12. RIGHT OF ACCESS

a. Does the applicant own all the land where the water will be diverted, transported and used?
 YES NO (Applicant owns all of the land where water will be diverted to.)
 If NO, I do do not have a recorded easement or written authorization allowing me access.

b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access:
 San Diego Gas and Electric Co will have an easement for access road and temporary construction rights over portion of applicant's property known as Bell Bluff Truck Trail. SDG&E property is adjacent to applicant's.

See Attachment No. 4

13. EXISTING WATER RIGHTS AND RELATED FILINGS

a. Do you claim an existing right for the use of all or part of the water sought by this application?
 YES NO
 If YES, please specify: Riparian Pre-1914 Registration Permit License
 Percolating groundwater Adjudicated Other (specify) _____

b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of water diversion and use, if applicable.

See Attachment No. ____

c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion.

None

See Attachment No. ____

14. OTHER SOURCES OF WATER

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project? Yes No If yes, please explain: The applicant does not. Additional water may have to be obtained or purchased to supplement the water requested for temporary use by this permit application.

15. MAP REQUIREMENTS

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the quarter/quarter, section, township, range, and meridian of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cubic feet per second by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1,000 acre-feet per annum by underground storage. See the instruction booklet for more information.

See Attachment No. 2

ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the State Water Board is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

16. COUNTY PERMITS

a. Contact your county planning or public works department and provide the following information:

Person contacted: S. Robles Date of contact: 08/03/2010
Department: Planning and Land Use Telephone: (858) 565-5981
County Zoning Designation: A72

Are any county permits required for your project? YES NO If YES, check appropriate box below:

- Grading permit Use permit Watercourse Obstruction permit Change of zoning
- General plan change Other (explain):

The applicant will not be obtaining any County permits however, SDG&E will be required to obtain an emergency generator Authority for Construction and Permit to Operation (SD APCD) and a Hazardous Material Business Plan (SD DEH) for the Substation Construction

b. Have you obtained any of the required permits described above? YES NO

If YES, provide a complete copy of each permit obtained. N/A

See Attachment No. ____

17. STATE/FEDERAL PERMITS AND REQUIREMENTS

- a. Check any additional state or federal permits required for your project:
 Federal Energy Regulatory Commission U.S. Forest Service U.S. Bureau of Land Management U.S. Corps of Engineers U.S. Natural Res. Conservation Service Calif. Dept. of Fish and Game State Lands Commission Calif. Dept. of Water Resources (Div. of Safety of Dams) Calif. Coastal Commission State Reclamation Board Other (specify)
 The Calif. Public Utility Commission is the lead agency for construction approval.

(See <http://www.cpuc.ca.gov/environment/info/aspen/sunrise/sunrise/htm>)

- b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.
CPUC	CPCN	Billie Blanchard	Decembe14, 2005	(415) 703-2068

See Attachment No. ____

- c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake? YES NO
 If YES, explain:

The access road construction will require the development of a crossing over Peterson Creek. SDG&E will obtain a Section 1600 streambed alteration agreement with the California Department of Fish and Game.

See Attachment No. ____

- b. Have you contacted the California Department of Fish and Game concerning your project?
 YES NO If YES, name, telephone number and date of contact:

Erinn Wilson - (714) 968-0953 - 08/09/2010

18. ENVIRONMENTAL DOCUMENT

- a. Has any California public agency prepared an environmental document for your project?
 YES NO
- b. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency:
CPUC - See Reference to EIR Website in Section 17a above
- c. If NO, check the appropriate box and explain below, if necessary:
 The applicant is a California public agency and will be preparing the environmental document.*
 I expect that the State Water Board will be preparing the environmental document.**
 I expect that a California public agency other than the State Water Board will be preparing the environmental document.* Public agency: _____
 See Attachment No. ____

* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the State Water Board, Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.

** Note: CEQA requires that the State Water Board, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the State Water Board, Division of Water Rights.

19. WASTE/WASTEWATER

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation? YES NO

If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):

See CPUC approval and referenced EIR. A Hazardous Material Business Plan (SD DEH) will be obtained (See Section 16 above)

See Attachment No. ____

- b. Will a waste discharge permit be required for your project? YES NO

Person contacted: _____ Date of contact: _____

- c. What method of treatment and disposal will be used? SWPPP prepared for this project. NOI submitted to State Regional Water Quality Control Board and WDID # 937C357500 assigned.

See Attachment No. ____

20. ARCHEOLOGY

- a. Have any archeological reports been prepared on this project? YES NO
 b. Will you be preparing an archeological report to satisfy another public agency? YES NO
 c. Do you know of any archeological or historic sites located within the general project area?

YES NO If YES, explain:

The applicant will not be preparing any archeological reports. However, SDG&E will be preparing additional archeological reports related to the substation construction. There are two prehistoric cultural resource sites within the area that will be graded as part of the substation construction. These sites are being evaluated for eligibility to the National Register of Historic Places. The results of the ongoing evaluation and a finding for eligibility will be submitted to the BLM and CPUC.

See Attachment No. ____

21. ENVIRONMENTAL SETTING

Attach **two complete sets of color photographs**, clearly dated and labeled, showing the vegetation that exists at the following three locations:

- Along the stream channel immediately downstream from the proposed point(s) of diversion.
 Along the stream channel immediately upstream from the proposed point(s) of diversion.
 At the place(s) where the water is to be used.

See Attachment No. 5 See Attached Biological Assessment Report prepared by Chambers Group dated 08/20/2010
6 Spill Prevention, Controls and Containment Plan dated August 10, 2010

SUBMITTAL FEES

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website (www.waterrights.ca.gov).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

